# CKSD/ KRL 900 BUILDING RENOVATION

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

360-377-8773 RFMARCH.COM

> REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

> > RENOVATION

SD/

CKSD/ BUILDING

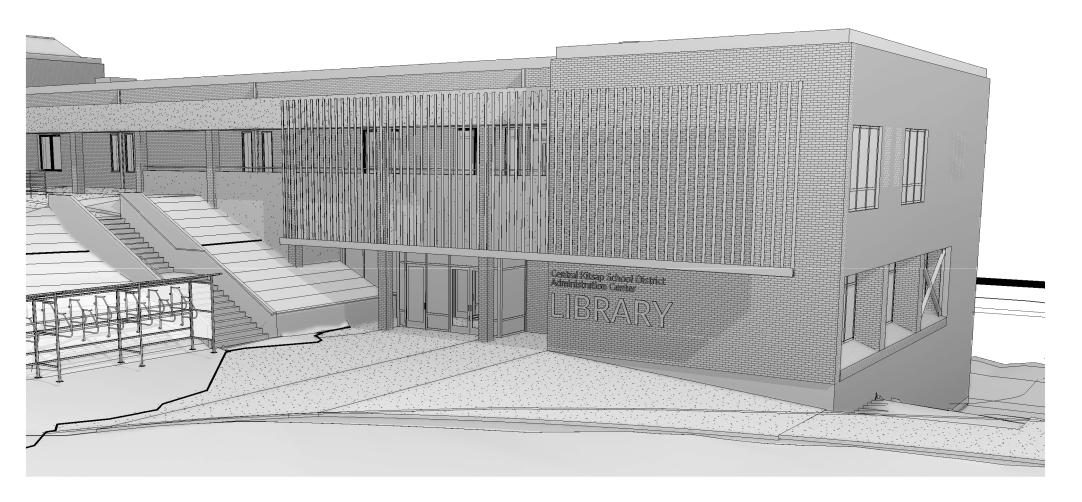
900

**Reviewed for Code Compliance Kitsap County Building/ Fire Marshals** 06/23/20203:19:42 PM kwlodarchak

**Subject to Field Inspection** 

Fire Alarm System Required **Under Separate Permit** 

Fire Sprinkler System **Required Under Separate Permit** 



SHEET#

GENERAL

# OWNER: CENTRAL KITSAP SCHOOL DISTRICT 9210 SILVERDALE WAY NW / PO BOX 8

SILVERDALE, WA 98383 PH: (360) 662-1709 CONTACT: MARK VAIL

# PH: (360) 509-0507 EMAIL: MARKVA@CKSCHOOL.ORG

ARCHITECT:
RICE FERGUS MILLER, INC. 275 5TH STREET SUITE 100 BREMERTON, WA 98337 PH: (360) 377-8773 FX: (360) 792-1385

CONTACT: MIKE WRIGHT PH: (360) 362-1864 EMAIL: MWRIGHT@RFMARCH.COM

2215 NORTH 30TH STREET SUITE 300 TACOMA, WA 98403-3350 PH: (253) 383-2422

CONTACT: LISA KLEIN PH: (253) 284-0256 EMAIL: LKLEIN@AHBL.COM

# STRUCTURAL ENGINEERING: REID MIDDLETON

728 5TH STREET, SUITE 100 EVERETT, WA 98204 PH: (425) 741-3800

CONTACT: SETH STAPLETON PH: (206) 948-5572 EMAIL: SSTAPLETON@REIDMIDDLETON.COM

# MEP ENGINEERING: SIDER + BYERS

192 NICKERSON STREET, SUITE 300 SEATTLE, WA 98109 PH: (206) 285-2966

MECHANICAL CONTACT: NATHAN BYERS EMAIL: NATHAN@SIDERBYERS.COM

ELECTRICAL CONTACT: GEORGINNA LUCAS EMAIL: GEORGINNA@SIDERBYERS.COM

Added page D21.14

# PROJECT TEAM

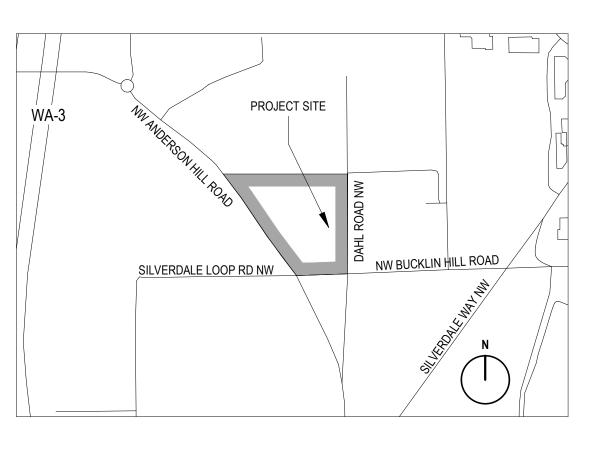
REUSE OF THE EXISTING 900 WING BUILDING TO THE CENTRAL KITSAP HIGH SCHOOL FOR THE SILVERDALE BRANCH OF KITSAP REGIONAL LIBRARY AND ADMINISTRATIVE OFFICES FOR CENTRAL KITSAP SCHOOL DISTRICT. THE SCOPE OF WORK INCLUDES SELECTIVE INTERIOR AND EXTERIOR MODIFICATIONS TO THE EXISTING BUILDING. ARCHITECTURAL DEMOLITION WORK WILL INCLUDE REMOVAL OF EXISTING NON STRUCTURAL INTERIOR WALLS, CEILINGS, FLOORING AND OTHER FINISHES AS SHOWN. MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL INCLUDE UPDATES TO ALL SYSTEMS TO CURRENT CODE REQUIREMENTS OF SPECIFIC USES.

BASE BID TO INCLUDE DEMOLITION OF EXISTING TILT-UP GYMNASIUM. ALTERNATE TO KEEP STRUCTURE TO INCLUDE THE FOLLOWING UNDER THIS PERMIT:

- STRUCTURAL REINFORCING OF EXISTING PARTY WALL(S) TO ADDRESS INSUFFICIENT SEISMIC JOINT SEPERATION • ENLARGEMENT OF FIRE APPARATUS TURNAROUND AT NORTH END OF BUILDING
- NEW HVAC SYSTEM TO SERVE GYMNASIUM SPACES

PLUMBING FIXTURE COUNT TO BE EVALUATED AT FUTURE DATE WHEN USE OF GYMNASIUM IS

# PROJECT DESCRIPTION



VICINITY MAP NOT TO SCALE

SHEET NAME

CIVIL AND LANDSCAPE SUBMITTED UNDER SEPERATE SDAP PERMIT

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Added page A34.01 Wall sections A35.01 Exterior details A35.02 Exterior details A40.02 Elevator plans, section & details A50.02 Window and door details A50.03 Storefront and relite details

# PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

**COVER SHEET AND GENERAL PROJECT** INFORMATION

SHEET#

Permit Number: 19-05911

# GENERAL NOTES - SITE PLAN

- 1. SEE CIVIL AND LANDSCAPE DRAWINGS FOR CLEAR SCOPE OF SITE
  - 2. SEE CIVIL DRAWINGS FOR SITE GRADING, SITE IMPROVEMENTS, CONCRETE STEM WALLS AND DETAILS.
  - 3. SEE CIVIL DRAWINGS FOR EXTENT OF PAVEMENT CUTTING AND
  - PATCHING. 4. SEE CIVIL FOR PAVING DIMENSIONS AND DETAILS.5. SEE LANDSCAPE DRAWINGS FOR PLANTING AND SPRINKLER

  - INFORMATION.
    6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CONNECTIONS TO EXISTING UTILITIES.

**KEY NOTES - DEMOLITION SITE PLAN** 

1 DEMOLISH EXISTING TILT-UP GYMNASIUM IN BASE BID (REMAIN IN

2 DEMOLISH EXISTING COVERED WALKWAY AND SUPPORT COLUMNS, ROOF AREA SHOWN SHADED IN PLANS

6 EXISTING PORTABLE CLASSROOM, STAIRS, RAMPS, AND EXTERIOR WALKWAYS, FOR USE BY CONTRACTOR DURING CONSTRUCTION
TO BE RELOCATED PER DISTRICT INSTRUCTIONS AT END OF

7 SEE AHBL DRAWINGS FOR REMOVAL REMOVAL OF PARKING

8 SEE AHBL DRAWINGS REGARDING RETAINED FLAGPOLE, REMOVED CURB AND LANDSCAPING REQUIRED FOR NEW LANDSCAPING AND PARKING LIGHT POLE TO REMAIN

15 POSSIBLE TIME CAPSULE LOCATED IN AREA UNDERNEATH BENCH,

COORDINATE WITH DISTRICT ON WHETHER PREVIOUS DEMOLITION

4 DEMOLISH RETAINING WALLS, STEPS AND ASSOCIATED LANDSCAPE, SEE CIVIL DRAWINGS FOR EXTENT

ALTERNATE 1)

3 DEMOLISH EXSTING CONCRETE WALKWAY

9 DEMOLISH METAL WORK BETWEEN COLUMNS

10 CONCRETE GUARDRAIL TO REMAIN

WORK HAS UNCOVERED IT 16 STEEL TUBE HANDRAIL TO REMAIN

STEEL TUBE HANDRAIL TO REMAIN STEEL TUBE HANDRAIL TO REMAIN

5 DEMOLISH SKYLIGHT IN ROOF

CONSTRUCTION

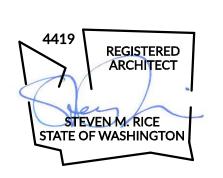
11 DEMO EXISTING TREE 14 DEMO ROOF FOR SKYLIGHTS

NOTE DESCRIPTION

- 7. SEE ARCHITECTURAL DEMOLITION PLAN FOR ADDITIONAL SITE
- DEMOLITION INFORMATION.
  8. SEE STRUCTURAL DRAWINGS FOR CONCRETE RETAINING WALL

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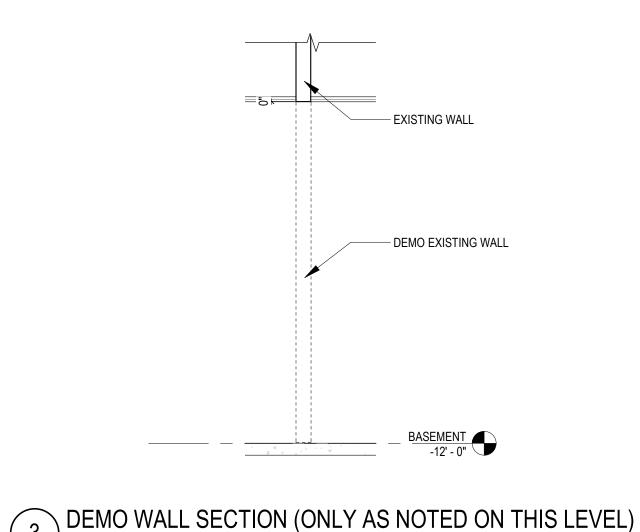
# RENOVATION SD/ CKSD/ 900 BUILDING

PROJECT#	2	018048.03
PE	RMIT SET	
SSUE DATE	DECEMBE	R 24, 2019
REVIS	SION SCHEDULE	

DEMO SITE PLAN

SHEET#

D10.01



GENERAL NOTES - DEMO PLAN

1. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED HERE.

2. CONTRACTOR TO PROTECT CONSTRUCTION THAT IS NOT INTENDED TO BE REMOVED AND

MAINTAIN IN GOOD CONDITION.

3. CONTRACTOR TO MAINTAIN FLOORING TO REMAIN. 4. CONTRACTOR TO REMOVE ALL EXIT SIGNS AND COORDINATE SALVAGE WITH OWNER.

5. CONTRACTOR TO PROTECT ELEMENTS OF THE FIRE ALARM AND SUPPRESSION SYSTEMS DURING ALL PHASES OF CONSTRUCTION AND MODIFY BASED ON NEW CONSTRUCTION. 6. SEE STRUCTURAL DRAWINGS FOR AREAS OF FLOOR TO BE REMOVED FOR NEW SHEAR WALLS. 7. REMOVE WALL BASE FROM ALL AREAS THAT RECEIVE NEW FLOORING.

8. CONTRACTOR TO REMOVE ALL FIRE EXTINGUISHER CABINETS WITHIN AREAS OF WORK AND SALVAGE FOR REUSE. 9. CONTRACTOR TO REMOVE ALL SCHOOL EQUIPMENT INCLUDING CHALK, WHITE AND TACK

BOARDS AND COORDINATE SALVAGE WITH OWNER. 10. CONTRACTOR TO SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS FOR OTHER WORK TO BE REMOVED.

11. REMOVE BLINDS AT ALL EXTERIOR WINDOWS WITHIN AREAS OF WORK. 12. COORDINATE DEMOLITION WORK WITH ABATEMENT DRAWINGS.

LEGEND - DEMO PLAN LEGEND



REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

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ALTERNATE 1 SCOPE BOX E290 E275 OPEN TO BELOW

E260 E245 ELEV **€220** E205

(S40)

(S30)

LEVEL 3 - DEMOLITION FLOOR PLAN

(S60)

(S50)

(S70)

BASEMENT - DEMOLITION FLOOR PLAN

(S0)

(S5)

(S10)

**KEY NOTES - DEMO FLOOR PLAN** NOTE DESCRIPTION REMOVE WALL IN ITS ENTIRETY INCLUDING DOORS, FRAMES, ETC REMOVE DARK ROOM AND ALL EQUIPMENT. COORDINATE SALVAGE WITH OWNER REMOVE REVOLVING DARK ROOM DOOR IN ITS ENTIRETY AND COORDINATE SALVAGE WITH 4 REMOVE RESTROOM PLUMBING FIXTURES 5 REMOVE TOILET ACCESSORIES INCLUDING GRAB BARS, MIRRORS AND TOILET PAPER DISPENSERS. SALVAGE FOR REUSE 6 REMOVE TILE FINISH FROM FLOOR AND WALLS REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY REMOVE WALK IN FREEZER IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER REMOVE WALK IN COOLER AND COORDINATE SALVAGE WITH OWNER 10 REMOVE VINYL FLOORING AND RUBBER BASE ON STAIRS AND LANDING REMOVE WALL SECTION FOR INSTALLATION OF NEW OPENING. SEE FLOOR PLAN FOR LOCATIONS AND STRUCTURAL FOR DETAILS PRIOR TO REMOVAL REMOVE FLOORING AND WALL BASE 15 REMOVE KITCHEN TILE FROM FLOORS AND WALLS IN ALL ROOMS WHERE EXISTS. DECOMISSION DRAIN. 16 REMOVE CABINETS, PLUMBING FIXTURES AND REMAINING KITCHEN EQUIPMENT AND COORDINATE SALVAGE WITH OWNER 17 REMOVE VINYL WALL TILE 18 REMOVE GYPSUM BOARD AND FRAMED SOFFIT 19 REMOVE PLASTER CEILING IN ITS ENTIRETY 20 REMOVE TOILET PARTITIONS REMOVE ACT CEILING IN ITS ENTIRETY INCLUDING LIGHT FIXTURES AND SUSPENSION 22 REMOVE COLUMN. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL. REFER TO A21.12 FOR NEW COLUMN AND BEAM LOCATION. 23 REMOVE RADIATOR AND CABINET 24 REMOVE HANDRAIL 25 REMOVE FLOOR FOR NEW ELEVATOR. SEE FLOOR PLANS FOR DIMENSIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION 26 REMOVE FLOOR IN PREPARATION FOR NEW COLUMN. AND FOOTING. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL D21.01 27 ELEVATOR PIT ABOVE - COORDINATE WITH STRUCTURAL 28 SAW CUT AND REMOVE CONCRETE SLAB ON GRADE FOR NEW SHEAR WALL AND FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS 29 DEMO AND REINSTALL BRICK WHERE BRACED FRAME OCCURS 31 FLOORING TO REMAIN, UNO 32 REMOVE WINDOW AND FRAME 33 REMOVE DOWNSPOUT REMOVE UPPER PART OF RAMP IN ORDER TO CREATE NEW RAMP AND LANDING SURFACE 35 CAP AND PROTECT EXISTING PLUMBING FOR POSSIBLE REUSE 36 REMOVE WALL HUNG DRINKING FOUNTAIN 37 REMOVE ROOF ACCCESS LADDER 38 DEMOLISH SINK, DECOMMISION DRAIN 39 REMOVE SURFACE MOUNTED LIGHT FIXTURES, SEE ELECT FOR NEW FIXTURES 40 E0

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RENOVATION SD/ **CKSD** BUILDING ANDI RDAL 3700 NW A 900

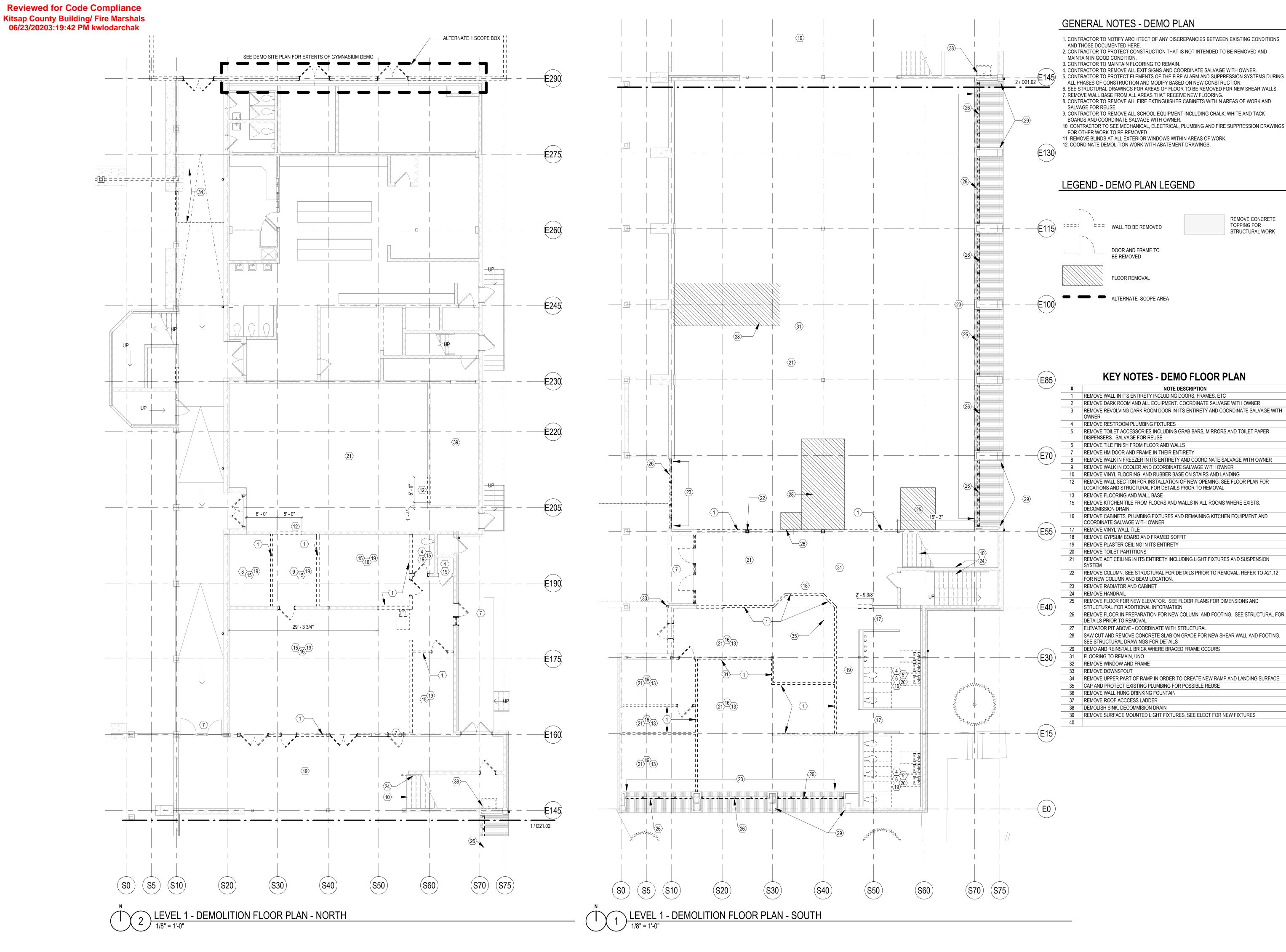
PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

DEMO FLOOR PLAN -**BASEMENT AND** LEVEL 3

SHEET#

(S20)

(S30)



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> REGISTERED ARCHITECT

STEVEN M. RICE STATE OF WASHINGTON

RENOVATION **CKSD** BUILDING

900

3700 NW SILVEI

PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

DEMO FLOOR PLAN -LEVEL 1

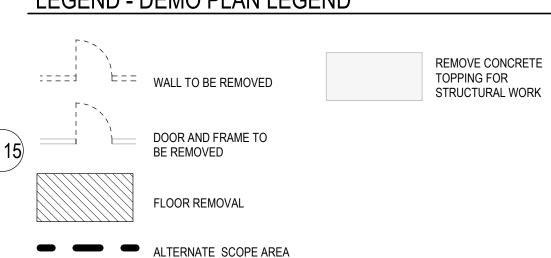
# GENERAL NOTES - DEMO PLAN

- 1. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED HERE.
- 2. CONTRACTOR TO PROTECT CONSTRUCTION THAT IS NOT INTENDED TO BE REMOVED AND
- MAINTAIN IN GOOD CONDITION.
- 3. CONTRACTOR TO MAINTAIN FLOORING TO REMAIN. 4. CONTRACTOR TO REMOVE ALL EXIT SIGNS AND COORDINATE SALVAGE WITH OWNER.
- 5. CONTRACTOR TO PROTECT ELEMENTS OF THE FIRE ALARM AND SUPPRESSION SYSTEMS DURING ALL PHASES OF CONSTRUCTION AND MODIFY BASED ON NEW CONSTRUCTION.

6. SEE STRUCTURAL DRAWINGS FOR AREAS OF FLOOR TO BE REMOVED FOR NEW SHEAR WALLS.

- 7. REMOVE WALL BASE FROM ALL AREAS THAT RECEIVE NEW FLOORING. 8. CONTRACTOR TO REMOVE ALL FIRE EXTINGUISHER CABINETS WITHIN AREAS OF WORK AND
- 9. CONTRACTOR TO REMOVE ALL SCHOOL EQUIPMENT INCLUDING CHALK, WHITE AND TACK
- BOARDS AND COORDINATE SALVAGE WITH OWNER. 10. CONTRACTOR TO SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS
- FOR OTHER WORK TO BE REMOVED. 11. REMOVE BLINDS AT ALL EXTERIOR WINDOWS WITHIN AREAS OF WORK.
- 12. COORDINATE DEMOLITION WORK WITH ABATEMENT DRAWINGS.

# LEGEND - DEMO PLAN LEGEND



# REGISTERED ARCHITECT STEVEN M. RICE

STATE OF WASHINGTON

ARCHITECTURE INTERIORS PLANNING VIZLAB

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# **KEY NOTES - DEMO FLOOR PLAN**

REMOVE WALL IN ITS ENTIRETY INCLUDING DOORS, FRAMES, ETC

NOTE DESCRIPTION

2	REMOVE DARK ROOM AND ALL EQUIPMENT. COORDINATE SALVAGE WITH OWNER
3	REMOVE REVOLVING DARK ROOM DOOR IN ITS ENTIRETY AND COORDINATE SALVAGE WITHOWNER
4	REMOVE RESTROOM PLUMBING FIXTURES
5	REMOVE TOILET ACCESSORIES INCLUDING GRAB BARS, MIRRORS AND TOILET PAPER DISPENSERS. SALVAGE FOR REUSE
6	REMOVE TILE FINISH FROM FLOOR AND WALLS
7	REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY
8	REMOVE WALK IN FREEZER IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER
9	REMOVE WALK IN COOLER AND COORDINATE SALVAGE WITH OWNER
10	REMOVE VINYL FLOORING AND RUBBER BASE ON STAIRS AND LANDING
12	REMOVE WALL SECTION FOR INSTALLATION OF NEW OPENING. SEE FLOOR PLAN FOR LOCATIONS AND STRUCTURAL FOR DETAILS PRIOR TO REMOVAL
13	REMOVE FLOORING AND WALL BASE
15	REMOVE KITCHEN TILE FROM FLOORS AND WALLS IN ALL ROOMS WHERE EXISTS. DECOMISSION DRAIN.

- 16 REMOVE CABINETS, PLUMBING FIXTURES AND REMAINING KITCHEN EQUIPMENT AND COORDINATE SALVAGE WITH OWNER 17 REMOVE VINYL WALL TILE
- 18 REMOVE GYPSUM BOARD AND FRAMED SOFFIT 19 REMOVE PLASTER CEILING IN ITS ENTIRETY 20 REMOVE TOILET PARTITIONS
- REMOVE ACT CEILING IN ITS ENTIRETY INCLUDING LIGHT FIXTURES AND SUSPENSION
- 22 REMOVE COLUMN. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL. REFER TO A21.12 FOR NEW COLUMN AND BEAM LOCATION. 23 REMOVE RADIATOR AND CABINET
- 24 REMOVE HANDRAIL 25 REMOVE FLOOR FOR NEW ELEVATOR. SEE FLOOR PLANS FOR DIMENSIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION 26 REMOVE FLOOR IN PREPARATION FOR NEW COLUMN. AND FOOTING. SEE STRUCTURAL FOR
- DETAILS PRIOR TO REMOVAL 27 ELEVATOR PIT ABOVE - COORDINATE WITH STRUCTURAL
- 28 SAW CUT AND REMOVE CONCRETE SLAB ON GRADE FOR NEW SHEAR WALL AND FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS
- 29 DEMO AND REINSTALL BRICK WHERE BRACED FRAME OCCURS
- 31 FLOORING TO REMAIN, UNO 32 REMOVE WINDOW AND FRAME
- 33 REMOVE DOWNSPOUT REMOVE UPPER PART OF RAMP IN ORDER TO CREATE NEW RAMP AND LANDING SURFACE 35 CAP AND PROTECT EXISTING PLUMBING FOR POSSIBLE REUSE
- 36 REMOVE WALL HUNG DRINKING FOUNTAIN 37 REMOVE ROOF ACCCESS LADDER

**E15** 

(E0)

38 DEMOLISH SINK, DECOMMISION DRAIN 39 REMOVE SURFACE MOUNTED LIGHT FIXTURES, SEE ELECT FOR NEW FIXTURES 40

PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

**CKSD** BUILDING

900

3700 NW SILVE

DEMO FLOOR PLAN -LEVEL 2

SHEET#

Permit Number: 19-05911

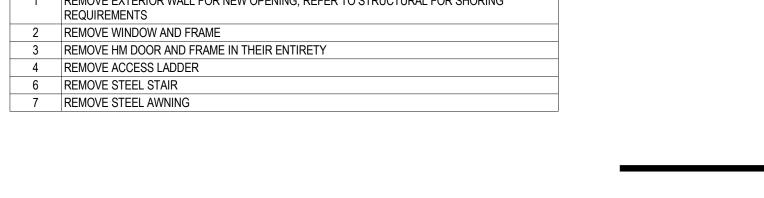
1. GENERAL EXTERIOR ELEVATION NOTES HERE

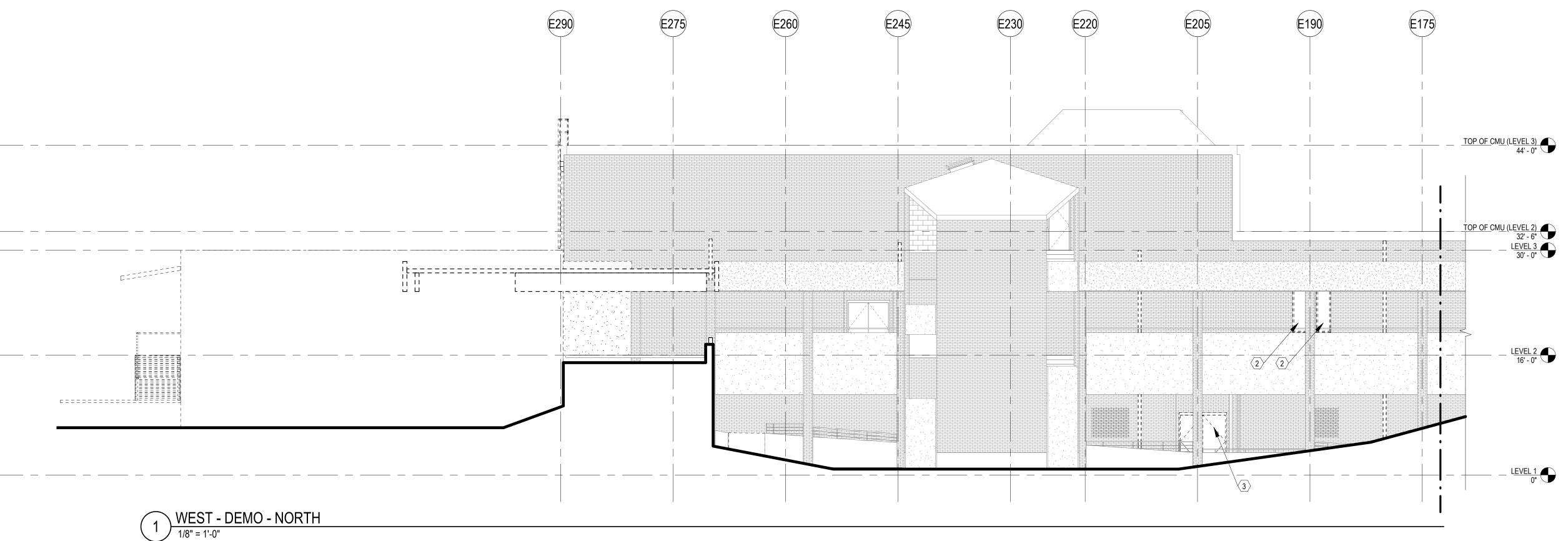
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REGISTERED ARCHITECT

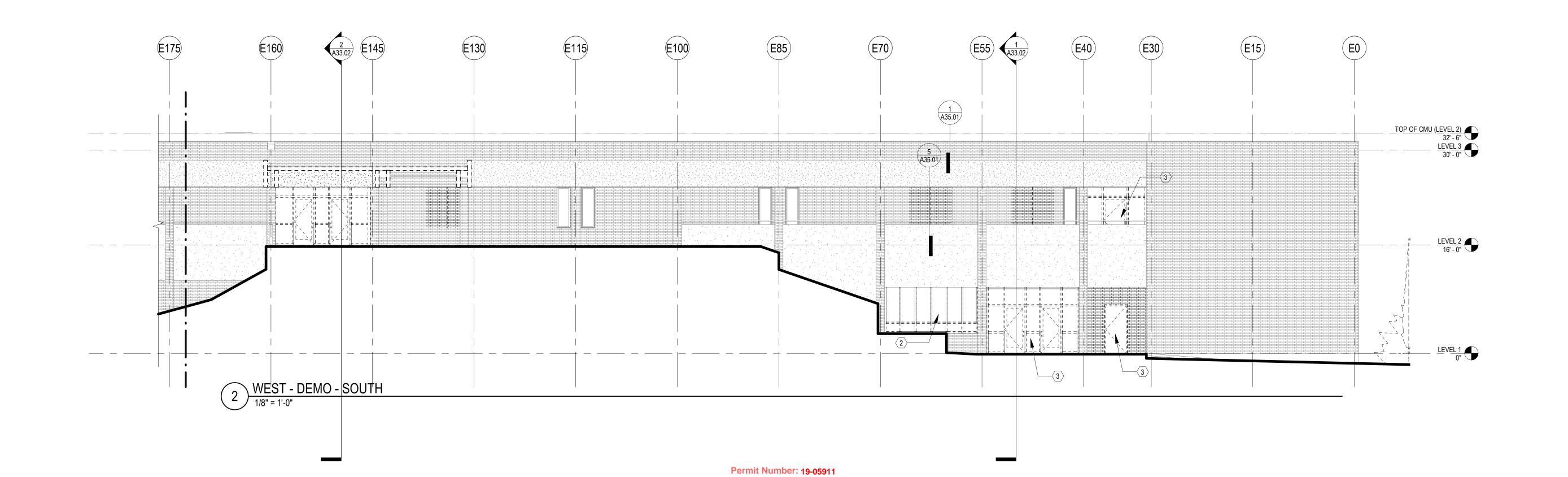
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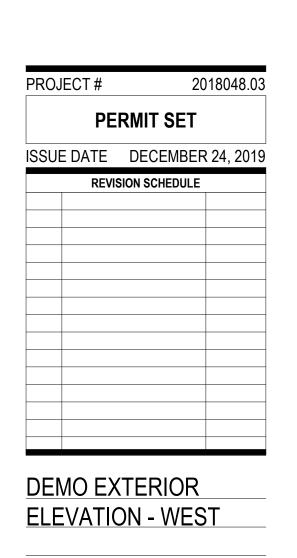
<b>KEY NOTES - DEMO EXTERIOR ELEVATION</b>			
#	NOTE DESCRIPTION		
1	REMOVE EXTERIOR WALL FOR NEW OPENING, REFER TO STRUCTURAL FOR SHORING REQUIREMENTS		
2	REMOVE WINDOW AND FRAME		
3	REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY		
4	REMOVE ACCESS LADDER		
6	REMOVE STEEL STAIR		
-	DEMONIE OTEEL ANAMINIO		







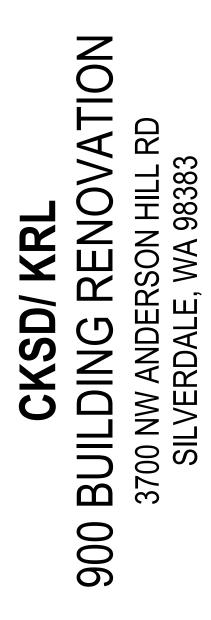


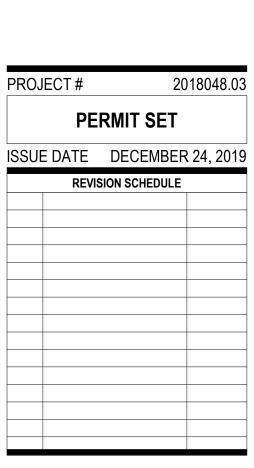


SHEET# D31.01

REGISTERED ARCHITECT

STEVEN M. RICE STATE OF WASHINGTON





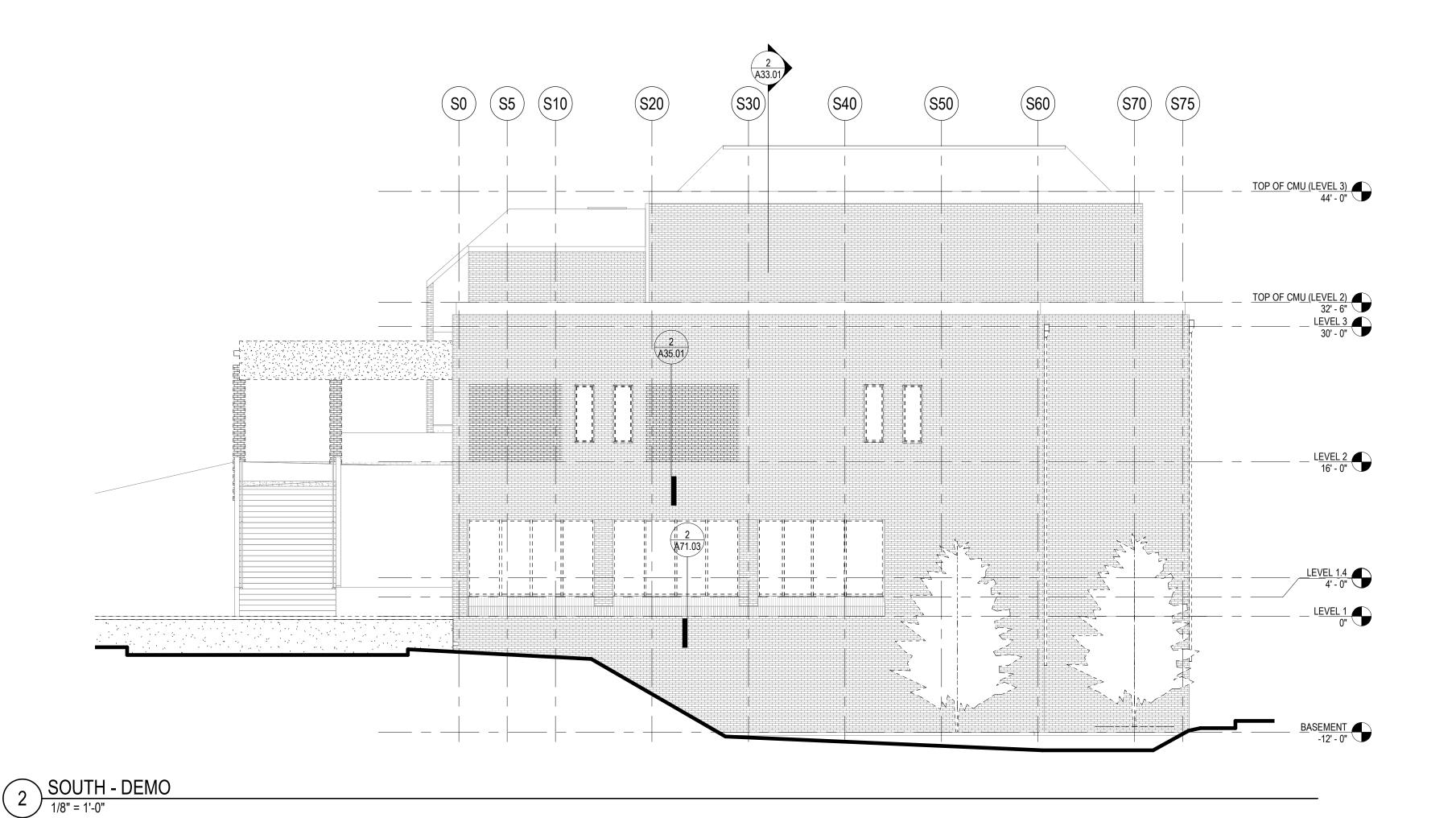
DEMO EXTERIOR ELEVATION - EAST

SHEET# D31.02



Permit Number: 19-05911

NORTH - DEMO



GENERAL NOTES - DEMO EXTERIOR ELEVATION

1. GENERAL EXTERIOR ELEVATION NOTES HERE

ARCHITECTURE INTERIORS PLANNING VIZLAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



**KEY NOTES - DEMO EXTERIOR ELEVATION** 

NOTE DESCRIPTION

REMOVE EXTERIOR WALL FOR NEW OPENING, REFER TO STRUCTURAL FOR SHORING REQUIREMENTS

- 2 REMOVE WINDOW AND FRAME 3 REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY
  4 REMOVE ACCESS LADDER
- 6 REMOVE STEEL STAIR

7 REMOVE STEEL AWNING

# RENOVATION KSD/ KRL CKSD/ 900 BUILDING F

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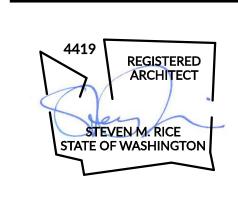
DEMO EXTERIOR **ELEVATION - NORTH** AND SOUTH

SHEET#

D31.03

ARCHITECTURE INTERIORS PLANNING VIZLAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773

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EXTERIOR ELEVATION TAG

INTERIOR ELEVATION TAG

EXTERIOR SECTION TAG

WALL / STAIR SECTION

**ENLARGED DETAIL REFERENCE** 

WALL / PARTITION TYPE

TAG

WINDOW TAG

DOOR TAG

FINISH TAG

**KEYNOTE TAG** 

TRANSITION LINE

STOREFRONT TAG

FURNITURE/EQUIPMENT TAG

NON-TYPICAL WALL FINISH

LOCATION (FLOOR PLAN)

FLOOR FINISH TRANSITION

ROOM TAG W/ TYPICAL

ROOM TAG W/ TYPICAL

(REFLECTED CEILING

CEILING FINISH

PLAN)

DATUM TAG

SPOT ELEVATION

GRID LINE

SLOPE ARROW

NORTH ARROW

MATCH LINE

REVISION TAG AND CLOUD

FINISHES (FLOOR

PLAN)

CEILING TAG

(FLOOR PLAN)

DETAIL SECTION TAG

AX.XX

\AX.XX

AX.XX

\_\_\_\_\_

AX.XX

@##@

S#

(###)

FINISH 1 FINISH 2

**ROOM NAME** 

###

WALL

BASE

FLOOR

**CEILING TYPE** 

(HEIGHT)

**ROOM NAME** 

CEILING

RISE / RUN

SYMBOL LEGEND

ELEVATION

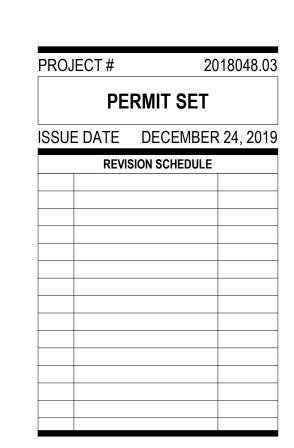
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NAIVIL ELEVATION

# /ATION - RD

900 BUILDING RENOVATION

RD/



SYMBOL AND ABBREVIATION

SHEET#

A00.02

STOR

STORAGE

NOT TO SCALE

NTS

FIBER REINFORCED PLASTIC

ABBREVIATION LIST

# ZONING CODE SUMMARY

ZONING CODE SUMMARY				
CRITERIA	REQUIRED	PROVIDED		
NEIGHBORHOOD	SILVERDALE			
ZONING	URBAN HIGH RESIDENTIAL			
ZONING OVERLAY	NONE			
LAND USE	URBAN HIGH RESIDENTIAL (UH)	250 GENERAL OFFICE > 10,000 SF AND 316 LIBRARY BOTH REQUIRE ACUP		
AVERAGE LOT SIZE	EXISTING	EXISTING TO REMAIN		
SETBACK	EXISTING MINIMUM 20'	NO CHANGE TO EXISTING SETBACKS		
DWELLING UNITS _	<b>0</b>			
PARKING	108 SPACES INCLUDING ACCESSIBLE	110 SPACES INCLUDING ACCESSIBLE		
BUILDING SEPARATION	EXISTING	NO CHANGE		
OPEN SPACE	MIN 20%	INCREASE FROM EXISTING		
LOT COVERAGE	MAX 85%	REDUCES FROM EXISTING		
IMPERVIOUS	MAX 85% 38 ACRES = 1,653,047 SF X 65% = 1,074,481 SF	SEE SHEET A10.01 FOR FINISHED GRADE		
BUILDING HEIGHT	MAX 55 FT ABOVE FINISHED GRADE PER RMC 21.16.020	NO CHANGE SEE SHEET A10.01 FOR FINISHED GRADE		
CONSTRUCTION TYPE (IBC)	EXISTING TYPE III B	NO CHANGE		

# **BUILDING CODE SUMMARY**

**CHAPTER 2 DEFINITIONS** 

A REFERENCE PLANE REPRESENTING THE AVERAGE OF FINISHED GROUND LEVEL ADJOINING THE BUILDING AT EXTERIOR WALLS. WHERE THE FINISHED GROUND LEVEL SLOPES AWAY FROM THE EXTERIOR WALLS, THE REFERENCE PLANE SHALL BE ESTABLISHED BY THE LOWEST POINTS WITHIN THE AREA BETWEEN THE BUILDING AND THE LOT LINE OR, WHERE THE LOT LINE IS MORE THAN 6 FEET (1829 MM) FROM THE BUILDING, BETWEEN THE BUILDING AND A POINT 6 FEET (1829 MM) FROM THE BUILDING.

# **STORY ABOVE GRADE PLANE**

ANY STORY HAVING ITS FINISHED FLOOR SURFACE ENTIRELY ABOVE GRADE PLANE, OR IN WHICH THE FINISHED SURFACE OF THE FLOOR NEXT ABOVE IS:

1. MORE THAN 6 FEET (1829 MM) ABOVE GRADE PLANE; OR 2. MORE THAN 12 FEET (3658 MM) ABOVE THE FINISHED GROUND LEVEL AT ANY POINT.

DESIGN NOTE: THE BUILDING WILL REMAIN A 3 STORY BUILDING WITH BASEMENT BASED ON

THE GRADE PLANE CALCULATION BELOW.

# USE AND OCCUPANCY CLASSIFICATION

E EDUCATION

# PROPOSED USE:

- A-3 ASSEMBLY LIBRARY B BUSINESS
- B EDUCATION ABOVE 12TH GRADE S-1 STORAGE

# SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

404.1 GENERAL: 2 LEVEL ENTRY IS DESIGNED AS AN ATRIUM PER 404.1.1 DEFINITION AND CHAPTER 2.

404.2 USE: THE FLOOR OF THE ENTRY WILL BE FULLY SPRINKLERED SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1. EXCEPTION: THE ATRIUM FLOOR AREA IS PERMITTED TO BE USED FOR ANY APPROVED USE WHERE THE INDIVIDUAL SPACE IS PROVIDED WITH AN APPROVED SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

404.3 AUTOMATIC SPRINKLER PROTECTION: EXISTING BUILDING SPRINKLER PROTECTION

THROUGHOUT THE BUILDING WILL BE MAINTAINED AND UPGRADED PER CURRENT CODE FOR COVERAGE PER THIS SECTION 404.4 FIRE ALARM SYSTEM: A NEW FIRE ALARM SYSTEM WIL BE ADDED THROUGHOUT THE

BUILDING AS PART OF THIS WORK FOLLOWING THE DEMOLITION OF THE EXISTING HIGH SCHOOL BUILDING. THE NEW SYSTEM WILL BE DESIGNED AND INSTALLED PER CODE FOR **COVERAGE PER THIS SECTION** 

404.6 ENCLOSURE OF ATRIUM: ATRIUM ENCLOSURE IS NOT REQUIRED PER EXCEPTION 3 404 8 INTERIOR FINISH: FINISHES ARE NOT LESS THAN CLASS B 404.9 EXIT ACCESS TRAVEL DISTANCE: EXIT ACCESS TRAVEL DISTANCE COMPLIES WITH

SECTION 1017. LESS THAN 300' 404.10 50% OF INTERIOR STAIRS CAN EXIT THROUGH ATRIUM

404.5 SMOKE CONTROL IS NOT REQUIRED PER EXCEPTION

BASEMENT)

GENERAL BUILDING HEIGHTS AND AREAS

TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE				
OCCUPANCY	SPRINKLERED	CONSTRUCTION TYPE	HEIGHT	
A-3	S (NFPA 13)	TYPE III B	75	
В	S (NFPA 13)	TYPE III B	75	
S	S (NFPA 13)	TYPE III B	75	

# EXISTING BUILDING IS 3 STORIES WITH A BASEMENT. THE BUILDING HEIGHT FROM GRADE PLANE IS 50'. NO CHANGE PROPOSED TO BUILDING HEIGHT.

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE			
OCCUPANCY	SPRINKLERED	CONSTRUCTION TYPE	STORIES
A-3	S (NFPA 13)	TYPE III B	3
В	S (NFPA 13)	TYPE III B	4
S	S (NFPA 13)	TYPE III B	3

# EXISTING BUILDING IS 3 STORIES WITH A BASEMENT. NO CHANGE PROPOSED TO NUMBER OF STORIES.

SEE GRADE PLANE CALCULATION 1/A00.02 FOR GRADE PLAN ELEVATION OF 94.54'. THE FLOOR ELEVATION OF THE BASEMENT IS 82'-0" LEVEL 1 ELEVATION OF 94'-0" LOWER THAN THE GRADE PLANE BUT THE FINISH FLOOR SURFACE OF THE FLOOR NEXT ABOVE IS GREATER THAN 12 FEET ABOVE THE FINISHED GROUND LEVEL AT ANY POINT (SHOWN AS 82' AT THE SOUTHEAST CORNER OF THE

TABLE 506.2 ALLOWABLE AREA FACTOR IN SQUARE FEET					
OCCUPANCY	SPRINKLERED	CONSTRUCTION TYPE	AREA		
A-3	SM (MULTI-STORY, NFPA 13)	TYPE III B	28,500		
В	SM (MULTI-STORY, NFPA 13)	TYPE III B	57,000		
S-1 RASEMENT:	SM (MULTI-STORY, NFPA 13)	TYPE III B	52,500		

LEVEL 1:	
A-3 OCCUPANCY:	8,776 SF
B OCCUPANCY:	2,914 SF
S-1 OCCUPANCY:	2,167 SF

# A-3 OCCUPANCY: 2.736 SF B OCCUPANCY: 8,271 SF S-1 OCCUPANCY: 817 SF

B OCCUPANCY: 2,684 SF

LEVEL 3:	
A-3 OCCUPACY:	1,468 SF
B OCCUPANCY:	342 SF
S-1 OCCUPANCY:	134 SF

506.2.4 MIXED-OCCUPANCY, MULTISTORY BUILDING: EACH STORY OF A MIXED-OCCUPANCY BUILDING WITH MORE THAN ONE STORY ABOVE GRADE PLANE SHALL INDIVIDUALLY COMPLY WITH THE APPLICABLE REQUIREMENTS OF SECTION 508.1. FOR BUILDINGS WITH MORE THAN THREE STORIES ABOVE GRADE PLANE, THE TOTAL BUILDING AREA SHALL BE SUCH THAT THE AGGREGATE SUM OF THE RATIOS OF THE ACTUAL AREAS OF EACH STORY DIVIDED BY THE ALLOWABLE AREA OF SUCH STORIES, DETERMINED IN ACCOR\DANCE WITH EQUATION 5-3 BASED ON THE APPLICABLE PROVISIONS OF SECTION 508.1, SHALL NOT EXCEED THREE.

# $A_a = [At + (NS \times If)]$

A<sub>a</sub> = ALLOWABLE AREA (SQUARE FEET)

 $A_t$ = TABULAR ALLOWABLE AREA FACTOR (NS, S13R, OR SM VALUE, AS APPLICABLE) IN ACCORDANCE WITH TABLE 506.2

**NS** = TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR A NONSPRINKLERED BUILDING (REGARDLESS OF WHETHER THE BUILDING IS SPRINKLERED) If= AREA FACTOR INCREASE DUE TO FRONTAGE (PERCENT) AS CALCULATED IN ACCORDANCE WITH SECTION 506.3

# DESIGN NOTE: ALLOWABLE TOTAL AREA AGGREGATE

 $A_a = [28,500 + 6650] = 35,150$ 16,919 / 35,150 = 0.4813

 $A_a = [57,000 + 13,300] = 70,300$ 

16,919 / 70,300 = 0.2407

**CHAPTER 6** TYPES OF CONSTRUCTION

EXISTING EXTERIOR BEARING WALLS ARE CONSTRUCTED AS FOLLOWS: 8" CMU, 1" AIRSPACE, 4" FACE BRICK PER UL DESIGN U902 RATED FOR BEARING WALL AS 4-HR

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS F	OR BUILDING
BUILDING ELEMENT	TYPE III B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS - EXTERIOR	2
NONBEARING WALLS AND PARTITIONS - EXTERIOR	SEE TABLE 60
NONBEARING WALLS AND PARITIONS - INTERIORS	0
BEARING WALLS - INTERIOR	0
FLOOR CONSTRUCTION	0

ROOF CONSTRUCTION

FIRE AND SMOKE PROTECTION FEATURES EXISTING BUILDING IS FULLY SPRINKLERED PER NFPA 13.

# CHAPTER 9

FIRE PROTECTION SYSTEMS

EXISTING BUILDING IS FULLY SPRINKLERED PER NFPA 13.

# CHAPTER 10

MEANS OF EGRESS

1023.2 CONSTRUCTIONB: ENCLOSURES FOR INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH. INTERIOR EXIT STAIRWAYS AND RAMPS ENCLOSURES SHALL HAVE A FIRE-RESISTENCE RATING OF NOT LESS THAN 1 HOURS WHERE CONNECTING LESS THAN FOUR STORIES. EXCEPTION 2: INTERIOR EXIT STAIRWAYS WITHIN AN ATRIUM ENCLOSED IN ACCORDANCE WITH SECTION 404.6

# **EXISTING BUILDING CODE SUMMARY**

# **CLASSIFICATION OF WORK**

SECTION 505 ALTERATION - LEVEL 3 SECTION 505.1 SCOPE: LEVEL 3 ALTERATIONS APPLY WHERE THE WORK AREA EXCEEDS 50 PERCENT OF THE BUILDING AREA. SECTION 505.2 APPLICATION: LEVEL 3 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 AND 8 FOR LEVEL 1 AND 2 ALTERATIONS,

RESPECTIVELY, AS WELL AS THE PROVISIONS OF CHAPTER 9.

THIS PROJECT IS A LEVEL 3 ALTERATION AND WILL MEET THE REQUIREMENTS OF CHAPTERS 7, 8 AND 9. SECTION.

# **CHAPTER 7** ALTERATIONS - LEVEL '

SECTION 702 BUILDING ELEMENTS AND MATERIALS SECTION 703 FIRE PROTECTION

SECTION 703.1 GENERAL: ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF THE PROTECTION PROVIDED. SECTION 704 MEANS OF EGRESS SECTION 704.1 GENERAL: AL TERATIONS SHALL BE DONE IN A MANNER THAT

MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. SECTION 705 ACCESSIBILITY SECTION 705.1 GENERAL: A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE

APPLICABLE PROVISIONS IN SECTIONS 705.1 THROUGH 704.3, AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE UNLESS TECHNICALLY INFEASIBLE.

 ALL NEW INTERIOR MATERIALS ARE MINIMUM CLASS B. MODIFICATIONS WILL BE MADE TO THE EXISTING FIRE SUPPRESION SYSTEM IN ORDER TO MEET COVERAGE REQUIREMENTS BASED ON CONFIGURATION OF NEW • 1003.1 GENERAL: THE BUILDING MODIFICATIONS HAVE BEEN DESIGNED TO MEET MEANS OF EGRESS FROM ALL NEW SPACES IS PROVIDED PER CHAPTER 10 OF

ALL NEW SPACES MEET THE ACCESSIBILTY REQUIREMENTS OF 2015 IBC CHAPTER ALL NEW WORK COMPLIES WITH THE WASHINGTON STATE ENERGY CODE.

# **ALTERATIONS - LEVEL 2**

THE 2015 IBC.

SECTION 803 BUILDING ELEMENTS AND MATERIALS SECTION 803.2.1 EXISTING VERTICAL OPENINGS: ALL EXISTING VERTICAL OPENINGS CONNECTING TWO OR MORE FLOORS SHALL BE ENCLOSED WITH APPROVED ASSEMBLIES HAVING A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WITH

APPROVED OPENING PROTECTIVES. SECTION 803.2.2 SUPPLEMENTAL SHAFT AND FLOOR OPENING ENCLOSURE REQUIREMENTS.

SECTION 804 FIRE PROTECTION SECTION 805 MEANS OF EGRESS: ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. SECTION 806 ACCESSIBILITY

SECTION 807 STRUCTURAL SECTION 808 ELECTRICAL SECTION 809 MECHANICAL

**GRADE PLANE CALCULATION** 

**ELEV-LOW** 

82' - 0"

82' - 0"

110' - 0"

110' - 0"

82' - 0"

SEGMENT

LENGTH

23' - 6"

40' - 0"

92' - 3"

158' - 0"

68' - 0"

21' - 0"

129' - 0"

90' - 4"

28' - 0"

45' - 6"

55' - 0"

24' - 0"

774' - 7"

GRADE

**ELEV-HIGH** 

82' - 0"

86' - 0"

90' - 0"

110' - 0"

101' - 0"

90' - 0"

EQUALS THE GRADE PLANE: 73530'-8" / 774'-7" = 94.54'

**SECTION** 

SECTION 810 PLUMBING SECTION 811 ENERGY CONSERVATION

803.2.1 EXISTING VERTICAL OPENINGS: EXCEPTION 1: WHERE VERTICAL OPENING ENCLOSURE IS NOT REQUIRED BY THE INTERNATIONAL BUILDING CODE OR THE

INTERNATIONAL FIRE CODE. 803.2.2: SUPPLEMENTAL SHAFTS OTHER THAN STAIRWAYS WILL MEET THE ENCLOSURE REQUIREMENTS OF SECTION 803.2. 803.4: INTERIOR FINISHES WITHIN WORK AREA COMPLY WITH THE REQUIREMENTS

OF THE 2015 IBC. 803.6: THE ENTIRE BUILDING IS SPRINKLERED THROUGHOUT BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED AND UPGRADED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2 OF THE INTERNATIONAL BUILDING CODE.

803.4.1: ALL EXITS AND CORRIDORS SERVING WORK AREAS THROUGHOU FLOOR MEET THE REQUIREMENTS OF 803.4. 804.2.2: THE ENTIRE BUILDING IS SPRINKLERED THROUGHOUT BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED AND UPGRADED IN ACCORDANCE WITH SECTION

903.3.1.1 OR 903.3.1.2 OF THE INTERNATIONAL BUILDING CODE. 804.2.5 SUPERVISION: THE FIRE SPRINKLER SYSTEM WILL BE SUPERVISED AS REQUIRED BY THIS SECTION. 804.3 STANDPIPES: NOT REQUIRED WHERE NO WORK AREA IS LOCATED MORE

THAN 50 FEET ABOVE OR BELOW THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS. 804.4 FIRE ALARM AND DETECTION: AN APPROVED FIRE ALARM SYSTEM IS PROVIDED THROUGHOUT THE BUILDING.

AVERAGE GRADE TIMES

SEGMENT LENGTH

1927' - 0"

3360' - 0"

8118' - 0"

14615' - 0"

6528' - 0"

2310' - 0"

12255' - 0"

9936' - 8"

2772' - 0"

4277' - 0"

5060' - 0"

2064' - 0"

73222' - 8"

805.2 GENERAL: THE MEANS OF EGRESS COMPLY WITH THE MEANS OF EGRESS REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED.

ALTERATIONS - LEVEL 3

ASME A17.1/CSAB44.1.

**CHAPTER 10** 

 904;1 AUTOMATIC SPRINKLER SYSTEMS: 904;2 FIRE ALARM AND DETECTION SYSTEM:

SECTION 1003 BUILDING ELEMENTS AND MATERIALS

THE REQUIREMENTS OF SECTION 1012.

SECTION 1012 CHANGE OF OCCUPANCY CLASSIFICATION

REQUIREMENTS OF CHAPTER 9 WITHOUT SEPARATION.

BUILDING CODE REVIEW SECTION AS WELL.

CHAPTER 9 OF 2015 IBC

OF THE 2015 IBC.

OCCUPANCY

CONSTRUCTION

2015 IBC AS LISTED ABOVE.

CHANGE OF OCCUPANCY

SECTION 1004 FIRE PROTECTION

SECTION 1006 ACCESSIBILITY

SECTION 1005 MEANS OF EGRESS

CHAPTER 9

SECTION 902.1.2 ELEVATORS SECTION 903 BUILDING ELEMENTS AND MATERIALS SECTION 903.2.1 EXISTING VERTICAL OPENINGS: ALL EXISTING VERTICAL OPENINGS CONNECTING TWO OR MORE FLOORS SHALL BE ENCLOSED WITH

902.1.2 ELEVATORS: EXISTING ELEVATOR HAS A TRAVEL DISTANCE OF 25 OR

MORE ABOVE THE MAIN FLOOR AND INTENDED TO SERVE THE NEEDS OF

NEW ELEVATOR SHALL BE PROVIDED WITH PHASE I EMERGENCY RECALL

• 903.1 EXISTING SHAFTS AND VERTICAL OPENINGS: EXISTING STAIRWAYS THAT ARE PART OF THE MEANS OF EGRESS SHALL BE ENCLOSED IN ACCORDANCE

• 1004.1 GENERAL: THE BUILDING MODIFICATIONS REGARDING FIRE PROTECTION

1005.1 GENERAL: THE BUILDING MODIFICATIONS REGARDING MEANS OF EGRESS

1012.1.1 COMPLIANCE WITH CHAPTER 9: THE BUILDING MODIFICATIONS MEET THE

• 1012.1.1.1 CHANGE OF OCCUPANCY CLASSIFICATION WITHOUT SEPARATION: THE

BUILDING MODIFICATIONS MEET THE REQUIREMENTS OF CHAPTER 9 WITHOUT

RESTRICTIVE OCCUPANCY CLASSIFICATION IN THE BUILDING. SEE ALSO THE

1012.2.1 FIRE SPRINKLER SYSTEM: EXISTING FIRE SPRINKLER SYSTEM WILL BE

MODIFIED BASED ON NEW OCCUPANCY REQUIREMENTS AND NEW LAYOUT PER

HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF SECTION 1012.

HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF SECTION 1012.

1006.1 GENERAL: THE BUILDING MODIFICATIONS REGARDING ACCESSIBILITY

HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF SECTION 1012.8.

SEPARATION FOR AN ASSEMBLY OCCUPANCY WHICH IS THE THE MOST

• 1012.2.2 FIRE ALARM AND DETECTION SYSTEM: EXISTING FIRE ALARM AND

1012.4 MEANS OF EGRESS: BASED ON TABLE 1012.4 THE EGRESS HAZZARD

• 1012.4.3 EGRESS CAPACITY: EGRESS CAPACITY IS DESIGNED TO MEET OR

EXCEED THE OCCUPANT LOAD AS SPECIFIED IN THE 2015 IBC FOR THE NEW

• 1012.4.4 HANDRAILS: EXISTING HANDRAILS ARE REPLACED WITH NEW TO MEET

1012.5 HEIGHTS AND AREAS: BASED ON TABLE 1012.5 THE HEIGHTS AND AREA

1012.6 EXTERIOR WALL FIRE RESISTANCE RATING: BASED ON TABLE 1012.6 THE

HAZZARD CATEGORY CHANGES FROM 3 TO 2. THE EXTERIOR WALLS ALREADY

MEET THE FIRE RATING REQUIRED FOR THE S-1 OCCUPANCY.

REQUIREMENTS OF SECTIONS 1012.7.1 THROUGH 1012.7.4.

1012.7 ENCLOSURE OF VERTICAL SHAFTS: ALL SHAFTS MEET THE

• 1012,8 ACCESSIBILITY: ALL MODIFICATIONS MEET THE REQUIREMENTS OF

HAZZARD CATEGORY CHANGES TO A HIGHER CATEGORY FROM 3 TO 2. HEIGHT

AND AREA OF BUILDING COMPLY WITH THE REQUIRMENTS OF CHAPTER 5 OF THE

OR EXCEED THE REQUIREMENTS SPECIFIED IN THE 2015 IBC FOR NEW

• 1012.3 INTERIOR FINISHES: ALL INTERIOR FINISHES MEET THE REQUIREMENTS

CATEGORY CHANGES USE TO AN EQUAL OR LOWER HAZZARDOUS CATEGORY.

DETECTION SYSTEM WILL BE MODIFIED BASED ON NEW OCCUPANCY

REQUIREMENTS AND NEW LAYOUT PER CHAPTER 9 OF 2015 IBC.

WITH SECTION 803.2.1 FROM THE HIGHEST WORK AREA FLOOR TO, AND

INCLUDING THE LEVEL OF EXIT DISCHARGE AND ALL FLOORS BELOW.

EMERGENCY PERSONNEL FOR FIRE-FIGHTING OR RESCUE PURPOSES SHALL BE PROVIDED WITH EMERGENCY OPERATION IN ACCORDANCE WITH ASME A17.3.

APPROVED ASSEMBLIES HAVING A FIRE-RESISTANCE RATING.

PLUMBING CALCULATIONS

CHAPTER 29

PLUMBING SYSTEMS

SERVICE DRINKING **BASEMENT** WATERCLOSET LAVATORY FOUNTAIN SINK SPACE MALE FEMALE MALE FEMALE DF SS REQD RATIO | REQD | RATIO | REQD RATIO REQD LOAD RATIO | REQD | RATIO | REQD | BUSINESS .63 1:100 1:80 +80 : 50 +50 1 : 50 +50 1:80 +80 OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH TOTAL PROVIDED 1 WC PROVIDED | 1 WC PROVIDED | 1 LAV PROVIDED | 1 LAV PROVIDED | BOTTLE FILL STATION |

LEVEL 1			WATE	RCLOSET		LAVATORY				DRINKING FOUNTAIN		SERVICE SINK
SPACE	MA	<b>ALE</b>	FEM	ALE	MA	<b>LE</b>	FEM	ALE	D	F	SS	
USE	LOAD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	REQD
A-3 LIBRARY	161	1 : 125	.65	1 : 65	1.24	1 : 200	.40	1:200	.40	1 : 500	.322	
B BUSINESS	34	1 : 25<50 1 : 50 +50	.68	1 : 25<50 1 : 50 +50	.68	1 : 40<80 1 : 80 +80	.43	1 : 40<80 1 : 80 +80	.43	1 : 100	.34	NOTE A
S-1 STORAGE	13	1 : 100	.07	1 : 100	.07	1 : 100	.07	1:100	.07	1 : 1000	.01	

LEVEL 2		WATERCLOSET LAVATORY						DRIN FOUN	KING NTAIN	SERVICE SINK		
SPACE		MA	<b>ALE</b>	FEM	ALE	MA	ALE	FEM	FEMALE		F	SS
USE	LOAD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	REQD
A-3 LIBRARY	167	1 : 125	.67	1 : 65	1.28	1 : 200	.42	1 : 200	.42	1 : 500	.24	
B BUSINESS	230	1 : 25<50 1 : 50 +50	3.3	1 : 25<50 1 : 50 +50	3.3	1 : 40<80 1 : 80 +80	2.44	1 : 40<80 1 : 80 +80	2.44	1 : 100	1.22	NOTE A
S-1 STORAGE	11	1 : 100	.06	1 : 100	.06	1 : 100	.06	1:100	.06	1 : 1000	.01	

LEVEL 3				WATE	RCLOSET		DRINK LAVATORY FOUN				-	SERVICE SINK	
)	SPACE		MA	<b>LE</b>	FEM.	ALE	MA	ALE .	FEM	ALE	D	F	SS
)	USE	LOAD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	RATIO	REQD	REQD
) \	A-3 MEETING	98	1 : 125	.39	1 : 65	.75	1 : 200	.25	1:200	.25	1 : 500	.1	
)	B BUSINESS	5	1 : 25<50 1 : 50 +50	.1	1 : 25<50 1 : 50 +50	.1	1 : 40<80 1 : 80 +80	.06	1 : 40<80 1 : 80 +80	.06	1 : 100	.03	NOTE A
)	S-1 STORAGE	2	1 : 100	.01	1 : 100	.01	1 : 100	.01	1:100	.01	1 : 1000	.01	
\													

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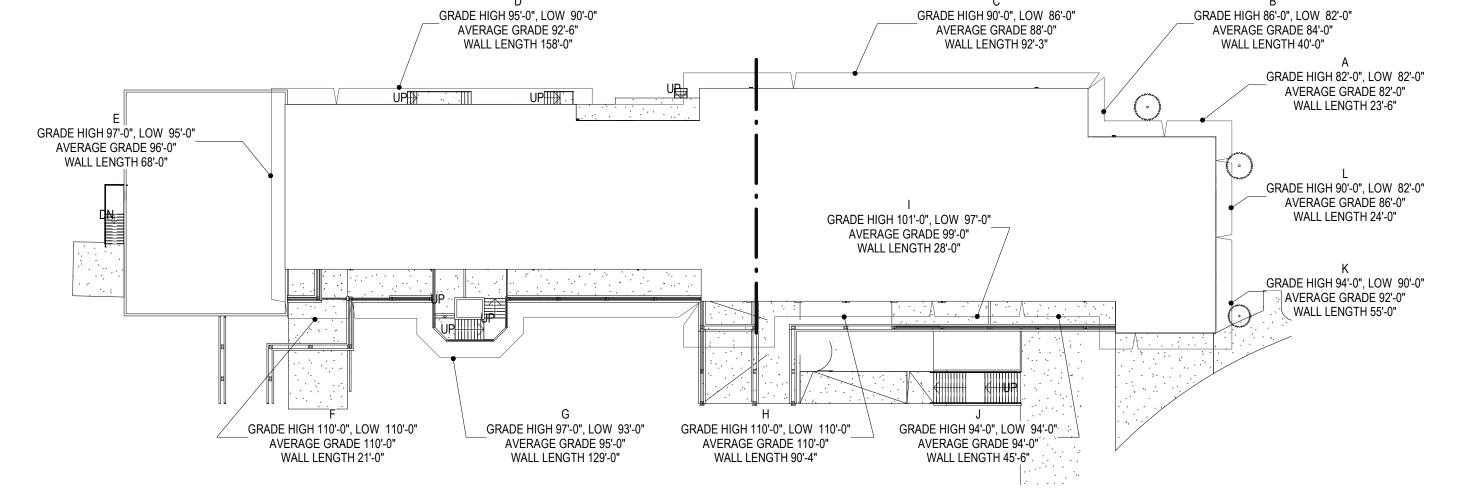
BUILDING IS DESIGNED TO SECURE DIFFERENT TENANT AREAS INDIVIDUALLY THUS REQUIRING RESTROOMS TO BE DESIGNED FOR AREA USAGE NOT NECESSARILY BY FLOOR LEVEL.

 BASEMENT IS A SEPARATE TENANT WITH ITS OWN RESTROOMS SIZED FOR BASEMENT OCCUPANTS ONLY • LEVEL 1 RESTROOMS SERVICE ALL OF THE AREAS ON LEVEL 1, LEVEL 2 AREAS SOUTH OF GRID E40 AND THOSE WITH NAMES THAT BEGIN WITH AN "A". AND ALL LEVEL 3 AREAS. • LEVEL 2 RESTROOMS SERVICE THE AREAS ON LEVEL 2 NORTH OF GRID E40 NOT INCLUDING THOSE WITH NAMES THAT BEGIN WITH AN "A"

LEVEL 1 RESTROOMS	WATER	CLOSET	LAVATORY				
	MALE	FEMALE	MALE	FEMALE			
	REQD	REQD	REQD	REQD			
LEVEL 1 AREAS	1.4	1.99	.9	.9			
LEVEL 2 AREAS	1.21	2.21	.78	.78			
LEVEL 3 AREAS	.5	.86	.32	.32			
TOTAL	3.11	4.97	2.00	2.00			
TOTAL PROVIDED	4	4 + 1 *	3	3+1*			

# \* THE +1 INCLUDES THE UNISEX RESTROOM AS A WOMEN'S RESTROOM

**DESIGN NOTE:** A. TWO SERVICE SINKS PROVIDED; ONE ON LEVEL 1 AND ONE ON LEVEL 2. ALL OCCUPANCIES HAVE ACCESS TO A SERVICE SINK AT ALL





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PROJECT# 2018048.03 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE 1 Permit Review Responses **CODE INFORMATION** 

Reviewed for Code Compliance SP 06/23/20203:19:43 PM kwlodarchak

> SEE EARTHQUAKE DESIGN DATA SECTION OF THE GENERAL STRUCTURAL NOTES ON SHEET [ SXX.XX ] FOR SEISMIC-FORCE RESISTING-SYSTEMS. SEISMIC-FORCE-RESISTING SYSTEMS (INCLUDING DRAG STRUTS AND CHORDS) ARE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE FOLLOWING SEISMIC AND NON-SEISMIC TABLES. STRUCTURAL SYSTEMS NOT PART OF THE SEISMIC-FORCE-RESISTING SYSTEM NEED ONLY BE INSPECTED IN ACCORDANCE WITH NON-SEISMIC TABLES. STRUCTURAL STEEL SPECIAL INSPECTION SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE ACCORDANCE WITH AISC 341, AISC 360, AND THE FOLLOWING INFORMATION.

TASK - INDICATES WHETHER TO OBSERVE OR PERFORM (OR BOTH) THE INSPECTION TASK. DOC - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH

THE CONTRACT DOCUMENTS.

THESE FUNCTIONS ON A RANDOM, DAILY BASIS, OPERATIONS NEED NOT BE DELAYED PENDING INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED INACCORDANCE WITH THE APPLICABLE DOCUMENTS.
- PERFORM, FOR EACH JOINT OR MEMBER PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM. TASKS INDICATED AS "QC" SHALL BE EXECUTED BY THE FABRICATOR AND RECETOR IN ACCORDANCE WITH AISC 360 CHAPTER N.
 TASKS INDICATED AS "QA" SHALL BE EXECUTED BY THE SPECIAL INSPECTOR IN ACCORDANCE WITH AISC 360 CHAPTER N.

STEEL DETAILS

9 LEEF DE LAIF9			
INSPECTION TASKS	QC	QA	REFERENCED STANDARD
INSPECT THE FABRICATED STEEL AND ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION	QC	QA	AISC 360 CH. N

# WELDING

			REFERENCED	IBC
INSPECTION TASKS PRIOR TO WELDING			STANDARD	REFERENCE
INSPECTION TASKS PRIOR TO WELDING	QC	QA		
WELDING PROCEDURE SPECIFICATIONS (WPSS) AVAILABLE	Р	Р		
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Р	Р		
MATERIAL IDENTIFICATION (TYPE / GRADE)	0	0		
WELDER IDENTIFICATION SYSTEM 1	0	0		
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)	0	0	AISC 360 CH. N AND AWS D1.1	1705.2.1
CONFIGURATION AND FINISH OF ACCESS HOLES	0	0		
FIT-UP OF FILLET WELDS, DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION)	0	0		
CHECK WELDING EQUIPMENT	0			
INSPECTION TASKS DURING WELDING			REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS DURING WELDING	QC	QA		
USE OF QUALIFIED WELDERS	0	0		
CONTROL AND HANDLING OF WELDING CONSUMABLES, PACKAGING, EXPOSURE CONTROL	0	0		
NO WELDING OVER CRACKED TACK WELDS	0	0		
ENVIRONMENTAL CONDITIONS, WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE	0	0	AISC 360 CH. N AND AWS D1.1	1705.2.1
WPS FOLLOWED, SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE / FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM), PROPER POSITION (F, V, H, OH)	0	0		
WELDING TECHNIQUES, INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	0	0		
INSPECTION TASKS AFTER WELDING			REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS AFTER WELDING	QC	QA		
WELDS CLEANED	0	0		
	Р	Р	1	l
SIZE, LENGTH AND LOCATION OF WELDS	Р	Р	l	
SIZE, LENGTH AND LOCATION OF WELDS WELDS MEET VISUAL ACCEPTANCE CRITERIA, CRACK PROHIBITION, WELD / BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY	P	P	AISC 360 CH. N	

DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER 1 THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT

BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)

THE WEB k-AREA FOR CRACKS WITHIN 3 INCHES OF WELD.

# STRUCTURAL SPECIAL INSPECTION SCHEDULES

MOUNT INDESCRION TACK PRIOR TO WELDING	QC		QA		REFERENCED	IBC
VISUAL INSPECTION TASK PRIOR TO WELDING	TASK	DOC	TASK	DOC	STANDARD	REFERENCE
MATERIAL IDENTIFICATION (TYPE / GRADE)	0	-	0	-		
WELDER IDENTIFICATION SYSTEM	0	-	0	-		
FIT-UP OF GROOVE (INCLUDING JOINT GEOMETRY)						
- JOINT PREPARATION						
- DIMENSION (ALIGNMENT, ROOF OPENING, ROOT FACE, BEVEL)					AISC 341 CH. J , AWS D1.1 , AND	
- CLEANLINESS (CONDITION OF STEEL SURFACES)	P/0**		0			
- TACKING (TACK WELD QUALITY AND LOCATION)						1705.12.1
- BACKING TYPE AND FIT (IF APPLICABLE)					AWS D1.8	
CONFIGURATION AND FINISH TO ACCESS HOLES	0		0			
FIT-UP OF GROOVE (INCLUDING JOINT GEOMETRY)						
- DIMENSION (ALIGNMENT, GAPS OF ROOT)	P/0**		_			
- CLEANLINESS (CONDITION OF STEEL SURFACES)	P/0		0	-		
- TACKING (TACK WELD QUALITY AND LOCATION)						
MOUNT INDECATION THOSE PURING TO MET PING	a	C	C	)A	REFERENCED	IBC
VISUAL INSPECTION TASK DURING TO WELDING						

- TACKING (TACK WELD QUALITY AND LOCATION)					AWS D1.1, AND	1705.12.1	INSPECTION OF C
- BACKING TYPE AND FIT (IF APPLICABLE)					AWS D1.8		PRIOR TO CO
CONFIGURATION AND FINISH TO ACCESS HOLES	0		0		]		MATERIAL IDENTIFICATION OF RE
FIT-UP OF GROOVE (INCLUDING JOINT GEOMETRY) - DIMENSION (ALIGNMENT, GAPS OF ROOT)	P/0**						DETERMINATION OF CARBON EQ OTHER THAN ASTM A706
- CLEANLINESS (CONDITION OF STEEL SURFACES)	P/0**	,,,,,	0	-			PROPER REINFORCING STEEL SI
- TACKING (TACK WELD QUALITY AND LOCATION)							REINFORCING STEEL HAS NOT B
	0	c	C	)A	REFERENCED	IBC	REINFORCING STEEL HAS BEEN
VISUAL INSPECTION TASK DURING TO WELDING	TASK	DOC	TASK	DOC	STANDARD	REFERENCE	REQUIRED REINFORCING STEEL COMPOSITE MEMBER HAS REQU
WPS FOLLOWED - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE / FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM) - PROPER POSITION (F , V , H , OH) - INTERMIX OF FILTER METALS AVOIDED UNLESS APPROVED	0	-	0	-			INSPECTION OF COURTS ACHIEVEMENT OF MINIMUM LARGE AG LIMITS ON WATER ADDED AT THE PROPER PLACEMENT TECHNIQUI INSPECTION OF COM CONCRE ACHIEVEMENT OF MINIMUM SPEC STRENGTH AT SPECIFIED AGE
CONFIGURATION AND FINISH TO ACCESS HOLES	0		0		AISC 341 CH. J , AWS D1.1 , AND	1705.12.1	STRENGTHAT OF COLLED AGE
CONTROL AND HANDLING OF WELDING CONSUMABLES - PACKAGING - EXPOSURE CONTROL	0		0		AWS D1.8	1703.12.1	
ENVIRONMENTAL CONDITIONS					1		SPECIAL INSPECTION OF C
- WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	0	-	0				VERIFICATIO
					1	I	4 INSPECT DEINEODCEMENT IN

 
 QC
 QA
 REFERENCED
 IBC

 TASK
 DOC
 TASK
 DOC
 STANDARD
 REFERENCE
 P - P -AISC 341 CH. J , AWS D1.8

\*\* FOLLOWING PERFORMANCE OF THIS INSPECTION TASK FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THAT THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.

SEISMIC STEEL INSPECTION TASK							
	Q	C	C	)A	REFERENCED	IBC REFERENCE	
OTHER INSPECTION TASKS	TASK	DOC	TASK	DOC	STANDARD		
RBS REQUIREMENTS, IF APPLICABLE - CONTOUR AND FINISH - DIMENSION TOLERANCES	Р	D	Р	D	AISC 341 CH. J	1705.12.1	
PROTECTED ZONE, NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY BY FABRICATOR OR ERECTOR, AS APPLICABLE	Р	D	Р	D			
SEISMIC COMPOSITE CONSTRUCTION							

C	C	С	lΑ	REFERENCED	IBC	
TASK	DOC	TASK	DOC	STANDARD	REFERENCE	
0	-	0				
0	-	0	-			
0	-	0				
0	-	0		AISC 341 CH. J	1705.12.1	
0	-	0				
0	-	0				
0	-	0	-			
QC		C	)A	REFERENCED	IBC	
TASK	DOC	TASK	DOC	STANDARD	REFERENCE	
0	D	0	D			
0	D	0	D	AISC 341 CH. J	1705.12.1	
0		0				
C	C	C	)A	REFERENCED	IBC	
				STANDARD	REFERENCE	
TASK	DOC	TASK	DOC	01711107110	THE ENERGE	
	TASK 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	TASK DOC TASK  O - O  O - O  O - O  O - O  O - O  O - O  TASK  O D O  O D O  O D O  O D O  O D O  O D O  O D O  O D O  O D O  O D O	TASK         DOC         TASK         DOC           0         -         0         -           0         -         0         -           0         -         0         -           0         -         0         -           0         -         0         -           0         -         0         -           0         -         0         -           0         -         0         -           QC         QA         TASK         DOC           TASK         DOC         TASK         DOC           0         D         0         D           0         D         0         D           0         -         0         -	TASK DOC TASK DOC STANDARD  O - O - O - O - O - O - O - O - O - O	

AL INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>1</sup>	IBC REFERENCE
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS     AND PLACEMENT		Х	ACI 318: CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3	
2. REINFORCING BAR WELDING:				
<ul> <li>VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706</li> </ul>		Х	AWS D1.4	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		Х	ACI 318: 26.6.4	-
c. INSPECT ALL OTHER WELDS	Х			
3. INSPECT ANCHORS CAST IN CONCRETE		Х	ACI 318: 17.8.2	-
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS <sup>2</sup>				
<ul> <li>a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS</li> </ul>	х	-	ACI 318: 17.8.2.4	-
<ul> <li>MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a</li> </ul>		Х	ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX		×	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2.
<ol> <li>PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE</li> </ol>	х	-	ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12	
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	х	-	ACI 318: 26.5	
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE     AND TECHNIQUES		Х	ACI 318: 26.5.3-26.5.5	
9. INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES	Х	-	ACI 318: 26.10	
b. GROUTING OF BONDED PRESTRESSING TENDONS	Х		AUI 318; 20.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS		Х	ACI 318: 26.8	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		Х	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		Х	ACI 318: 26.11.1.2 <sup>2</sup>	

NON-STRUCTURAL COMPONENTS SEISMIC REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS

P P AND AWS D1.1

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCED
DESIGNATED SEISMIC SYSTEM				
<ul> <li>VERIFY THE LABEL, ANCHORAGE AND MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE</li> </ul>		Х	ASCE 7 SECTION 13.2	1705.12.4
ARCHITECTURAL COMPONENTS				
a. ERECTION AND FASTENING OF b. EXTERIOR CLADDING 1.2		Х	-	1705.12.5
<ul> <li>ERECTION AND FASTENING OF INTERIOR <sup>3</sup> AND EXTERIOR NON-BEARING WALLS <sup>1,2</sup></li> </ul>		Х	-	1705.12.5
<ul> <li>ERECTION AND FASTENING OF INTERIOR AND EXTERIOR VENEER 1.2</li> </ul>		Х	-	1705.12.5
d. ANCHORAGE OF ACCESS FLOORS		Х		1705.12.5.1
PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS				
<ul> <li>a. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS</li> </ul>		Х	-	1705.12.6
b. ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT		Х		1705.12.6
<ul> <li>INSTALLATION AND ANCHORAGE OF PIPING SYSTEM DESIGNED TO CARRY HAZARDOUS MATERIALS AND THERE ASSOCIATED MECHANICAL UNITS</li> </ul>		Х		1705.12.6
<ul> <li>INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS</li> </ul>		Х	-	1705.12.6
e. INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEM WHERE THE NOMINAL CLEARANCE BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAIN IS 1/4 INCH OR LESS		х	-	1705.12.6
STORAGE RACK				
a. ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT		Х	-	1705.12.7

INTERIOR AND EXTERIOR VENEER 30 FEET OR LESS IN HEIGHT ABOVE GRADE [ OR A WALKING SURFACE ].

TESTS CONCRETE

WELDING TECHNIQUES - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEET QUALITY REQUIREMENTS NO WELDING OVER CRACKED TACKS

WELDS CLEANED

- UNDERCUT

- CRACK PROHIBITION

- CRATER CROSS SECTION

- WELD PROFILES AND SIZE

FILLET WELDS (IF REQUIRED)

REPAIR ACTIVITIES

VISUAL INSPECTION TASK AFTER TO WELDING

SIZE, LENGTH, AND LOCATION OF WELDS

WELDS MEET VISUAL ACCEPTANCE CRITERIA

- WELDS MEET VISUAL ACCEPTANCE CRITERIA

PLACEMENT OF REINFORCING OR CONTOURING

AND FILLET WELDS ADDED (IF REQUIRED)

BACKING REMOVED, WELD TABS REMOVED AND FINISHED,

a. VERIFICATION OF SPECIFIED CONCRETE COMPRESSIVE STRENGTH, f'c, IN ACCORDANCE WITH ACI 318-14 SECTION 26.12. VERIFICATION OF SPECIFIED AIR CONTENT, SLUMP, AND TEMPERATURE IN ACCORDANCE WITH ACI 318-14 SECTION 26.12 AT TIMES FRESH CONCRETE IS SAMPLED.

c. VERIFICATION OF SPECIFIED SHOTCRETE COMPRESSIVE STRENGTH, f'z, IN ACCORDANCE WITH IBC 1908.10 AT LEAST ONCE PER SHIFT, BUT NOT LESS THAN 50 CUBIC YARDS OF SHOTCRETE.

WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

Permit Number: 19-05911

# SPECIAL INSPECTIONS SPECTIONS

# NON-STRUCTURAL SPECIAL INSPECTIONS FOUND IN THE 2015 IBC AND WSEC STATEMENT OF SPECIAL INSPECTIONS FOR GENERAL TRADES, MECHANICAL, AND **ELECTRICAL SYSTEMS**

1. SPECIAL INSPECTIONS SHALL BE PROVIDED PER THE REQUIREMENTS OF THE IBC AND REFERENCED STANDARDS. 2. REFER TO STRUCTURAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS OF STRUCTURAL SYSTEMS.

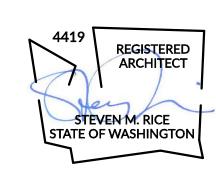
3. TESTING AND SPECIAL INSPECTION REPORTS PREPARED BY THE SPECIAL INSPECTOR SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, AND OWNER ON A DAILY BASIS WHENEVER TESTING OR SPECIAL INSPECTIONS ARE PERFORMED.

**DESIGN NOTE:** THIS PROJECT IS IN SEISMIC ZONE D AND RISK CATEGORY II. REFER TO GENERAL STRUCTURAL NOTES.

		T		11100-	OTION METUR	00	
APPLICABLE TO THIS PROJECT	SYSTEM	REFERENCE 2015 IBC, UNO	VERIFICATION AND INSPECTION	CONTINUOUS	ECTION METHO	PERIODIC	NOTES AND EXPECTATIONS
YES	WIND OR SEISMIC-RESISTING COMPONENTS	1704.4	CONTRACTORS STATEMENT OF RESPONSIBILITY FOR SPECIAL INSPECTION	NO	NO	YES	REQUIRED FOR EACH CONTRACTOR RESPONSIBLE FOR CONSTRUCTION OF WIND OR SEISMIC-RESISTING SYSTEMS OR COMPONENTS.
NO	EXTERIOR CLADDING AND VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	EXCEPTION FOR < 30' ABOVE WALKING SURFACE EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. CLADDING OR VENEER <5 PSF.
NO	INTERIOR VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	EXCEPTION FOR < 30' ABOVE WALKING SURFACE EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. VENEER <5 PSF.
YES	INTERIOR NON-LOAD BEARING PARTITIONS	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11.5):  1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.  2. INTERIOR NON-LOAD BEARING WALLS <15 PSF.
NO	EIFS SYSTEMS	1705.16	INSTALLATION	NO	NO	YES	EXCEPTION FOR INSTALLATION OVER MASONRY OR CONCRETE 1. EIFS SYSTEMS OVER WRB WITH DRAINAGE TO EXTERIOR. 2. EIFS SYSTEMS OVER MASONRY OR CONCRETE.
YES	FIRE-RESISTANT PENETRATIONS AND JOINTS	1705.17	INSPECTION	NO	NO	YES	REQUIRED FOR: 1. HIGH-RISE CONSTRUCTION (REFERENCE SECTION 403) 2. BUILDINGS OF RISK CATEGORY III OR IV PER TABLE 1604.5
YES	INTERIOR GLAZED PARTITION	ASCE 7-10 11.A.1.3.9 (3)	ERECTION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE ASCE 7-10 SECTION 11.A.1.3.9 (3):  1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.
YES	SUSPENDED CEILING GRIDS	ASCE 7-10 11.A.1.3.9 (2)	INSTALLATION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F.
NO	STORAGE RACKS	1705.12.7	ANCHORAGE	NO	NO	YES	LIBRARY STACKS <5' TALL AND NO STORAGE RACKS
YES	SEISMIC ISOLATION SYSTEMS AND ENERGY DISSIPATION DEVICES	1705.12.8	FABRICATION AND INSTALLATION	NO	NO	YES	ONLY IF ALTERNATE 1 IS ACCEPTED
YES	VIBRATION ISOLATION SYSTEMS	1705.12.6(5)	INSTALLATION AND ANCHORAGE	NO	NO	YES	ONLY IF ALTERNATE 1 IS ACCEPTED
NO	PIPING SYSTEMS AND MECHANICAL UNITS CARRYING HAZARDOUS MATERIALS	1705.12.6(3)	INSTALLATION AND ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.
YES	ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS	1705.12.6(1)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.
YES	ELECTRICAL EQUIPMENT	1705.12.6(2)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE E AND F
NO	BUILDING ENVELOPE AIR BARRIER	WSEC C402.5.1.2	AIR LEAKAGE RATE	NO	YES AT BLDG COMPLETION	NO	EXISTING BRICK VENEER TO REMAIN



275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



# RENOVATION SD CKS 900 BUILDING

PROJECT#	!	2018048.03
F	PERMIT SET	-
ISSUE DAT	E DECEMBE	ER 24, 2019
R	EVISION SCHEDUL	E
1 Permit F	Review Responses	04/03/20

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM

# **REGISTERED** ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

# RENOVATION **K**R BUILDING 900

2018048.03 PROJECT# **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

**ACCESSIBILITY** 

SHEET#

—

G OF SINK WHEN LOCATED ADJACENT TO A SIDE WALL

# **ELEVATORS**

# **407.1 GENERAL.** ELEVATORS SHALL COMPLY WITH SECTION

AND ASME A17.1/CSA B44 LISTED IN SECTION 105.2.5. ELEVATORS SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1/CSA B44. ELEVATOR OPERATION SHALL BE AUTOMATIC.

407.2.1.1 HEIGHT. CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 308, MEASURED TO THE CENTERLINE OF THE HIGHEST

OPERABLE PART. **EXCEPTION**: EXISTING CALL BUTTONS AND EXISTING SHALL BE PERMITTED TO BE LOCATED 54 INCHES (1370

MAXIMUM ABOVE THE FLOOR, MEASURED TO THE

**HEIGHT OF ELEVATOR CALL BUTTONS** 

CENTERLINE OF THE HIGHEST OPERABLE PART. **407.2.1.2 SIZE**. CALL BUTTONS SHALL BE 3/4 INCH (19MM) MINIMUM IN THE SMALLEST DIMENSION. **EXCEPTION:** EXISTING ELEVATOR CALL BUTTONS SHALL NOT

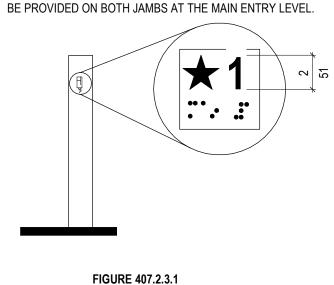
BE REQUIRED TO COMPLY WITH SECTION 407.2.1.2. \*MINIMUM DIMENSIONS FOR THE BUTTONS ENSURE THAT THE BUTTONS ARE SUITABLE FOR PEOPLE WHO HAVE LIMITED USE OF THEIR HANDS (SEE ALSO SECTION 407.2.1.6.)

BE CENTERED AT 72 INCHES (1830 MM) MINIMUM ABOVE THE FLOOR. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2 INCHES (64 MM) MINIMUM BETWEEN THE UPPERMOST AND LOWEST EDGES OF THE ILLUMINATED SHAPE MEASURED VERTICALLY. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON. **EXCEPTIONS:** 

407.2.2.2 VISIBLE SIGNALS. VISIBLE SIGNAL FIXTURES SHALL

1. DESTINATION-ORIENTED ELEVATORS SHALL BE PERMITTED TO HAVE SIGNALS VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HOISTWAY ENTRANCE. 2. EXISTING ELEVATORS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 407.2.2.2.

407.2.1.3 AUDIBLE SIGNALS. AUDIBLE SIGNALS SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION, OR SHALL HAVE VERBAL ANNUNCIATORS THAT INDICATE THE DIRECTION OF THE ELEVATOR CAR TRAVEL. AUDIBLE SIGNALS SHALL HAVE A FREQUENCY OF 1500 HZ MAXIMUM. VERBAL ANNUNCIATORS SHALL HAVE A FREQUENCY OF 300 HZ MINIMUM.



407.2.3.1 FLOOR DESIGNATION. FLOOR DESIGNATIONS SHALL

CHARACTERS SHALL BE 2 INCHES (51 MM) MINIMUM IN HEIGHT

FLOOR DESIGNATIONS SHALL BE LOCATED ON BOTH JAMBS

OF ELEVATOR HOIST-WAY ENTRANCES, A RAISED STAR SHALL

BE PROVIDED IN RAISED CHARACTERS AND BRAILLE

COMPLYING WITH SECTIONS 703.3 AND 703.4. RAISED

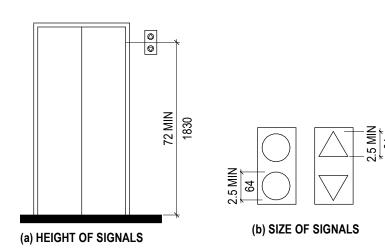
ELEVATOR CAR CONTROLS SHALL COMPLY WITH SECTIONS 407.4.6 AND 309. 3/4 MIN (407.4.6.2.1) \ 48 IN. MAX HT 54 IN. MAX HT (1370 mm) (407.4.6.1 EXCEPTION) - BRAILLE DESIGNATION DOOR CLOSE **EMERGENCY** EMERGENCY STOP (RAISED OCTAGON x INCISED) — 35 IN. (890 MM) FROM

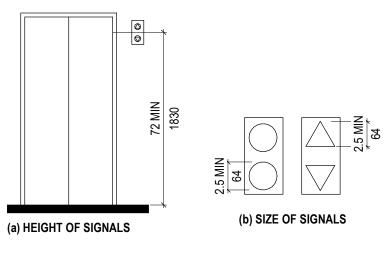
407.4.6 ELEVATOR CAR CONTROLS. WHERE PROVIDED,

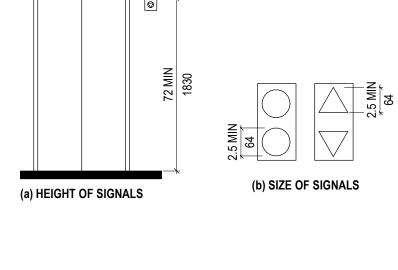
GRAB BARS -SEE TOILET **ELEVATIONS** WATER CLOSET CLEAR FLOOR

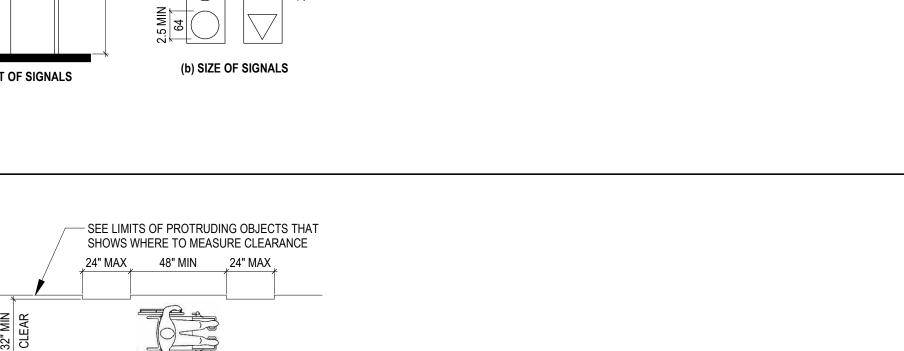
SIGN: IN THE EVENT OF FIRE USE STAIRS! DO NOT USE ELEVATOR — \* 54 MAX (1370) FOR EXISTING FIGURE 407.2.1.1

ACCESSIBLE ELEVATORS

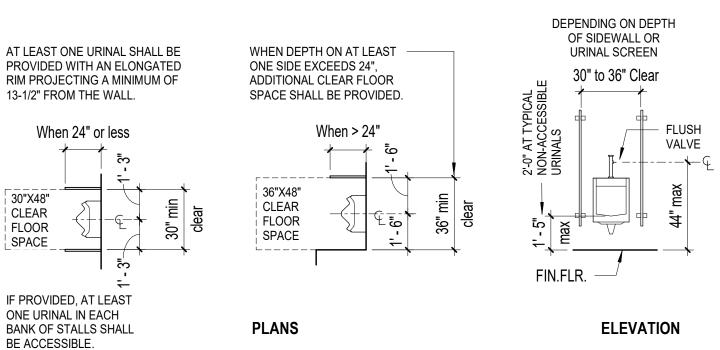








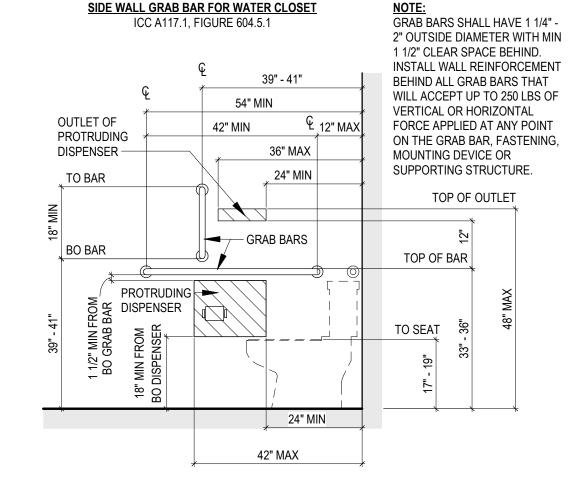
FLOOR DESIGNATION



TOILET SEAT-COVER DISPENSER,

WASTE RECEPTICAL, PAPER TOWEL

DISPENSER



ACCESSIBLE TOILET SIDE WALL

SPACE BEYOND 19" OF UNDERLAP IS NOT CONSIDERED USABLE AND NOT

WITHIN THE REACH RANGE. SOAP DISPENSERS, FAUCET CONTROLS, AND

EDGE OF THE LAVATORY COUNTER.

min

Clear

Floor

Space

2' - 6"

**VANITY PLAN** 

TO PROJECT FLOOR PLANS FOR ACTUAL LAYOUT.

MOUNTING HEIGHT REACH RANGES. (A117.1, 603.4)

**ACCESS VANITY** 

SPACE

FRONT

EDGE OF

60" MIN CLR

1. THIS PLAN IS PROVIDED TO SHOW MINIMUM REQUIRED ACCESSIBILITY CLEARANCES. REFER

2. CLEARANCE AROUND WATER CLOSET IS PERMITTED TO OVERLAP WITH THE WATER CLOSET,

GRAB BARS, DISPENSERS, RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES,

4. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE LOCATED PER THE ACCESSIBLE

6. DIAPER CHANGING TABLES SHALL BE LOCATED PER THE ACCESSIBLE MOUNTING HEIGHT

SHALL BE MOUNTED ON THE OPEN SIDE. SEE WATER CLOSET ELEVATION.

REACH RANGES, WITH WORK SURFACE AT 34" MAX AFF. (A117.1, 603.5).

5. SHELVES PROVIDED WITHIN TOILET ROOMS SHALL BE 40" - 48" AFF.

ACCESSIBLE TOILET PLAN

CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING RADIUS. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE. (A117.1, 604.3.3) 3. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS

16" MIN

/18" MAX

COUNTER

OTHER ACCESSORIES SHALL NOT BE LOCATED BEYOND 19" FROM THE FRONT

FIN.FLR.

**OPEN VANITY ELEVATION** 

SEE ACCESSIBLE

- 60" WHEELCHAIR

TURNING RADIUS

MOUNTING HEIGHTS

30" X 48" CLEAR FLOOR SPACE

CENTERED AT LAVATORY WITH

PROVIDE 30"x48" CLEAR FLOOR

WITH FIXTURE CLEARANCE OR

SPACE BEYOND THE DOOR

SWING WHEN IT OVERLAPS

TURNING RADIUS (A117.1,

603.2.2 EXCEPTION 2)

KNEE & TOE CLEARANCE.

SEE LAVATORY ELEVATION.

OUTLINE OF

CLEARANCE

TOP OF RIM OR

WHICHEVER IS

COUNTER,

HIGHER -

**OPEN VANITY SECTION** 

KNEE

SPACE

HOT WATER AND DRAINPIPES THAT ARE

INSULATED OR COVERED. NO SHARP OR

ACCESSIBLE UNDER LAVS SHALL BE

ABRASIVE SURFACE UNDER LAVS.

OUTLINE OF

CLEARANCE

**CLOSED VANITY SECTION** 

FAUCET SHALL COMPLY

MOUNTING HEIGHT REACH

INSULATE WATER SUPPLY & DRAIN PIPES TO PROTECT

FROM CONTACT. NO SHARP

OR ABRASIVE SURFACES

KNEE & TOE CLEARANCE

SHALL NOT INCLUDE THE

DIP OF THE OVERFLOW PIPE

UNDER LAVATORIES.

(A117.1, 606.6)

(A117.1, 606.2)

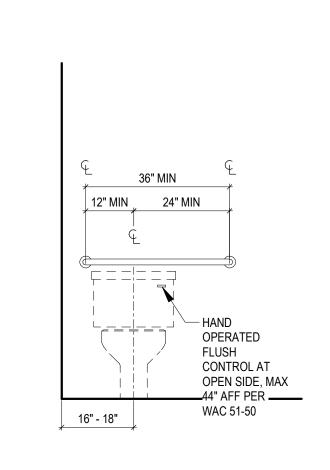
RANGE FOR PLUMBING

WITH ACCESSIBLE

**FIXTURES** 

KNEE

SPACE

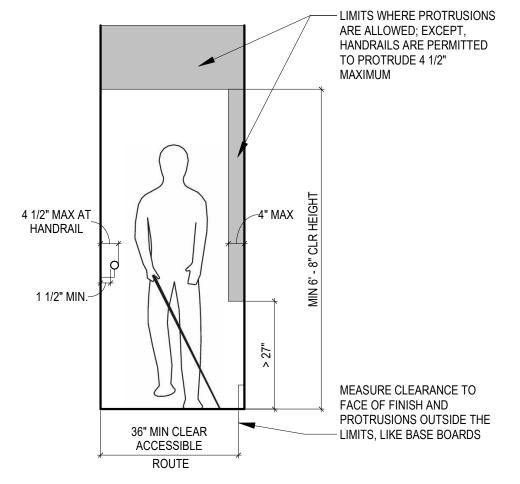


ACCESSIBLE TOILET FRONT ELEVATION

6" MAX TOE

CLEARANCE

ACCESSIBLE LAVATORY CLEARANCES



LIMITS OF PROTRUDING OBJECTS

25" MAX

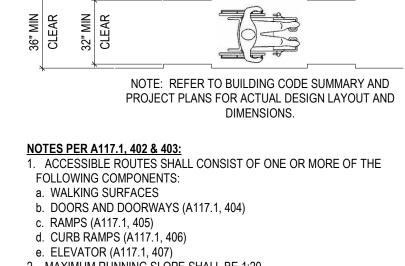
TOE CLEARANCE

ALLOWABLE HEIGHT

OPERABLE PARTS, SWITCHES,

OUTLETS & CONTROLS

(A117.1, 309.3)



MAXIMUM RUNNING SLOPE SHALL BE 1:20.

- 3. MAXIMUM CROSS SLOPE SHALL BE 1:48 4. CHANGES IN LEVEL GREATER THAN 1/4", BUT NOT MORE THAN 1/2" SHALL BE BEVELED WITH MAX 1:2 SLOPE 5. CHANGES IN LEVEL GREATER THAN 1/2" SHALL FOLLOW
- REQUIREMENTS FOR A RAMP PER A117.1, 405. 6. SEE DETAIL FOR LIMITS OF PROTRUDING OBJECTS.

DF-1

DRINKING FOUNTAINS

AT LEAST 50% BUT NOT

LESS THAN 1 FOUNTAIN

(A117.1, 602.4)

Reach Range:

**FORWARD REACH:** 

UNOBSTRUCTED: 48" MAX, 15" MIN

REACH DEPTH IS 20-25": 44" MAX

MAX REACH DEPTH: 25"

SIDE REACH (PARALLEL APPROACH):

OBSTRUCTED BY 34" HIGH MAX OBJECT:

MAX REACH DEPTH: 24"

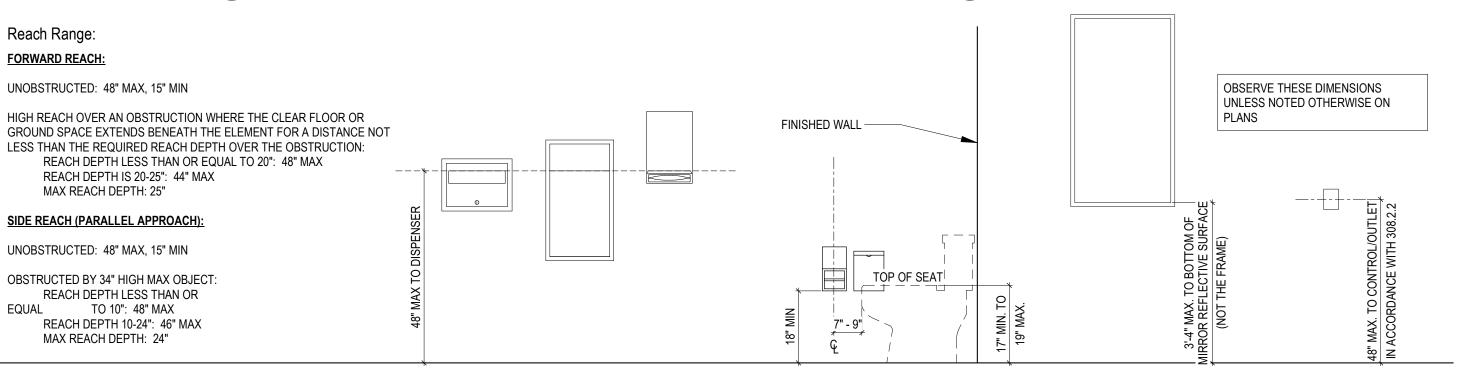
REACH DEPTH LESS THAN OR

REACH DEPTH 10-24": 46" MAX

TO 10": 48" MAX

UNOBSTRUCTED: 48" MAX, 15" MIN





TOILET PAPER DISPENSER TOILET SANITARY NAPKIN DISPENSER (A117.1, 604.7 - WAC 51-50, 1101.2.7)

MIRROR (A117.1, 604.4) (A117.1, 603.3)

**AUTO DOOR SWITCH** (A117.1, 404.3.5)

**GENERAL NOTES** 

THE FOLLOWING CODE EDITIONS:

2009 ICC A117.1

2015 WAC 51-50

SHOWN ELSEWHERE.

LAYOUT AND DIMENSIONS.

UNLESS OTHERWISE NOTED.

4. INSTALL ALL COMPONENTS PER THE

2015 IBC

1. ACCESSIBILITY REQUIREMENTS ARE BASED ON

2. ALL INFORMATION ON THIS SHEET ARE GENERIC

REQUIREMENTS. REFER TO PROJECT FLOOR PLANS

AND INTERIOR ELEVATIONS FOR ACTUAL DESIGN

3. ALL DIMENSIONS SHOWN ARE CLEAR TO FINISH,

DIMENSIONS ON THIS SHEET, UNLESS OTHERWISE

PARKING RELATED ACCESSIBILITY REQUIREMENTS.

5. REFER TO CIVIL DRAWINGS FOR SITE AND

**ACCESSIBILITY MOUNTING HEIGHTS** 

DIAPER CHANGING STATION

(A117.1, 603.5)

1/2" = 1'-0"

BACKGROUND PER FEDERAL STANDARDS **ACCESSIBILITY SYMBOL** 

INTERNATIONAL SYMBOL OF ACCESSIBILITY (ICC A117.1, 703.6.3.1)

WHITE FIGURE ON BLUE

			OCCUPANT	LOAD CHART			
	ROOM INFORMATION			IBC 2015 TABLE 1004.1.2 M/ ALLOWANCES PER		RAREA	
NUMB ER	NAME	AREA	OCCUPANCY CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/N ET	OCCUPANT LOAD
BASEMI							
B101	ENTRY VESTIBULE	80 SF	В	BUSINESS AREA		GROSS	1
B102	MEETING SPACE	1,970 SF	В	VOCATIONAL TRAINING	50 SF		40
B103	OFFICE	107 SF	В	BUSINESS AREA		GROSS	2
3104	WORKROOM	219 SF	В	BUSINESS AREA		GROSS	3
B105	RESTROOM	65 SF	В	BUSINESS AREA		GROSS	1
B106	RESTROOM	65 SF	В	BUSINESS AREA		GROSS	1
B107	UTILITY	47 SF	В	ACCESSORY (EQUIPMENT ROOM)		GROSS	1
3108	UTILITY	132 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
LEVEL 1		2,684 SF					50
100	VESTIBULE	152 SF	A-3	LIBRARY (READING ROOM)	50 SF	GROSS	4
101	LOBBY	655 SF	A-3	LIBRARY (READING ROOM)		GROSS	14
103	WOMEN	187 SF	A-3	LIBRARY (READING ROOM)		GROSS	4
104	HALL	239 SF	A-3	LIBRARY (READING ROOM)		GROSS	5
105	MEN	183 SF	A-3	LIBRARY (READING ROOM)		GROSS	4
106	STOR	52 SF	S-1	ACCESSORY (STORAGE)		GROSS	1
107	READING/ MEETING ROOM	1,102 SF	A-3	UNCONCENTRATED	15 SF		74
108	UNISEX	60 SF	A-3	ACCESSORY	100 SF		1
09	CAFE	102 SF	В	BUSINESS AREA		GROSS	2
111	STUDY	60 SF	A-3	LIBRARY (READING ROOM)		GROSS	2
112	STUDY	61 SF	A-3	LIBRARY (READING ROOM)		GROSS	2
116	LIBRARY STACKS	5,731 SF	A-3	LIBRARY (STACKS)		GROSS	58
121	PH BOOTH	15 SF	A-3	LIBRARY (READING ROOM)	50 SF		1
122	PH BOOTH	17 SF	A-3	LIBRARY (READING ROOM)	50 SF		1
123	WORK ROOM	256 SF	В	BUSINESS AREA		GROSS	3
123	STUDY	69 SF	A-3	LIBRARY (READING ROOM)	50 SF	+	2
125	STUDY	72 SF	A-3	LIBRARY (READING ROOM)	50 SF		2
126	STORAGE	77 SF	A-3	, , ,	300 SF		1
120	WORK ROOM	499 SF	A-3 B	ACCESSORY (STORAGE) BUSINESS AREA		GROSS	
129	FIRE SPRINKLER	12 SF	В	ACCESSORY (EQUIPMENT		GROSS	5 1
130	JAN	10 SF	В	ROOM)  ACCESSORY (EQUIPMENT	100 SF	GROSS	1
131	RESTROOM	73 SF	В	ROOM) BUSINESS AREA	100 00	GROSS	1
132	OFFICE	112 SF	В	BUSINESS AREA		GROSS	2
133	OFFICE	112 SF 125 SF	В	BUSINESS AREA		GROSS	2
134	OPEN OFFICE	735 SF	В	BUSINESS AREA		GROSS	8
135	BREAK ROOM	416 SF	В	BUSINESS AREA		GROSS	5
136	JAN STORAGE	231 SF	В	ACCESSORY (STORAGE)		GROSS	1
137	CORR	82 SF	В	BUSINESS AREA		GROSS	1
138	JANITOR	35 SF	В	BUSINESS AREA		GROSS	1
40	STORAGE	172 SF	S-1	STORAGE		GROSS	1
140 141	STORAGE	1,279 SF	S-1	STORAGE		GROSS	5
141 142		· ·					1
142 143	STORAGE STORAGE	135 SF 354 SF	S-1 S-1	STORAGE STORAGE		GROSS	2
						GROSS	
144	STORAGE	143 SF	S-1	STORAGE BUSINESS AREA		GROSS	1
146	MEN	53 SF	A-3	BUSINESS AREA		GROSS	1
147 148	WOMEN ELEV ROOM	49 SF 75 SF	A-3 B	BUSINESS AREA  ACCESSORY (EQUIPMENT		GROSS GROSS	1
040		450.05	<b>D</b>	ROOM)	400.05	ODOOO	
243	HALL	150 SF	В	BUSINESS AREA	100 SF	GROSS	2

ACCESSORY (STORAGE)

A-108 STOR

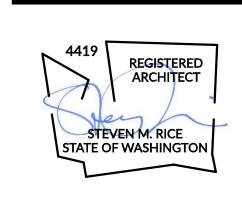
	ROOM INFORMATIO	)N		IBC 2015 TABLE 1004.1.2 MAX ALLOWANCES PER		AREA	
NUMB ER	NAME	AREA	OCCUPANCY CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/N ET	OCCUPAN' LOAD
LEVEL 2	2						
201	HALL	896 SF	A-3	ASSEMBLY EXHIBIT GALLERY	30 SF	NET	30
202	MEETING	1,143 SF	A-3	UNCONCENTRATED	15 SF	NET	77
203	STORAGE	65 SF	S-1	ACCESSORY (STORAGE)	300 SF	GROSS	1
204	CONF	366 SF	A-3	UNCONCENTRATED	15 SF	NET	25
205	ELECTRICAL	50 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
206	ELEV ROOM	86 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
207	OFFICE	245 SF	В	BUSINESS AREA	100 SF	GROSS	3
208	OFFICE	232 SF	В	BUSINESS AREA		GROSS	3
209	HALL	251 SF	В	BUSINESS AREA		GROSS	3
210	RECEPTION	66 SF	В	BUSINESS AREA		GROSS	1
211	OPEN OFFICE	1,298 SF	В	BUSINESS AREA		GROSS	13
212	OFFICE	1,230 Si	В	BUSINESS AREA		GROSS	2
213	OFFICE	120 SF	В	BUSINESS AREA		GROSS	2
214	OFFICE	142 SF	В	BUSINESS AREA	_	GROSS	2
215	MTG	143 SF	В	BUSINESS AREA		GROSS	2
216	MTG	271 SF	В	UNCONCENTRATED	15 SF		19
219	OFFICE	137 SF	В	BUSINESS AREA		GROSS	2
220	OFFICE	137 SF	В	BUSINESS AREA		GROSS	2
221	OFFICE	109 SF	В	BUSINESS AREA	100 SF	GROSS	2
222	OFFICE	110 SF	В	BUSINESS AREA	100 SF	GROSS	2
223	OFFICE	130 SF	В	BUSINESS AREA	100 SF	GROSS	2
224	MEETING	235 SF	A-3	UNCONCENTRATED	15 SF	GROSS	16
225	MDF	72 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
226	HALL	733 SF	В	BUSINESS AREA	100 SF	GROSS	8
227	OFFICE	105 SF	В	BUSINESS AREA	100 SF	GROSS	2
228	OPEN OFFICE	406 SF	В	BUSINESS AREA		GROSS	5
230	BREAK ROOM	412 SF	В	KITCHEN		GROSS	5
231	MEN	156 SF	В	BUSINESS AREA		GROSS	2
232	WOMEN	152 SF	В	BUSINESS AREA		GROSS	2
233	ROOF ACCESS	40 SF	В	ACCESSORY (EQUIPMENT ROOM)	_	GROSS	1
234	JANITOR	36 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
235	STORAGE	366 SF	В	STORAGE	300 SE	GROSS	2
236	STORAGE	418 SF	В	STORAGE		GROSS	2
237	PRACTICE	190 SF	S-1	STORAGE	_	GROSS	1
238	PRACTICE	71 SF	S-1	STORAGE		GROSS	1
230 239	PRACTICE	67 SF	S-1	STORAGE		GROSS	1
							•
240	HALL	297 SF	S-1	STORAGE		GROSS	1
241	PRACTICE OPEN OFFICE	59 SF	S-1	STORAGE		GROSS	1
242	OPEN OFFICE	1,234 SF	В	BUSINESS AREA	_	GROSS	13
242 243	PRACTICE JANITOR	68 SF 46 SF	S-1 B	STORAGE  ACCESSORY (EQUIPMENT	_	GROSS GROSS	1
244	OFFICE	400.05	D	ROOM)	400.05	CDCCC	0
244	OFFICE	130 SF	В	BUSINESS AREA		GROSS	2
245	OFFICE	97 SF	В	BUSINESS AREA		GROSS	1
246	MEETING ROOM	2,096 SF	A-3	COMMUNITY HALL	15 SF		140
250	MDF	70 SF	В	ACCESSORY (EQUIPMENT ROOM)		GROSS	1
251	WAITING	139 SF	В	BUSINESS AREA	100 SF	GROSS	2

	ROOM INFORMATIO	N		IBC 2015 TABLE 1004.1.2 M/ ALLOWANCES PER		AREA	
NUMB ER	NAME	AREA	OCCUPANCY CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/N ET	OCCUPANT LOAD
LEVEL 3	3				'		
301	MEETING ROOM	1,468 SF	A-3	COMMUNITY HALL	15 SF	GROSS	98
302	HALL	85 SF	В	BUSINESS	100 SF	GROSS	1
303	CUSTODIAN	112 SF	В	ACCESSORY (EQUIPMENT ROOM)	300 SF	GROSS	1
304	OFFICE	145 SF	В	BUSINESS AREA	100 SF	GROSS	2
305	PRACTICE	77 SF	S-1	STORAGE	300 SF	GROSS	1
306	PRACTICE	57 SF	S-1	STORAGE	300 SF	GROSS	1
		1,944 SF		-	<u>'</u>		104

# ARCHITECTURE INTERIORS PLANNING VIZLAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



0 0 0 0	1 HOUR FIRE PARTITION ()	>	PATH OF EGRESS TRAVEL
	1 HOUR FIRE BARRIER		
-Ø→	EXIT SIGN		EXIT ACCESS OCCUPANT LOAD
•	1.	23	EXIT DISCHARGE OCCUPANT LOAD
	FIRE EXTINGUISHER CABINET		
$\geq$			ALTERNATE SCOPE AREA
45 MIN	DOOR FIRE RATING		
OOM NAME			
0000	ROOM TAG W/ OCCUPANT LOAD COUNT		



# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

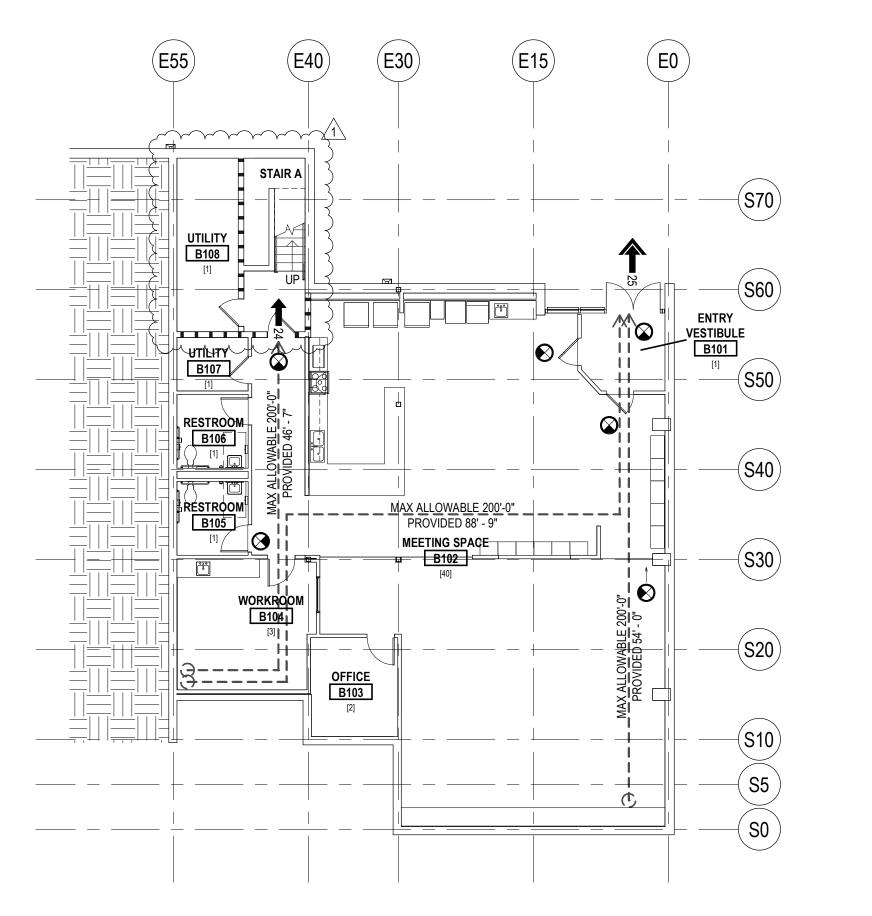
PROJECT#

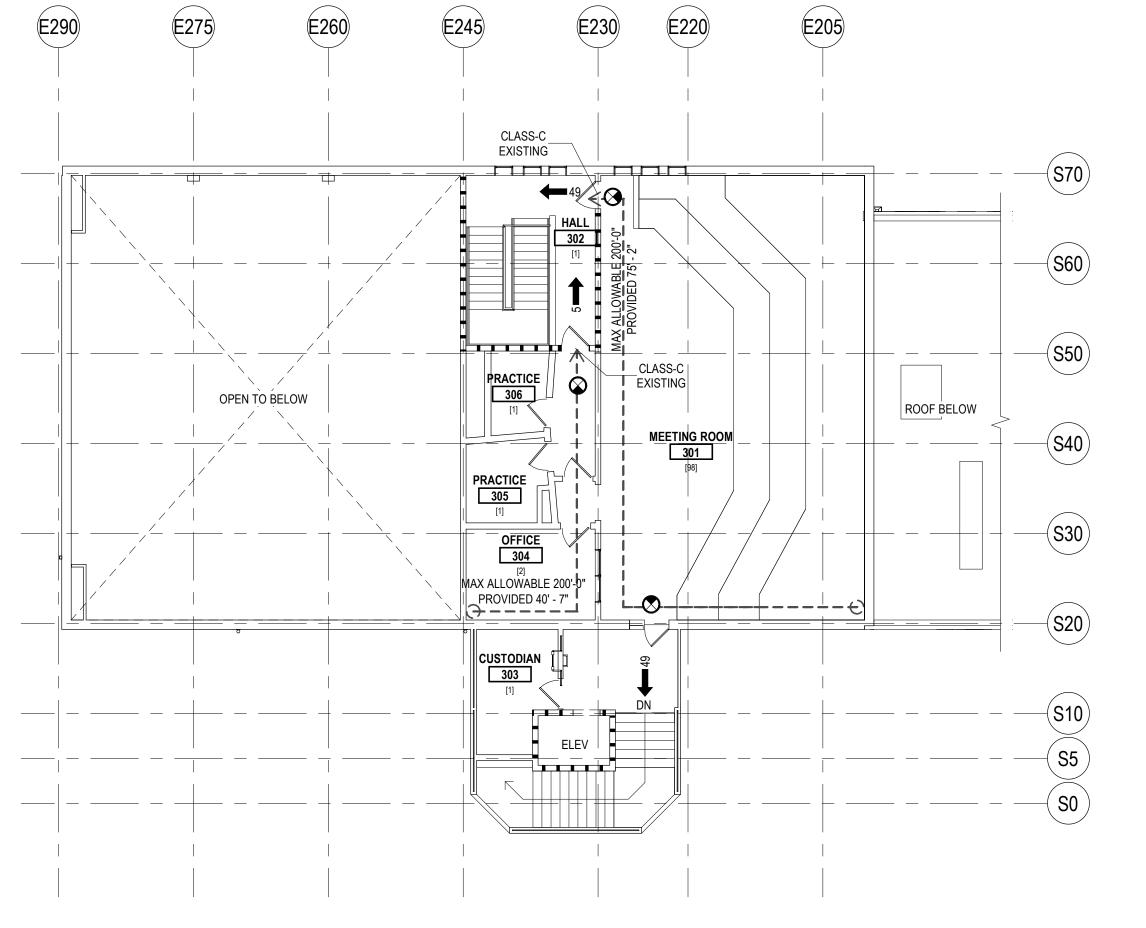
PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE
Permit Review Responses

2018048.03





BASEMENT - LIFE SAFETY PLAN

3/32" = 1'-0"

2 LEVEL 3 - LIFE SAFETY PLAN
3/32" = 1'-0"

**A01.01** 

LIFE SAFETY PLANS -

**BASEMENT AND** 

LEVEL 3

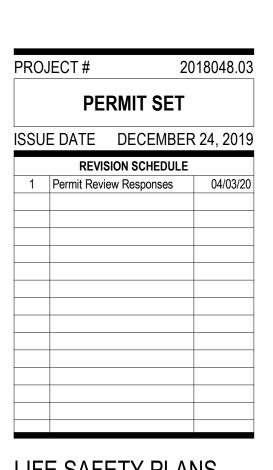


275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

REGISTERED ARCHITECT

STEVEN M. RICE STATE OF WASHINGTON

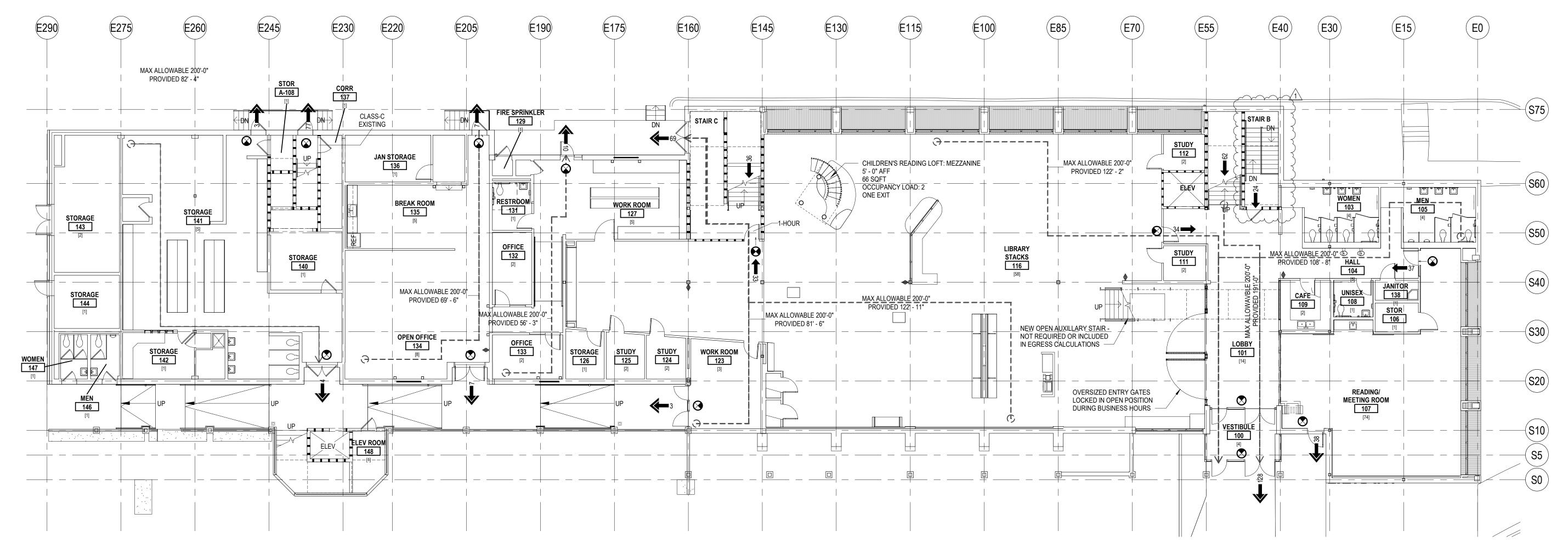
360-377-8773 RFMARCH.COM

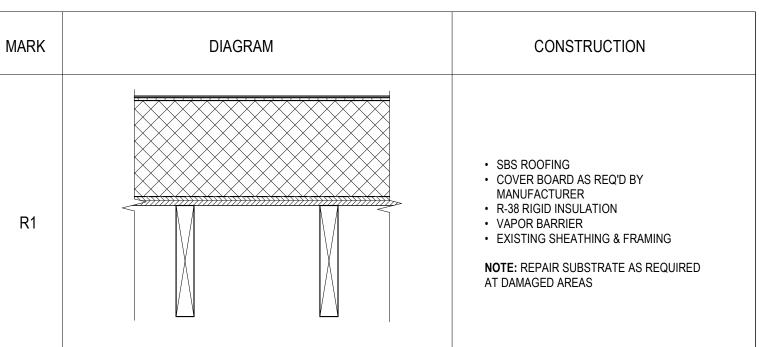


LIFE SAFETY PLANS -LEVEL 1 AND LEVEL 2

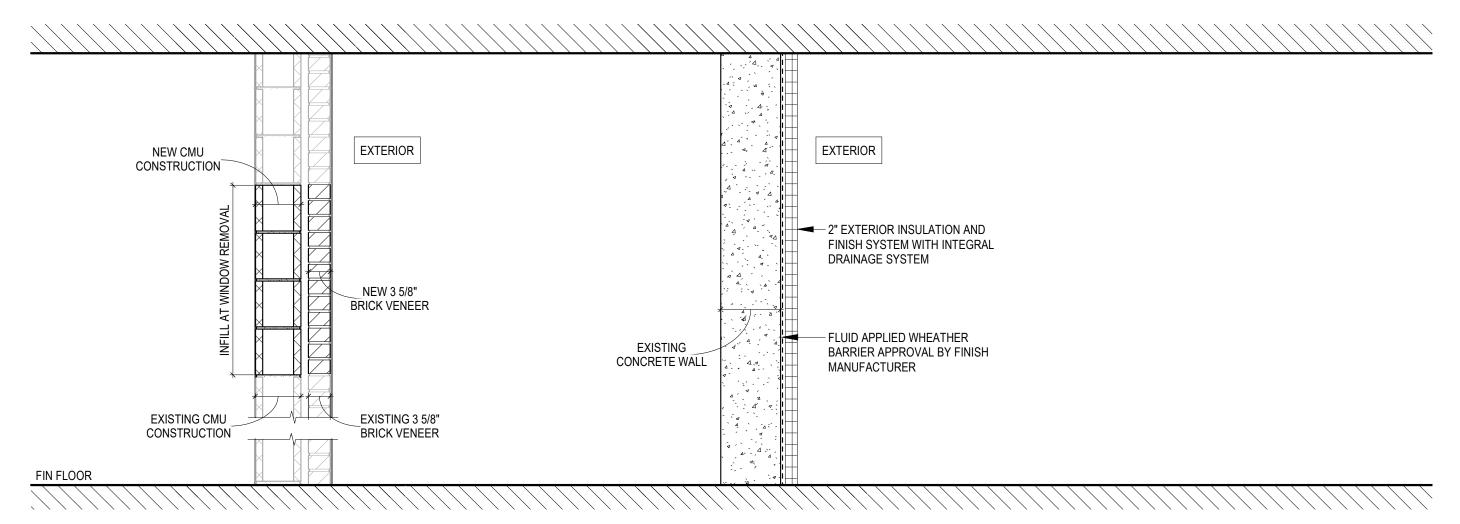
SHEET#

A01.02

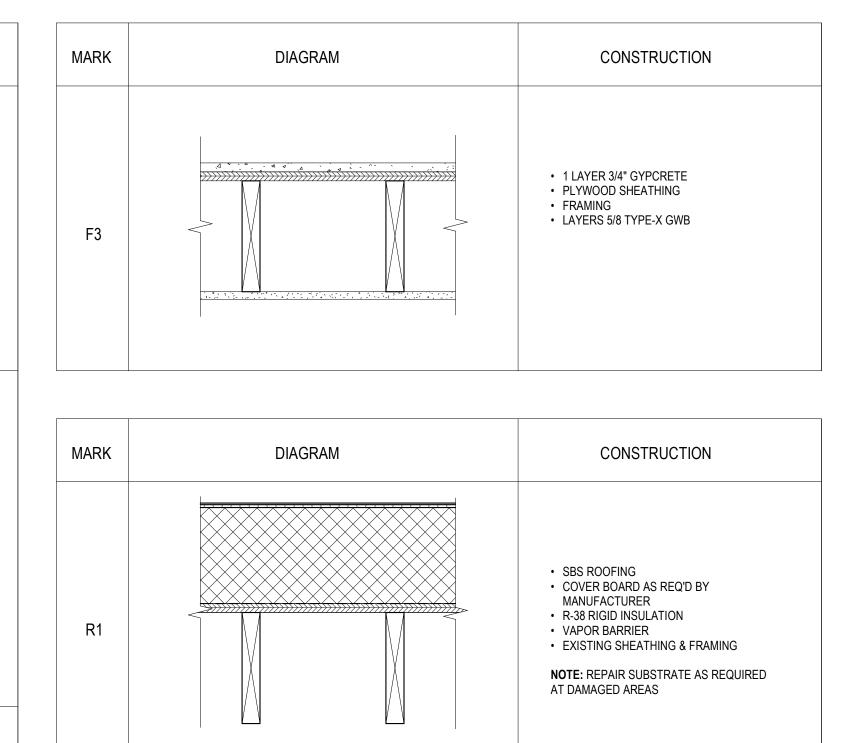




# 1 1/2" = 1'-0"



\ EXTERIOR WALL ASSEMBLIES



# WALL ASSEMBLY LEGEND ARCHITECTURE INTERIORS PLANNING VIZLAB • E = EXTERIOR FRAMING AS NOTED IN SECTION M = INTERIOR METAL FRAMING 275 FIFTH STREET, SUITE 100 W = INTERIOR WOOD FRAMING BREMERTON, WA 98337 C = CONCRETE/ MASONRY 360-377-8773 2-DIGIT ASSEMBLY NUMBER RFMARCH.COM SEE ASSEMBLY SECTION FOR WALL CONSTRUCTION - STUD SIZE/ THICKNESS CONCRETE/ MASONRY • A = 1-5/8" • S = PER STRUCTURAL B = 2-1/2" • C = 3-5/8" D = 4" E = 6" F = 8" RATING SOURCE STC BATT SAMPLE WALL TAG — W## FB 1 HR GA @@#### 00-99 INSULATION TYPE AS INDICATED IN FLOOR PLAN SOUND RATING - RATED SYSTEM SOURCE • GA = GYPSUM ASSOCIATION IBC = INTERNATIONAL BUILDING CODE TABLE 721.1 UL = UNDERWRITERS LABORATORIES REGISTERED - FIRE/SMOKE RATING ARCHITECT • CP = COLUMN PROTECTION • EW = EXTERIOR WALL STEVEN M. RICE FW = FIRE WALL STATE OF WASHINGTON FB = FIRE BARRIER FP = FIRE PARTITION • SB = SMOKE BARRIER SP = SMOKE PARTITION (SEE IBC CHAPTER 7) CONTRACTOR SHALL TERMINATE FIRE RATED ASSEMBLIES AS DESCRIBED BELOW: **EXTERIOR WALLS PER IBC 705** 1. FIRE SEPARATION >10 FT: RATED FOR FIRE EXPOSURE FROM INSIDE 2. FIRE SEPARATION <10 FT: RATED FOR FIRE EXPOSURE FROM BOTH SIDES

FIRE BARRIERS PER IBC 707

**HORIZONTAL:** VOIDS AT THE INTERSECTION OF A FIRE BARRIER AND A NON-FIRE RATED EXTERIOR WALL ASSEMBLY SHALL BE FILLED WITH A MATERIAL OR SYSTEM APPROVED BY THE JURISDICTION. TESTED ASSEMBLY NOT REQUIRED AT THIS LOCATION.

1. FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK ABOVE AND SECURELY ATTACHED THERETO. 2. FIRE BARRIERS AROUND SHAFT, EXIT STAIRWAY AND RAMP ENCLOSURES THAT DO NOT EXTEND TO UNDERSIDE OF ROOF DECK SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION AT MINIMUM FIRE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHAFT AND THE FIRE RATING OF THE SHAFT ENCLOSURE.

HORIZONTAL ASSEMBLIES PER IBC 711 VERTICAL OPENINGS NOT ALLOWED EXCEPT WHEN CONSTRUCTED AS A SHAFT ENCLOSURE OR

PROTECTED PENETRATIONS AND JOINTS PER IBC 712.

FIREBLOCKING PER IBC 718.2

FIREBLOCKING MATERIALS (I.E. 2X LUMBER, 1/2" GYPSUM BOARD, SECURED BATT INSULATION AND OTHER MATERIALS LISTED IN IBC 718.2.1) SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED SPACES TO FORM AN EFFECTIVE BARRIER BETWEEN FLOORS AND BETWEEN TOP STORY AND ROOF ATTICS. THE FOLLOWING ARE

THE MINIMUM REQUIRED LOCATIONS

1. CONCEALED WALL SPACES A. VERTICALLY AT THE CEILING AND FLOOR LEVELS

B. HORIZONTALLY AT 10 FT MAXIMUM INTERVALS

2. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES 3. CONCEALED SPACES AT THE TOP AND BOTTOM OF THE RUN OF STAIR STRINGERS

4. ANNULAR SPACE AROUND PENETRATING COMPONENTS IN CEILING AND FLOOR OPENINGS 5. CONCEALED SPACES OF EXTERIOR COMBUSTIBLE WALL COVERINGS AT MAXIMUM 20 FT INTERVALS IN EITHER DIRECTION AND MAXIMUM 100 SF BETWEEN FIREBLOCKING. (SEE IBC 718.2.6 FOR

6. CONCEALED SLEEPER SPACES AT MAXIMUM 100 SF

DRAFTSTOPPING PER IBC 718.3 & 718.4

DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS SPRINKLERED THROUGHOUT PER NFPA 13.

# RENOVATION KRL BUIL 900

PROJECT#

1 Revision 1

**ASSEMBLY** 

SHEET#

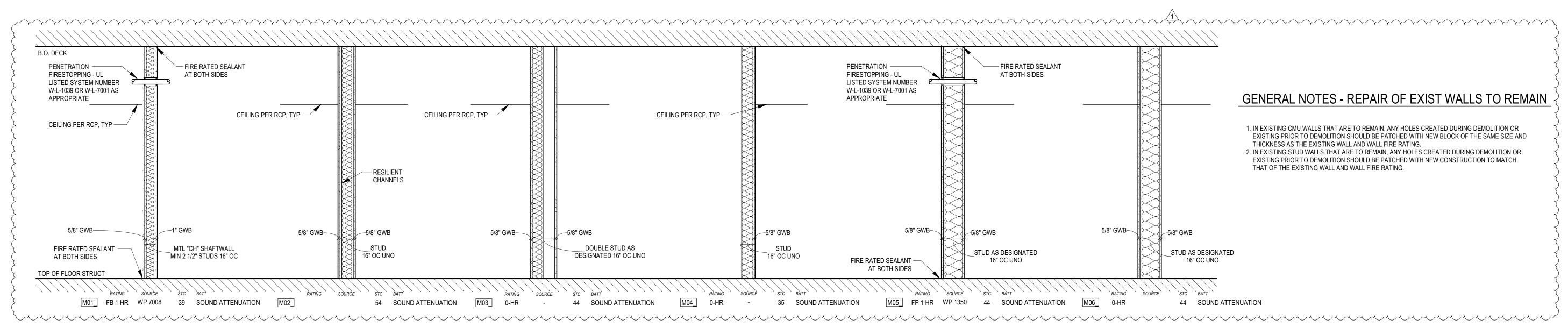
**SCHEDULES** 

**PERMIT SET** 

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

2018048.03



INTERIOR WALL ASSEMBLIES

# GENERAL NOTES - SITE PLAN

1. SEE CIVIL AND LANDSCAPE DRAWINGS FOR CLEAR SCOPE OF SITE

2. SEE CIVIL DRAWINGS FOR SITE GRADING, SITE IMPROVEMENTS, CONCRETE STEM WALLS AND DETAILS.
3. SEE CIVIL DRAWINGS FOR EXTENT OF PAVEMENT CUTTING AND

PATCHING. 4. SEE CIVIL FOR PAVING DIMENSIONS AND DETAILS.
5. SEE LANDSCAPE DRAWINGS FOR PLANTING AND SPRINKLER

INFORMATION. 6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CONNECTIONS
TO EXISTING UTILITIES.
7. SEE ARCHITECTURAL DEMOLITION PLAN FOR ADDITIONAL SITE

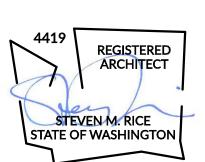
DEMOLITION INFORMATION.
8. SEE STRUCTURAL DRAWINGS FOR CONCRETE RETAINING WALL DETAILS.

**KEY NOTES - SITE PLAN** 

NOTE DESCRIPTION

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# 900 BUILDING

PROJECT# 2018048.03 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

ARCHITECTURAL SITE <u>PLAN</u>

SHEET#

A10.02

1 LIBRARY BOOKDROP OFCI 2 NEW CURB 4 EXISTING FIRE HYDRANT 5 2' RETAINING WALL WITH NEW CUSTOM MEMORIAL TILES 6 NEW STEEL GUARDRAIL 7 REPLACED FIRE HYDRANT 8 FIRE APPARATUS TURN AROUND 9 EXISTING ROCKERY TO REMAIN 10 EXTENTS OF PREVIOUS PARKING LANDSACAPING BED 11 WHEELSTOPS TYP 12 EXISTING DUMPSTER SCREEN WALL 14 RENOVATION TO EXISTING LANDSCAPE AREA - SEE LANDSCAPE 15 NEW EXTERIOR LIGHTING, SEE ELECT. 16 EXISTING EXTERIOR STAIRS 17 COVERED BICYLCE RACKS, 18 STALLS 18 GRAVELED AREA 19 FUTURE CONCRETE PLAZA, WALK AND TIERED SEATING

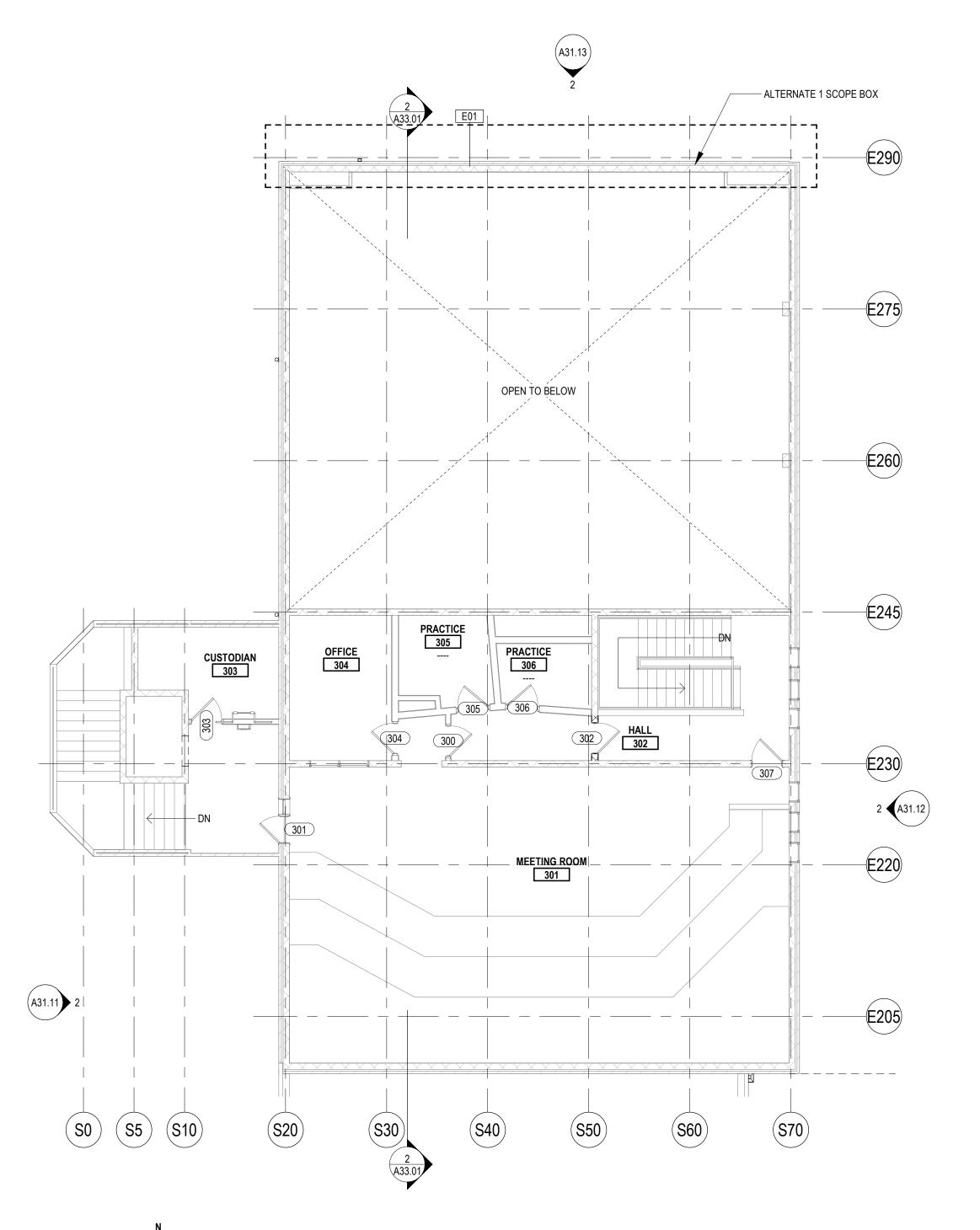
**NEW PAVED AREAS** 

NEW CONCRETE SIDEWALK NEW GRAVELED AREA

NEW LANDSCAPED AREA, SEE

NEW LIGHT POST, SEE ELECTRICAL

LEGEND - SITE PLAN



LEVEL 3 FLOOR PLAN

1/8" = 1'-0"

Permit Number: 19-05911

# **KEY NOTES - FLOOR PLAN** NOTE DESCRIPTION 1 BASE AND WALL CABINETS 2 UNDERMOUNT DOUBLE COMPARTMENT SINK - PROVIDE HOT AND COLD WATER AND WASTE 3 UNDERMOUNT SINGLE COMPARTMENT SINK 4 PROVIDE ACCESSIBLE FIXTURES AND ACCESSORIES INCLUDING GRAB BARS, TOILET PAPER DISPENSER, PAPER TOWEL DISPENSER AND MIRROR 5 WALL OPENING WITH SOLID SURFACE JAMB AND HEAD 6 OPEN SHELVING ABOVE 7 CENTER SHEAR WALL ON GRID; SEE STRUCTURAL DRAWINGS FOR INFORMATION 8 PROVIDE NEW PLUMBING FIXTURES, TOILET PARTITIONS, AND ACCESSORIES. SEE ENLARGED PLNAS AND ELEVATIONS. 9 SEE STRUCTURAL DRAWINGS FOR NEW BRACED FRAME LOCATION AND INFORMATION 10 PROVIDE ACCESSIBLE HANDRAIL, SEE DETAILS 11 LEVEL FLOOR IN PREVIOUS KITCHEN AREA DOOR LOCK SET. CEILING GRID TO REMAIN. 13 SWINGING ACCESS CONTROL GATE 15 SELF CHECK-OUT STATIONS 17 PUBLIC CATALOG COMPUTER 18 BUILT IN BENCH 19 SWINGING SECURITY GATE 22 RAISED STAGE WITH UPPER CHILDRENS PLAY PLATFORM ACCESSED VIA STAIRS 23 POWER AND DATA FLOOR BOXES, SEE ELECTRICAL 24 NEW DOWNSPOUT REROUTED FROM EXISTING ABOVE 25 OFOI STORAGE CUBBIES

27 NEW OPENING IN EXISTING WALL WITH NEW STEP UP

30 NEW DOWNSPOUT THROUGH COVERED WALK

28 5/8" GWB APPLIED OVER EXISTING PLASTER WALL FINISH

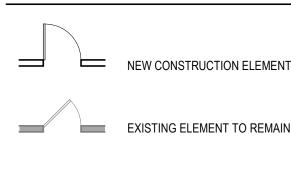
# 12 ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT TILES, CARPET, LIGHT FIXTURES AND 14 ADD CAGE AT ROOF ACCESS LADDER AND EXTENTION LADDER HANDLE AT ROOF ACCESS DOOR 26 INTERNAL BOOK DROP

29 WALL MOUNTED DRINKING FOUNTAINS, SEE A00.05 ACCESSIBILITY DETAILS FOR MOUNTING

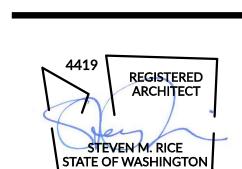
# GENERAL NOTES - FLOOR PLAN

- 1. SEE FLOOR PLAN AND DOOR SCHEDULE FOR SIZE AND LOCATION OF NEW DOORS IN EXISTING
- 2. SEE CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL ITEMS NOT SPECIFICALLY SHOWN ON THIS DRAWING.
- 3. CONTRACTOR TO COORDINATE TURNOVER OF ANY SALVAGEABLE ITEMS WITH OWNER PRIOR TO DEMOLITION. 4. PATCH/REPAIR EXISTING FINISHES THAT ARE ADJACENT TO DEMO WORK.
- 5. REMOVE AND TURN OVER ALL ARTWORK TO OWNER. 6. CONTRACTOR TO MAINTAIN AND PROTECT IN PLACE ALL EXISTING FIRE LIFE SAFETY DEVICES.
- NOTIFY ARCHITECT OF ANY CONFLICTS WITH NEW WORK/ FINISHES. 7. CONTRACTOR TO MAINTAIN INTEGRITY AND CONTINUITY OF EXISTING FIRE RATED ASSEMBLIES.
- 8. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY
- 9. CONTRACTOR TO MAINTAIN AND PROTECT EXISTING FINISHES, FLOORING AND CEILINGS TO REMAIN.
- 10. FIELD CONFIRM ALL DIMENSIONS AND REPORT ANY DISPREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION. 11. DIMENSIONS SHOWN ARE TO GRID LINES, FACE OF DMU, OR FACE OF STUD. WHERE
- DIMENSIONING TO EXISTING WALL THE DIMENSION IS TO FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSIONS TO OPENINGS ARE MEASURED TO THE CENTERLINE OF THE OPENING IN FRAMED CONSTRUCTION AND ROUGH OPENING IN CMU. 12. REFER TO STRUCTURAL DRAWINGS AND ASSEMBLIES FOR SHEAR WALL INFORMATION.
- 13. ALL DOORS NOT DIMENSIONED ARE LOCATED AT 4 1/2" TO AN INTERSECTING WALL OR CENTERED ON WALL.
- 14. SEE FINISH INFORMATION SHEET A72.01 FOR ADDITIONAL FINISH INFORMATION. 15. ALL ALTERNATE AREAS HAVE NO ARCHITECTURAL SCOPE IN BASE BID. SEE CONSULTANT SHEETS FOR BASE BID SCOPE IN THESE AREAS.

# LEGEND - FLOOR PLAN



ALTERNATE SCOPE AREA



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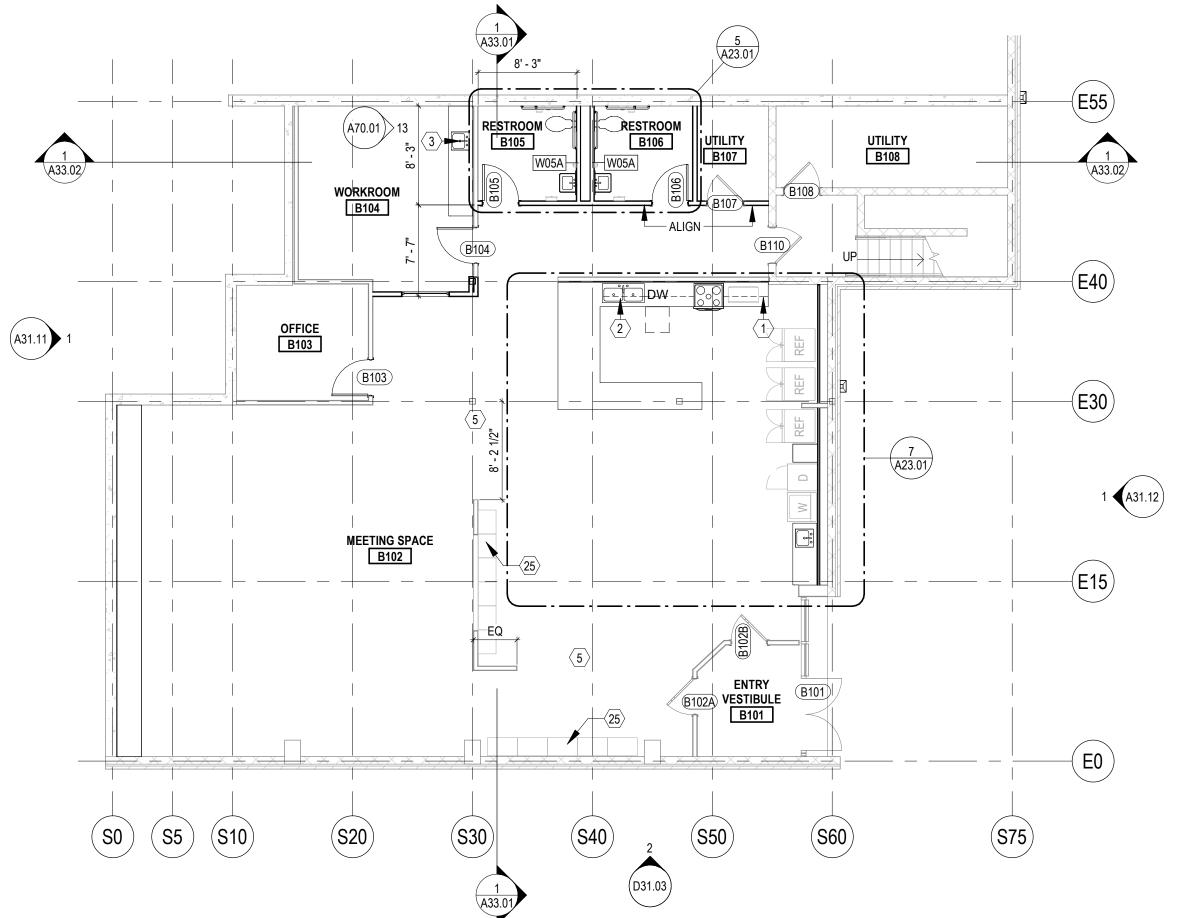
BREMERTON, WA 98337

360-377-8773

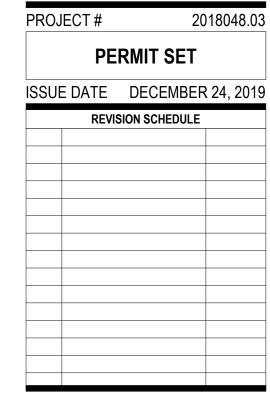
RFMARCH.COM



# RENOVATION SD/ 900 BUILDING

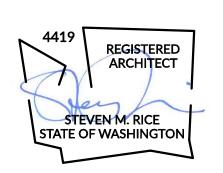






FLOOR PLAN -BASEMENT AND LEVEL 3

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# RENOVATION **CKSD** BUILDING 3700 NW SILVEI 900

PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** FLOOR PLAN - LEVEL 1

# GENERAL NOTES - FLOOR PLAN

- 1. SEE FLOOR PLAN AND DOOR SCHEDULE FOR SIZE AND LOCATION OF NEW DOORS IN EXISTING
- 2. SEE CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR
- ADDITIONAL ITEMS NOT SPECIFICALLY SHOWN ON THIS DRAWING. 3. CONTRACTOR TO COORDINATE TURNOVER OF ANY SALVAGEABLE ITEMS WITH OWNER PRIOR TO
- 4. PATCH/REPAIR EXISTING FINISHES THAT ARE ADJACENT TO DEMO WORK.
- 5. REMOVE AND TURN OVER ALL ARTWORK TO OWNER.
- NOTIFY ARCHITECT OF ANY CONFLICTS WITH NEW WORK/ FINISHES.
- 7. CONTRACTOR TO MAINTAIN INTEGRITY AND CONTINUITY OF EXISTING FIRE RATED ASSEMBLIES. 8. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY
- 9. CONTRACTOR TO MAINTAIN AND PROTECT EXISTING FINISHES, FLOORING AND CEILINGS TO
- 10. FIELD CONFIRM ALL DIMENSIONS AND REPORT ANY DISPREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION. 11. DIMENSIONS SHOWN ARE TO GRID LINES, FACE OF DMU, OR FACE OF STUD. WHERE
- DIMENSIONING TO EXISTING WALL THE DIMENSION IS TO FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSIONS TO OPENINGS ARE MEASURED TO THE CENTERLINE OF THE OPENING IN FRAMED CONSTRUCTION AND ROUGH OPENING IN CMU.
- 12. REFER TO STRUCTURAL DRAWINGS AND ASSEMBLIES FOR SHEAR WALL INFORMATION. 13. ALL DOORS NOT DIMENSIONED ARE LOCATED AT 4 1/2" TO AN INTERSECTING WALL OR CENTERED ON WALL.
- 14. SEE FINISH INFORMATION SHEET A72.01 FOR ADDITIONAL FINISH INFORMATION.
- 15. ALL ALTERNATE AREAS HAVE NO ARCHITECTURAL SCOPE IN BASE BID. SEE CONSULTANT SHEETS FOR BASE BID SCOPE IN THESE AREAS.

ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

REGISTERED

ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100

BREMERTON, WA 98337

360-377-8773 RFMARCH.COM

# LEGEND - FLOOR PLAN

NEW CONSTRUCTION ELEMENT EXISTING ELEMENT TO REMAIN

ALTERNATE SCOPE AREA

# NOTE DESCRIPTION

BASE AND WALL CABINETS UNDERMOUNT DOUBLE COMPARTMENT SINK - PROVIDE HOT AND COLD WATER AND WASTE

UNDERMOUNT SINGLE COMPARTMENT SINK PROVIDE ACCESSIBLE FIXTURES AND ACCESSORIES INCLUDING GRAB BARS, TOILET PAPER

**KEY NOTES - FLOOR PLAN** 

DISPENSER, PAPER TOWEL DISPENSER AND MIRROR WALL OPENING WITH SOLID SURFACE JAMB AND HEAD

OPEN SHELVING ABOVE CENTER SHEAR WALL ON GRID; SEE STRUCTURAL DRAWINGS FOR INFORMATION

PROVIDE NEW PLUMBING FIXTURES, TOILET PARTITIONS, AND ACCESSORIES. SEE ENLARGED

PLNAS AND ELEVATIONS. SEE STRUCTURAL DRAWINGS FOR NEW BRACED FRAME LOCATION AND INFORMATION

LEVEL FLOOR IN PREVIOUS KITCHEN AREA ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT TILES, CARPET, LIGHT FIXTURES AND

DOOR LOCK SET. CEILING GRID TO REMAIN. 13 SWINGING ACCESS CONTROL GATE

14 ADD CAGE AT ROOF ACCESS LADDER AND EXTENTION LADDER HANDLE AT ROOF ACCESS DOOR

15 SELF CHECK-OUT STATIONS

17 PUBLIC CATALOG COMPUTER 18 BUILT IN BENCH

19 SWINGING SECURITY GATE

RAISED STAGE WITH UPPER CHILDRENS PLAY PLATFORM ACCESSED VIA STAIRS POWER AND DATA FLOOR BOXES, SEE ELECTRICAL

24 NEW DOWNSPOUT REROUTED FROM EXISTING ABOVE

25 OFOI STORAGE CUBBIES 26 INTERNAL BOOK DROP

NEW OPENING IN EXISTING WALL WITH NEW STEP UP

28 5/8" GWB APPLIED OVER EXISTING PLASTER WALL FINISH

29 WALL MOUNTED DRINKING FOUNTAINS, SEE A00.05 ACCESSIBILITY DETAILS FOR MOUNTING

30 NEW DOWNSPOUT THROUGH COVERED WALK

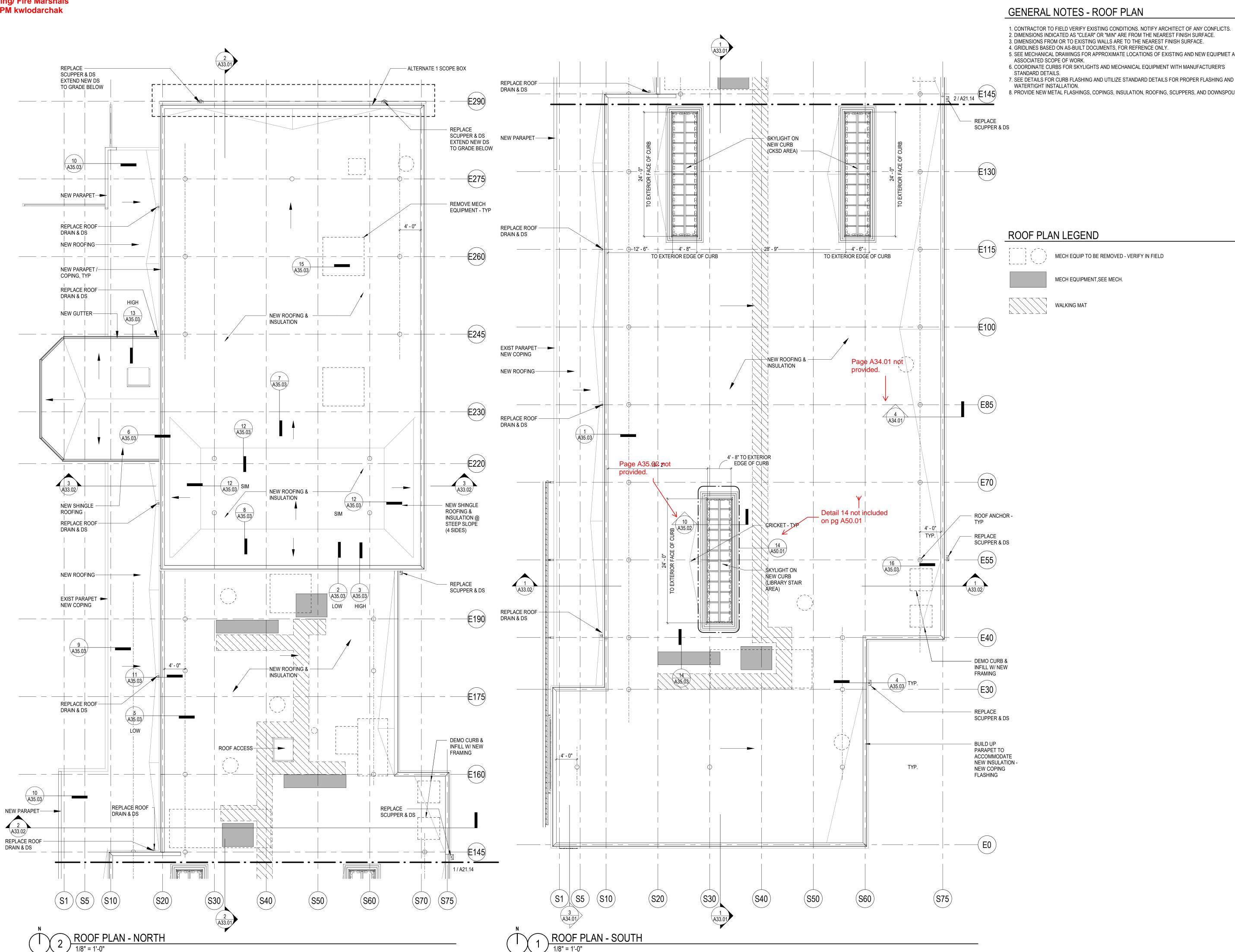
# RENOVATION **CKSD** BUILDING 3700 NW SILVEI 900

2018048.03 PROJECT# **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

FLOOR PLAN - LEVEL 2

SHEET#

A21.13



1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY CONFLICTS. 2. DIMENSIONS INDICATED AS "CLEAR" OR "MIN" ARE FROM THE NEAREST FINISH SURFACE. 3. DIMENSIONS FROM OR TO EXISTING WALLS ARE TO THE NEAREST FINISH SURFACE.

4. GRIDLINES BASED ON AS-BUILT DOCUMENTS, FOR REFRENCE ONLY. 5. SEE MECHANICAL DRAWINGS FOR APPROXIMATE LOCATIONS OF EXISTING AND NEW EQUIPMET AND

6. COORDINATE CURBS FOR SKYLIGHTS AND MECHANICAL EQUIPMENT WITH MANUFACTURER'S

8. PROVIDE NEW METAL FLASHINGS, COPINGS, INSULATION, ROOFING, SCUPPERS, AND DOWNSPOUTS

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ARCHITECTURE INTERIORS PLANNING VIZLAB

REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

# RENOVATION SD/ CKSD/ 900 BUILDING

PROJECT#	2018048.03
PE	RMIT SET
ISSUE DATE	DECEMBER 24, 2019
REVIS	SION SCHEDULE

RCP LEGEND

RECESSED CAN DOWNLIGHT

RECESSED TROFFER, 2X2

RECESSED TROFFER, 2X4

RECESSED LINEAR

DECORATIVE PENDANT

SKYLIGHT

ACT 2X4

ACT 2X4 SECOND LOOK

GYPSUM BOARD

ALTERNATE SCOPE AREA

NOTE
ALL PENDANT FIXTURES MOUNTED AT 10'-0" AFF UNO

**KEY NOTES - REFLECTED CEILING PLAN** 

NOTE DESCRIPTION

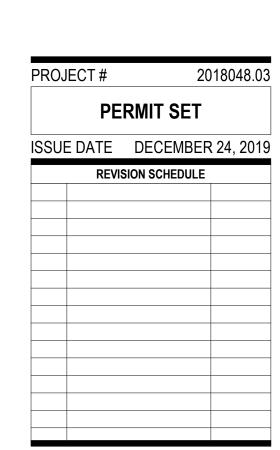
1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DETAILED SCOPE OF SYSTEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. 2. CENTER ALL CEILING FIXTURES IN CEILING TILE, UNLESS NOTED OTHERWISE.

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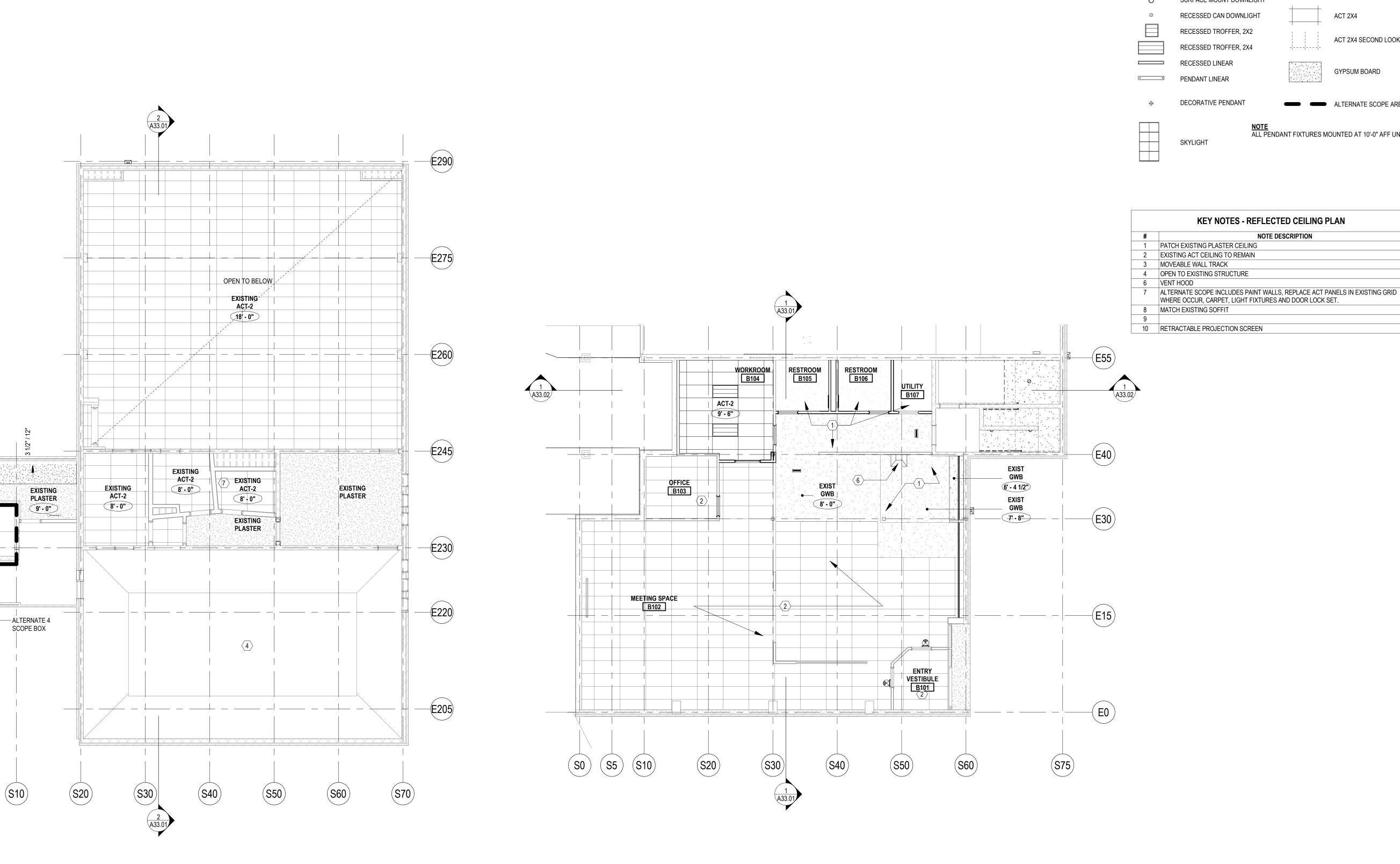
REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

# RENOVATION SD/ CKSD/ 900 BUILDING F



REFLECTED CEILING PLAN - BASEMENT AND LEVEL 3

SHEET#



(s0)

(S5)

# GENERAL NOTES - RCP

RCP LEGEND

SURFACE MOUNT DOWNLIGHT

RECESSED CAN DOWNLIGHT

RECESSED TROFFER, 2X2

RECESSED TROFFER, 2X4

RECESSED LINEAR

DECORATIVE PENDANT

**KEY NOTES - REFLECTED CEILING PLAN** 

NOTE DESCRIPTION

ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT PANELS IN EXISTING GRID WHERE OCCUR, CARPET, LIGHT FIXTURES AND DOOR LOCK SET.

PENDANT LINEAR

SKYLIGHT

PATCH EXISTING PLASTER CEILING
 EXISTING ACT CEILING TO REMAIN

4 OPEN TO EXISTING STRUCTURE

10 RETRACTABLE PROJECTION SCREEN

3 MOVEABLE WALL TRACK

8 MATCH EXISTING SOFFIT

6 VENT HOOD

ACT 2X4

ACT 2X4 SECOND LOOK

GYPSUM BOARD

ALTERNATE SCOPE AREA

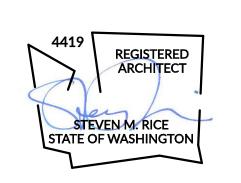
NOTE
ALL PENDANT FIXTURES MOUNTED AT 10'-0" AFF UNO

ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DETAILED SCOPE OF SYSTEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

 CENTER ALL CEILING FIXTURES IN CEILING TILE, UNLESS NOTED OTHERWISE.

RICEGERGUSMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

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# /ATION

900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD

PROJECT#		2018048
PE	ERMIT SE	Т
ISSUE DATE	DECEMB	ER 24, 2
REV	ISION SCHEDU	LE

REFLECTED CEILING PLAN - LEVEL 1

SHEET# **1** 

A22.12

**GENERAL NOTES - RCP** 

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DETAILED SCOPE OF SYSTEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

2. CENTER ALL CEILING FIXTURES IN CEILING TILE, UNLESS NOTED OTHERWISE.

SURFACE MOUNT DOWNLIGHT

RECESSED CAN DOWNLIGHT

RECESSED TROFFER, 2X2

RECESSED TROFFER, 2X4

RECESSED LINEAR

PENDANT LINEAR

SKYLIGHT

DECORATIVE PENDANT

**KEY NOTES - REFLECTED CEILING PLAN** 

NOTE DESCRIPTION

ACT 2X4

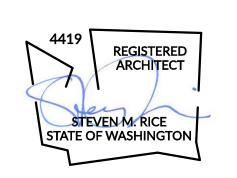
ACT 2X4 SECOND LOOK

GYPSUM BOARD

ALTERNATE SCOPE AREA

NOTE
ALL PENDANT FIXTURES MOUNTED AT 10'-0" AFF UNO

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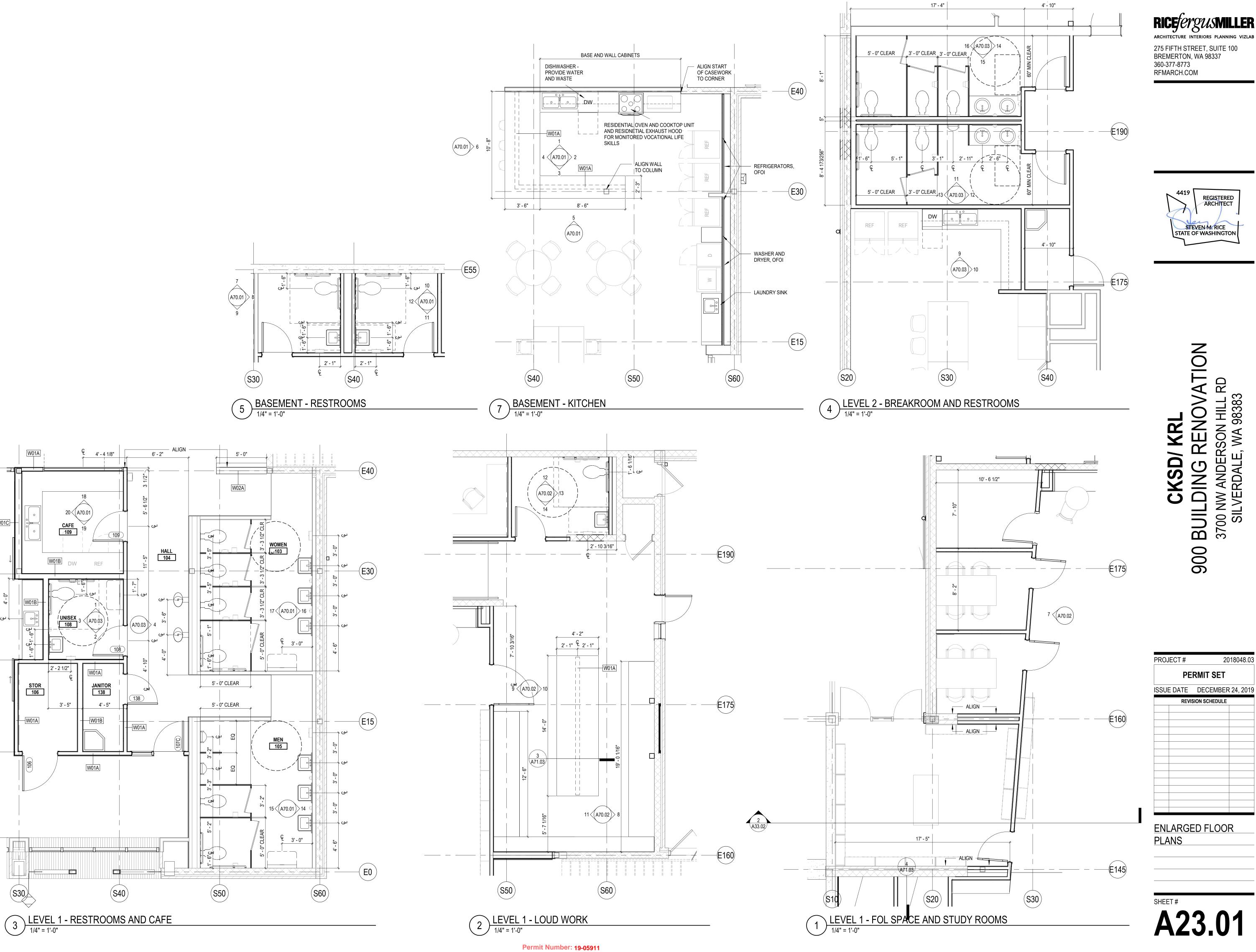
# RENOVATION SD/ CKSD/ 900 BUILDING

PROJECT#	2018048.03
PEI	RMIT SET
SSUE DATE	DECEMBER 24, 2019
REVIS	SION SCHEDULE

PLAN - LEVEL 2

SHEET#

A22.13



PARTIAL WEST ELEVATION - NORTH

1/8" = 1'-0"

1) PARTIAL WEST ELEVATION - SOUTH
1/8" = 1'-0"

# EXTERIOR ELEVATION GENERAL NOTES

- PAINT ALL EXTERIOR HM DOORS AND FRAMES
   REPAIR DAMAGE TO EXISTING STUCCO WALLS AND PLASTER SOFFITS
- 3. PAINT ALL EXTERIOR STUCCO AND PRECAST PANEL WALLS AND PLASTER SOFFITS
- 4. PREP AND PAINT ALL EXISTING DOWNSPOUTS 5. PREP AND PAINT ALL EXISTING AND NEW STEEL TUBE HANDRAILS/GUARDRAILS

RICE/CESUSMILLER

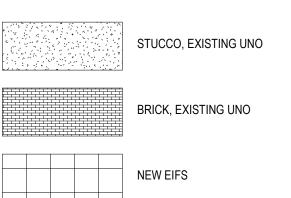
ARCHITECTURE INTERIORS PLANNING VIZLAB

REGISTERED ARCHITECT

STEVEN M. RICE STATE OF WASHINGTON

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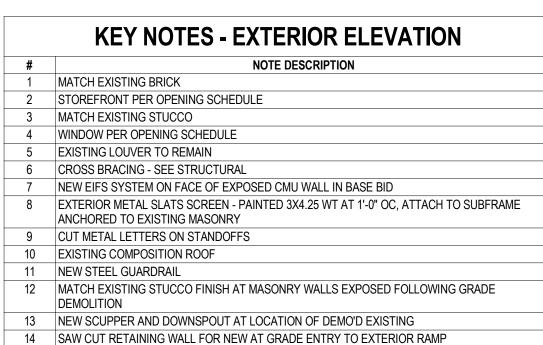




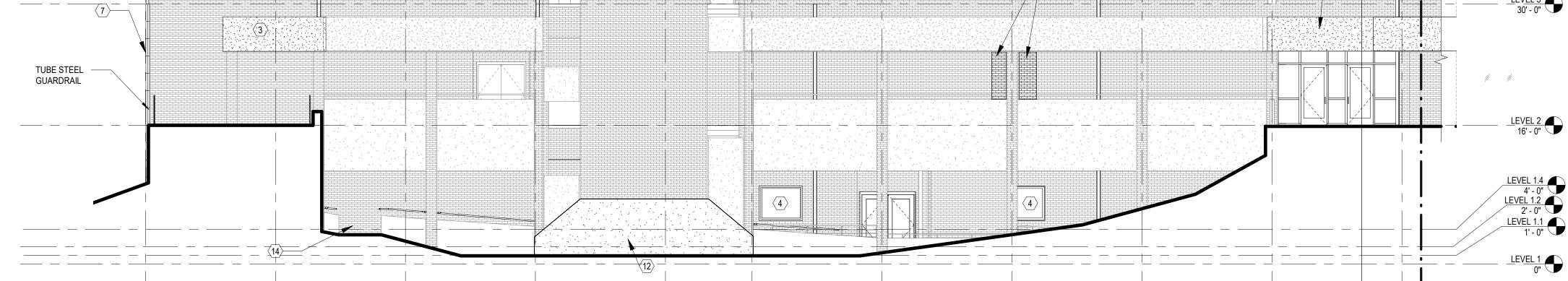
15 STEEL LIGHTING COVE, SEE ELECT.

E145



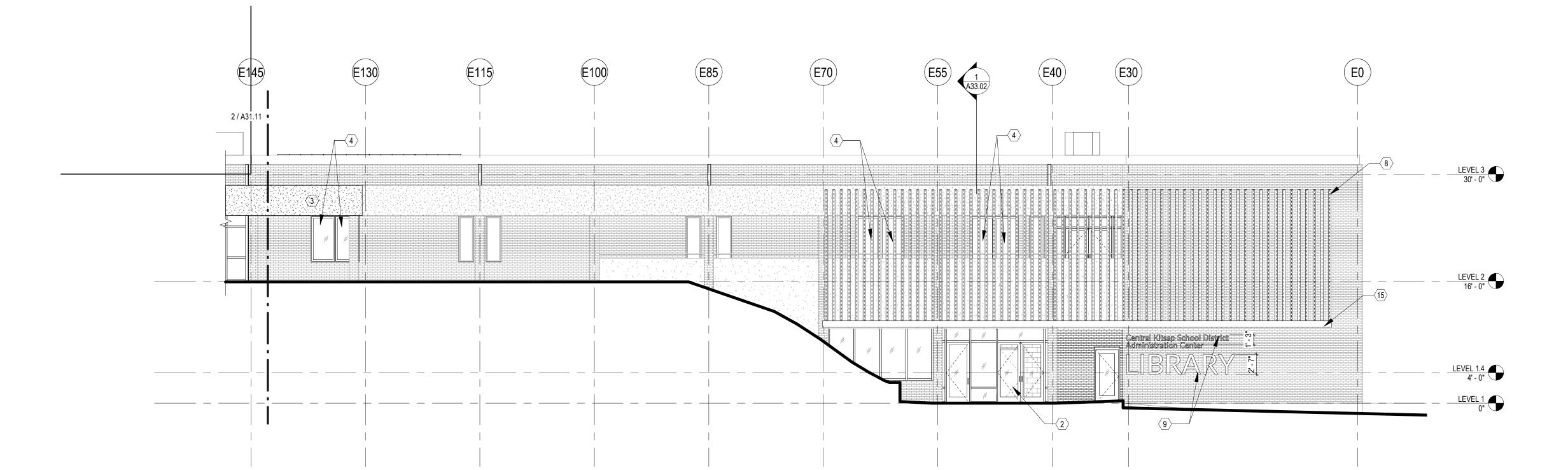


# TOP OF CMU (LEVEL 3) 44' - 0" 1 / A31.11



E220

E245



PROJECT# 2018048.03 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

**EXTERIOR ELEVATIONS - WEST** 

SHEET#

Permit Number: 19-05911

RENOVATION KSD/ CKSD/ 900 BUILDING F



CKSD/ KRL 900 BUILDING RENOVATION 2700 NW ANDERSON HILL RD

PERMIT SET

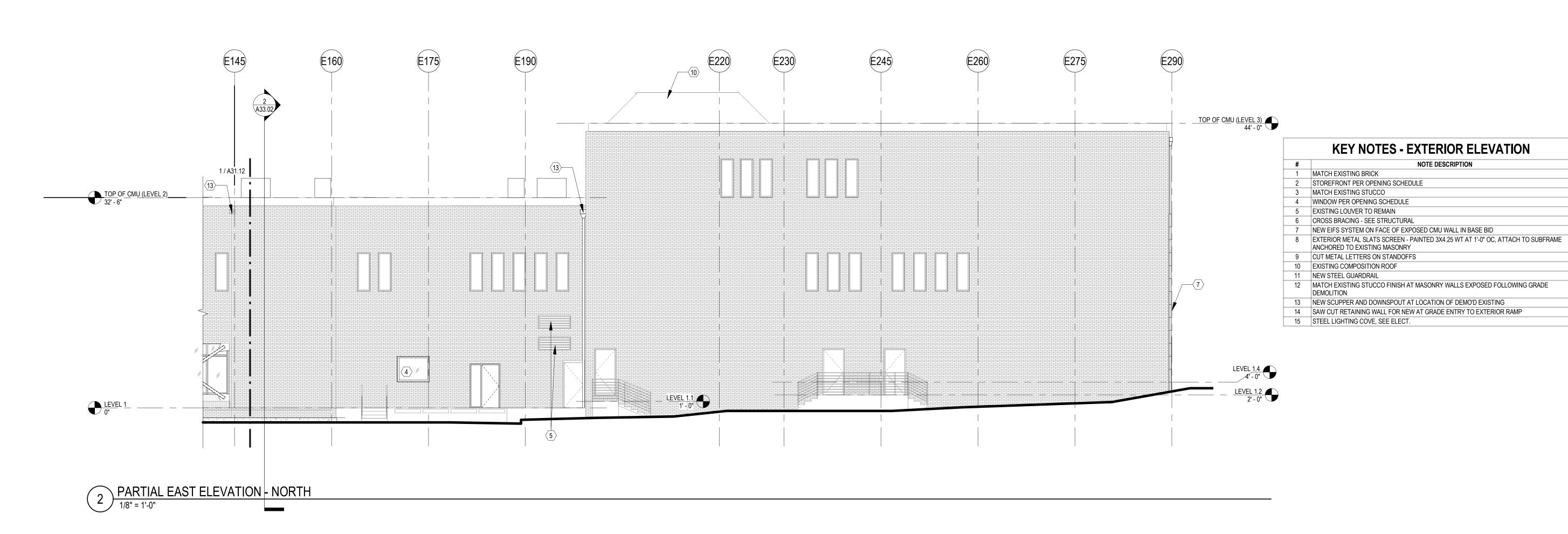
ISSUE DATE DECEMBER 24, 2019

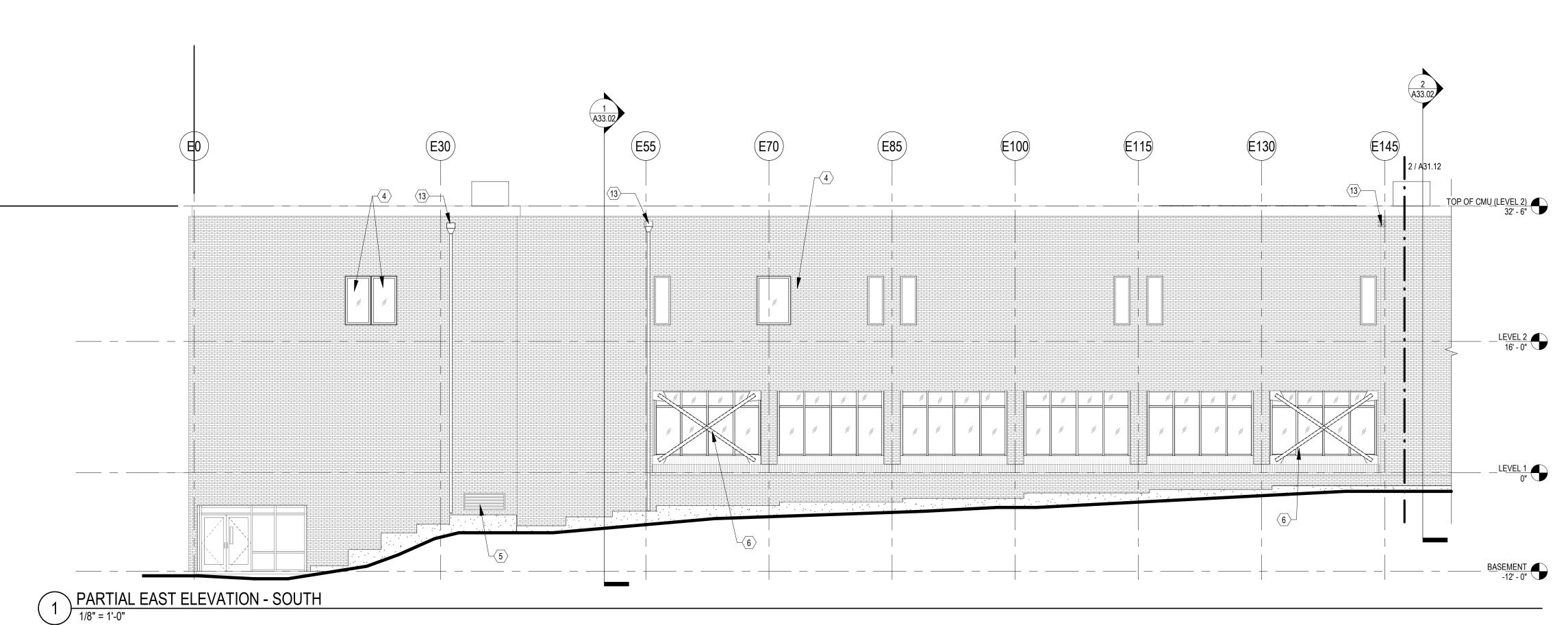
REVISION SCHEDULE

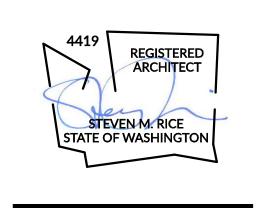
EXTERIOR ELEVATIONS - EAST

SHEET#

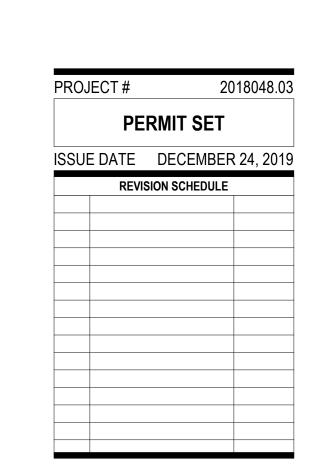
A31.12







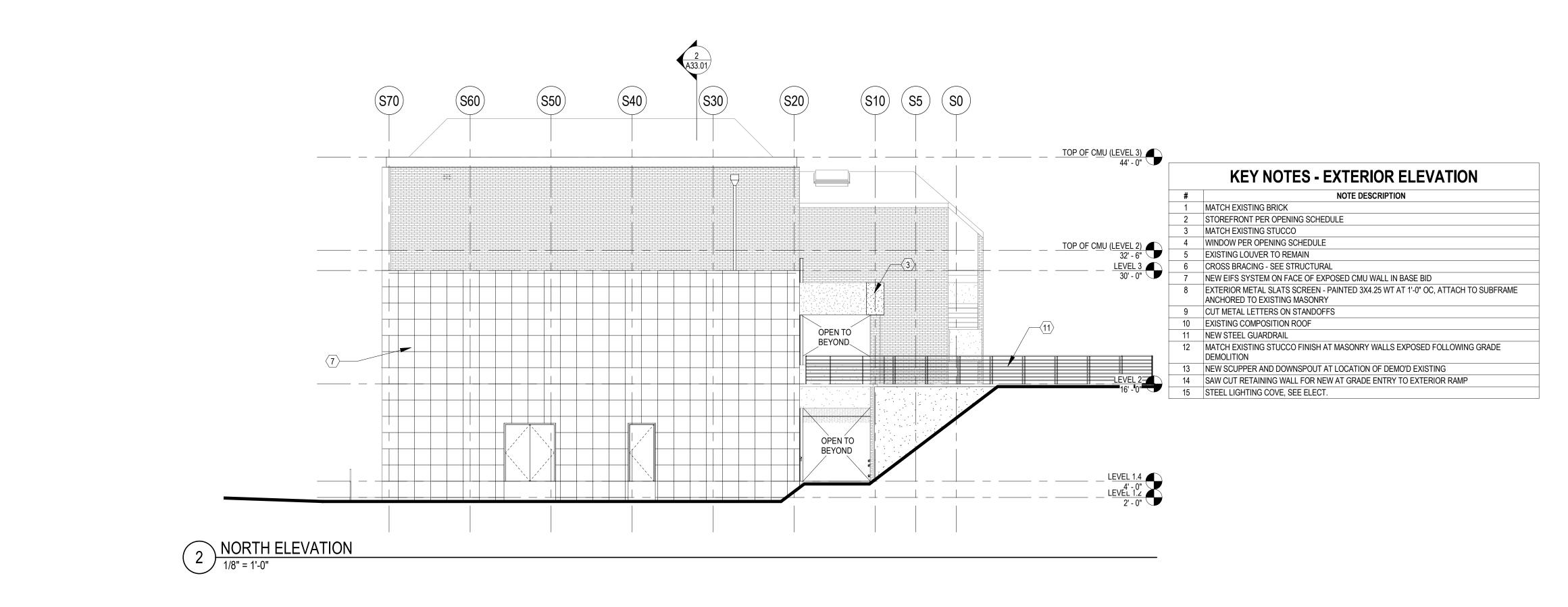
# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

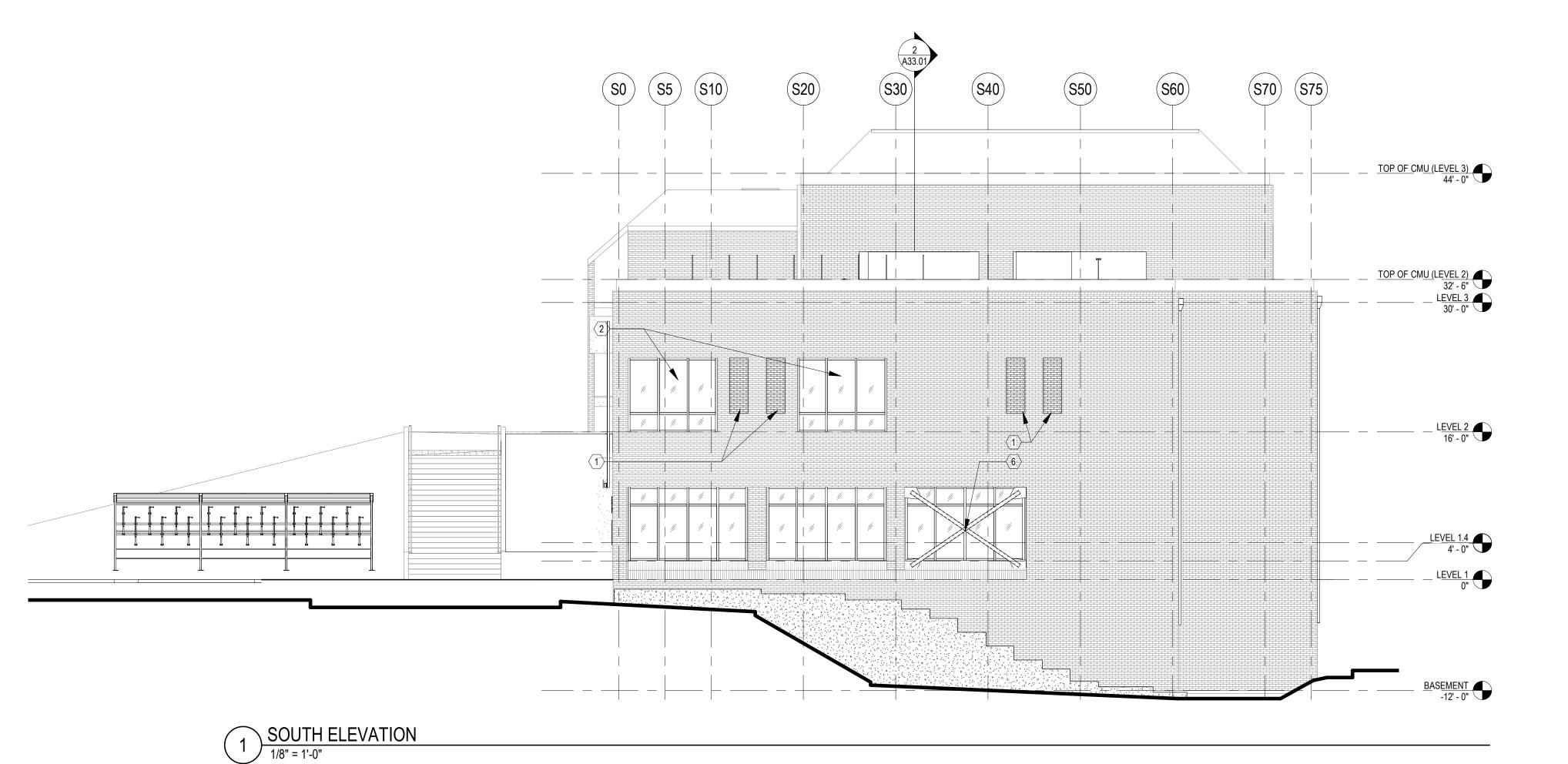


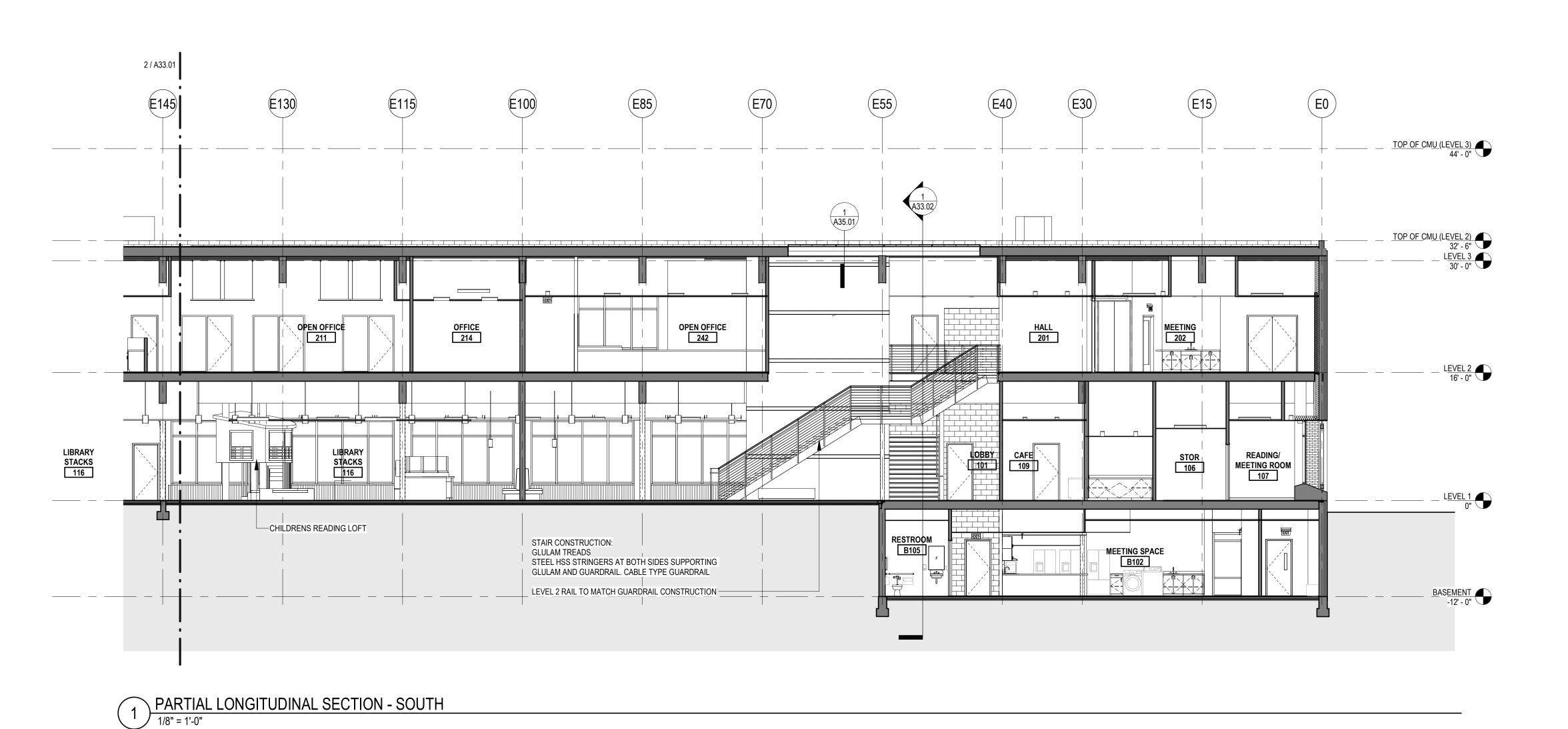
EXTERIOR
ELEVATIONS - NORTH
AND SOUTH

SHEET#

A31.13



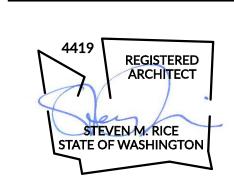




ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100

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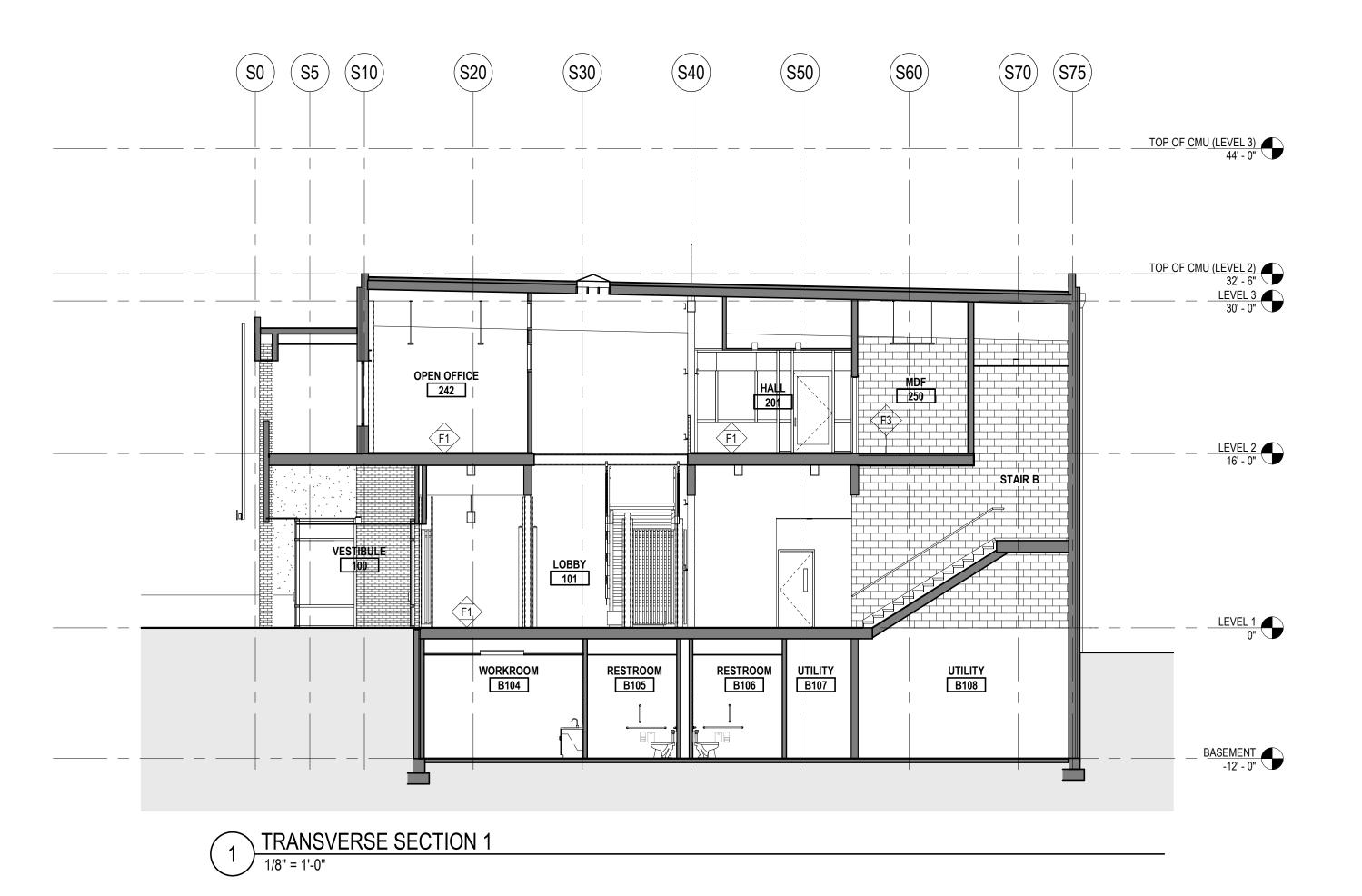


# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	2018048.03
PERM	NIT SET
SSUE DATE D	ECEMBER 24, 2019
REVISION	SCHEDULE

SHEET# **A 2 2 1** 

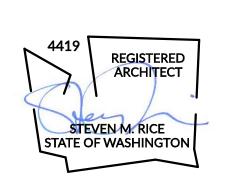
2 TRANSVERSE SECTION 2
1/8" = 1'-0"



RICE/ERGUSMILLER

ARCHITECTURE INTERIORS PLANNING VIZLAB

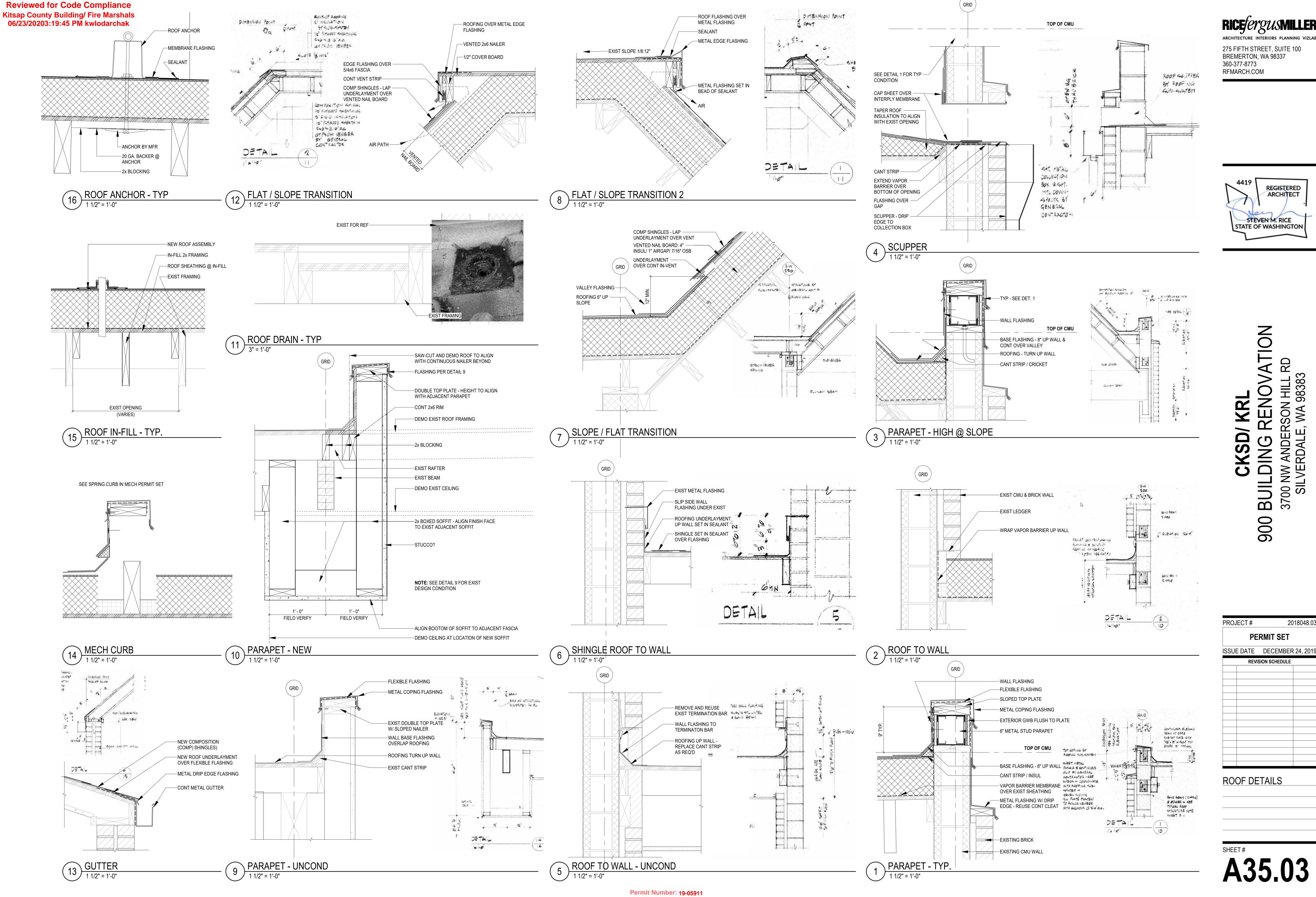
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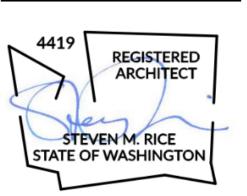
# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	2018048.03
PEI	RMIT SET
SSUE DATE	DECEMBER 24, 2019
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A33.02



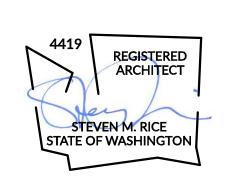
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2018048.03

ARCHITECTURE INTERIORS PLANNING VIZLAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

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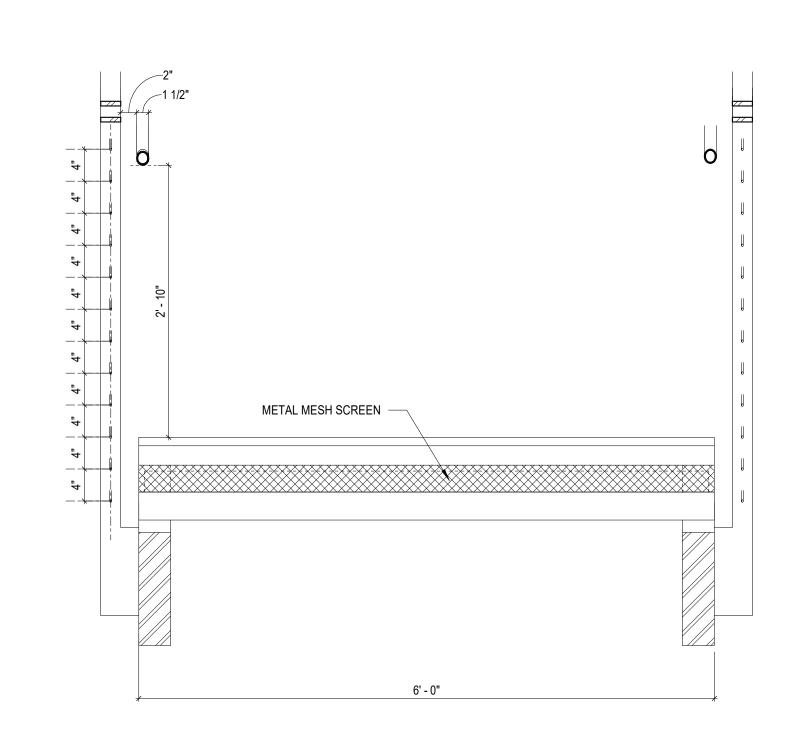
RENOVATION

KSD/ CKSD/ 900 BUILDING F 3700 NW ANDEF SILVERDALE

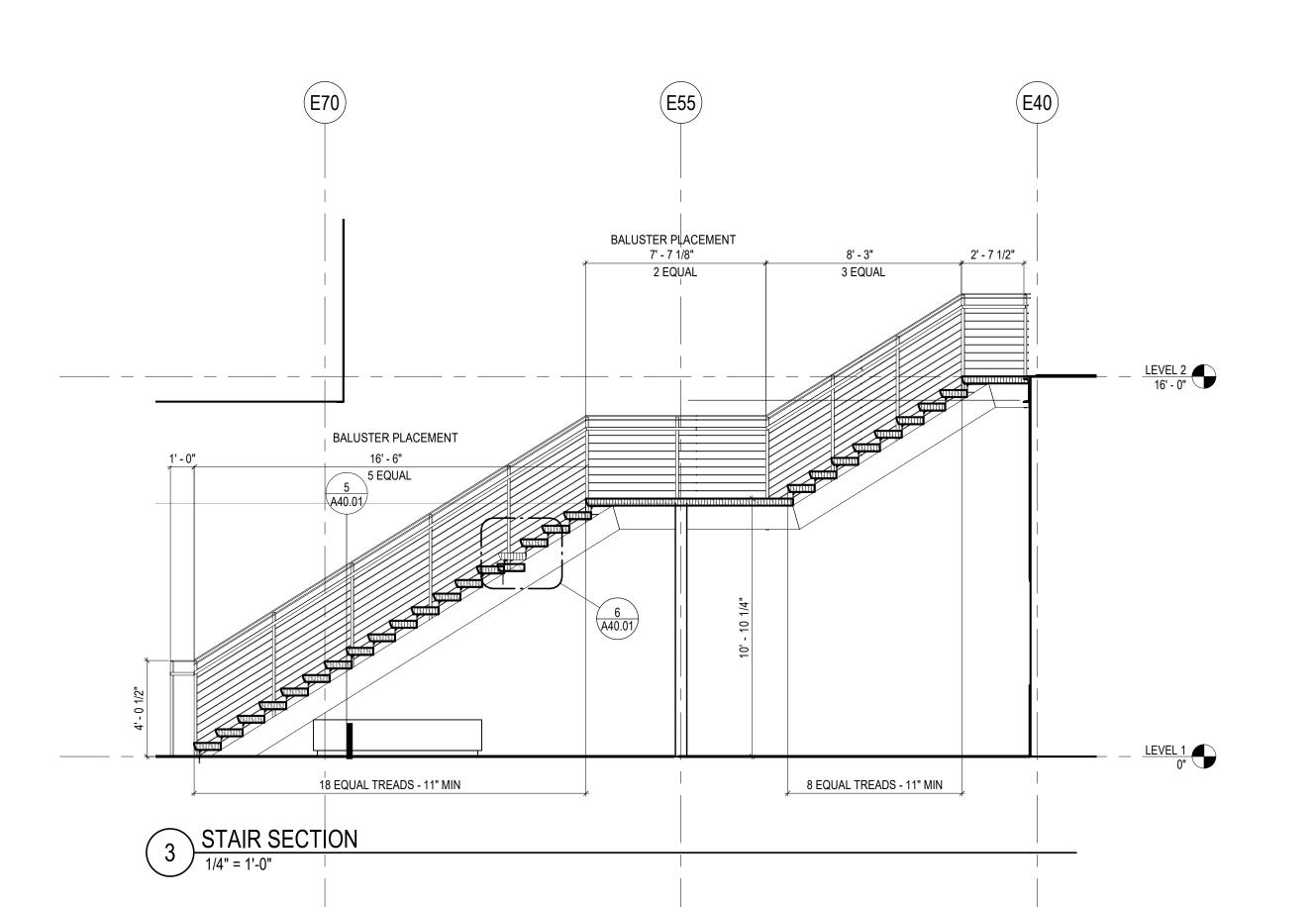
PROJECT# 2018048.03 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE VERTICAL CIRCULATION

SHEET#

A40.01

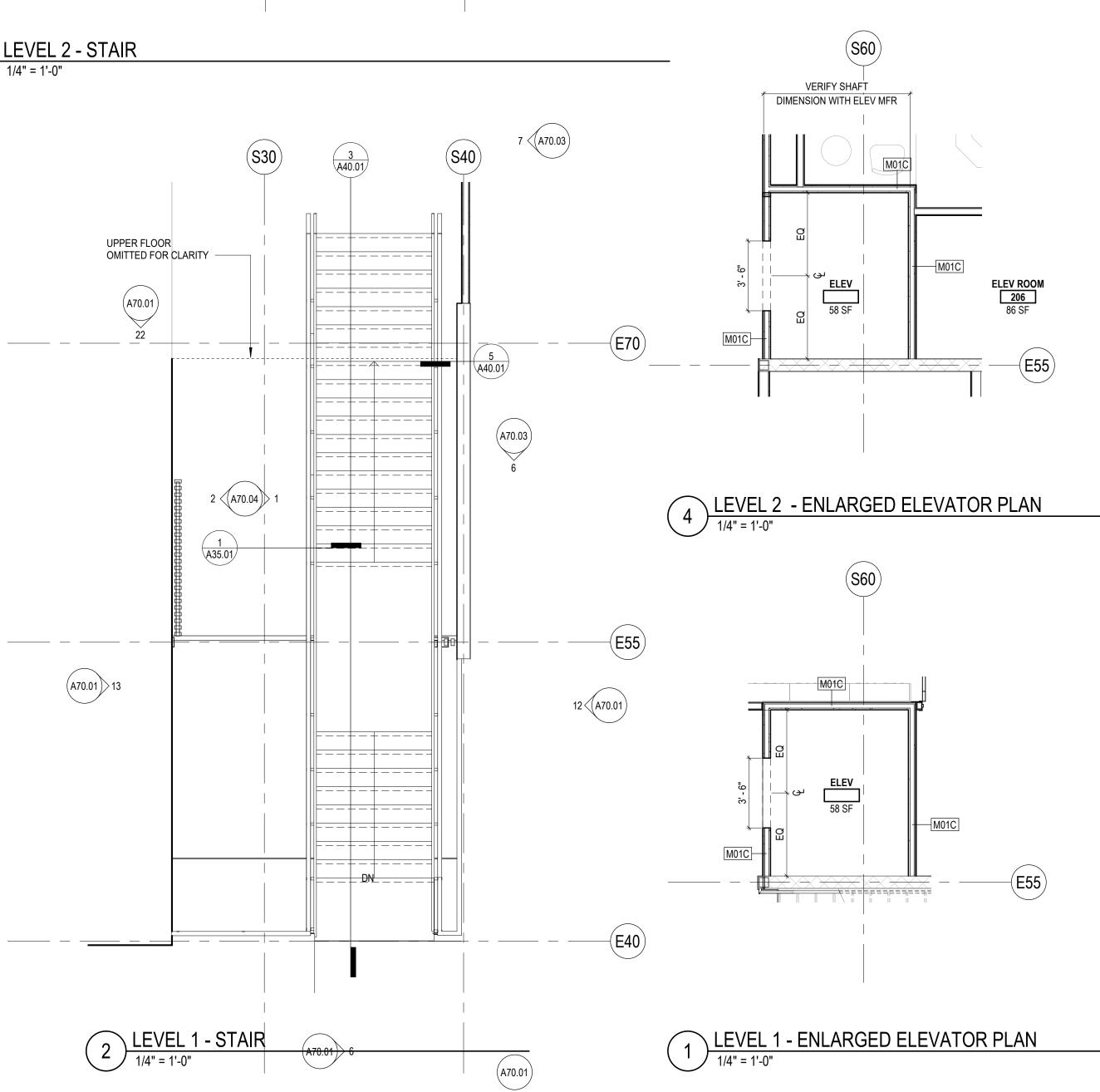


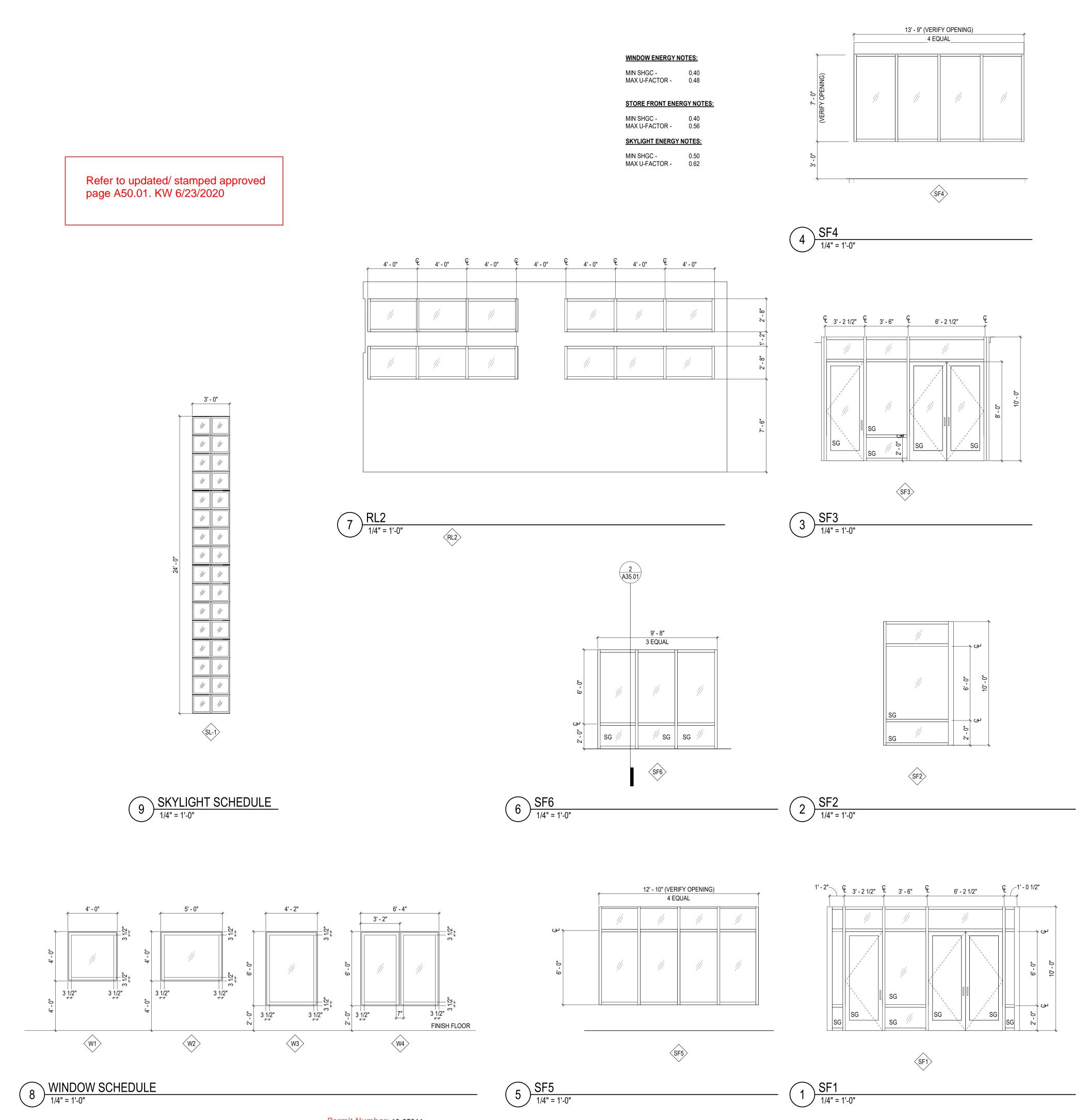




- METAL MESH SCREEN

6 Section 22 - Callout 1
1 1/2" = 1'-0"

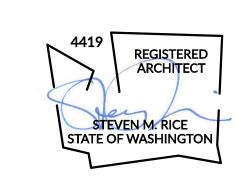




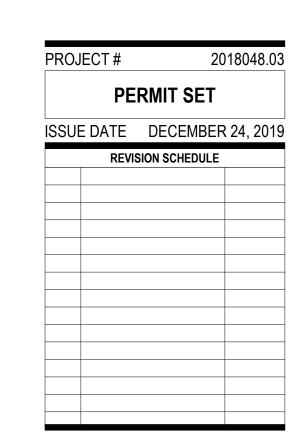
RICE/ERUSMILLER

ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383



WINDOW SCHEDULE
AND DETAILS

					BASE	E BID DO	OR S	CHEC	ULE		
		ROOM		DOOR I	NFORMATION		D	OOR INFOR	MATION	HARDWARE	
DOOR#	NUMBER	NAME	LEVEL	TYPE	MATERIAL	FIRE RATING	HEIGHT	WIDTH	THICKNESS	GROUP	COMMENTS
BASEMEN <sup>®</sup>	Ť									•	
B101	B101	ENTRY VESTIBULE	BASEMENT	B2	EXIST	6	6' - 10 3/4"	6' - 0"	0"	ENTRY	PROVIDE RFID READER FOR CONTROLLED ACCESS
B102A	B101	ENTRY VESTIBULE	BASEMENT	D1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	
B102B	B101	ENTRY VESTIBULE	BASEMENT	D1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	
B103	B103	OFFICE	BASEMENT	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	OFFICE	
B104	B104	WORKROOM	BASEMENT	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	OFFICE	
B105	B105	RESTROOM	BASEMENT	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	PRIVACY	
B106	B106	RESTROOM	BASEMENT	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	PRIVACY	
B107	B107	UTILITY	BASEMENT		SC	7	7' - 0"	3' - 0"	1 3/4"	PRIVACY	
B108	B108	UTILITY	BASEMENT	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	STORAGE	
B110	B102	MEETING SPACE	BASEMENT	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	
LEVEL 1	1								1		
100A	100	VESTIBULE	LEVEL 1	B2	HM	8	3' - 0"	6' - 0"	0"	EGRESS	PANIC HARDWARE, ADA PUSH BUTTON, RFID FO CONSTROLLED ACCESS
100B	100	VESTIBULE	LEVEL 1	B1	HM	8	3' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
101A	101	LOBBY	LEVEL 1	B2	НМ	8	3' - 0"	6' - 0"	0"	EGRESS	PANIC HARDWARE, ADA PUSH BUTTON CONNECTED TO DOOR 100A
101B	101	LOBBY	LEVEL 1	D1	SC	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
101C	101	LOBBY	LEVEL 1	B1	HM	8	3' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
101D	101	LOBBY	LEVEL 1	A1	HM	7	7' - 0"	3' - 0"	1 3/4"		EXISTING
105A	141	STORAGE	LEVEL 1	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
105B	141	STORAGE	LEVEL 1	A1	EXIST	7	7' - 0"	3' - 0"	1 3/4"	STORAGE	EXISTING
106	106	STOR	LEVEL 1	A1	SC	7	7' - 0"	3' - 6"	1 3/4"	STORAGE	
107A	107	READING/ MEETING ROOM	LEVEL 1	B1	НМ	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
107C	104	HALL	LEVEL 1	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
108	108	UNISEX	LEVEL 1	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	PRIVACY	
109	109	CAFE	LEVEL 1	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	STORAGE	
111	111	STUDY	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
112	112	STUDY	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
116	116	LIBRARY STACKS	LEVEL 1	A1	SC	1-HOUR 7	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE AND ALARM
121	116	LIBRARY STACKS	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
122	116	LIBRARY STACKS	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
123		STAIR C	LEVEL 1	A2	EXIST	7	7' - 0"	6' - 0"	1 3/4"		EXISTING
123A	123	WORK ROOM	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	OFFICE	PROVIDE RFID READER FOR CONTROLLED ACCESS
123B	123	WORK ROOM	LEVEL 1	B1	EXIST	6	5' - 11 3/4"	3' - 0"	1 3/4"	EGRESS	
123C	123	WORK ROOM	LEVEL 1	B1	EXIST	6	6' - 11 3/4"	2' - 9 1/2"	1 3/4"	EGRESS	
124	124	STUDY	LEVEL 1	B1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	
125	125	STUDY	LEVEL 1	B1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
126	126	STORAGE	LEVEL 1	A1	SC	7	7' - 0"	3' - 0"	1 3/4"	PASSAGE	
127A	127	WORK ROOM	LEVEL 1	C1	HM		7' - 0"	4' - 0"	1 3/4"	OFFICE	PROVIDE RFID READER FOR CONTROLLED ACCESS, ADA PUSH BUTTON

Refer to updated/ stamped approved page A60.01. KW 6/23/2020

F.F FRAME TYPES		2" SEE SCHED 2" 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2" SEE SCHED SEE SC	HED 2"						
SEE SCHEDULE	SEE SCHED 3TO 3H S 3H S	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE  6"  6"  SG  SG  SG  SG  SG  SG  SG  SG  SG  S	SEE SCHEDULE SG	SEE SCHED  4" 6"  SEE SCHED			
DOOR TYPES  THE SEE SCHEDULE  F.F.	SEE SCHEDULE  STACK SPACE  JINGHOUSE  JINGHOUSE  STACK SPACE  JINGHOUSE  JINGHOUSE									
DOOR TYPES E	SEE S	SCHEDULE	STACK SPACE FILE SCHEDULE	1, MESH SECU	SEE SCHEDULE					

H1, OVERHEAD ROLL DOWN

**OPENING & FRAME TYPES** 

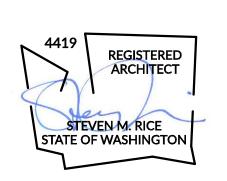
G1, MOVABLE WALL

1/4" = 1'-0"

					BASE	BID DO	OOR S	CHED	ULE		
		ROOM		DOOR I	NFORMATION		D	OOR INFOR	RMATION	HARDWARE	
<b>DOOR #</b> 127B	NUMBER 127	NAME WORK ROOM	LEVEL 1	TYPE A1	MATERIAL HM	FIRE RATING	<b>HEIGHT</b> 6' - 8"	<b>WIDTH</b> 2' - 8"	THICKNESS	<b>GROUP</b> EGRESS	COMMENTS  PROVIDE RFID READER FOR CONTROLLED
		WORK ROOM								EGRESS	ACCESS
129 130	129 130	FIRE SPRINKLER JAN	LEVEL 1	A1 A1	EXIST EXIST		7' - 0" 6' - 8"	3' - 0" 2' - 8"	1 3/4"		EXISTING EXISTING
131	131	RESTROOM	LEVEL 1	A1	SC		7' - 0"	3' - 0"	1 3/4"	PRIVACY	EXISTING
136A		STAIR D	LEVEL 1	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
140 142A	141 142	STORAGE STORAGE	LEVEL 1	A1 A1	EXIST EXIST		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	STORAGE	EXISTING
142B	142	STORAGE	LEVEL 1	A1	EXIST		6' - 8"	2' - 8"	1 3/4"		
148 LEVEL 1.1	148	ELEV ROOM	LEVEL 1	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	EXISTING
132	132	OFFICE	LEVEL 1.1	B1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
133	133	OFFICE	LEVEL 1.1	B1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
134 135	134 135	OPEN OFFICE BREAK ROOM	LEVEL 1.1 LEVEL 1.1	B2 A1	HM EXIST		7' - 0" 7' - 0"	6' - 0" 3' - 0"	1 3/4"	EGRESS	
LEVEL 1.2									1		
136 136B	136 137	JAN STORAGE CORR	LEVEL 1.2 LEVEL 1.2	A1 A1	EXIST EXIST	CLASS-C	7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	PASSAGE STORAGE	
						EXISTING					
141A	141	STORAGE	LEVEL 1.2	A2	EXIST		7' - 0"	6' - 0"	1 3/4"	EGRESS	PANIC HARDWARE, RFID READER FOR CONTROLLED ACCESS
146	146	MEN	LEVEL 1.2	A1	EXIST		7' - 0"	2' - 8"	1 3/4"	STORAGE	EXISTING
147 LEVEL 1.4	147	WOMEN	LEVEL 1.2	A1	EXIST		7' - 0"	2' - 8"	1 3/4"	STORAGE	EXISTING
143	143	STORAGE	LEVEL 1.4	A2	НМ		7' - 0"	6' - 0"	1 3/4"	STORAGE	
144 LEVEL 2	144	STORAGE	LEVEL 1.4	A1	HM		7' - 0"	3' - 0"	1 3/4"	STORAGE	
201A	201	HALL	LEVEL 2	B2	EXIST		6' - 10 3/4"	6' - 0"	0"	EGRESS	PANIC HARDWARE, ADA PUSH BUTTON, RFID FOR
004D	000	LIALI	1 EVEL 0	D4	ALLINA		71 4 2 / 4 11	21 0 4/01	4.0/4!	FODEOO	CONSTROLLED ACCESS
201B	209	HALL	LEVEL 2	B1	ALUM		7' - 4 3/4"	3' - 6 1/2"	1 3/4"	EGRESS	PANIC HARDWARE, RFID READER FOR CONTROLLED ACCESS
202A	202	MEETING	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	PANIC HARDWARE
202C 203	202	MEETING STORAGE	LEVEL 2	B1 A2	SC SC		7' - 0" 7' - 0"	3' - 0" 6' - 0"	1 3/4"	PASSAGE STORAGE	PANIC HARDWARE
204	204	CONF	LEVEL 2	B1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	
205 206	201	HALL ELEV ROOM	LEVEL 2 LEVEL 2	A1	EXIST SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	STORAGE OFFICE	
208B	208	OFFICE	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
211A	242	OPEN OFFICE	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
212 213	212 213	OFFICE OFFICE	LEVEL 2	B1 B1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	OFFICE OFFICE	
214	214	OFFICE	LEVEL 2	B1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
215 215A	215 215	MTG MTG	LEVEL 2	B1 B1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	OFFICE OFFICE	
216A	216	MTG	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	
216B	216	MTG	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
219 220	219 220	OFFICE OFFICE	LEVEL 2	B1 B1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	OFFICE OFFICE	
221	221	OFFICE	LEVEL 2	B1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
222 223	222 223	OFFICE OFFICE	LEVEL 2 LEVEL 2	B1 B1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	OFFICE OFFICE	
224 224	224	MEETING	LEVEL 2	B1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	
225	225	MDF	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	
227 231	227	OFFICE MEN	LEVEL 2	B1 A1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	OFFICE PUSH/PULL	
232	232	WOMEN	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	PUSH/PULL	
233	230	BREAK ROOM	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	OTODAOE	EXISTING
234 235	234 235	JANITOR STORAGE	LEVEL 2	A1 A1	SC SC		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	STORAGE STORAGE	
235A	235	STORAGE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	
236 236A	236 236	STORAGE STORAGE	LEVEL 2 LEVEL 2	A1 A1	EXIST EXIST		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	STORAGE STORAGE	
237	237	PRACTICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED
238	238	PRACTICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED
230	230	PRACTICE	LEVEL 2	AI	EVIOL		7 - 0		1 3/4	STURAGE	ACCESS
239	239	PRACTICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED ACCESS
240B	226	HALL	LEVEL 2	B1	EXIST		7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE, RFID READER FOR
240C	226	HALL	LEVEL 2	B1	EXIST		7' - 0"	3' - 0"	1 3/4"	EGRESS	CONTROLLED ACCESS PANIC HARDWARE, RFID READER FOR
											CONTROLLED ACCESS
240F	240	HALL	LEVEL 2	A1	EXIST	CLASS-C EXISTING	7' - 0"	3' - 0"	1 3/4"	STORAGE	PANIC HARDWARE, ADA PUSH BUTTON, RFID FOR CONSTROLLED ACCESS
241	241	PRACTICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED
242	242	PRACTICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED
											ACCESS
243 244	243 244	JANITOR OFFICE	LEVEL 2 LEVEL 2	A1 A1	EXIST EXIST		7' - 0" 7' - 0"	3' - 0" 3' - 0"	1 3/4"	STORAGE STORAGE	PROVIDE RFID READER FOR CONTROLLED
											ACCESS
245	245	OFFICE	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	PROVIDE RFID READER FOR CONTROLLED ACCESS
246	246	MEETING ROOM	LEVEL 2	A2	EXIST		7' - 0"	5' - 4"	1 3/4"	EGRESS	PANIC HARDWARE, RFID READER FOR
246A	242	OPEN OFFICE	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	OFFICE	CONTROLLED ACCESS
246B	246	MEETING ROOM	LEVEL 2	A1	EXIST	CLASS-C	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE, RFID READER FOR
246C	240	HALL	LEVEL 2	A1	EXIST	EXISTING	7' - 0"	3' - 0"	1 3/4"		CONTROLLED ACCESS
248	240	HALL	LEVEL 2	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	EGRESS	PROVIDE RFID READER FOR CONTROLLED
250	201	HALL	LEVEL 2	A1	SC		7' - 0"	3' - 0"	1 3/4"	PASSAGE	ACCESS
STC3			LEVEL 2	A1	HM	1-HOUR	7' - 0"	3' - 0"	1 3/4"	EGRESS	
LEVEL 3 300	301	MEETING ROOM	LEVEL 3	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	PASSAGE	
300	301	MEETING ROOM MEETING ROOM	LEVEL 3	A1	EXIST		6' - 8"	2' - 8"	1 3/4"	EGRESS	PROVIDE RFID READER FOR CONTROLLED
						CI ACC C	7' 0"	21 0"	1 2/4"		ACCESS, PANIC HARDWARE
200	302	HALL	LEVEL 3	A1	EXIST	CLASS-C EXISTING	7' - 0"	3' - 0"	1 3/4"	EGRESS	PANIC HARDWARE
302		CUSTODIAN	LEVEL 3	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	STORAGE	EXISTING
303	303	OFFICE		A 4			a Oll	3' - 0"	1 3/4"	OFFICE	
	303 304	OFFICE	LEVEL 3	A1	EXIST		7' - 0"	3 - 0	1 0/4	OTTIOL	PROVIDE RFID READER FOR CONTROLLED ACCESS
303		OFFICE PRACTICE	LEVEL 3	A1	EXIST		7' - 0"	3' - 0"	1 3/4"	OFFICE	ACCESS PROVIDE RFID READER FOR CONTROLLED
303 304	304										ACCESS
303 304 305	304	PRACTICE	LEVEL 3	A1	EXIST	CLASS-C	7' - 0"	3' - 0"	1 3/4"	OFFICE	PROVIDE RFID READER FOR CONTROLLED ACCESS

RICE/ERGUSMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	2	201804				
PE	RMIT SET	ı				
ISSUE DATE	DECEMBER 24, 2					
REVI	SION SCHEDULI	ION SCHEDULE				

OPENING SCHEDULE AND DETAILS

ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

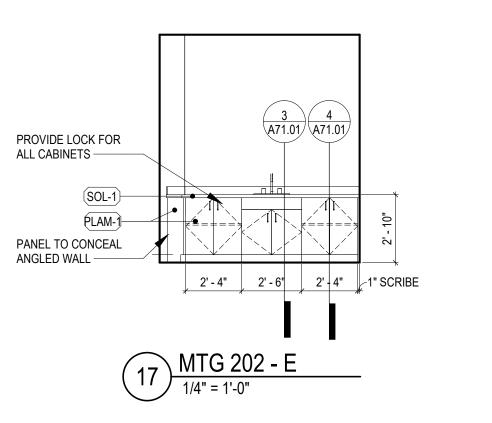
# 3700 NW ANDER SILVERDALE,

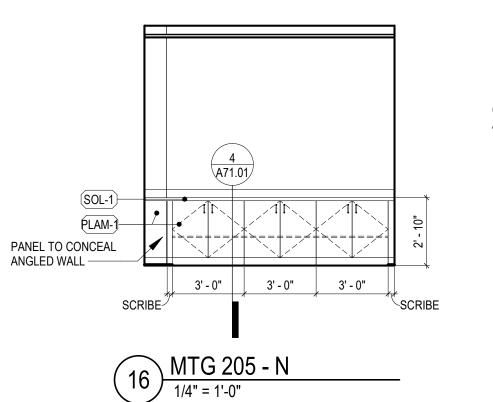
2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

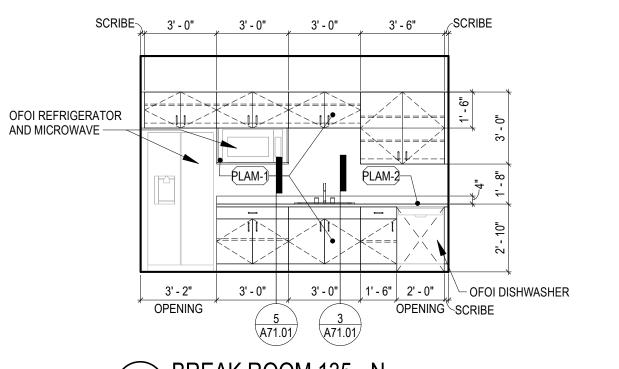
# INTERIOR ELEVATIONS GENERAL NOTES

- 1. THE FOLLOWING TOILET ACCESSORIES WILL BE OWNER FURNISHED/ CONTRACTOR INSTALLED: PAPER TOWEL DISPENSER, SEAT COVER DISPENSER, SANITARY NAPLINDISPENSER, AND SOAP
- 2. CEILING ELEMENTS IN ELEVATIONS ARE FOR GRAPHIC REPRESENTATION ONLY. SEE REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS AND EXTENTS.

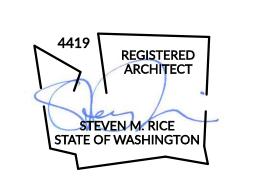
ARCHITECTURE INTERIORS PLANNING VIZLAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM

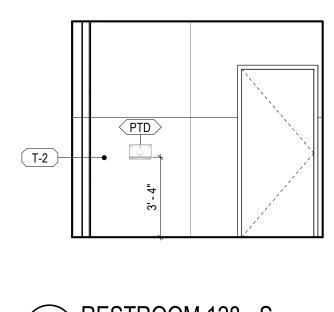






15 BREAK ROOM 135 - N



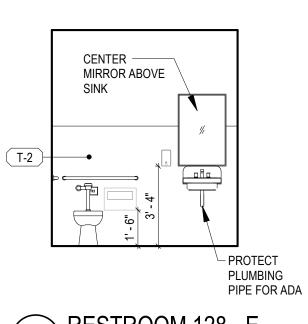




PLAM-2

PLAM-1-

9 LOUD WORK 125 - W



13) RESTROOM 128 - E 1/4" = 1'-0"

— COUNTER BRACE 8 / A71.01

2 A71.03

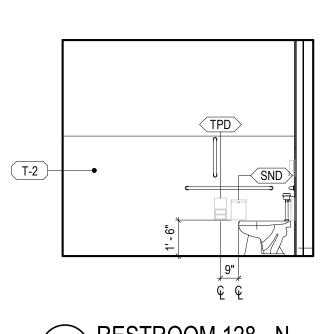
4' - 0"

9' - 0"

4' - 0"

5 BANQUETTE AT TECH

1/4" = 1'-0"



12 RESTROOM 128 - N

19' - 0 1/16"

YOUTH TECH - SOUTHWEST

1/4" = 1'-0"

FIXED WINDOW -

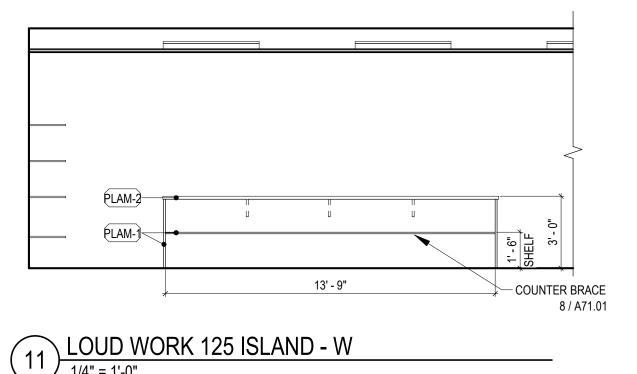
COUNTER BRACE 8 / A71.01

- DECORATIVE PENDANT LIGHTS, SE情RCP

PLAM-1

4' - 0"

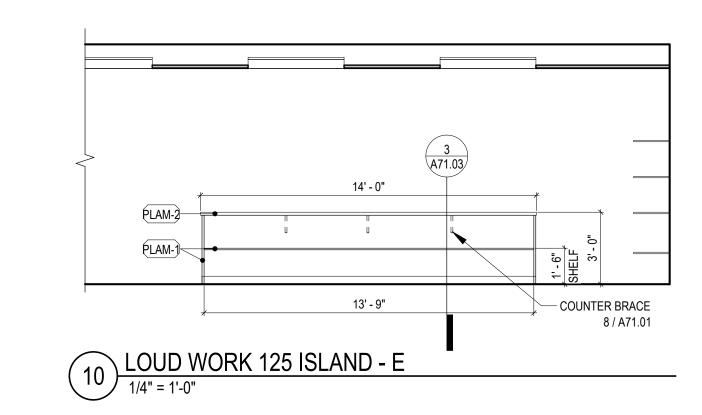
8 LOUD WORK 125 - E

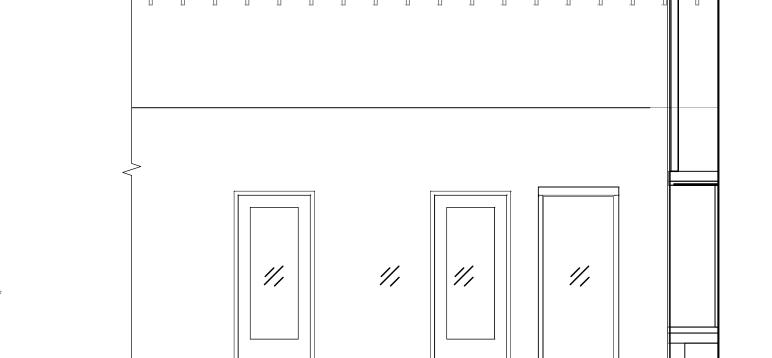


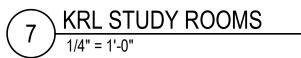
COLUMN

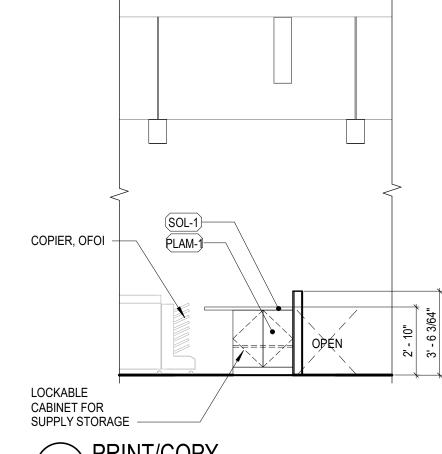
COUNTER BRACE 8 / A71.01

Permit Number: 19-05911



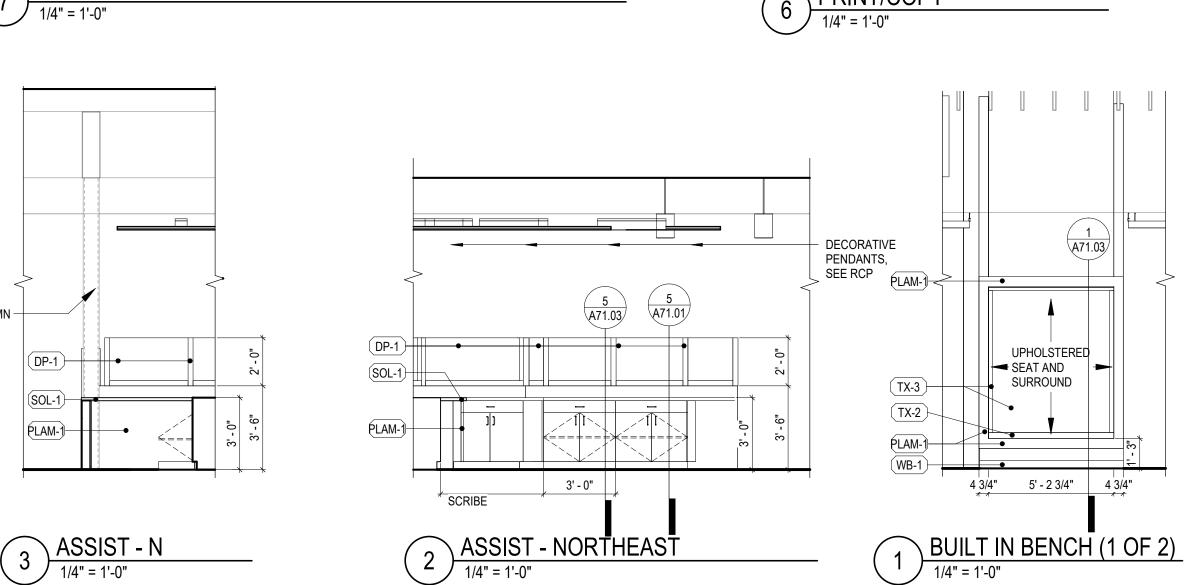




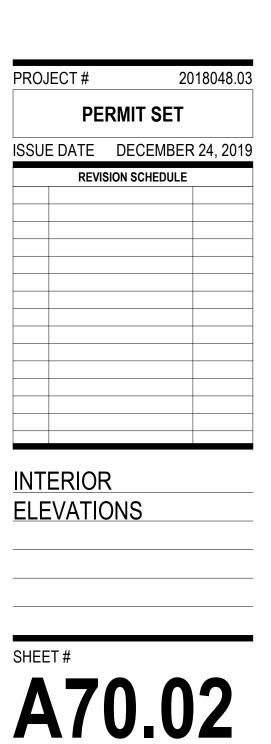


6 PRINT/COPY

1/4" = 1'-0"



# RENOVATION KSD/ CKSD/ 900 BUILDING I

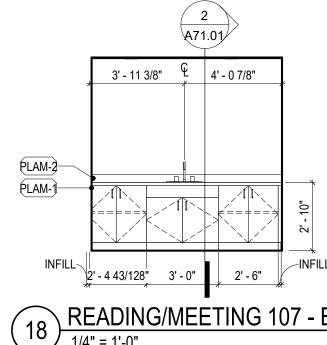


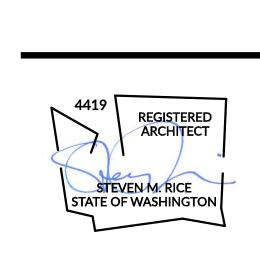
# INTERIOR ELEVATIONS GENERAL NOTES

- 1. THE FOLLOWING TOILET ACCESSORIES WILL BE OWNER FURNISHED/ CONTRACTOR INSTALLED: PAPER TOWEL DISPENSER, SEAT COVER DISPENSER, SANITARY NAPLINDISPENSER, AND SOAP
- 2. CEILING ELEMENTS IN ELEVATIONS ARE FOR GRAPHIC REPRESENTATION ONLY. SEE REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS AND EXTENTS.

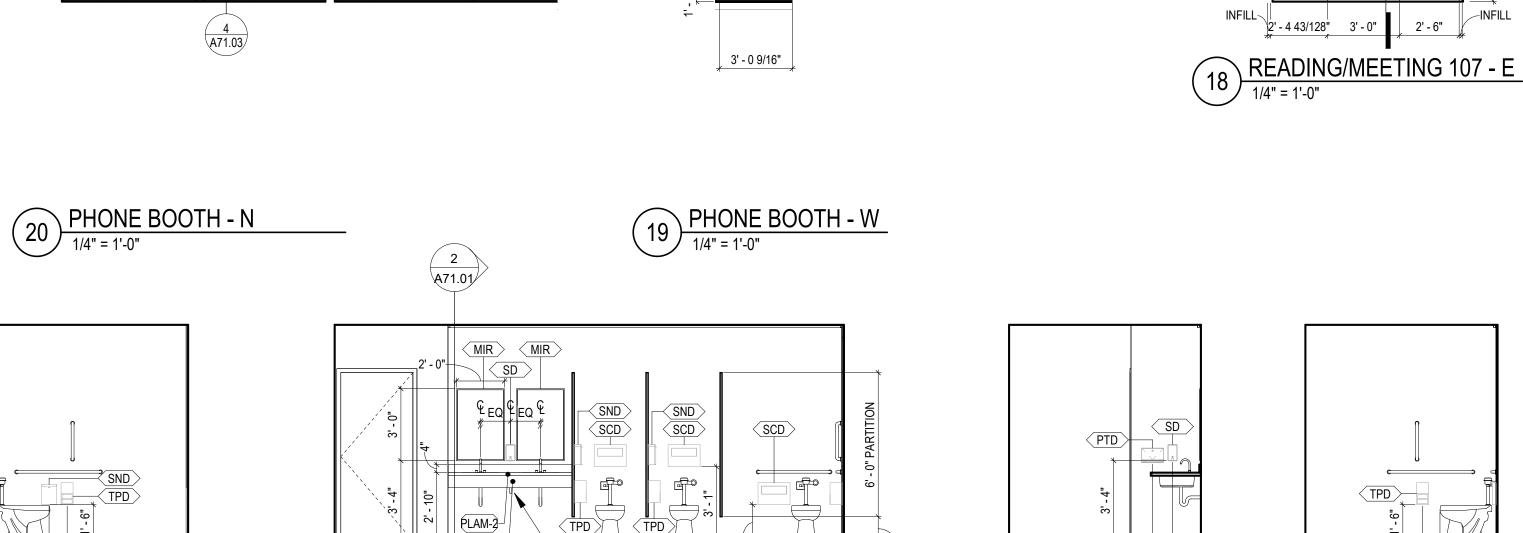
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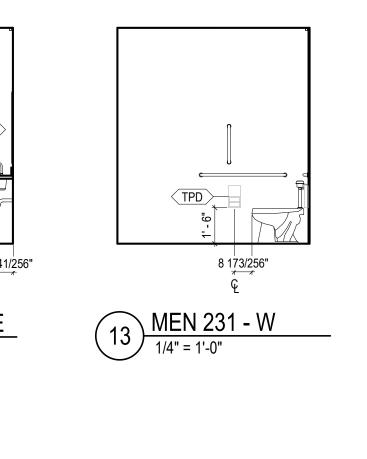


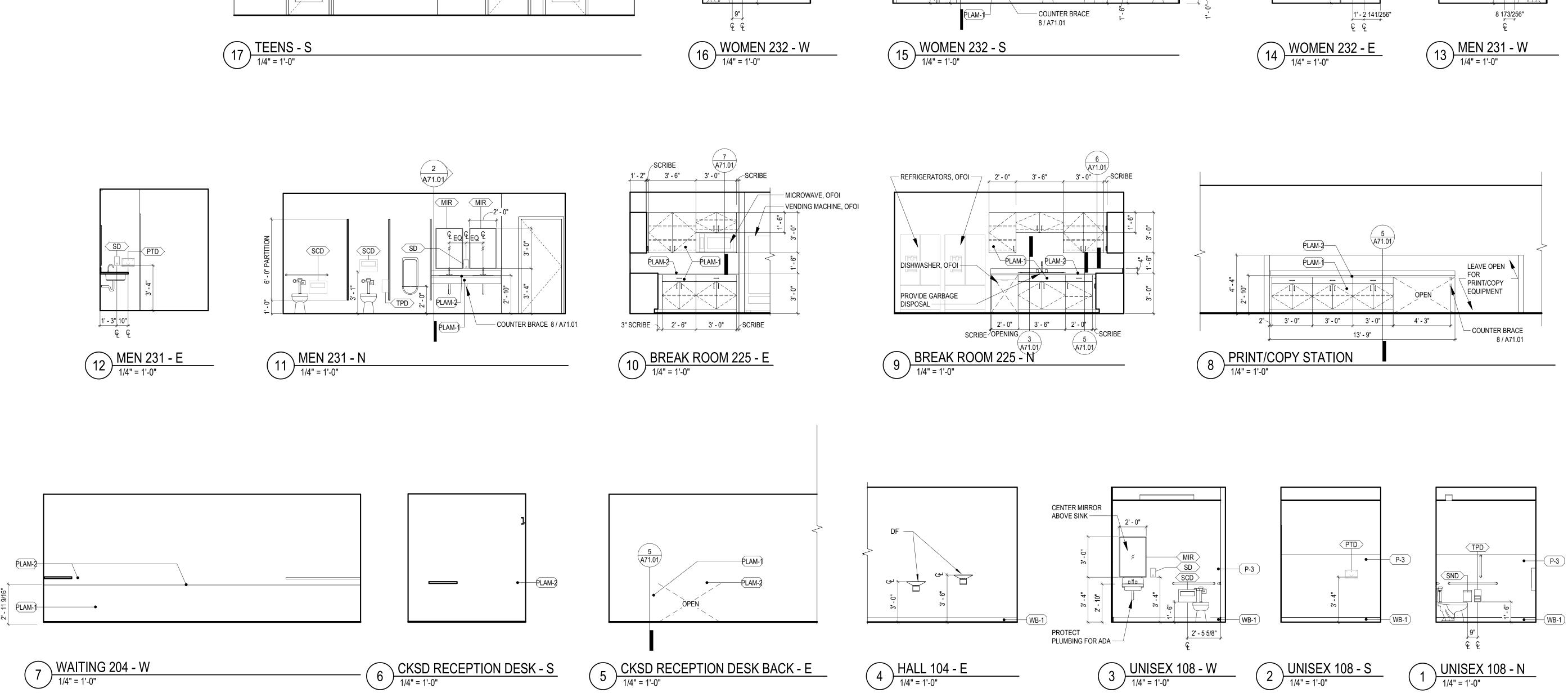
CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

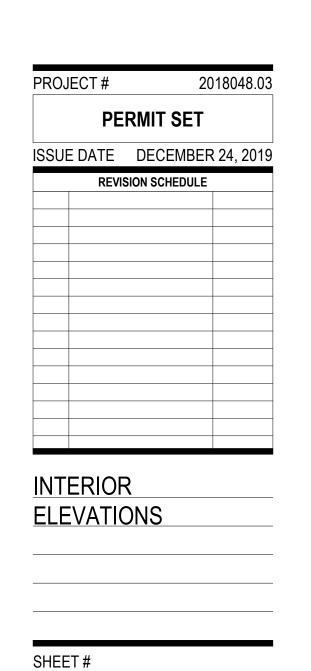


PLAM-1

PLAM-1

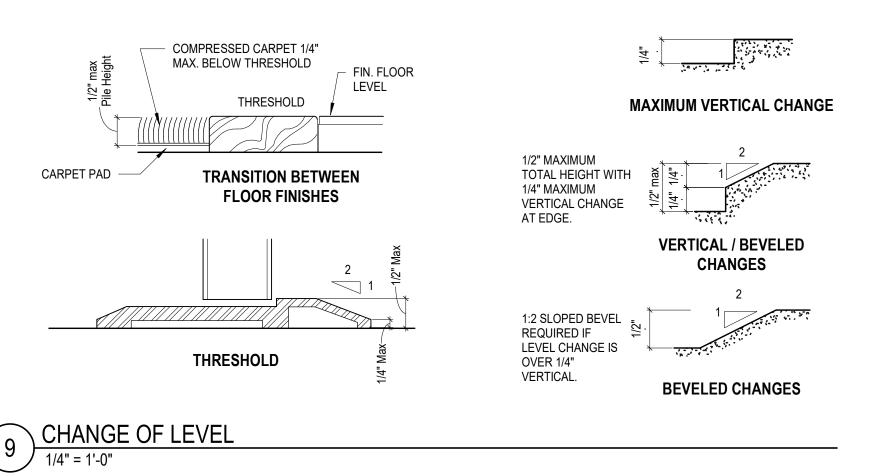






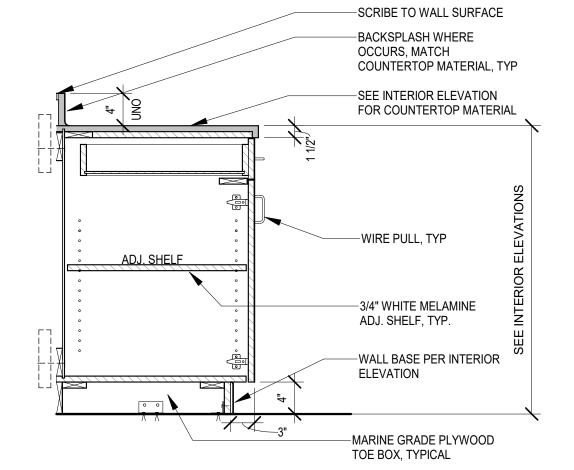
A70.03

## TYP. COUNTER SUPPORT



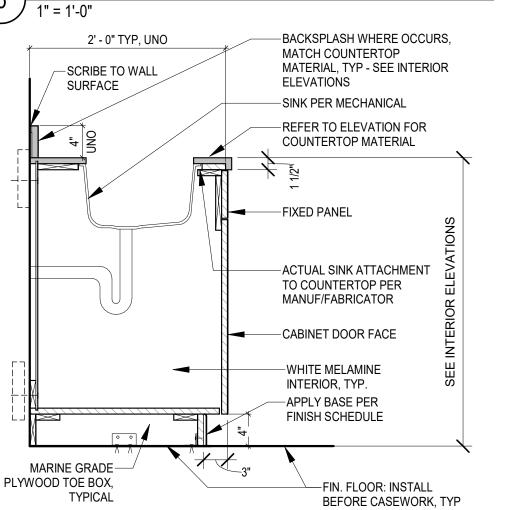
NOTES: FULLY WELD BRACE ASSEMBLY, GRIND WELDS SMOOTH PROVIDE BRACE SO NO COUNTER SPAN IS GREATER THAN 3'-6" ANGLE FRONT EDGE-TUBE STEEL BRACE, PAINT -TO MATCH WALL COLOR HOLES FOR FASTENERS @ CONCEALED CONDITIONS, TYP. HOLES FOR FASTENERS @ -SURFACE MOUNT CONDITIONS, TYP. BEVEL BOTTOM EDGE-

## TYP COUNTER BRACE DETAIL



## TYP. UPPER CABINET

TYP. BASE CABINET W/SINK



GWB SOFFIT TO CEILING WHERE

DOOR

INTERIOR, TYP

-3/4" VALANCE W/ PLAM FIN.

WHERE OCCURS - SEE ELEC

-UNDER CABINET LIGHT

WIRE PULL, TYP

OCCURS (SEE INTERIOR ELEVATIONS)

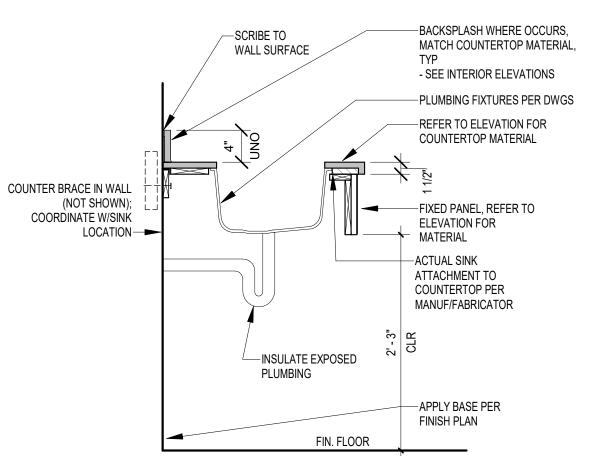
PLAM FINISH ON ALL EXPOSED SIDES OF

-3/4" WHITE MELAMINE ADJUSTABLE SHELF

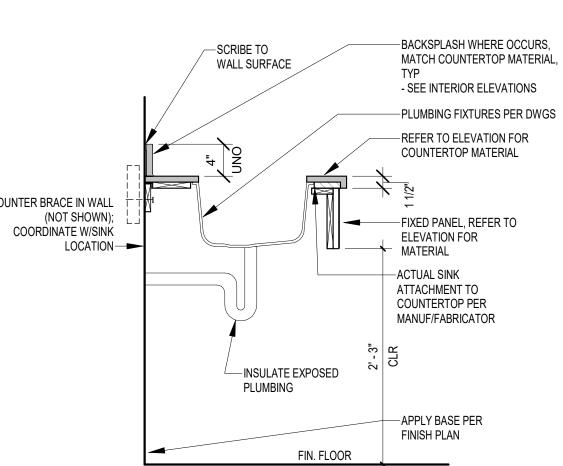
-CABINET (BOX) CONSTRUCTED FROM 3/4"

SUBSTRATE, WHITE MELAMINE FACED @

WHERE SHOWN IN ELEVATION, TYP



∖ SINK W/APRON DETAIL



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## RENOVATION KRL BUILDING 3700 NW SILVE 900

PROJECT# 2018048.03 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** 

**INTERIOR DETAILS** 

SHEET#

, ACT - SEISMIC BRACING DETAIL

DOES NOT EXCEED 90 LB (400N).

PERIMETER SUPPORT ANGLE:

SEISMIC ZONES D, E OR F

SUSPENSION WIRE:

MAIN RUNNER,

CROSS RUNNER,

SPACING VARIES, TYP

SPACING VARIES, TYP

ALL CEILING PENETRATIONS (COLUMNS ETC.) AND —

CLEARANCES BY USING SUITABLE CLOSURE DETAIL

SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE -

A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE

HORIZONTAL RESTRAINT POINT (SEE DIAGRAM BELOW): -

COMPRESSION POST AND BRACING WIRES

CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST

• 12'-0" OC IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6

BRACING WIRES:

LATERAL FORCE BRACING DIAGRAM

1. SUSPENDED CEILING SYSTEM INSTALLATION SHALL BE INSTALLED PER IBC 2015 (IBC

3. SPREADER (SPACER) BARS OR OTHER MEANS APPROVED BY THE LOCAL BUILDING

4. FOR CEILING AREAS EXCEEDING 2,500 SF, A SEISMIC SEPARATION JOINT OR FULL

CEILING BRACING SYSTEM FOR THE PRESCRIBED SEISMIC FORCES THAT DEMONSTRATE CEILING PENETRATIONS AND CLOSURE ANGLES OR CHANNELS

SHALL BE INDEPENDENT OF ANY CEILING LATERAL FORCE BRACING.

INDIVIDUAL FASTENER DOES NOT EXCEED 250 LB (1,112N).

DEPT. SHALL BE USED TO PREVENT ENDS OF MAIN BEAMS AT PERIMETER WALLS FROM

SPREADING OPEN DURING A SEISMIC EVENT. PERIMETER WIRES SHALL NOT BE USED

HEIGHT PARTITION THAT BREAKS THE CEILING UP INTO AREAS NOT EXCEEDING 2,500

4, SHALL BE PROVIDED UNLESS STRUCTURAL ANALYSES ARE PERFORMED OF THE

PROVIDE SUFFICIENT CLEARANCE TO ACCOMMODATE THE ANTICIPATED LATERAL

CHANNELS IN ACCORDANCE WITH THE PERIMETER SUPPORT ANGLE DESCRIBED ABOVE

5. CHANGES IN CEILING PLANE ELEVATION SHALL HAVE INDEPENDENT POSITIVE BRACING.

FEET IN HEIGHT SHALL BE LATERALLY BRACED TO THE STRUCTURE. SUCH BRACING

CATEGORIES D, E, OR F UNLESS APPROVED FOR SEISMIC LOADING. POWER ACTUATED

ACOUSTICAL TILE OR LAY-IN PANEL SUSPENDED CEILING APPLICATIONS AND

b. POWER ACTUATED FASTENERS IN STEEL WHERE THE SERVICE LOAD ON ANY

DISTRIBUTED SYSTEMS WHERE THE SERVICE LOAD ON ANY INDIVIDUAL FASTENER

6. PARTITIONS THAT ARE TIED TO THE CEILING AND ALL PARTITIONS GREATER THAN 6

7. POWER ACTUATED FASTENERS IN CONCRETE OR STEEL SHALL NOT BE USED FOR

SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS IN SEISMIC DESIGN

FASTENERS IN MASONRY ARE NOT PERMITTED UNLESS APPROVED FOR SEISMIC

a. POWER ACTUATED FASTENERS IN CONCRETE USED FOR SUPPORT OF

DISPLACEMENT. EACH AREA SHALL BE PROVIDED WITH CLOSURE ANGLES OR

SF, EACH WITH A RATIO OF THE LONG TO SHORT DIMENSION LESS THAN OR EQUAL TO

808 AND IBC 1604.10), ASCE 7-10, AND ASTM E580.

AND HORIZONTAL RESTRAINTS OR BRACING.

IN LIEU OF SPREADER BARS.

LOADING.

A. EXCEPTIONS:

2. THIS DETAIL APPLIES TO SEISMIC DESIGN CATEGORIES D, E, AND F.

• (4) 12 GA WIRES ATTACHED TO THE MAIN BEAM. WIRES ARE ARRAYED 90° FROM EA

FROM THE PLANE OF CEILING.

SUSPENDED CEILING.

• WIRES ARE TO BE WITHIN 2" OF THE CONNECTION OF THE VERTICAL STRUT TO

OTHER & AT AN ANGLE NOT EXCEEDING 45°

- COMPRESSION POST

PER CEILING SYSTEM MANUFACTURER

- HEAVY DUTY MAIN

RUNNER

— CEILING TILE

- CROSS RUNNER

INDEPENDENTLY SUPPORTED FIXTURES OR SERVICES SHALL BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE REQUIRED

1" IN ALL HORIZONTAL DIRECTIONS.

'-0" FROM EACH WALL

• MIN 12 GA STEEL WIRE

4'-0" OC ALONG EACH MAIN RUNNER

• THE PERIMETER SUPPORT ANGLE SHALL SUPPLY A SUPPORT LEDGE OF

NOT LESS THAN 2" OR MANUFACTURER ASSEMBLY APPROVED FOR USE IN

• MAIN RUNNER OR CROSS RUNNER ENDS, OR BOTH, SHALL BE ATTACHED TO

MAINTAINED BETWEEN THE MAIN RUNNER AND CROSS RUNNER ENDS AND

THE PERIMETER MEMBERS ON THE TWO OPPOSITE WALLS. ON THE WALLS

WHERE THE TERMINAL END RUNNERS ARE NOT FIXED TO THE PERIMETER

PLAN DIAGRAM

SUPPORTING CLOSURE, ALLOW FOR 3/4" AXIAL MOVEMENT

• 8" MAX FROM WALL ON ALL TERMINAL ENDS OF RUNNERS

THE PERIMETER ON TWO ADJACENT WALLS. A CLEARANCE OF 3/4" SHALL BE

—GWB SOFFIT TO CEILING WHERE OCCURS (SEE INTERIOR ELEVATIONS)

DOOR

- COORDINATE

1' - 4 1/4"

ADJ. SHELF

TYP BASE CABINET W/DOOR

BACKING W/ ELEC

OUTLET LOCATION

TYP UPPER CABINET WITH MICROWAVE

-WIRE PULL, TYP

INTERIOR, TYP

—3/4" VALANCE W/ PLAM FIN.

WHERE OCCURS - SEE ELEC

—SCRIBE TO WALL SURFACE

SEE INTERIOR ELEVATIONS

FOR COUNTERTOP MATERIAL

-WIRE PULL, TYP

→ INTERIOR ELEVATION

MARINE GRADE

PLYWOOD TOE BOX, TYP,

PER INTERIOR ELEVATION

-REMOVABLE PANEL WHERE OCCURS,

-3/4" WHITE MELAMINE

ADJ. SHELF, TYP, UNO

-BACKSPLASH WHERE OCCURS -

REFER TO INTERIOR ELEVATIONS

-UNDER CABINET LIGHT

-PLAM FINISH ON ALL EXPOSED SIDES OF

-CABINET (BOX) CONSTRUCTED FROM 3/4"

SUBSTRATE, WHITE MELAMINE FACED @

Permit Number: 19-05911

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RESILIENT FLOORING PER FINISH SCHEDULE.

- SUBFLOOR

LEVELER -

FEATHER SUBSTRATE TO

UNIFORM TRANSITION

**OBTAIN SMOOTH** 

REGISTERED ARCHITECT STEVEN M. RICE STATE OF WASHINGTON

RENOVATION

KRL

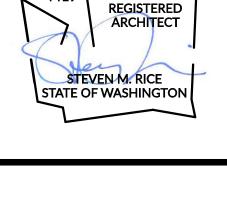
KSD/

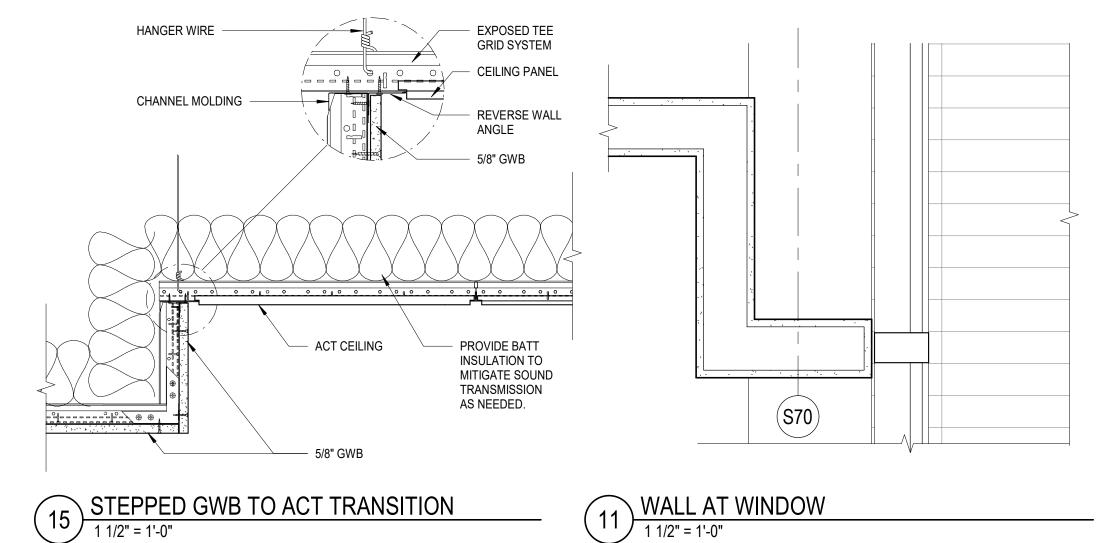
**CKSD** BUILDING

900

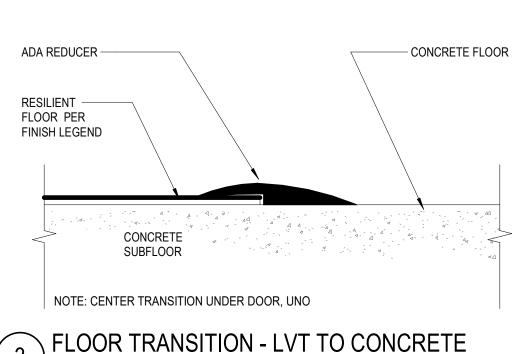
**\ PERIMETER INFILL** 1 1/2" = 1'-0"

**\ FLOORING TRANSITION - WO TO RESILIENT** 



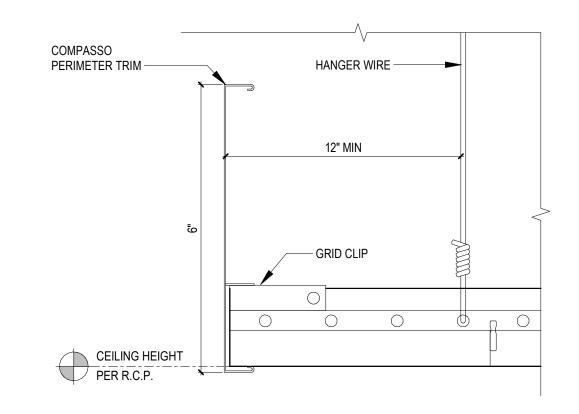


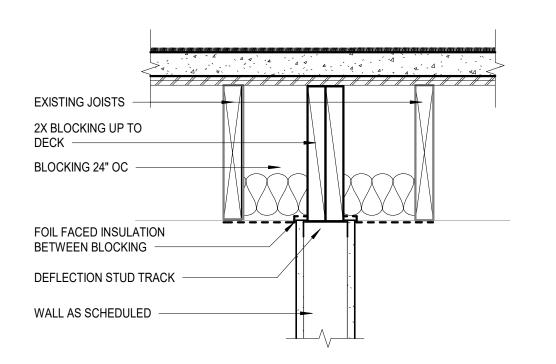
- PAINTED GWB TILE TRIM, BASIS OF DESIGN: SCHLUTER 'JOLLY', ALUMINUM - WALL TILE PER INTERIOR **ELEVATIONS** 

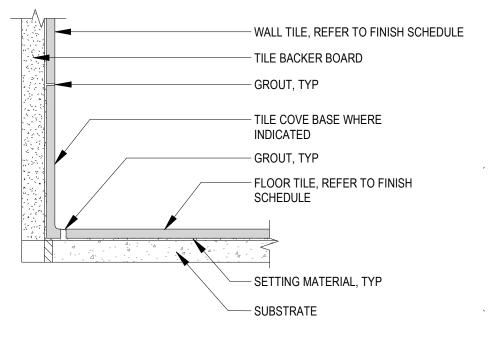


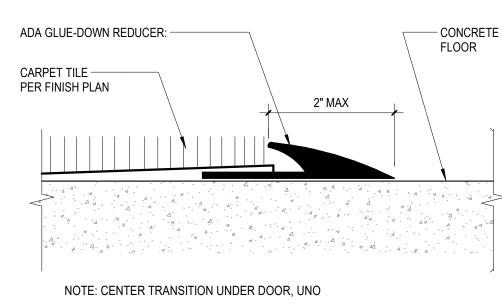
7 TYP TILE TRIM DETAIL
6" = 1'-0"

3 FLOOR TRANSITION - LVT TO CONCRETE
12" = 1'-0"









6 TYP TILE BASE DETAIL

ADA GLUE-DOWN -

REDUCER

CARPET TILE -

PER FINISH PLAN

2018048.03 PROJECT# **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

**INTERIOR DETAILS** 

SHEET# 

- RESILIENT

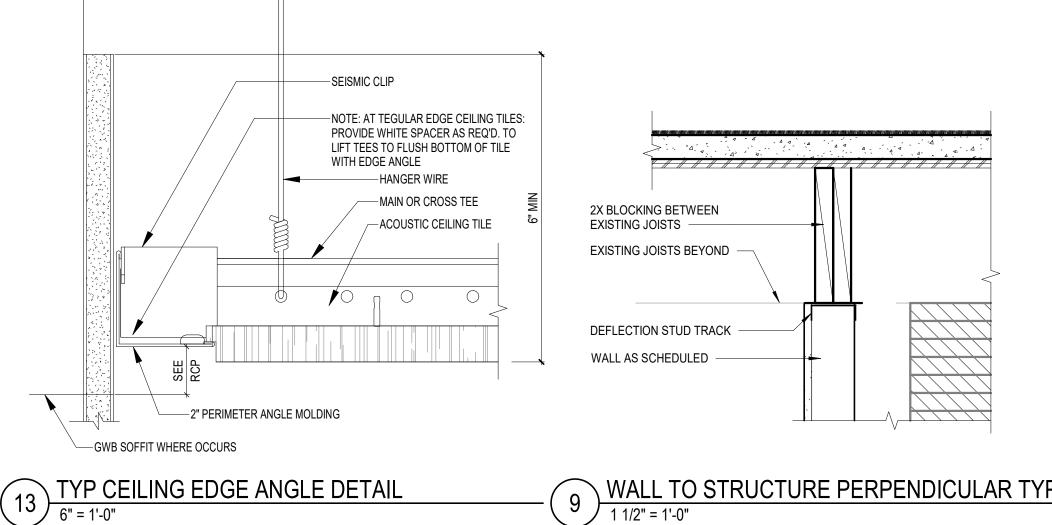
FLOOR PER

FINISH PLAN

COMPASSO EDGE DETAIL, TYP AT ACT CLOUDS

(10) WALL TO STRUCTURE PARALLEL TYP

1 1/2" = 1'-0"



STAINLESS STEEL OR ALUM. TRANSITION STRIP (BASIS OF DESIGN: SCHLUTER 'SCHEINE' OR EQUIVALENT) CAULK -RESILIENT FLOORING PER -- FLOOR TILE PER FINISH SCHEDULE FINISH SCHEDULE - RECESSED PORTION — SETTING SUBFLOOR LEVELER - FEATHER -OF CONCRETE SLAB MATERIAL SUBSTRATE TO OBTAIN SMOOTH UNIFORM TRANSITION

NOTE: CENTER TRANSITION UNDER DOOR, UNO

5 FLOORING TRANSITION - TILE TO RESILIENT

12" = 1'-0"

9 WALL TO STRUCTURE PERPENDICULAR TYP
1 1/2" = 1'-0"

TYPICAL AT ALL EXISTING

INTERIOR STAIRS

1-1/2" OD STEEL PIPE

SMOOTH

HANDRAIL - GRIND WELDS

STEEL BRACKET, ATTACH

WITH COUNTERSUNK EXPANSION FASTENERS

STAIR TREAD - SEE FINISH

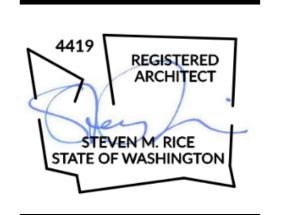
PLAN / SCHEDULE

EXISTING CONCRETE

- EXISTING STAIR GUTTER, FILL WITH GROUT FLUSH

WITH EXISTING

Permit Number: 19-05911



## RENOVATION KSD/ CKSD/ 900 BUILDING

- CAN LIGHT PER ELECTRICAL

-PLAM-1

GYP CEILING

\_\_\_\_\_\_TX-2

TX-2

—(TX-1)

PLAM-1

PROVIDE
POWER AT
BASE, SEE
ELECT

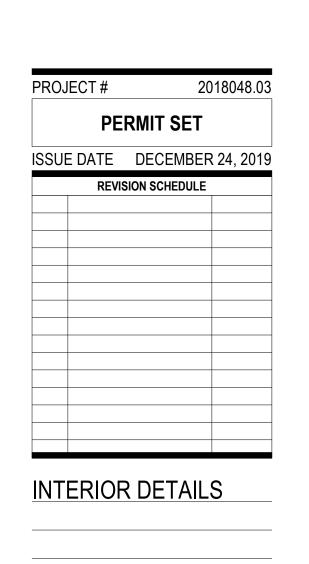
7 1/2"

1' - 10 1/2"

UPHOLSTERED HIGH
DENSITY FOAM AT BACK

AND SEAT

1 BOX BANQUETTE SECTION DETAIL
1 1/2" = 1'-0"



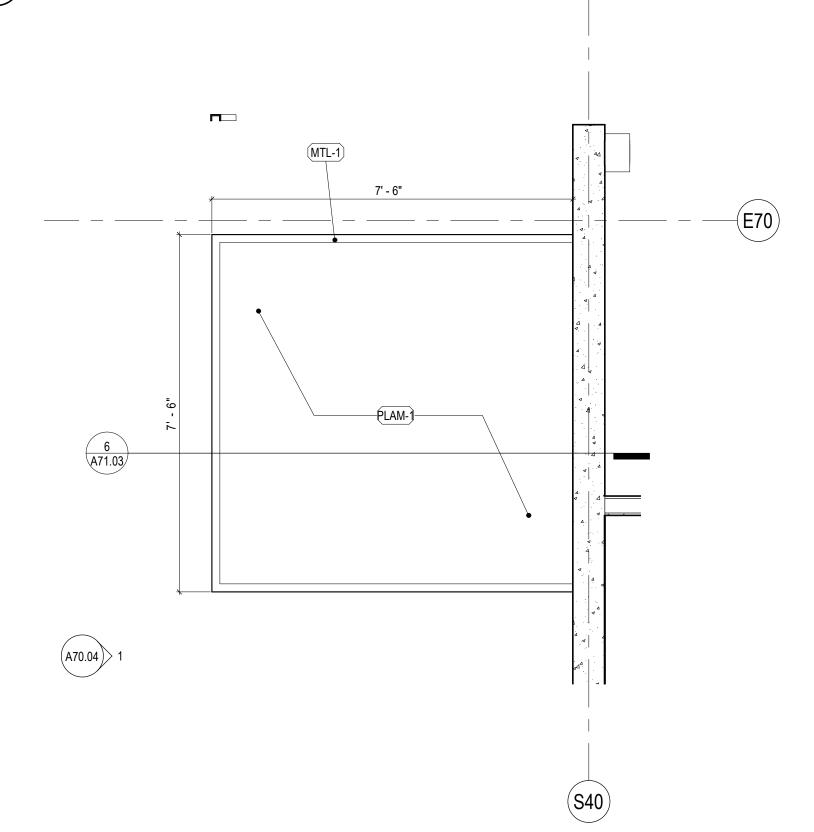
SHEET#

A71.03

PLAM-1

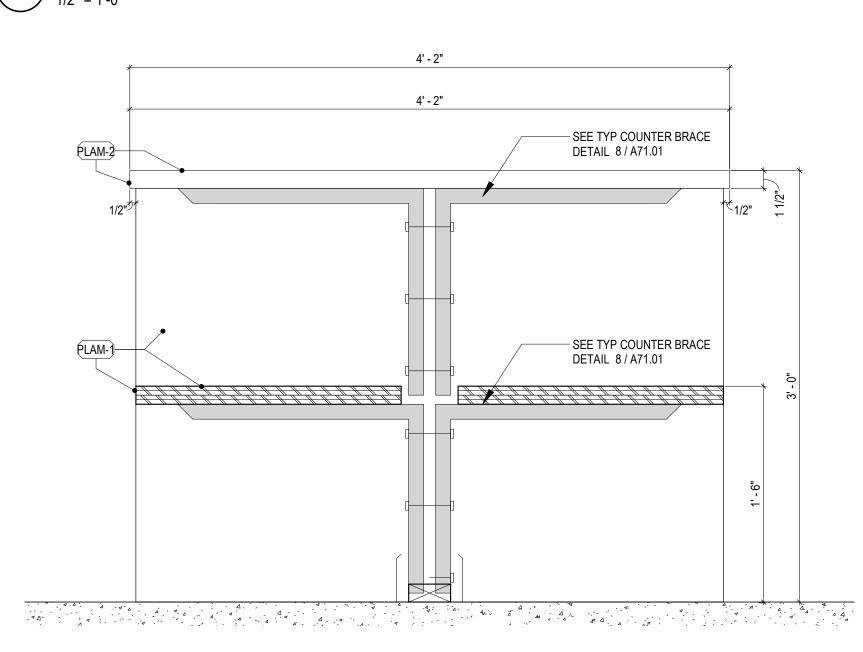
6 UNDER STAIR PLINTH SECTION

1" = 1'-0"

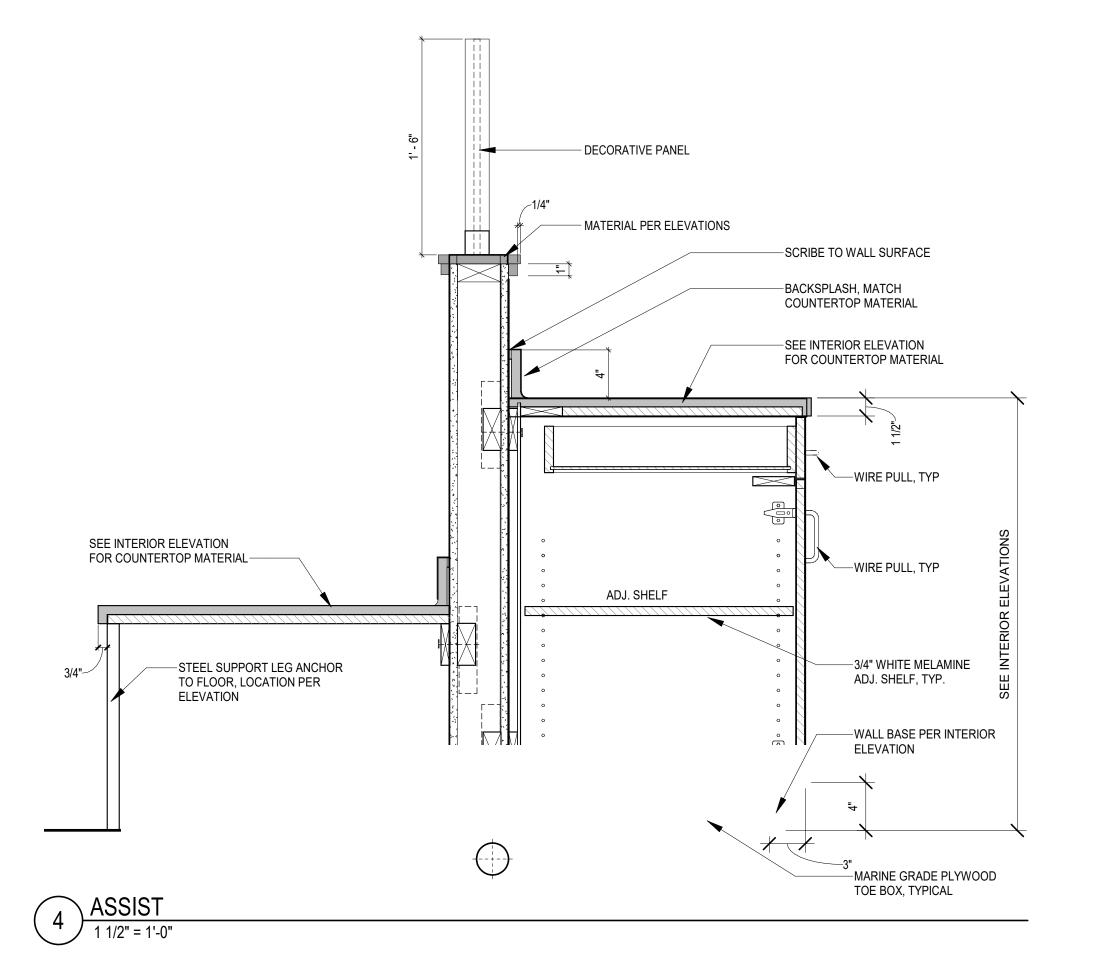


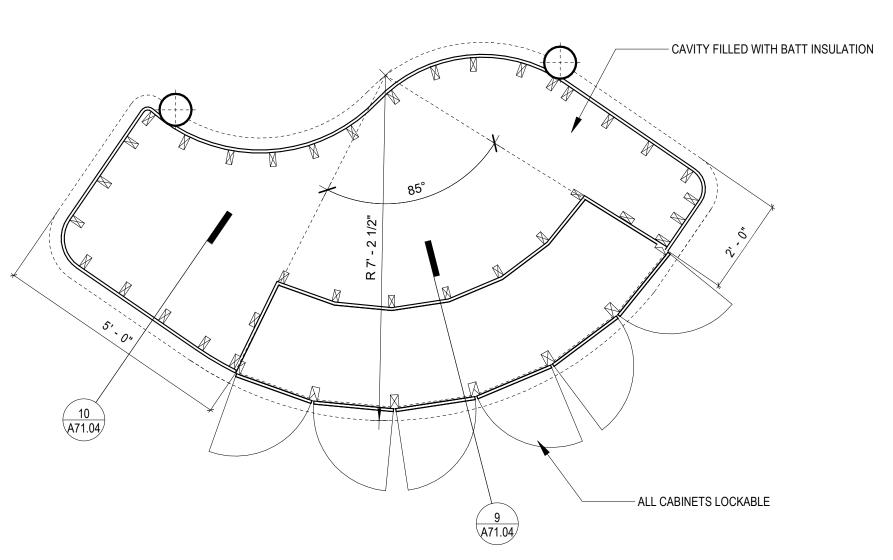
5 UNDER STAIR PLINTH

1/2" = 1'-0"



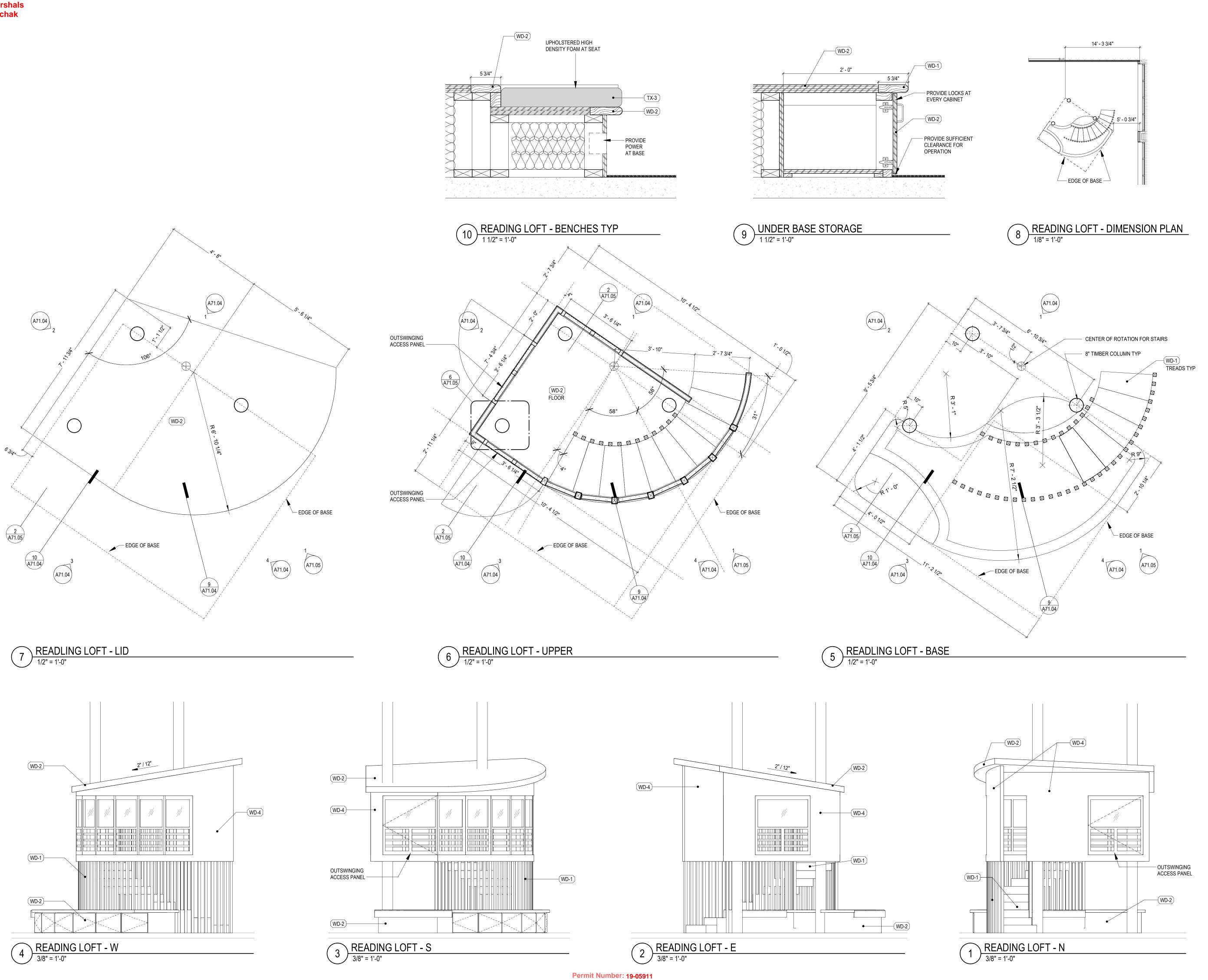
3 LOUD WORK ISLAND DETAIL
1 1/2" = 1'-0"





2 READLING LOFT - BASE STORAGE
1/2" = 1'-0"

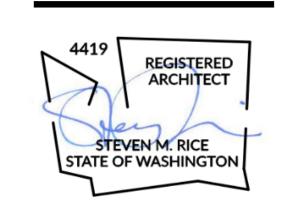
Permit Number: 19-05911



RICE/CYCLSMILLER

ARCHITECTURE INTERIORS PLANNING VIZLAB

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# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

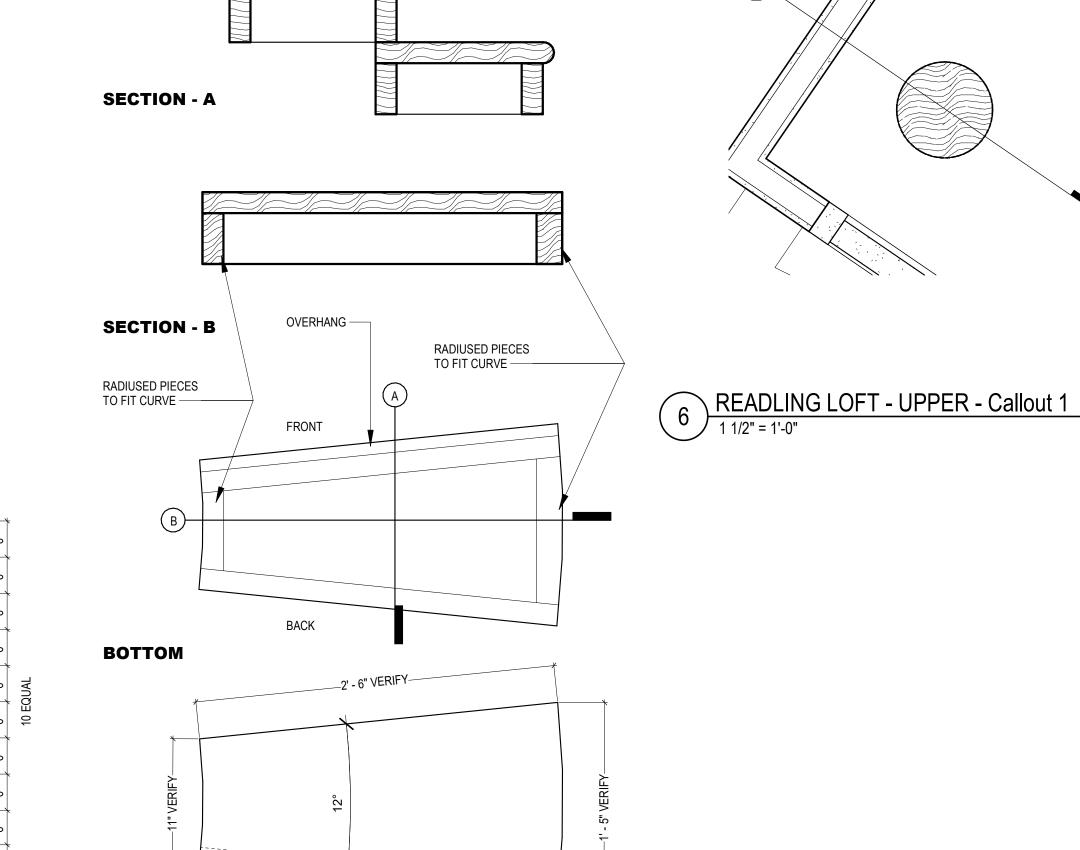
PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

INTERIOR DETAILS

A71.04



1 3/4" OVERLAP



LID STRUCTURE

1/2" A-FACED PLYWOOD

2X FRAMING BOLTED TO
STEEL STRUCTURE

1/2" A-FACED PLYWOOD —

1/2" X 1" FURRING -

STEEL COLLAR BOLTED TO COLUMN

WALL STRUCTURE
• 1/2" A-FACED PLYWOOD
• 2X FRAMING

1/2" A-FACED PLYWOOD —

1/2" X 2" FURRING -

FLOOR STRUCTURE

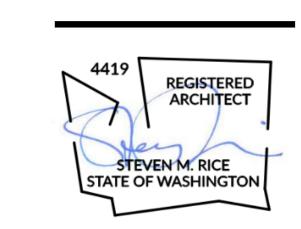
• 3/4" A-FACED PLYWOOD

• 2X FRAMING BOLTED TO
STEEL STRUCTURE

• 3/4" A-FACED PLYWOOD —

STEEL COLLAR BOLTED TO COLUMN

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337



RENOVATION KSD/ 900 BUILDING

PROJECT# 2018048.03 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE INTERIOR DETAILS

SHEET# A71.05

TREADS SHOWN AT ANGLES, THIS DRAWING TO BE USED FOR HORIZONTAL

READING LOFT - SECTION

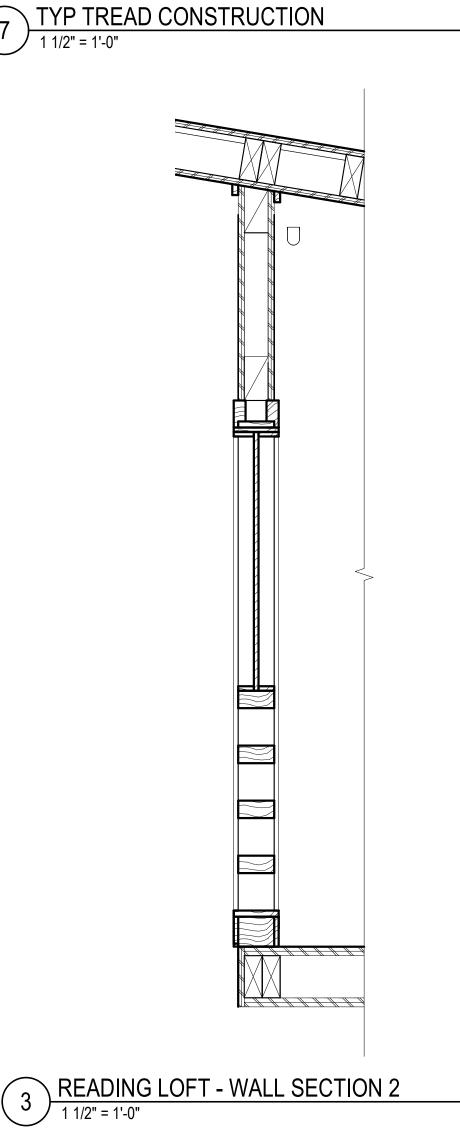
3/4" = 1'-0"

BASE

DIMENSIONING ONLY

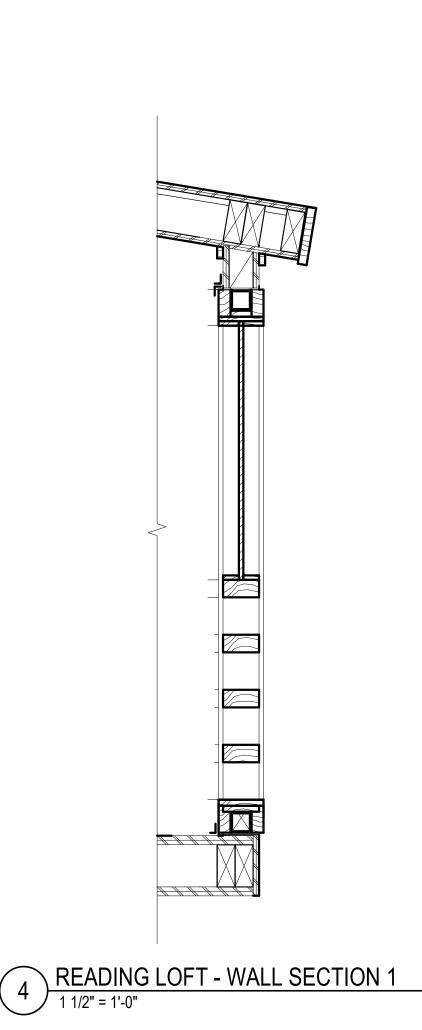
1 READING LOFT - STAIR ELEVATION

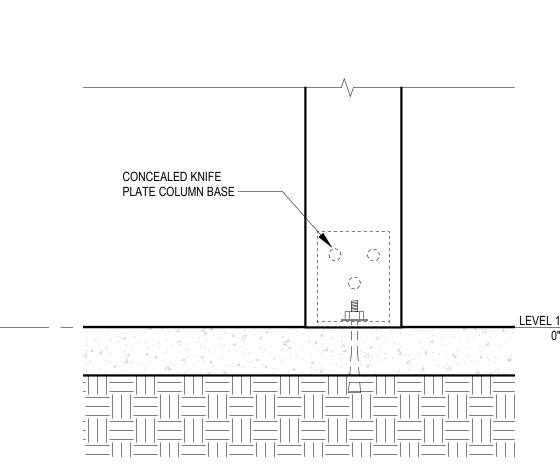
3/4" = 1'-0"



OVERLAP FROM RISER ABOVE -

TOP





5 READING LOFT - COLUMN CONNECTIONS
1 1/2" = 1'-0"

## GENERAL

<u>DRAWINGS</u> INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS AND NOTES SHOWN ON THESE DRAWINGS ARE PART OF THE CONSTRUCTION CONTRACT AND SHALL BE PROVIDED BY THE CONTRACTOR. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS BUT SHALL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS AND NOTES. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER CONTRACT DOCUMENTS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO CONSTRUCTION.

<u>DISCREPANCIES:</u> IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS SHALL TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. DIMENSIONS NOTED IN THE DRAWINGS SHALL BE FOLLOWED. DO NOT SCALE DRAWINGS.

SPECIFICATIONS: REFER TO SPECIFICATIONS FOR INFORMATION IN ADDITION TO THESE NOTES AND DRAWINGS.

<u>ARCHITECTURAL:</u> REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DEPRESSIONS, NON-BEARING WALLS, FASCIA, ELEVATORS, STAIRS, CURBS, DRAINS, RAILINGS, WATERPROOFING, FINISHES, ETC.

<u>CONTRACTOR-INITIATED CHANGES:</u> SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO FABRICATION AND CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS OR SUBMITTALS ONLY WILL NOT SATISFY THIS REQUIREMENT.

CONTRACTOR RESPONSIBILITIES: DRAWINGS REPRESENT DESIGN OF STRUCTURE IN COMPLETED FORM. CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS, SEQUENCES, AND SAFETY PRECAUTIONS REQUIRED TO PERFORM WORK.

CONTRACTOR SHALL DESIGN AND PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION, AND SOIL EXCAVATION AS REQUIRED. SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS, AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH.

EXISTING CONDITIONS: CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED EITHER ON SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY ENGINEER PRIOR TO COMMENCING ANY WORK.

STRUCTURAL OBSERVATION SHALL BE PERFORMED PER IBC SECTION 1704.6

<u>SPECIAL INSPECTION</u> PER IBC SECTION 1704, SHALL BE PERFORMED BY AN AGENCY APPROVED BY THE BUILDING OFFICIAL AND AS OUTLINED IN THE STRUCTURAL INSPECTION SCHEDULE.

## CODES

<u>BUILDING CODE:</u> ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON.

RISK CATEGORY: III (IBC TABLE 1604.5)

STANDARDS: REFERENCE TO ASTM AND OTHER STANDARDS SHALL MEAN THE LATEST EDITION IN EFFECT ON THE BID DATE, UNLESS NOTED IN THESE DOCUMENTS OR DESIGNATED BY THE GOVERNING CODE.

DESIGN CRITERIA

## FLOOR DESIGN DATA:

IN ADDITION TO THE SELF WEIGHT, THE FOLLOWING LOADS ARE USED FOR DESIGN:

	UNIFORM LIVE LOAD ( PSF )	CONCENTRATED LIVE LOAD (LBS)	SUPERIMPOSED  DEAD LOAD  ( PSF )	REDUCIBLE ( SEE NOTE )
OFFICES	50	2,000	5	YES
FIRST FLOOR CORRIDORS	100	2,000	5	YES
UPPER FLOOR CORRIDORS	80	2,000	5	YES
OFFICE PARTITIONS	15	-	-	NO
SCHOOL CLASSROOMS	40	1,000	5	YES
STAIRS	100	300	5	YES

WHERE APPLICABLE, LIVE LOADS HAVE BEEN REDUCED PER IBC SECTION 1607.10.2

## SNOW DESIGN DATA:

GROUND SNOW LOAD	$P_g = 20 PSF (ASCE 7 FIGURE 7-1)$
FLAT-ROOF SNOW LOAD	P <sub>f</sub> = 25 PSF MIN UNIFORM SNOW
	LOAD IN ACCORDANCE WITH SEAW WHITE PAPER 8-2010
SNOW EXPOSURE FACTOR	$C_e = 1.0 \text{ (ASCE 7 TABLE 7-2)}$
SNOW LOAD IMPORTANCE FACTOR	I <sub>S</sub> = 1.1 (ASCE 7 SECTION 7.3.3)
THERMAL FACTOR	$C_t = 1.0 \text{ (ASCE 7 TABLE 7-3)}$

## WIND DESIGN DATA:

TYPE OF STRUCTURE RIGID (ASCE 7 SECTION 26.9.2)

BASIC WIND SPEED V = 115 MPH, ULTIMATE 3 SECOND GUST (ASCE 7 FIG 26.5-1A - 26.5-1C)  $V_{ASD} = 90 \text{ MPH}$ , NOMINAL 3 SECOND GUST (IBC EQUATION 16-33)

EXPOSURE CATEGORY B (ASCE 7 SECTION 26.7.3)

INTERNAL PRESSURE COEFFICIENT 0.18 (ASCE 7 FIGURE 26.11-1)

ENCLOSURE CLASSIFICATION ENCLOSED (ASCE 7 SECTION 26.10.1)

## EXISTING STRUCTURE EARTHQUAKE DESIGN DATA:

PERFORMANCE LEVEL	DAMAGE CONTROL
EXISTING SEISMIC-FORCE-RESISTING SYSTEM:	WALLS: REINFORCED MASONRY (CMU)
	DIAPHRAGM: PLYWOOD SHEATHED ROOF AND FLOOR DIAPHRAGM
ANALYTICAL PROCEDURE:	LINEAR STATIC PROCEDURE
PSEUDO SEISMIC BASE SHEAR ( ASCE 41 SECTION 7.4.1.3.1 )	$C_1 C_2 C_m S_{a-1E} = 3022 KIPS$ $C_1 C_2 C_m S_{a-2E} = 4700 KIPS$
SITE CLASS  LEVEL OF SEISMICITY	D ( ASCE 41 SECTION 2.5 ) HIGH ( ASCE 41 SECTION 2.5 )
$S_{S-1E} = 0.512g$ ( ASCE 41 SECTION 2.4.1.4 ) $S_{1-1E} = 0.192g$ ( ASCE 41 SECTION 2.4.1.4 ) $S_{XS-1E} = 0.71g$ ( ASCE 41 SECTION 2.4.1.6 ) $S_{X1-1E} = 0.39g$ ( ASCE 41 SECTION 2.4.1.6 )	

## GEOTECHNICAL

ALLOWABLE SOIL PRESSURE, LATERAL EARTH PRESSURE, AND SOIL PROFILE TYPE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER OR INSPECTOR. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED OR FOUND TO BE EXPANSIVE, NOTIFY THE CONTRACTING OFFICER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH OR CONTROLLED, COMPACTED STRUCTURAL FILL AT LEAST 18" BELOW LOWEST ADJACENT EXTERIOR FINISHED GRADE. FOOTING DEPTHS AND ELEVATIONS SHOWN ON DRAWINGS ARE MINIMUM AND FOR GUIDANCE ONLY; CONTRACTOR SHALL ESTABLISH ACTUAL ELEVATIONS IN FIELD. BACKFILL BEHIND ALL WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE IN AN APPROVED MANNER.

ASSUMED SOIL PROFILE TYPE SITE CLASS "D"
ALLOWABLE VERTICAL DESIGN PRESSURE 3 000 PSE (BASE

 $S_{S-2E} = 1.01g$  (ASCE 41 SECTION 2.4.1.3)

 $S_{1-2E} = 0.407g$  (ASCE 41 SECTION 2.4.1.3)

 $S_{XS-2E}$  = 1.11g (ASCE 41 SECTION 2.4.1.6)  $S_{XS-2E}$  = 0.65g (ASCE 41 SECTION 2.4.1.6)

ALLOWABLE VERTICAL DESIGN PRESSURE 3,000 PSF (BASED ON ORIGINAL DRAWINGS)
LATERAL EARTH PRESSURE, LEVEL BACKFILL:

## SUBMITTALS

GLUED-LAMINATED MEMBERS

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION OF THESE ITEMS:

STRUCTURAL STEEL EMBEDDED ITEMS IN CONCRETE CONCRETE MIX DESIGN CONCRETE REINFORCING

CONTRACTOR SHALL REVIEW AND STAMP SUBMITTALS PRIOR TO SUBMISSION. DIMENSIONS AND QUANTITIES ARE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS PLACED PRIOR TO RECEIPT OF REVIEWED SHOP DRAWINGS. CONTRACTOR SHALL ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

<u>DEFERRED SUBMITTALS:</u> DRAWINGS AND CALCULATIONS FOR BIDDER-DESIGNED COMPONENTS, SEALED BY THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN, SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. DEFERRED SUBMITTALS INCLUDE:

CURTAIN WALL AND CLADDING SYSTEMS SEISMIC BRACING AND ANCHORAGE OF MECHANICAL UNITS AND FIXTURES

SUBMITTALS OF BIDDER-DESIGNED COMPONENTS SHALL INCLUDE LOCATIONS, MAGNITUDES, AND DIRECTIONS OF ALL FORCES TRANSFERRED TO THE STRUCTURE. CALCULATIONS SUBMITTED FOR BIDDER-DESIGNED COMPONENTS ARE FOR INFORMATION ONLY AND WILL NOT BE REVIEWED.

SEISMIC BRACING AND ANCHORAGE OF MECHANICAL UNITS AND OTHER MECHANICAL AND ELECTRICAL FIXTURES NOT SPECIFICALLY SHOWN ON THE PROJECT DRAWINGS SHALL BE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. THE MECHANICAL AND ELECTRICAL CONTRACTORS MUST RETAIN THE SERVICES OF A STRUCTURAL ENGINEER AND IS RESPONSIBLE FOR ALL COSTS RELATED TO THE PURCHASE AND INSTALLATION OF SEISMIC BRACING AND ANCHORAGE OF THEIR SYSTEMS.

## RENOVATION:

<u>DEMOLITION:</u> CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. EXISTING REINFORCING SHALL BE SAVED WHERE POSSIBLE AND AS NOTED ON DRAWINGS. SAW-CUTTING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE SAVED. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS SHALL BE LIMITED TO 40 PSF.

- 1. ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS, AND BEAMS SHALL BE ACCOMPLISHED BY SAWCUTTING WHEREVER POSSIBLE. ALL NEW OPENINGS SHALL BE SAWCUT NEAT AND CLEAN; NO OVERCUTTING AT OPENING CORNERS SHALL BE ALLOWED, UNLESS NOTED OTHERWISE. AS REQUIRED, CORE DRILL CORNERS AND CHIP, GRIND, OR CUT THE CORNERS TO PROVIDE REQUIRED DIMENSIONS.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS.
- 3. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING.

## CONCRETE:

<u>REFERENCE STANDARDS:</u> CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS, EXCEPT AS MODIFIED BELOW:

ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"

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## CKSD / KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PERMIT ISSUE

ISSUE DATE DECEMBER 23, 2019

REVISION SCHEDULE

GENERAL STRUCTURAL NOTES

SHEET#

S00.01

ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE"

ACI 311 "GUIDE FOR CONCRETE INSPECTION" ACI SP-15\* "FIELD REFERENCE MANUAL"

\*A COPY SHALL BE KEPT IN THE CONTRACTOR'S FIELD OFFICE AT ALL TIMES.

## **MATERIALS**:

ASTM C150, C595 CEMENT \*AGGREGATES ASTM C33 **ADMIXTURES** 

ASTM C260, C494, C1017 \* \*FLY ASH ASTM C618, CLASS F OR C

\*AGGREGATES THAT EXHIBIT DELETERIOUS ACTIVITY WHEN EVALUATED IN ACCORDANCE WITH ASTM C33 APPENDIX XI SHALL NOT BE USED. THE 'SAND EQUIVALENT' FOR FINE AGGREGATE SHALL NOT BE LESS THAN 75.\* \*MAXIMUM LOSS ON IGNITION SHALL BE 1%.

CONCRETE MIXES SHALL BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. MIX DESIGNS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW BY ENGINEER PRIOR TO USE. COMPLY WITH IBC SECTION 1904. MIXES SHALL MEET OR EXCEED THE **FOLLOWING CRITERIA:** 

TYPE OF CONSTRUCTION	SPECIFIED COMPRESSIVE STRENGTH (f'c) AT 28 DAYS, UNO	MAXIMUM WATER/CEMENT <u>RATIO</u>	EXPOSURE CLASS ( ACI 318-14 TABLES 19.3.1.1 AND 19.3.2.1 )
CONCRETE EXPOSED TO WEATHER (BASEMENT WALLS)	4,500 PSI	0.45	F2, S0, W0, C1
BELOW-GRADE CONCRETE (FOOTINGS)	3,500 PSI	0.55	F1, S0, W0, C1
MISCELLANEOUS EXTERIOR CONCRET ( EXTERIOR SLABS AND SITE WALLS )	E 4500 PSI	0.45	F2, S0, W0, C1
INTERIOR SLABS-ON-GRADE	4,000 PSI	0.40* *	F0, S0, W0, C1
COLUMNS AND SHEAR WALLS	4,000 PSI		F0, S0, W0, C0

<sup>\* \*</sup>WATER-CEMENTITIOUS MATERIAL RATIO FOR INTERIOR SLABS SHALL BE 0.40 UNLESS OTHERWISE NOTED.

CONCRETE MIXES SHALL MEET OR EXCEED THE REQUIREMENTS SPECIFIED ABOVE. MIXES SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING OFFICIAL FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE AND SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES, AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 318, CHAPTER 26. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

ADMIXTURES: ALL CONCRETE, INCLUDING SLABS ON GRADE, SHALL HAVE A WATER-REDUCING ADMIXTURE COMPLYING WITH ASTM C494 ADDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CALCIUM CHLORIDE OR OTHER CHLORIDE ADMIXTURES SHALL NOT BE USED.

ALL HORIZONTAL SURFACES EXPOSED TO WEATHER SHALL CONTAIN AN AIR-ENTRAINING AGENT COMPLYING WITH ASTM C260. THE AMOUNT OF ENTRAINED AIR SHALL BE IN ACCORDANCE WITH ACI 318-14 TABLE 19.3.3.1. TESTS FOR AIR CONTENT SHALL BE MADE AT THE DISCHARGE END OF THE TRUCK'S PLACING HOSE IN ACCORDANCE WITH ASTM C173.

WATER/CEMENT RATIO SHALL BE MEASURED BY WEIGHT AND BE BASED ON TOTAL CEMENTITIOUS MATERIAL, INCLUDING CEMENT AND POZZOLANS SUCH AS FLY ASH AND SILICA FUME.

MAXIMUM AGGREGATE SIZE SHALL BE 1 1/2", BUT NOT MORE THAN 3/4 TIMES THE CLEAR DISTANCE BETWEEN

REINFORCING BARS NOR 1/5 TIMES THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS. MAXIMUM AGGREGATE SIZE FOR SLABS ON GRADE SHALL BE 1/3 TIMES THE SLAB THICKNESS.

SLUMP REQUIRED FOR PROPER PLACEMENT SHALL BE DETERMINED BY CONTRACTOR AND SUPPLIER, AND INCLUDED IN MIX DESIGN SUBMITTALS. FIELD MEASURED SLUMP SHALL CONFORM TO SUBMITTED CONCRETE MIX DESIGN. SLUMP SHALL CONFORM TO ASTM C94.

## **MASS CONCRETE:**

CONCRETE PLACED IN MONOLITHIC PLACEMENTS WHERE THE MINIMUM OF ALL THREE DIMENSIONS EXCEEDS 2'-6" SHALL BE CONSIDERED "MASS CONCRETE" AND SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF ACI 301, CHAPTER 8.

ASTM C150 TYPE III CEMENT IS PROHIBITED. UNLESS OTHERWISE SPECIFIED, USE MODERATE OR LOW HEAT OF HYDRATION CEMENT, BLENDED HYDRAULIC CEMENT WITH MODERATE OR LOW HEAT OF HYDRATION PROPERTIES. OR PORTLAND CEMENT WITH FLY ASH, POZZOLAN, OR GROUND-GRANULATED BLAST-FURNACE SLAG. ADDITIVES CONTAINING CALCIUM CHLORIDE ARE PROHIBITED. APPROVED RETARDING, RETARDING HIGH-RANGE WATER REDUCING, OR RETARDING PLASTICIZING ADMIXTURE SHALL BE USED.

THE TEMPERATURE OF CONCRETE AT TIME OF PLACEMENT SHALL NOT EXCEED 90 DEGREES FAHRENHEIT PER ASTM C94. THE AMBIENT TEMPERATURE AT TIME OF PLACEMENT SHALL NOT EXCEED 90 DEGREES FAHRENHEIT OR BE LESS THAT 35 DEGREES FAHRENHEIT. THE MAXIMUM INTERNAL TEMPERATURE DURING CURING SHALL NOT EXCEED 160 DEGREES FAHRENHEIT. CONFORM TO THE REQUIREMENTS OF ACI 305.1 AND ACI 306.1 FOR HOT-WEATHER AND COLD-WEATHER CONCRETING, RESPECTIVELY. IF COOLING METHODS ARE EMPLOYED, THEY SHALL NOT INCREASE THE WATER-CEMENT RATIO OR SLUMP BEYOND ALLOWABLE LIMITS. THE CONCRETE SHALL BE COOLED GRADUALLY SO THAT THE SURFACE TEMPERATURE DROP DOES NOT EXCEED 20 DEGREES FAHRENHEIT IN ANY 24-HOUR PERIOD AFTER PLACEMENT.

SUBMIT DETAILED PROCEDURES, MATERIALS, MIX DESIGNS, AND THE TEST RESULTS INCLUDING HEAT OF HYDRATION TEST DATA PER ASTM C186 TO THE ENGINEER BEFORE CONSTRUCTION OF MASS CONCRETE.

SHOTCRETE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE WHERE APPROVED BY THE ARCHITECT AND ENGINEER. SHOTCRETE WILL NOT BE PERMITTED ON PILASTERS, COLUMNS OR OTHER HEAVILY REINFORCED AREAS UNLESS TEST PANELS ARE APPROVED. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF SHOTCRETE FOR REVIEW.

SHOTCRETE PROCEDURE SHALL BE IN ACCORDANCE WITH IBC SECTION 1908. REINFORCING LAP SPLICES SHALL BE DETAILED ON SHOP DRAWINGS AS NON-CONTACT LAP SPLICES WITH A MINIMUM OF 2" CLEARANCE BETWEEN

EMBEDDED ITEMS: CONDUIT AND SLEEVES SHALL NOT BE EMBEDDED IN OR PASS THROUGH CONCRETE WITHOUT APPROVAL. ALUMINUM ITEMS SHALL NOT BE EMBEDDED IN CONCRETE. SUBMIT CONDUIT LAYOUT AND EMBEDDED ITEM PLANS TO THE ARCHITECT FOR REVIEW BY ENGINEER PRIOR TO PLACING CONCRETE.

BONDING AGENT SHALL BE EPOXY RESIN BASED CONFORMING TO ASTM C881, TYPE V, GRADE 2. USE WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY PLACED OR EXISTING CONCRETE. PLACE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING PREPARATION OF EXISTING SURFACES.

NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI AT 28 DAYS, BUT NOT LESS THAN THE MATERIAL ON WHICH IT IS PLACED UPON.

CONSTRUCTION JOINTS IN WALLS SHALL BE KEYED IN ACCORDANCE WITH TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON DRAWINGS OR, AT CONTRACTOR'S OPTION, SHALL BE AN INTENTIONALLY ROUGHENED CONSTRUCTION JOINT DEFINED BY THE FOLLOWING:

- 1. SURFACE OF JOINT SHALL BE SAND BLASTED OR ROUGHENED WITH A CHIPPING HAMMER TO EXPOSE AGGREGATEEMBEDDED IN PREVIOUS POUR.
- 2. EXPOSED AGGREGATE SHALL PROTRUDE 1/4" MINIMUM.
- 3. JOINT SURFACE SHALL BE CLEANED AND LAITANCE REMOVED.
- 4. JOINT SHALL BE WETTED AND STANDING WATER REMOVED IMMEDIATELY BEFORE NEW CONCRETE IS PLACED.
- 5. SUBMIT CONSTRUCTION JOINT LAYOUT PLAN TO THE ARCHITECT FOR REVIEW BY ENGINEER PRIOR TO PLACINGCONCRETE.

COORDINATION: SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT EXPOSED CONCRETE SURFACES.

## CONCRETE REINFORCEMENT

REFERENCE STANDARDS: CONCRETE REINFORCEMENT SHALL CONFORM TO ALL REQUIREMENTS OF THEFOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, EXCEPT AS MODIFIED BELOW:

ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" ACI SP-66 "ACI DETAILING MANUAL" "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318 CRSI "PLACING REINFORCING BARS" CRSI "MANUAL OF STANDARD PRACTICE" MSP-1 WRI "WELDED WIRE FABRIC MANUAL OF STANDARD PRACTICE"

## **MATERIALS**:

**DEFORMED BARS** ASTM A615, GRADE 60 EPOXY COATED DEFORMED BARS ASTM A775, GRADE 60 SEISMIC DEFORMED BARS\* ASTM A706, GRADE 60 LOW ALLOY SMOOTH WELDED WIRE ASTM A185, Fy = 56KSI (W1.2 AND SMALLER) (65 KSI FOR W1.4 AND LARGER) DEFORMED WELDED WIRE ASTM A497, 70 KSI YIELD DEFORMED BAR ANCHORS ASTM A496, 75 KSI YIELD BAR SUPPORTS CONFORM TO CHAPTER 3, CRSI MSP-1 WELDED HEADED STUDS ASTM A108

\*SEISMIC DEFORMED BARS (A706, GRADE 60) SHALL BE USED FOR LONGITUDINAL REINFORCEMENT IN COLUMNS, PILES, STRUT MEMBERS, COUPLING BEAMS, VERTICAL REINFORCEMENT IN SHEAR WALLS, AND MOMENT FRAMES. ASTM A615. GRADE 60 BARS MAY BE USED IF:

- 1. ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED STRENGTH BY MORE THAN18 KSI ( RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3 KSI ).
- 2. PER ACI 318-14, SECTION 20.2.2.5 THE MINIMUM ELONGATION IN 8 INCHES SHALL BE AT LEAST 14 PERCENT FOR BAR SIZES NO. 3 THROUGH NO. 6, AT LEAST 12 PERCENT FOR BAR SIZES NO. 7 THROUGH NO. 11, AND AT LEAST 10 PERCENT FOR BAR SIZES NO. 14 AND NO. 18.
- 3. IF MILL TEST REPORTS ARE NOT AVAILABLE, REINFORCEMENT SHALL BE TESTED PER THE SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.

REINFORCEMENT SHALL BE PLACED AND SUPPORTED IN ACCORDANCE WITH CRSI MSP-1. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI SP-66. NO BENDING OR STRAIGHTENING OF REINFORCEMENT WILL BE PERMITTED AFTER PARTIAL EMBEDMENT IN CONCRETE.

LAP SPLICE ALL CONTINUOUS REINFORCEMENT IN ACCORDANCE WITH REINFORCEMENT SPLICE AND DEVELOPMENT LENGTH SCHEDULE. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 1 CROSS WIRE SPACING + 2" OR 8" WHICHEVER IS

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS OTHERWISE NOTED ON THE DRAWINGS OR APPROVED BY THE ENGINEER.

WELDING OR TACK WELDING OF REINFORCING BARS TO OTHER BARS OR TO PLATES, ANGLES, ETC IS PROHIBITED, EXCEPT WHERE SPECIFICALLY NOTED IN DETAILS. WHERE WELDING IS NOTED, IT SHALL BE DONE BY AWS /WABO CERTIFIED WELDERS USING E9018 ELECTRODES. WELDING PROCEDURES SHALL COMPLY WITH AWS-

TYPE 1 MECHANICAL SPLICES OF REINFORCING BARS SHALL BE MADE WITH THE FOLLOWING SYSTEMS AND SHALL DEVELOP A MINIMUM OF 125% OF THE SPECIFIED YIELD STRENGTH OF THE BARS:

LENTON STANDARD, LENTON LOCK, LENTON FORMSAVER, DAYTON SUPERIOR BAR LOCK L-SERIES, DAYTON SUPERIOR DBDI MECHANICAL SPLICE SYSTEM.

TYPE 1 MECHANICAL SPLICES AND WELDED SPLICES ARE NOT PERMITTED IN CONCRETE SHEAR WALLS. MOMENT FRAMES, AND STRUT MEMBERS.

TYPE 2 MECHANICAL SPLICES SHALL MEET THE REQUIREMENTS LISTED ABOVE FOR TYPE 1 SPLICES AND SHALL ALSO BE CAPABLE OF DEVELOPING THE SPECIFIED TENSILE STRENGTH OF THE SPLICED BARS.

TYPE 2 MECHANICAL SPLICES ARE PERMITTED AT ANY LOCATION WITH PRIOR APPROVAL FROM THE ENGINEER.

MECHANICAL SPLICES SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE ICC OR IAPMO **EVALUATION REPORTS.** 

CONCRETE COVER: UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE:

SLABS ON GRADE INTERIOR WALL FACES 3/4" ( #11 AND SMALLER ), 1 1/2" ( #14 AND #18 ) EXPOSED FORMED WALL FACES 1 1/2" ( #5 AND SMALLER ), 2" ( #6 AND LARGER ) 3" (EXCEPT 2" TOP AND FORMED SIDES) **FOOTINGS** 

## CONCRETE ANCHORAGE

EXPANSION BOLTS INTO CONCRETE SHALL BE ONE OF THE FOLLOWING. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE IAPMO OR ICC-ES REPORTS. NOMINAL EMBEDMENT DEPTH SHALL BE AS NOTED BELOW, UNLESS NOTED OTHERWISE.

HILTI KWIK BOLT TZ (ESR-1917) 3/8" EXPANSION BOLTS 2 5/16" 3 5/8" 1/2" EXPANSION BOLTS 4 7/16" 5/8" EXPANSION BOLTS 5 9/16" 3/4" EXPANSION BOLTS SIMPSON STRONG-BOLT 2 (ESR 3037) 2 7/8" 3/8" EXPANSION BOLTS 3 7/8" 1/2" EXPANSION BOLTS 5/8" EXPANSION BOLTS 5 1/8" 5 3/4" 3/4" EXPANSION BOLTS DEWALT POWER STUD+ SD2 (ESR 2502) 2 3/8" 3/8" EXPANSION BOLTS 1/2" EXPANSION BOLTS 3 3/4" 5/8" EXPANSION BOLTS 4 7/8" 3/4" EXPANSION BOLTS

EPOXY-GROUTED RODS OR REBAR TO CONCRETE SHALL BE GROUTED WITH ONE OF THE FOLLOWING: HILTI HIT-RE 500-V3 (ESR 3814), HILTI HIT-HY200 (ESR-3187), SIMPSON SET-XP (ESR 2508), OR DEWALT PURE110+ (ESR-3298). INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE IAPMO OR ICC-ES REPORTS EMBEDMENT DEPTHS SHALL BE AS NOTED BELOW, UNLESS NOTED OTHERWISE

3/8" ROD OR #3 BAR 1/2" ROD OR #4 BAR 5/8" ROD OR #5 BAR 3/4" ROD OR #6 BAR 7/8" ROD OR #7 BAR 1" ROD OR #8 BAR

HEAVY DUTY SCREW ANCHORS INTO CONCRETE SHALL BE SIMPSON TITEN HD ( ESR-2713 ), DEWALT SCREW-BOLT+ (ESR-3889) OR HILTI KWIK HUS EZ (ESR-3027).

DRIVE PINS AND OTHER POWDER-ACTUATED FASTENERS SHALL BE ITW RAMSET/RED HEAD ( ESR-1799 ), HILTI XU LOW VELOCITY (ESR-2269), OR DEWALT POWER ACTUATED FASTENERS (ESR-2024)

<u>UNDERCUT ANCHORS</u> SHALL BE USP DUC ( ESR-1970 ), HILTI HDA ( ESR-1546 ) OR POWERS ATOMIC+ UNDERCUT ANCHOR (ESR-3067).

POST-INSTALLED ANCHORS SHALL NOT BE USED AS SUBSTITUTES FOR CAST-IN-PLACE ANCHOR BOLTS OR REINFORCING STEEL UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER.

PRODUCT SUBSTITUTES PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH IAPMO OR ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES.

NO REINFORCING BARS SHALL BE CUT TO PLACE POST-INSTALLED ANCHORS. ALL DEFECTIVE ANCHOR HOLES SHALL BE GROUTED WITH EPOXY ADHESIVE AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

## STEEL

REFERENCE STANDARDS: STRUCTURAL STEEL SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS:

AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" **AISC 341** "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS" AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" AISC 348 "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" AISC 358 "PREQUALIFIED CONNECTIONS FOR SPECIAL AND INTERMEDIATE STEEL MOMENT FRAMES FOR SEISMIC APPLICATIONS"

## MATERIALS:

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## 'ATION 9 R C C BUIL 00 S 37 900

262019.034 PROJECT# PERMIT ISSUE ISSUE DATE DECEMBER 23, 2019 **REVISION SCHEDULE** 

**GENERAL** STRUCTURAL NOTES

TYPE OF MEMBER	ASTM SPECIFICATION	YIELD
WIDE FLANGES ( W ), STRUCTURAL TEES ( WT )	A992	50 KS
PLATES, ANGLES, CHANNELS	A36	36 KS
THREADED RODS (TR) AND BARS		
SPECIAL SHAPES ( NOTED	A572	50 KS
GRADE 50 ON DRAWINGS )		
STEEL PIPES	A53 (TYPE E OR S, GRADE B)	35 KS
HOLLOW STRUCTURAL STEEL ( HSS )	A500 ( GRADE B )	46 KS
MACHINE BOLTS ( MB )	A307	
CONNECTION BOLTS ( HSB )	A325	
ANCHOR RODS ( AR )	F1554 GRADE 36, WELDABLE	
TENSION CONTROL BOLTS	F1852	
LOAD-INDICATING WASHERS	F959, TYPE A325	

CAMBER: ALL MEMBERS SHALL BE ERECTED WITH NATURAL OR INDUCED CAMBER UPWARDS, UNLESS NOTED OTHERWISE. CAMBER INDICATED ON DRAWINGS SHALL BE AS DELIVERED TO THE JOB SITE. CONTRACTOR SHALL CONSIDER CAMBER LOSS DUE TO SHIPPING AND HANDLING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS INCLUDING ERECTION ANGLES AND LIFT HOLES.

STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE ZINC-COATED HOT-DIPPED GALVANIZED PER ASTM A123. ALL FIELD WELDS EXPOSED TO WEATHER SHALL BE COATED WITH BRUSH APPLIED PAINT CONTAINING ZINC DUST COMPLYING WITH ASTM A780. ALL BOLTS AND ANCHOR RODS EXPOSED TO WEATHER SHALL BE ZINC-COATED HOT-DIPPED GALVANIZED PER ASTM A153.

BOLTED CONNECTIONS NOT SPECIFIED AS SLIP-CRITICAL NEED ONLY BE TIGHTENED TO AISC SNUG-TIGHT CRITERIA, UNLESS NOTED OTHERWISE. CONNECTION PLATES SHALL HAVE AISC STANDARD ROUND HOLES UNLESS NOTED OTHERWISE. ALL OVERSIZED OR SLOTTED HOLES SHALL HAVE WASHERS PROVIDED IN ACCORDANCE WITH AISC 360, UNLESS NOTED OTHERWISE.

PRETENSIONED OR SLIP-CRITICAL CONNECTIONS SHALL USE LOAD-INDICATING WASHERS OR TENSION CONTROL BOLTS SUCH AS BETHLEHEM INDICATOR BOLTS, LeJEUNE TENSION CONTROL BOLTS, ETC. CONNECTED PLIES SHALL BE PREPARED TO MEET THE REQUIREMENTS FOR CLASS A FAYING SURFACES.

WELDING: ALL WELDS SHALL COMPLY WITH AWS D1.1. WELDS SHALL BE MADE USING LOW HYDROGEN E70XX ELECTRODES. ONLY AWS PREQUALIFIED WELDED JOINTS SHALL BE USED. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 STANDARD SYMBOLS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS.

ALL WELDS SHALL BE MADE WITH A FILLER WELD METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS. AT 0 DEGREES F. IN ADDITION TO MEETING THE ABOVE REQUIREMENTS, ALL WELDS INDICATED AS "DEMAND CRITICAL" SHALL BE MADE WITH MATERIAL WITH A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 40 FT-LBS AT 70 DEGREES F. SEE AISC 341-10 CHAPTER A AND AWS D1.8 SECTION 6.3 FOR ADDITIONAL REQUIREMENTS. PROPOSED FILLER MATERIAL FOR BOTH SHOP AND FIELD WELDS SHALL BE SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION.

WELDS SHOWN ON DRAWINGS ARE FOR FINAL CONNECTIONS. UNLESS FIELD WELD SYMBOLS ARE SHOWN, CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE STEEL ERECTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOINT PREPARATIONS AND WELDING PROCEDURES, INCLUDING ROOT OPENINGS AND FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, TAPERS, AND SURFACE ROUGHNESS.

WELDER CERTIFICATION: AWS OR WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO).

ANCHOR RODS SHALL BE INSTALLED TO AISC SNUG-TIGHT CRITERIA WITH HEX NUTS AND LOCK WASHERS OR JAM NUTS AT THE TOP. AT THE BOTTOM, PROVIDE A STANDARD SIZE HEAD, TACK-WELDED NUT OR DOUBLE NUT. NO HEATING OR BENDING OF ANCHOR RODS IS PERMITTED. ENLARGEMENT OF ANCHOR ROD HOLES BY BURNING IS NOT PERMITTED. BASE PLATE HOLES FOR ANCHOR RODS SHALL BE AS SHOWN BELOW

AR <u>DIAMETER</u>	MAXIMUM HOLE <u>DIAMETER</u>	MINIMUM WASHER <u>DIAMETER</u>	MINIMUM WASHE THICKNESS
5/8"	1 1/16"	1 1/2"	3/16"
3/4"	1 5/16"	2"	1/4"
7/8"	1 9/16"	2 1/2"	5/16"
1"	1 13/16"	3"	3/8"

WELDED HEADED STUDS ( WHS ) AND THREADED STUDS ( CPL OR CFL ) SHALL COMPLY WITH ASTM A108 GR.1010 THROUGH 1020 WITH MINIMUM TENSILE STRENGTH OF 60 KSI. STUDS SHALL BE WELDED IN CONFORMANCE WITH THE REQUIREMENTS OF AWS CHAPTER 7. UNLESS OTHERWISE NOTED, STUDS SHALL BE WELDED BY THE AUTOMATIC MACHINE WELDING PROCESS WITH EQUIPMENT RECOMMENDED BY THE MANUFACTURER. LENGTHS SHOWN ON DRAWINGS ARE FINAL LENGTHS AFTER WELDING.

<u>DEFORMED BAR ANCHORS ( DBA )</u> SHALL COMPLY WITH ASTM A496 AND THE REQUIREMENTS FOR TYPE "C" STUDS IN ACCORDANCE WITH AWS D1.1. UNLESS OTHERWISE NOTED, DEFORMED BAR ANCHORS SHALL BE WELDED BY THE AUTOMATIC MACHINE WELDING PROCESS IN ACCORDANCE WITH AWS CHAPTER 7, WITH EQUIPMENT RECOMMENDED BY THE MANUFACTURER. LENGTHS SHOWN ON DRAWINGS ARE FINAL LENGTHS AFTER WELDING.

AT NON-BRACED/MOMENT FRAME AND NON-STRUT CONNECTIONS, A706 GRADE 60 REINFORCING BARS OF AN EQUAL DIAMETER AND LENGTH OF THE SPECIFIED DBA'S MAY BE USED PROVIDED THEY ARE WELDED TO THE SUPPORTING STEEL WITH E80XX ELECTRODES IN ACCORDANCE WITH AWS D1.4 AND THE TABLE BELOW:

BAR SIZE	ALL-AROUND FILLET WELD SIZE
#4, 1/2" DIA	1/4"
#5, 5/8" DIA	5/16"
#6, 3/4" DIA	3/8"

DIMENSIONAL TOLERANCE FOR STRUCTURAL STEEL MEMBERS SHALL BE PER THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, SECTION 6.4 AND ASTM SPECIFICATION A6. UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER, COLUMN MEMBERS SHALL NOT BE MODIFIED BY THE ROTARY STRAIGHTENING PROCESS.

<u>ARCHITECTURALLY EXPOSED STRUCTURAL STEEL:</u> ANY STRUCTURAL STEEL THAT IS EXPOSED TO VIEW UPON COMPLETION OF THE PROJECT SHALL COMPLY WITH SECTION 10 OF AISC 303. SEE SPECIFICATIONS FOR SPECIFIC FABRICATION AND ERECTION REQUIREMENTS FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.

## **MASONRY**

REFERENCE STANDARDS: MASONRY SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS:

"BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" TMS 402-13/ACI 530-13/ASCE 5-13 TMS 602-13/ACI 530.1-13/ASCE 6-13 "SPECIFICATIONS FOR MASONRY STRUCTURES"

MASONRY CONSTRUCTION SHALL COMPLY WITH IBC SECTION 2104. MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE. MASONRY NOT LAID IN RUNNING BOND SHALL BE FULLY GROUTED AND SHALL BE CONSTRUCTED OF HOLLOW OPEN-ENDED UNITS.

ASSEMBLY STRENGTH: CONCRETE MASONRY SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH f'm = 1,900 PSI. COMPRESSIVE STRENGTH SHALL BE VERIFIED BY UNIT STRENGTH METHOD, IN ACCORDANCE WITH IBC SECTION 2105 AND TMS 602/ACI 530.1/ASCE 6 ARTICLE 1.4 B.2.

HOLLOW BRICK UNITS SHALL BE GRADE SW AND COMPLY WITH ASTM C652.

CONCRETE MASONRY UNITS SHALL BE MEDIUM-WEIGHT AND SHALL COMPLY WITH ASTM C90 WITH NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI. UNITS SHALL BE PROTECTED FROM EXPOSURE TO MOISTURE PRIOR TO CONSTRUCTION.

MORTAR SHALL BE TYPE S AND SHALL COMPLY WITH ASTM C270. PROPORTIONS SHALL COMPLY WITH IBC 2103.2.1 AND TMS 602/ACI 530.1/ASCE 6 ARTICLES 2.1 AND 2.6A, INCLUDING TABLES SC-1 AND SC-2. MASONRY CEMENT SHALL NOT BE USED. AGGREGATE SHALL COMPLY WITH ASTM C144.

GROUT SHALL CONFORM TO ASTM C476, IBC SECTION 2103.3 AND TMS 602/ACI 530.1/ASCE 6 ARTICLE 2.2 AND 2.6B. GROUT STRENGTH BASED ON 28-DAY TESTS SHALL BE 2,000 PSI, MINIMUM. MORTAR SAND SHALL NOT BE USED. GROUT SHALL BE POURED IN MAXIMUM LIFTS OF 5'-4". GROUT SHALL BE VIBRATED DURING PLACEMENT TO ENSURE THAT CELLS ARE COMPLETELY FILLED. ALL CELLS CONTAINING VERTICAL BARS OR EMBEDDED ITEMS. ALL CELLS BELOW GRADE, AND ALL BOND BEAMS SHALL BE FILLED WITH GROUT.

REINFORCING STEEL DEFORMED BARS SHALL BE ASTM A615, GRADE 60. LAP BARS 48 DIAMETERSAT SPLICES, UNLESS NOTED OTHERWISE. MINIMUM WALL REINFORCEMENT SHALL BE AS FOLLOWS:

6" WALLS	#4 @ 48" VERT	(2)#4@48"HORIZ
8" WALLS	#5 @ 48" VERT	(2)#5@48"HORIZ
10" WALLS	#6 @ 48" VERT	(2)#5@48"HORIZ
12" WALLS	#6 @ 48" VERT	(2)#6@48"HORIZ

PROVIDE (1) #5 VERTICAL FOR THE FULL HEIGHT OF THE WALL AT EACH SIDE OF OPENINGS, AT WALL CORNERS AND INTERSECTIONS, AND AT FREE ENDS OF WALLS. PROVIDE (2) #5 HORIZONTAL AT ELEVATED FLOOR AND ROOF LINES, AT TOPS OF WALLS, AND ABOVE AND BELOW ALL OPENINGS. ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAMS. EXTEND REINFORCEMENT AROUND OPENINGS 2'-0" BEYOND FACE OF OPENING, OR AS FAR AS POSSIBLE, AND HOOK. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT WALL CORNERS AND INTERSECTIONS.

MASONRY AND CONCRETE VENEER WITH MAXIMUM WEIGHT OF 40 PSF SHALL BE ANCHORED TO BACKING WALLS PER IBC SECTION 1405.6 WITH SEISMICALLY RATED STAINLESS STEEL VENEER ANCHORS EMBEDED IN MORTAR JOINTS AND EXTENDED INTO THE VENEER A MINIMUM OF 1 1/2" WITH A MINIMUM OF 5/8" MORTAR OR GROUT COVER TO THE EXTERIOR FACE. TIES SHALL BE SPACED SO AS TO SUPPORT NOT MORE THAN TWO SQUARE FEET OF WALL AREA AND SHALL BE SPACED NOT MORE THAN 24"oc. HORIZONTALLY AND 18"oc VERTICALLY. TIES SHALL HAVE A LIP OR HOOK ON THE EXTENDED LEG THAT WILL ENGAGE OR ENCLOSE A CONTINUOUS NO. 9 GAGE (0.148" DIAMETER OR W1.7) JOINT REINFORCEMENT WIRE. JOINT REINFORCEMENT SHALL BE CONTINUOUS WITH BUTT SPLICES BETWEEN TIES PERMITTED. CORRUGATED WALL TIES ARE NOT PERMITTED. VENEER ANCHORS SHALL BE FASTENED BACKING WALLS WITH CORROSION RESISTANT SCREWS PER TMS 402 SECTION 12.2.2 COMPATIBLE WITH THE VENEER ANCHOR PLATE.

## MASONRY ANCHORAGE

POST-INSTALLED MASONRY ANCHORS INTO SOLID GROUTED MASONRY SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND NOTED ICC-ES REPORTS. SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW BY ENGINEER WITH ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. ANCHORS SHALL BE THE FOLLOWING TYPES:

EXPANSION ANCHORS SHALL BE SIMPSON WEDGE-ALL (ESR-1396), HILTI KWIK BOLTS (ICC-ESR 3785), OR DEWALT/POWERS POWER-STUD + SD1 (ESR-2966).

ADHESIVE ANCHORS SHALL BE SIMPSON SET (ESR-1772), HILTI HY-70 (ESR-2682), OR DEWALT/POWERS AC100+ GOLD (ESR-3200).

HEAVY DUTY SCREW ANCHORS INTO MASONRY SHALL BE SIMPSON TITEN HD ( ESR-1056 ), DEWALT SCREW-BOLT+ (ESR-4042) OR HILTI KWIK HUS-EZ (ESR-3056).

## WOOD

REFERENCE STANDARDS: WOOD SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS:

"TIMBER CONSTRUCTION MANUAL" ANSI/AWC NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" ANSI/AWC SDPWS "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC" AWC WCD No. 4 "WOOD CONSTRUCTION DATA - PLANK AND BEAM FRAMING FOR RESIDENTIAL BUILDINGS"

"WOOD FRAME CONSTRUCTION MANUAL FOR ONE- AND TWO-FAMILY DWELLINGS" ANSI/AITC A190.1 "STRUCTURAL GLUED LAMINATED TIMBER"

AITC A117 "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES" AWPA C1 "ALL TIMBER PRODUCTS-PRESERVATIVE TREATMENT BY PRESSURE PROCESS" TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION"

ALL WOOD FRAMING DETAILS SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IBC. MINIMUM NAILING SHALL CONFORM TO IBC TABLE 2304.10.1 OR CURRENT ICC-ES REPORT ESR-1539, UNLESS OTHERWISE NOTED. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO NDS SECTION 12.1.4. AND INSTALLATION OF BOLTS SHALL CONFORM TO NDS SECTION 12.1.3.

ROOF, FLOOR & WALL SHEATHING SHALL BE APA RATED, EXTERIOR OR EXPOSURE 1 STRUCTURAL I PLYWOOD OR ORIENTED STRAND BOARD (OSB) IN CONFORMANCE WITH IBC SECTION 2303.1.5. SHEATHING SHALL BE MANUFACTURED UNDER THE PROVISIONS OF VOLUNTARY PRODUCT STANDARDS PS 1-09, PS 2-10, OR APA PRP-108 PERFORMANCE STANDARDS AND POLICIES FOR STRUCTURAL USE PANELS. SEE DRAWINGS FOR THICKNESS, SPAN RATING, AND NAILING REQUIREMENTS. UNLESS OTHERWISE NOTED, WALL SHEATHING SHALL BE 1/2" ( NOMINAL ) WITH SPAN RATING OF 24/0. GLUE FLOOR SHEATHING TO ALL SUPPORTING MEMBERS WITH ADHESIVE CONFORMING TO APA SPECIFICATION AFG-01.

ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED AS SHOWN ON THE DRAWINGS. INSTALL APPROVED PANEL EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH 16d @ 12" OC. AT BLOCKED FLOOR AND ROOF DIAPHRAGMS, INSTALL FLAT 2x BLOCKING AT ALL UNFRAMED PANEL EDGES AND NAIL WITH EDGE NAILING SPECIFIED.

T&G DECKING, WHERE SPECIFIED, SHALL BE SOLID SAWN, TONGUE-AND-GROOVE, TWO-SPAN CONTINUOUS DECKING. USE DOUGLAS-FIR SELECT DEX VISUALLY GRADED DECKING (Fb = 2000 PSI, F<sub>C perp</sub> = 625 PSI, E = 1800 KSI ). INSTALLATION SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND IBC SECTION 2304.9.

<u>ALL PRESSURE-TREATED ( P.T. ) WOOD MEMBERS</u> SPECIFIED ON THE DRAWINGS SHALL BE PRESSURE-TREATED WITH COPPER AZOLE CA-B (HEM-FIR ONLY), OR ALKALINE COPPER QUAT (ACQ-C FOR DOUGLAS-FIR, OR ACQ-D FOR HEM-FIR ) PRESERVATIVES UNLESS OTHERWISE NOTED. AMMONIACAL COPPER ZINC ARSENATE ( ACZA ) PRESERVATIVE, OR OTHER PRESERVATIVES WITH AMMONIA CARRIERS, SHALL NOT BE USED. SEE GENERAL STRUCTURAL NOTES BELOW FOR MATERIAL REQUIREMENTS OF CONNECTORS AND FASTENERS IN CONTACT WITH PRESSURE-TREATED MEMBERS. INSTALL (2) LAYERS OF ASPHALT-IMPREGNATED BUILDING PAPER BETWEEN UNTREATED LEDGERS, BLOCKING, ETC., AND CONCRETE OR MASONRY.

SAWN LUMBER: SAWN LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY APPROVED BY AN ACCREDITATION BODY COMPLYING WITH US DEPARTMENT OF COMMERCE PS20. FRAMING LUMBER SHALL BE KILN DRIED OR MC-19. AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17. SAWN LUMBER SPECIES AND GRADES SHALL BE AS FOLLOWS:

DOUGLAS FIR NO. 2 JOISTS: (2x MEMBERS)

Fb = 900 PSI, Fv = 180 PSI, E = 1600 KSI

(3x AND 4x MEMBERS) DOUGLAS FIR NO. 1 Fb = 1000 PSI, Fv = 180 PSI, E = 1700 KSI

**BEAMS AND STRINGERS:** DOUGLAS FIR NO. 1

(INCLUDING 6x AND LARGER MEMBERS) Fb = 1350 PSI, Fv = 170 PSI, E = 1600 KSI

DOUGLAS-FIR NO. 1 POSTS: (4x MEMBERS) Fc = 1500 PSI, E = 1700 KSI

( 6x AND LARGER MEMBERS ) DOUGLAS FIR NO. 1

Fc = 1000 PSI, E = 1600 KSI

STUDS, PLATES, LEDGERS & DOUGLAS FIR NO. 2

MISCELLANEOUS LIGHT FRAMING: Fb = 900 PSI, E = 1600 PSI, Fc = 1350 PSI, Ft = 575 PSI

GLUED LAMINATED MEMBERS (GLULAMS) SHALL BE MANUFACTURED IN CONFORMANCE WITH ANSI/APA A 190.0 AND ASTM D3737. EACH MEMBER SHALL BEAR AN AITC OR APA IDENTIFICATION MARK AND BE ACCOMPANIED BY AN AITC CERTIFICATE OF CONFORMANCE. GLULAMS SHALL BE INDUSTRIAL GRADE WHERE NOT EXPOSED TO VIEW AND ARCHITECTURAL GRADE WHERE EXPOSED TO VIEW. GLULAMS SHALL HAVE THE STRENGTH GRADES AS NOTED BELOW:

SIMPLE SPAN BEAMS: DOUGLAS FIR 24F-V4

Fb = 2400 PSI, Fv = 265 PSI, E = 1800 KSI

**CONTINUOUS OR** 

**CANTILEVER BEAMS:** DOUGLAS FIR 24F-V8

Fb = 2400 PSI, Fv = 265 PSI, E = 1800 KSI

COLUMNS, TRUSSES:

(2 LAMINATIONS) DOUGLAS FIR 1-DF-L3

Fc = 1200 PSI, Fbyy = 1000 PSI, Fbxx = 1250 PSI, E = 1500 KSI (3 LAMINATIONS)

DOUGLAS FIR 1-DF-L3

Fc = 1200 PSI, Fbyy = 1250 PSI, Fbxx = 1250 PSI, E = 1500 KSI (4 OR MORE LAMINATIONS) DOUGLAS FIR 1-DF-L3

Fc = 1550 PSI, Fbyy = 1450 PSI, Fbxx = 1500 PSI, E = 1500 KSI

HORIZONTAL GLULAM MEMBERS AND INCLINED MEMBERS OF LESS THAN 1:1 SLOPE SHALL HAVE A RADIUSED CAMBER OF 3,500 FT. UNLESS NOTED OTHERWISE.

GLUED LAMINATED MEMBERS EXPOSED TO WEATHER OR MOISTURE SHALL BE TREATED WITH A NON-CORROSIVE. APPROVED PRESERVATIVE.

ENGINEERED LUMBER: EACH PIECE SHALL BEAR A STAMP OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, THE NER OR ICC-ES REPORT NUMBER, AND THE QUALITY CONTROL AGENCY. ALL MEMBERS SHALL BE MANUFACTURED WITH AN APPROVED ADHESIVE.

LAMINATED VENEER LUMBER ( LVL ) Fb = 2600 PSI. E = 1900 KSI. Fv = 285 PSI

DESIGN SHOWN ON THE DRAWINGS IS BASED ON LUMBER MANUFACTURED BY REDBUILT LLC IN ACCORDANCE WITH ICC-ESR-2993. ALTERNATE ENGINEERED LUMBER MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. A CURRENT NER OR ICC-ES REPORT AND A LIST STATING THE ITEM-FOR-ITEM SUBSTITUTION MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR ANY PROPOSED SUBSTITUTES.

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## 'ATION 9 R Z Z O S C BUIL 00 S 37 900

262019.034 PROJECT# PERMIT ISSUE ISSUE DATE DECEMBER 23, 2019 **REVISION SCHEDULE** 

**GENERAL** STRUCTURAL NOTES

TIMBER CONNECTORS. CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR LATEST CATALOG. ALTERNATE CONNECTORS CONFORMING WITH IBC SECTION 2303.5 & 2304.10.3., THAT MEET OR EXCEED THE SPECIFIED CONNECTORS' CAPACITY MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER. A CURRENT ICC-ES REPORT AND A LIST STATING THE ITEM-FOR-ITEM SUBSTITUTION AND CAPACITY COMPARISONS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR ANY PROPOSED SUBSTITUTES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ENGINEERING COSTS RELATING TO REVIEW AND/OR RE-DESIGN TO ACCOMMODATE PROPOSED SUBSTITUTIONS. INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, CENTER STRAP ON JOINT AND INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER, WITH EQUAL NUMBER AND SIZE OF FASTENERS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED. ALL TIMBER JOISTS AND MULTIPLE JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "HU" SERIES JOIST HANGERS, UNLESS OTHERWISE NOTED.

ALL TIMBER CONNECTORS IN CONTACT WITH PRESSURE-TREATED WOOD THAT USES PRESERVATIVE CHEMICALS SHALL BE MANUFACTURED FROM ZMAX STEEL BY SIMPSON (G185 STEEL PER ASTM A653), OR TYPE 304 OR 316 STAINLESS STEEL. ALTERNATIVELY, CONNECTORS CAN BE POST HOT DIP GALVANIZED PER ASTM A123 OR MECHANICALLY GALVANIZED PER ASTM B695, CLASS 55 OR GREATER. STAINLESS STEEL FASTENERS SHALL BE USED WITH STAINLESS STEEL CONNECTORS, AND HOT DIP GALVANIZED FASTENERS PER ASTM A153 SHALL BE USED WITH GALVANIZED CONNECTORS.

NAILING NOT SPECIFICALLY NOTED IN DRAWINGS SHALL BE AS SHOWN IN IBC TABLE 2304.10.1. NAILS SHALL COMPLY WITH ASTM F1667. MINIMUM NAIL DIMENSIONS SHALL BE AS FOLLOWS:

<u>SIZE</u>	<u>DIAMETER</u>	<u>LENGT</u>
6d	0.113"	2"
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.148"	3 1/4"
16d	0.162"	3 1/2"
20d	0.192"	4"

BOLTS SHALL CONFORM TO ASTM A307. LAG SCREWS SHALL CONFORM TO ASME B18.2.1. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2015 NDS SECTION 11.1.4, AND INSTALLATION OF BOLTS SHALL CONFORM TO 2015 NDS SECTION 11.1.3. PRE-DRILL HOLES FOR LAG SCREWS TO AVOID SPLITTING.

ALL TIMBER FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-TREATED WOOD SHALL BE POST HOT DIP GALVANIZED PER ASTM A153.

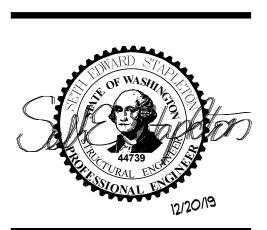
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# CKSD / KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	262019.034
PER	RMIT ISSUE
ISSUE DATE	DECEMBER 23, 2019
REVI	SION SCHEDULE

GENERAL STRUCTURAL NOTES

SHEET#

**S00.04** 

FTG FTGS

FOOTING FOOTINGS

ARRDE\/IATIONS

				A	BBREVIATIONS				
&	AND	d	PENNYWEIGHT (NAILS)	GA	GAGE, GAUGE	MATL	MATERIAL	SCHED	SCHEDULE
@	AT	(d)	DROPPED BEAM	GALV	GALVANIZED	MAX	MAXIMUM	SECT	SECTION
AB	ANCHOR BOLT	DB	DIVIDER BEAM	GB, GR BM	GRADE BEAM	MB	MACHINE BOLT	SHT	SHEET
ABV	ABOVE	D-B	DESIGN-BUILD	GEN	GENERAL	MECH	MECHANICAL	SHTHG	SHEATHING
ACI	AMERICAN CONCRETE INSTITUTE	DBA	DEFORMED BAR ANCHOR	GL, GLU LAM		MF	MOMENT FRAME	SIM	SIMILAR
ADDL	ADDITIONAL	DBL	DOUBLE	GLB	GLUE LAMINATED BEAM	MFR	MANUFACTURER	SJI	STEEL JOIST INSTITUTE
ADJ	ADJACENT, ADJUSTABLE	DEG, °	DEGREE	GRD	GIRDER	MIN	MINIMUM	SOG	SLAB ON GRADE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DEMO	DEMOLISH, DEMOLITION	GRND	GROUND	MISC	MISCELLANEOUS	SPC	SPACE, SPACED, SPACING
AISI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION  AMERICAN IRON AND STEEL INSTITUTE	DET	DETAIL	GSN	GENERAL STRUCTURAL NOTES	MPH	MILES PER HOUR	SPEC	SPECIFICATION
		DETS	DETAILS	GON	GENERAL STRUCTURAL NOTES	MTL	METAL	SPRT	SUPPORT
ALT	ALTERNATE ANCHOR	DEIO				IVIIL	IVIETAL		SQUARE
ANCH		DL	DOUGLAS FIR	HD	HOLDOWN			SQ	
APA	AMERICAN PLYWOOD ASSOCIATION	DIA	DIAMETER	HDR	HEADER	NF	NEAR FACE	SST	STAINLESS STEEL
APPROX	APPROXIMATE	DIAG	DIAGONAL	HGR	HANGER	NIC	NOT IN CONTRACT	SSH	SHORT SLOTTED HOLE
AR	ANCHOR ROD	DIAPH	DIAPHRAGM	HK	HOOK	NLG	NAILING	STAG	STAGGER, STAGGERED
ARCH	ARCHITECT, ARCHITECTURAL	DICA	DRILLED-IN CONCRETE ANCHOR	HORIZ	HORIZONTAL	NOM	NOMINAL	STD	STANDARD
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	DIM	DIMENSION	HPT	HIGH POINT	NO, #	NUMBER	STIFF	STIFFENER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DIST	DISTANCE	HSB	HIGH STRENGTH BOLT	N-S	NORTH-SOUTH	STIR	STIRRUP
AWS	AMERICAN WELDING SOCIETY	DL	DEAD LOAD	HSS	HOLLOW STRUCTURAL SECTION	NS	NEAR SIDE	STL	STEEL
		DN	DOWN	HT	HEIGHT	NTS	NOT TO SCALE	STRUCT	STRUCTURAL
D/	DOTTOM OF	DO	DITTO	111	TILIGITI	NIS	NOT TO SCALE	SW	SHEAR WALL
B/	BOTTOM OF	DP	DEEP					SWS	SHEAR WALL SCHEDULE
BAL	BALANCE BOTTOM CHORD	DS	DRAG STRUT	IBC	INTERNATIONAL BUILDING CODE	OC	ON CENTER	SYMM	SYMMETRICAL, SYMMETRY
BC	BOTTOM CHORD	DWG	DRAWING	ID	INSIDE DIAMETER	OD	OUTSIDE DIAMETER		
BF	BRACED FRAME	DWL	DOWEL	I.F.	INSIDE FACE	O.F.	OUTSIDE FACE		TOD 05
BLDG	BUILDING	DWLS	DOWELS	IJ	ISOLATION JOINT	OPNG	OPENING	T/	TOP OF
BLKG	BLOCKING			IN "	INCH	OPP	OPPOSITE	T&B	TOP AND BOTTOM
BM	BEAM			INCL	INCLUDE	OSB	ORIENTED STRAND LUMBER	T&G	TONGUE AND GROOVE
BOF	BOTTOM OF FOOTING	(E), EXIST	EXISTING	INFO	INFORMATION	OSH	OVERSIZED HOLE	TBD	TO BE DETERMINED
BOT	BOTTOM	EA	EACH, EPOXY (ADHESIVE) ANCHOR	INT	INTERIOR	OWJ	OPEN WEB JOIST	TC	TOP CHORD
BP, B PL	BASE PLATE	EE	EACH END	IINI	INTERIOR	OWJ	OF LIV WED JOIST	TEMP	TEMPERATURE
BRG	BEARING	EF	EACH FACE					THK	THICK, THICKNESS
BTWN	BETWEEN	EJ	EXPANSION JOINT	JST	JOIST	PA	POWDER ACTUATED	THP	TENDON HIGH POINT
BU	BUILT-UP	EL	ELEVATION	JSTS	JOISTS	PCC	PRECAST CONCRETE	THRU	THROUGH
		ELEC	ELECTRICAL	JT	JOINT	PCF	POUNDS PER CUBIC FOOT	TOC	TOP OF CONCRETE
_		ELEV	ELEVATOR			PEN	PENETRATION	TOF	TOP OF FOOTING
C	CAMBER, CHANNEL	EMBED	EMBEDMENT			PERP	PERPENDICULAR	TOS	TOP OF STEEL
CA	CONCRETE (EXPANSION) ANCHOR	ENGR	ENGINEER	K	KIP (1,000 LB)	PL PL	PLATE, PROPERTY LINE	TOW	TOP OF WALL
CANTIL	CANTILEVER	EQ	EQUAL	KSF	KIPS PER SQUARE FOOT	PLCS	PLACES	TR	THREADED ROD
CAP	CAPACITY	EQUIP	EQUIPMENT	KSI	KIPS PER SQUARE INCH	PLF	POUNDS PER LINEAR FOOT	TRANS	TRANSVERSE
CC	CENTER-TO-CENTER	FS.	EACH SIDE			PLWD	PLYWOOD	TYP	TYPICAL
CDF	CONTROL DENSITY FILL	ETC	ET CETERA	1	LENGTH, ANGLE	PNL	PANEL	TWS	THREADED WELDED STUD
CG	CENTER OF GRAVITY	F-W	EAST-WEST	L 1D #		PP, PJP	PARTIAL JOINT PENETRATION	1110	THILE ROLD WELDED OT OD
CIP	CAST-IN-PLACE	EW	EACH WAY	LB, #	POUND LEVEL	PRCST	PRECAST		
CJ	CONTROL JOINT, CONSTRUCTION JOINT	EXP	EXPANSION	LEV		PREFAB	PREFABRICATED	UNO	UNLESS NOTED OTHERWISE
CJP, CP	COMPLETE JOINT PENETRATION	EXT	EXTERIOR	LF	LINEAL FOOT	PS	PRESTRESSED CONCRETE		
CL	CENTERLINE	EXT GR	EXTERIOR GRADE	LL	LIVE LOAD			VEDT	VEDTICAL
CLR	CLEAR	EXTUR	EXTENIOR GIVADE	LLBB	LONG LEGS BACK TO BACK	PSF	POUNDS PER SQUARE FOOT	VERT	VERTICAL
CMU	CONCRETE MASONRY UNIT			LLH	LONG LEG HORIZONTAL	PSI	POUNDS PER SQUARE INCH		
COL	COLUMN	FB	FLUSH BEAM	LLV	LONG LEG VERTICAL	PSL	PARALLEL STRAND LUMBER	W/	WITH
COLS	COLUMNS	FD	FLOOR DRAIN	LOC	LOCATION, LOCATE	P-T	POINT, PRESSURE TREATED	W	WIDTH, WIDE FLANGE
CONC	CONCRETE	FDN	FOUNDATION	LOCS	LOCATIONS	PT	POST-TENSIONED	WF	WIDE FLANGE
CONN	CONNECTION	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	LONGIT	LONGITUDINAL	PVC	POLYVINYL CHLORIDE	WD	WOOD
CONST	CONSTRUCTION	FF	FINISH FLOOR	LP	LOW POINT			WHS	WELDED HEADED STUD
CONT	CONTINUE, CONTINUOUS	FIN	FINISH	LPT	LOW POINT	R, RAD	RADIUS	WIJ	WOOD I-JOIST
CONT	CONTRACTOR	FLR	FLOOR	LSH	LONG SLOTTED HOLE	R, RAD RD	ROOF DRAIN	W/O	WITHOUT
COORD	COORDINATE	FLG	FLANGE	LSL	LAMINATED STRAND LUMBER	REBAR	REINFORCING STEEL BARS		
	CONCRETE REINFORCED STEEL INSTITUTE	FOS	FACE OF STUD	LVL	LAMINATED VENEER LUMBER			WP	WORK POINT
CRSI			FACE OF STUD FAR SIDE	_		REF	REFERENCE PEINEOPOING	WT	WEIGHT
CTR	CENTER, CENTERED	FS ET '				REINF	REINFORCE, REINFORCING	WWR	WELDED WIRE REINFORCEMENT
CU YD	CUBIC YARD	FT, ' FTG	FEET FOOTING			REM REOD	REMAINDER REQUIRED		
		F113				DF()I)			

REQD RM BD RTN

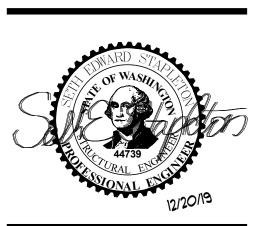
REQUIRED RIM BOARD RETURN

ARCHITECTURE INTERIORS PLANNING VIZLAB

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# CKSD / KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	262019.0
PER	RMIT ISSUE
ISSUE DATE	DECEMBER 23, 20
REVIS	SION SCHEDULE

**ABBREVIATIONS** 

SHEET# **S00.05** 

NOTE 1 PROVIDE SIMPSON LTT WALL ANCHORS NAILED TO BLOCKING AND ANCHORED TO WALL WITH EPOXY-GROUTED RODS @ 4'-0" ON CENTER WHERE WOOD JOISTS ARE PARALLEL TO THE MASONRY OR CONCRETE WALL.

ALL CONDITIONS PRIOR TO COMMENCING ANY WORK. NOTIFY ENGINEER

WHERE CONDITIONS VARY FROM THOSE SHOWN.

NOTE 2 PROVIDE SIMPSON LTT WALL ANCHORS NAILED TO BLOCKING AND ANCHORED TO WALL WITH EPOXY-GROUTED RODS @ 8'-0" ON CENTER WHERE WOOD JOISTS ARE PERPENDICULAR TO THE MASONRY OR CONCRETE WALL.

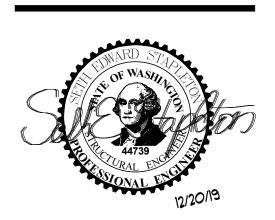
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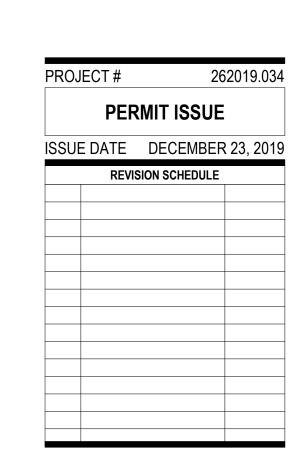
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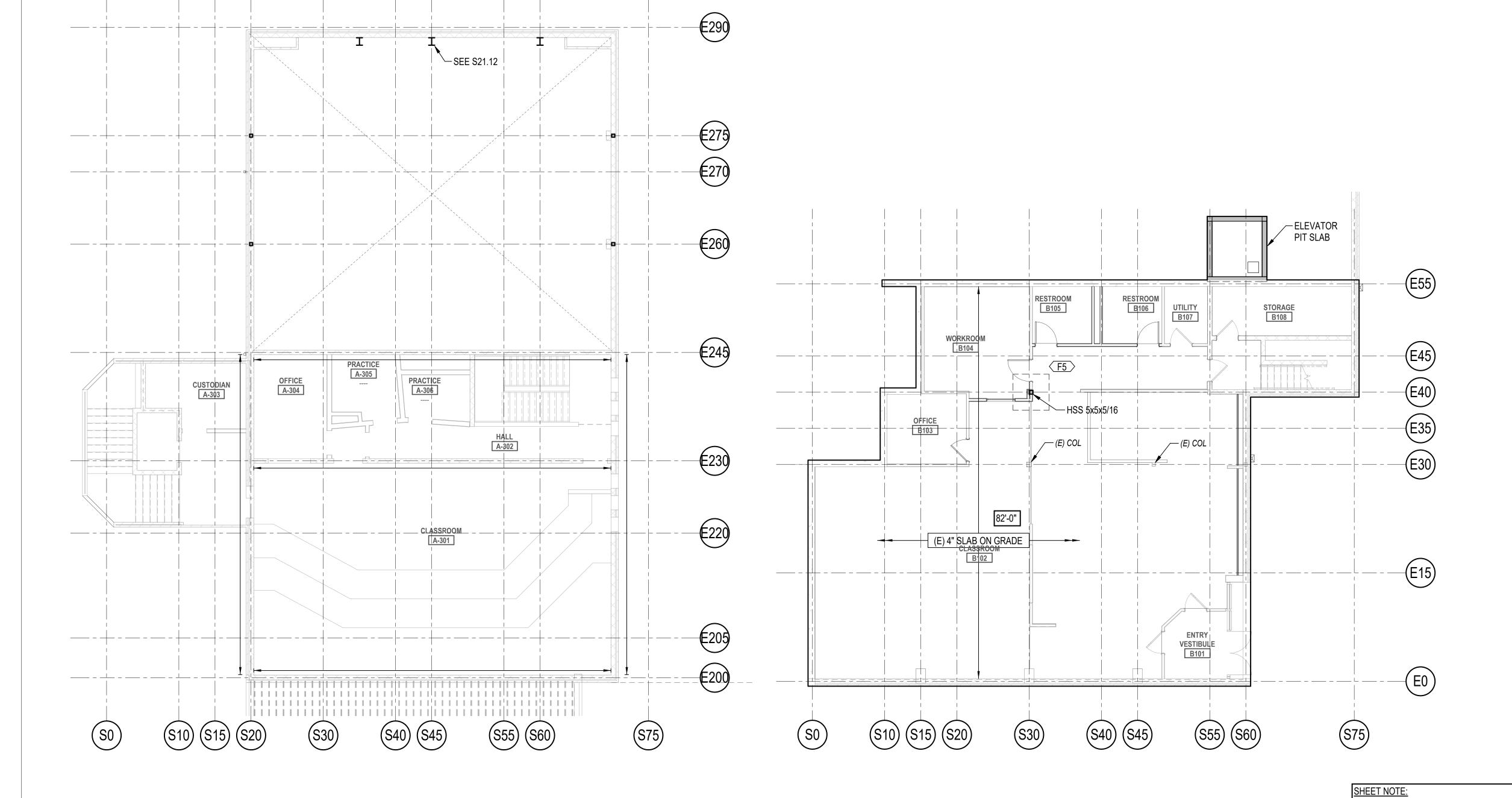
# 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE WA 98383



FLOOR PLAN -BASEMENT AND LEVEL 3

SHEET#

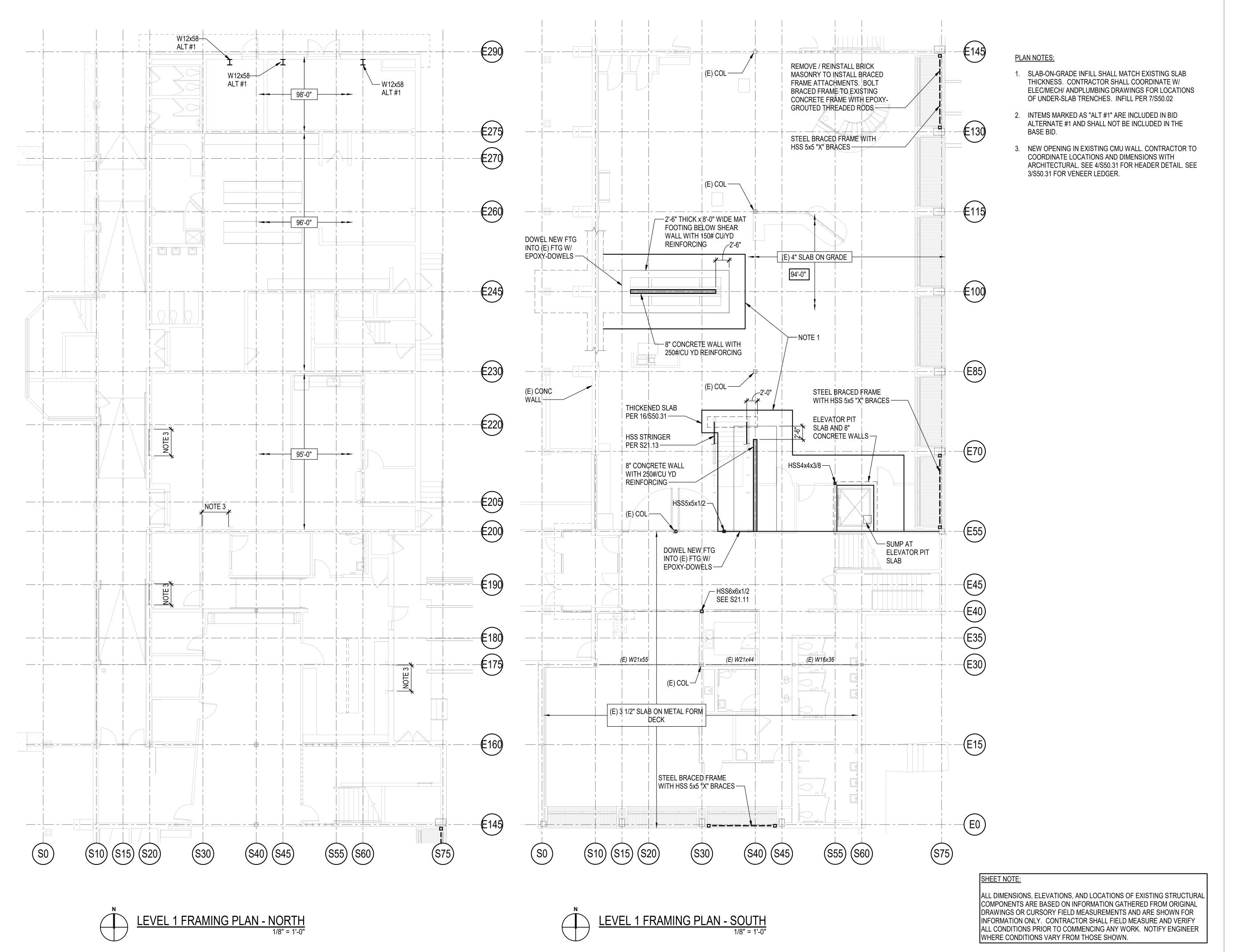
S21.11



LEVEL 3 FRAMING PLAN

1/8" = 1'-0"

BASEMENT FLOOR PLAN
1/8" = 1'-0"



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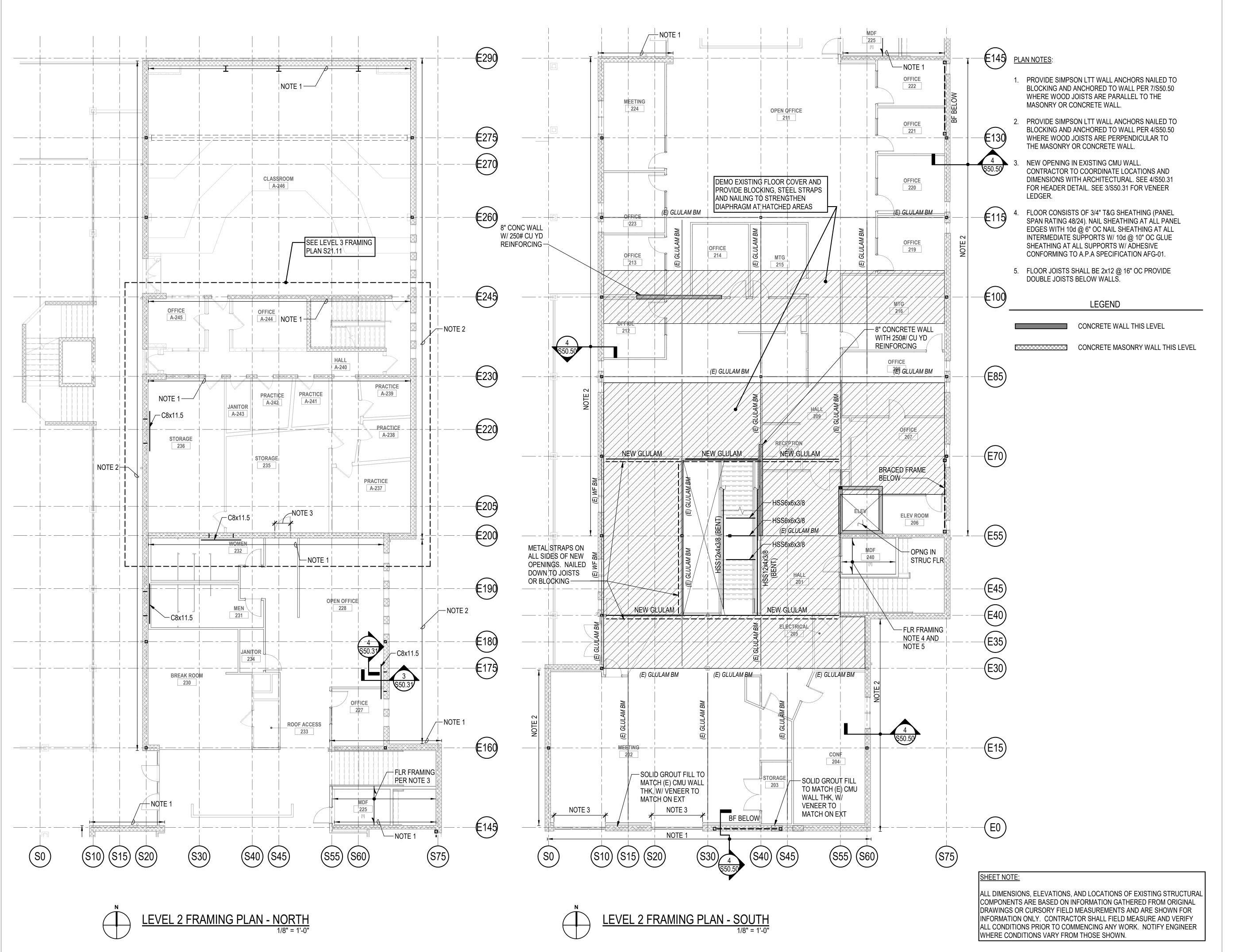
ISSUE DATE DECEMBER 23, 2019

REVISION SCHEDULE

FLOOR PLAN - LEVEL 1

SHEET#

S21.12



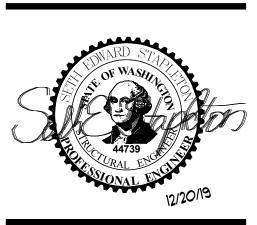
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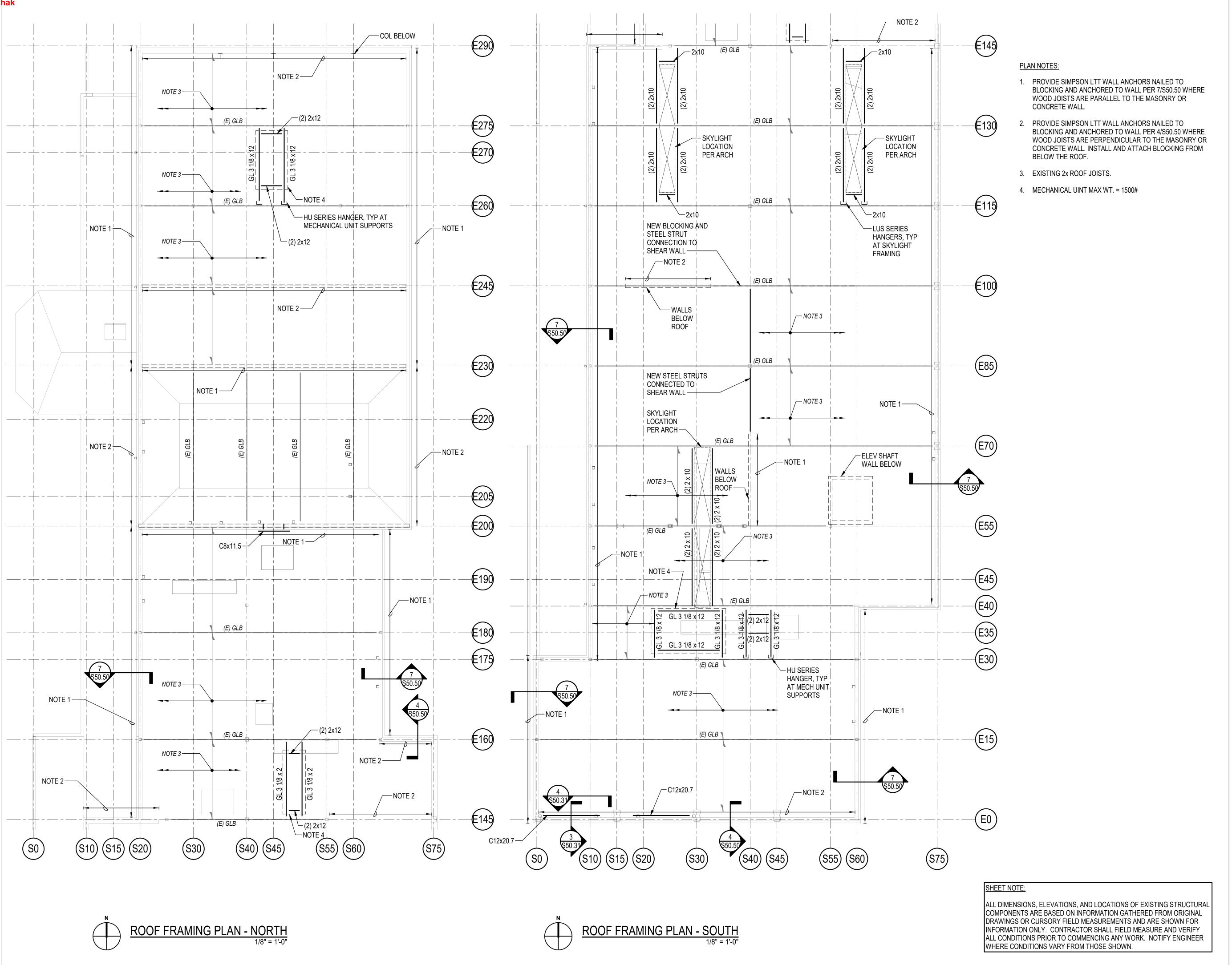
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PROJECT#	!		26	2019.0
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ISSUE DAT	E D	ECEM	BER	23, 20
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SHEET# **S21.13** 

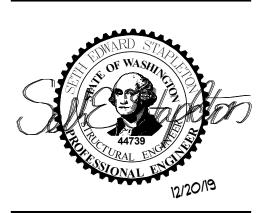


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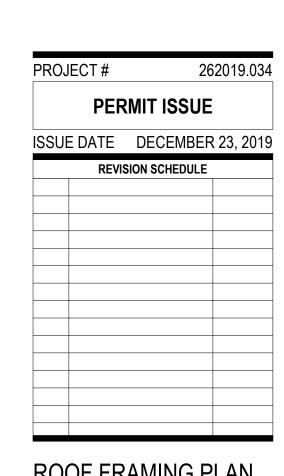
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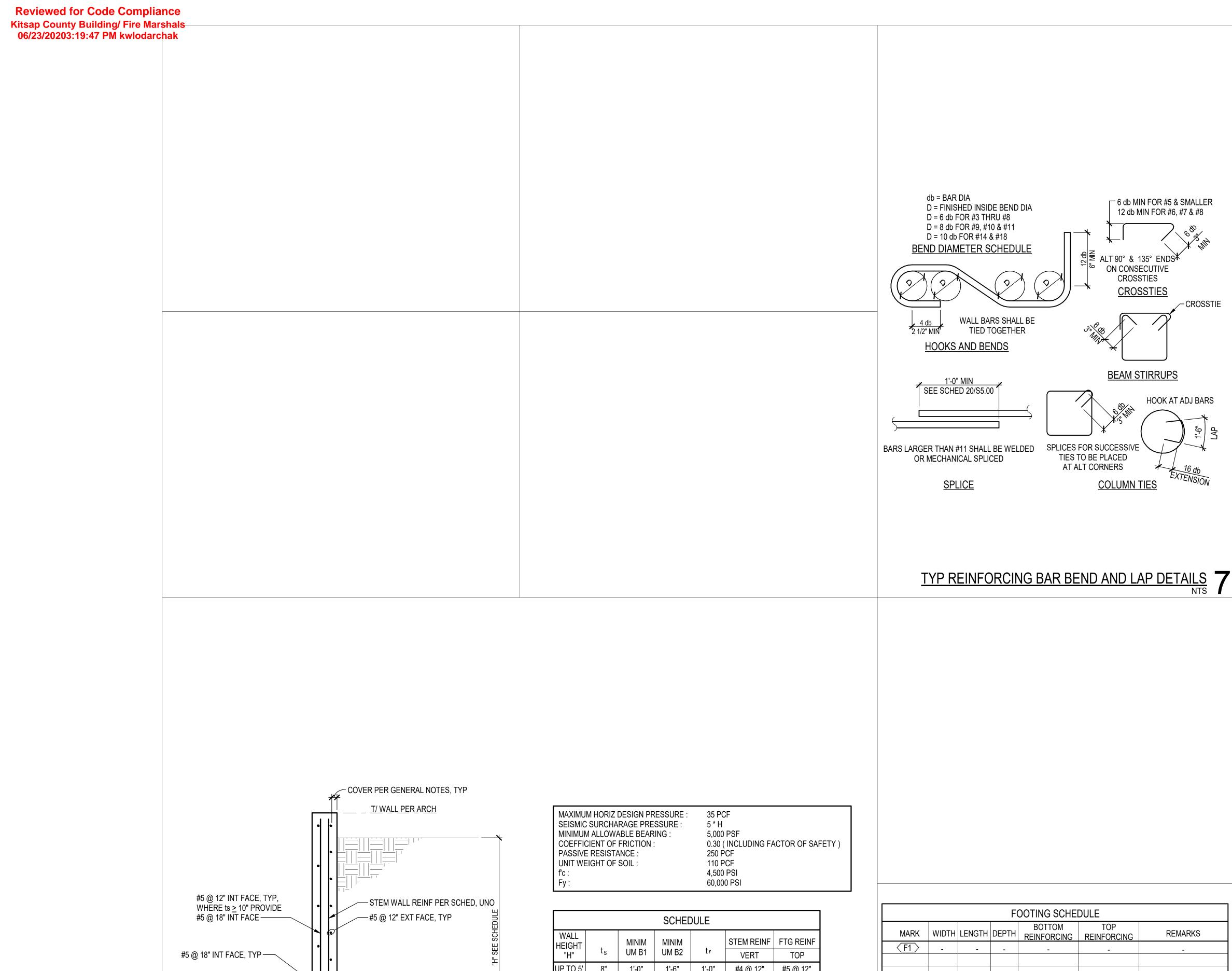
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## RENOVATION ERSON HILL RD CKSD 900 BUILDING 3700 NW ANDE



**ROOF FRAMING PLAN** 



SCHEDULE									
WALL HEIGHT "H"	t <sub>s</sub>	MINIM UM B1	MINIM UM B2	tr	STEM REINF VERT	FTG REINF			
JP TO 5'	8"	1'-0"	1'-6"	1'-0"	#4 @ 12"	#5 @ 12"			
6'-0"	8"	1'-8"	2'-0"	1'-0"	#5 @ 12"	#5 @ 12"			
8'-0"	8"	2'-3"	3'-0"	1'-0"					
10'-0"	10"	2'-3"	4'-6"	1'-6"	#6 @ 12"	#5 @ 12"			
12'-0"	10"	2'-6"	4'-10"	1'-6"	#7 @ 8"	#6 @ 10"			
	12"				#8 @ 8"	#6 @ 8"			
14'-0"	14"	3'-0"	5'-0"	1'-6"	#9 @ 9"	#7 @ 8"			

#6 @ 12" BOT, FROM TOE TO

INT FACE OF STEM WALL -

#6 LONGIT BOT BARS

/—CJ, LEAVE ROUGH

FTG TOP REINF PER SCHED

-#6 @ 12" TOP FULL WIDTH

6'-0"	8"	1'-8"	2'-0"	1'-0"	#5 @ 12"	#5 @ 12"
8'-0"	8"	2'-3"	3'-0"	1'-0"	#6 @ 12"	#5 @ 12"
10'-0"	10"	2'-3"	4'-6"	1'-6"	#7 @ 8"	#6 @ 10"
12'-0"	10"	2'-6"	4'-10"	1'-6"	#8 @ 8"	#6 @ 8"
14'-0"	12"	3'-0"	5'-0"	1'-6"	#9 @ 9"	#7 @ 8"
16'-0"	14"	3'-0"	6'-0"	1'-6"	#9 @8"	#7 @ 8"
					,,, e,e,	<i>""</i> @ 3

TYPICAL CONCRETE CANTILEYER WALL 14

FOOTING SCHEDULE 15

DEVELOPMENT AND SPLICE LENGTH TABLES NTS

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RENOVATION

**CKSD** BUILDING

900

SD

3700 NW ANDEF SILVERDALE

 $\$  MINIMUM STRAIGHT DEVELOPMENT LENGTH  $(\ _{\mathsf{Lb}}\ )$ flo = 4 000 to 5 000 DSI

	f'c = 4,000 to 5,000 PSI				
BAR SIZE	TOP BARS	OTHER BARS			
# 3	19"	15"			
# 4	25"	19"			
# 5	31"	24"			
# 6	37"	29"			
#7	54"	42"			
#8	62"	48"			
# 9	70"	54"			
# 10	79"	61"			
# 11	87"	67"			

+ "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

IF CLEAR CONCRETE COVER IS LESS THAN 1x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN ( 3 ) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

MINIMUM LAP SPLICE LENGTHS  $(L_b)$   $\stackrel{\leftarrow}{+}$  (CLASS B)

	f'c = 4,000	to 5,000 PSI
BAR SIZE	TOP BARS	OTHER BARS
#3	25"	19"
# 4	33"	25"
# 5	40"	31"
# 6	48"	37"
#7	71"	54"
#8	81"	62"
# 9	91"	70"
# 10	103"	79"
# 11	114"	87"

TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

IF CLEAR CONCRETE COVER IS LESS THAN 1x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN ( 3 ) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

MINIMUM EMBEDMENT LENGTHS (Ldh ) FOR STANDARD END HOOKS

A. FOR GENERAL USES:

OR GENERAL USES:	
BAR SIZE	_f'c = 4,000 to 5,000 PS
# 3	6"
# 4	7"
# 5	9"
# 6	10"
#7	12"
#8	14"
#9	15"
# 10	17"
# 11	19"

- 1. SIDE COVER MUST BE EQUAL TO OR GREATER THAN 2 1/2".
- 2. END COVER FOR 90 DEGREE HOOKS MUST BE EQUAL TO OR GREATER THAN 2".

262019.034 PROJECT# PERMIT ISSUE ISSUE DATE DECEMBER 23, 2019 REVISION SCHEDULE

TYPICAL CONCRETE <u>DETAILS</u>

RICE ET SUSMILLER

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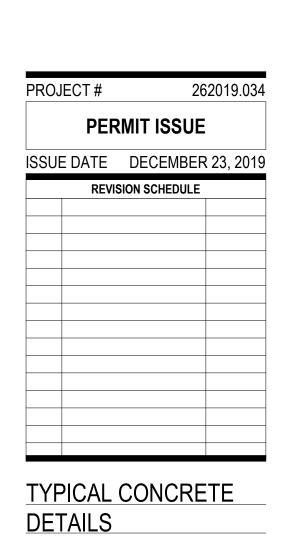
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# 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD



SHEET# **S50.01** 

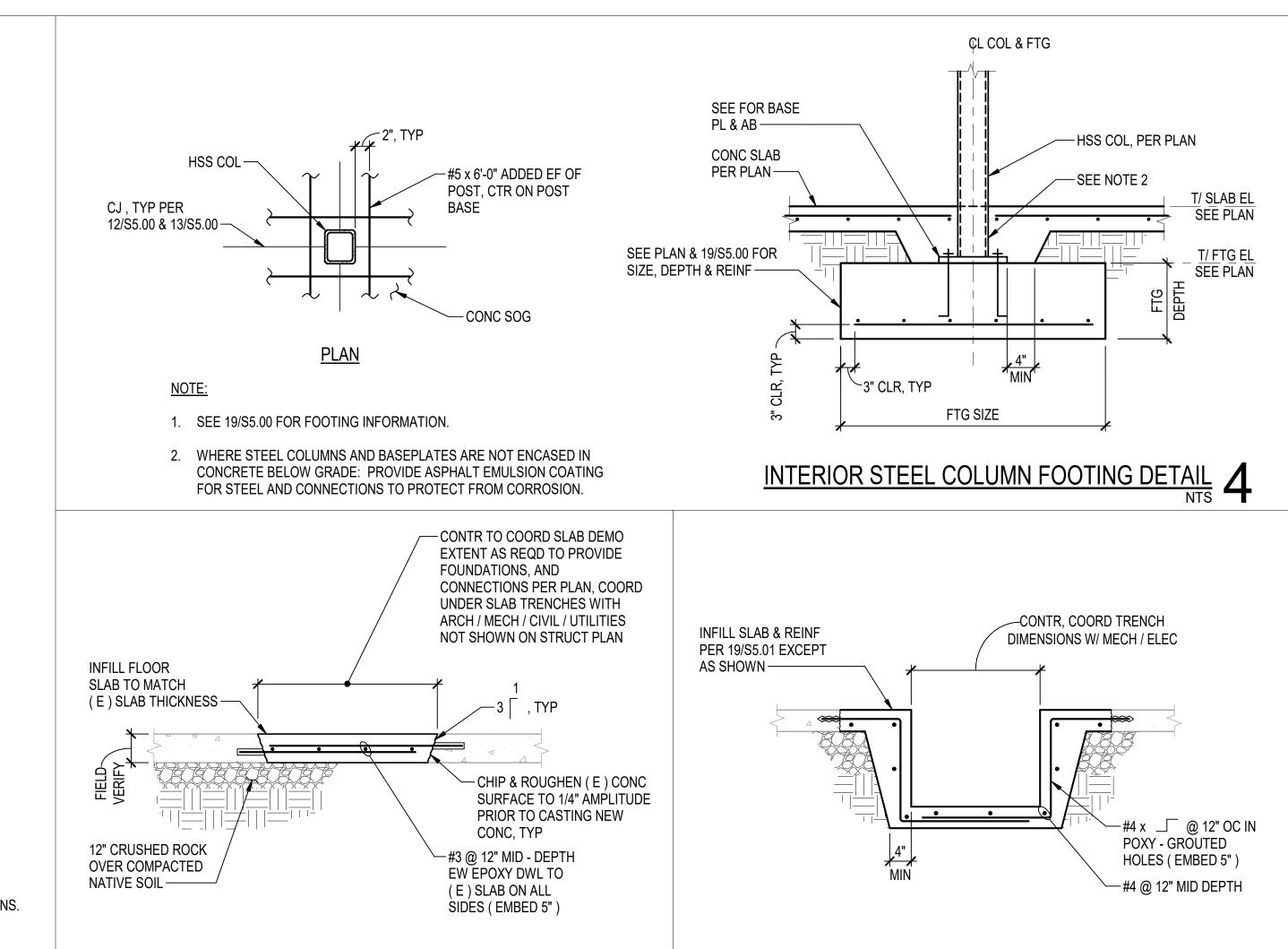
TYPICAL STEPPED FOOTING DETAIL 16

TYPICAL PIPE ENCASEMENTAT FOOTING NTS 15

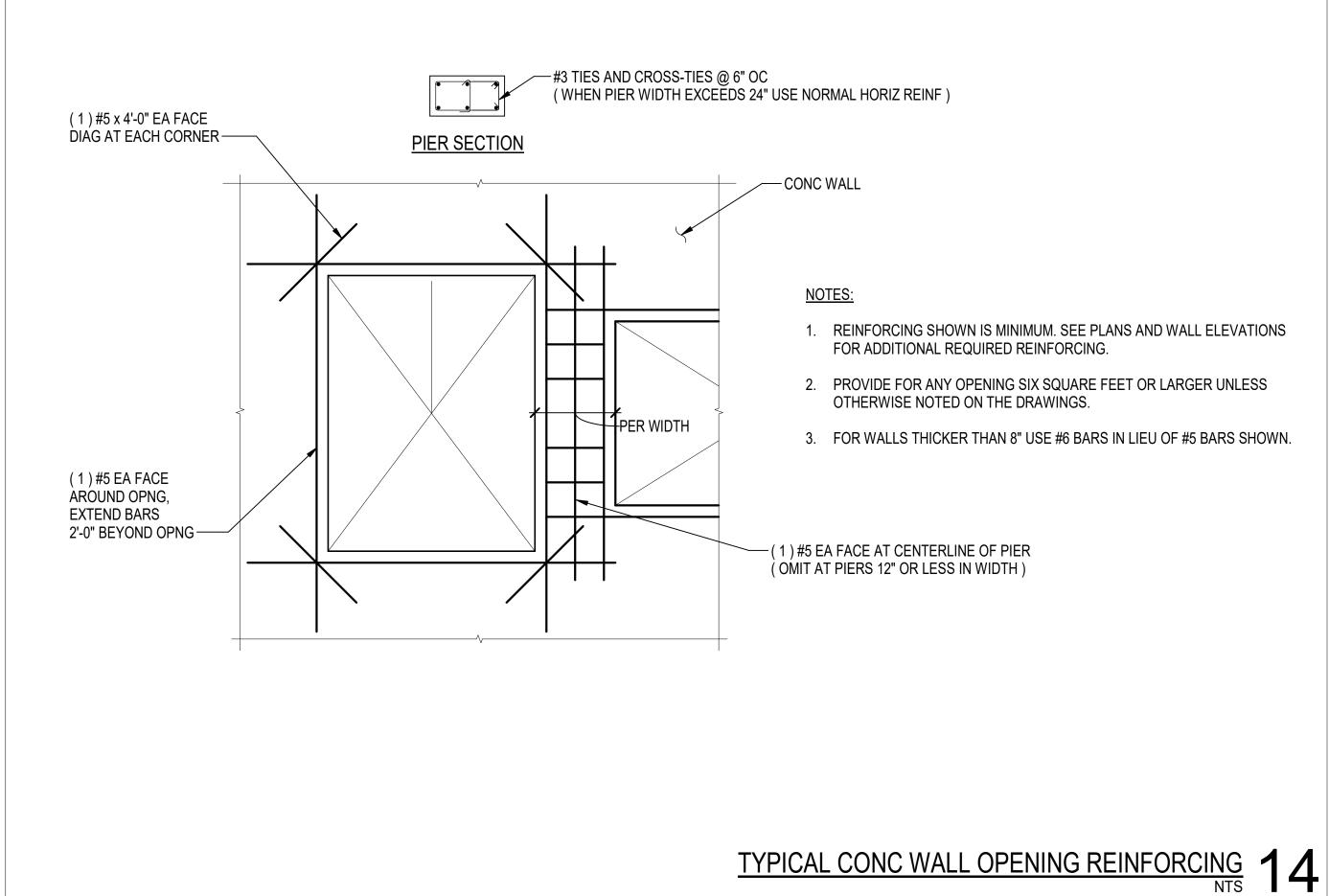
TYPICAL SLAB ON GRADE STEP DETAILS 14

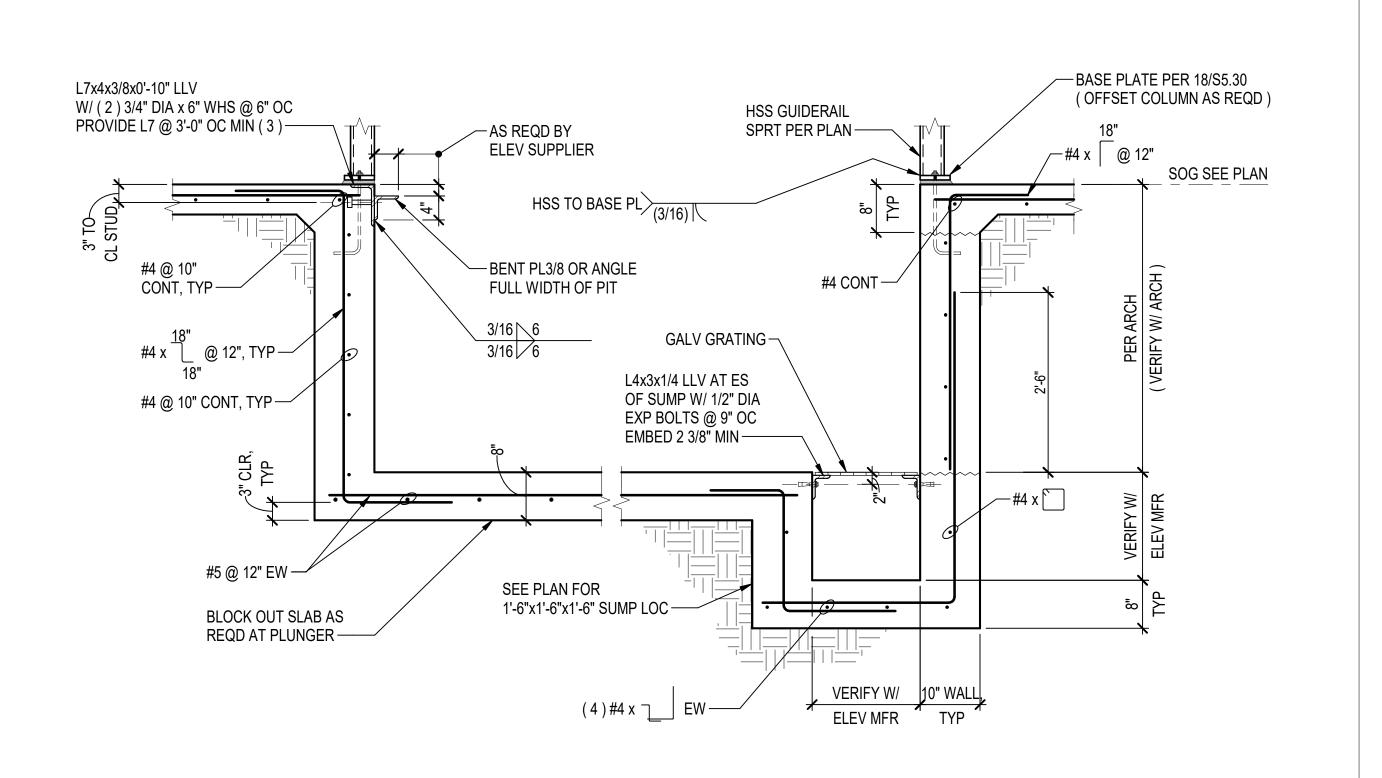
**EQUIPMENT CURBS** 

CURB AND PAD ON CONCRETE SLAB DETAILS 13



TYPICAL (E) FLOOR SLAB INFILL DETAIL NTS





TYPICAL ELEVATOR PIT 16

UTILITY TRENCH DETAIL 8

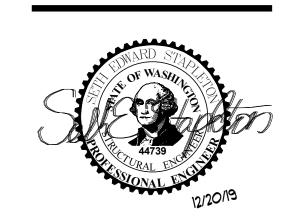
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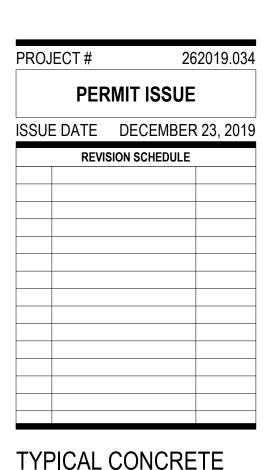
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TYPICAL CONCRETE
DETAILS

SHEET#

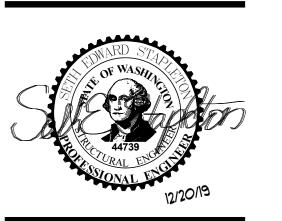
**S50.02** 

RICEGE SWILLER
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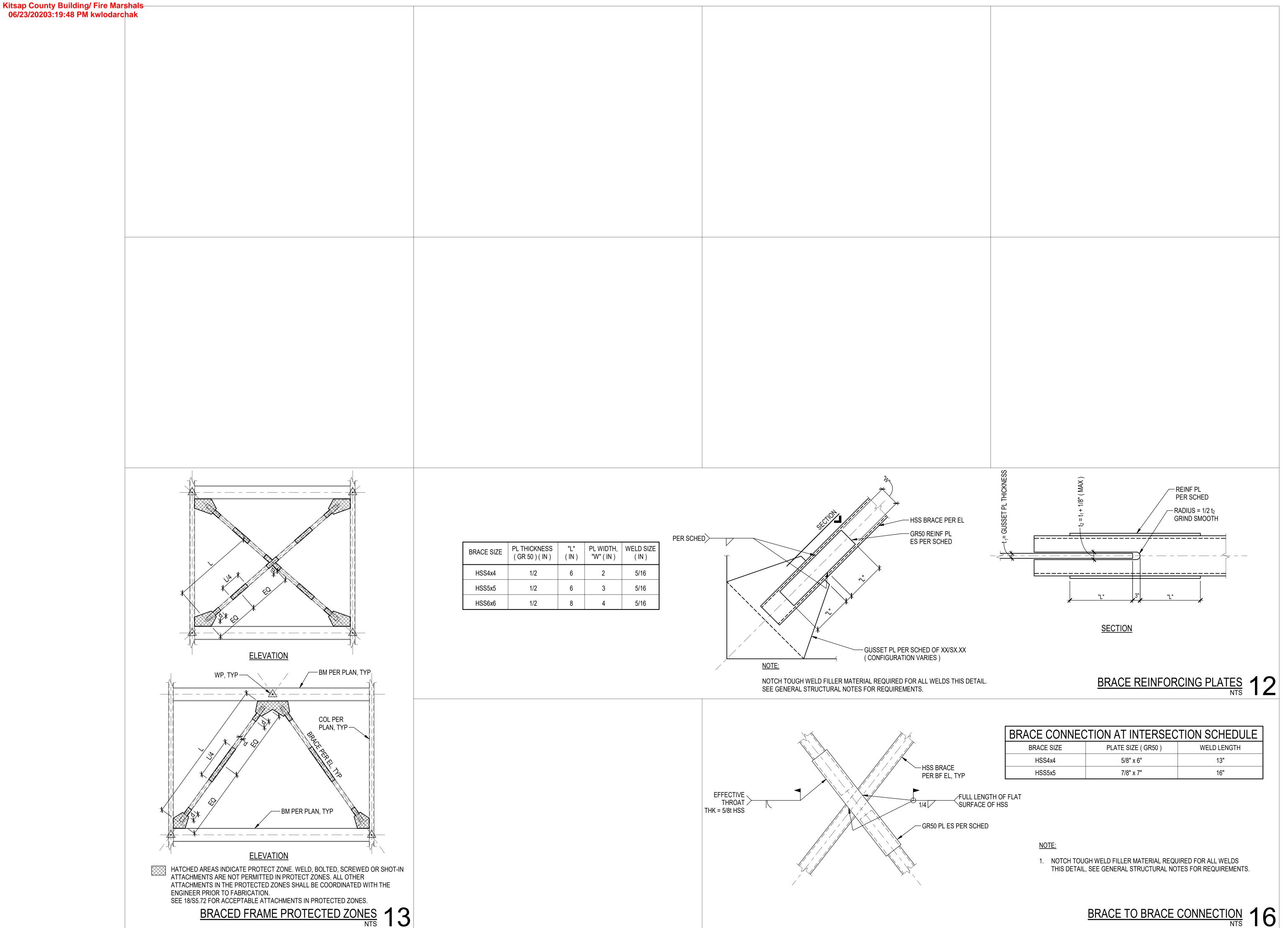
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PROJECT#	262019.
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ISSUE DATE	DECEMBER 23, 2
REVI	SION SCHEDULE

STEEL DETAILS

SHEET# **S50.31** 

STAIR A - DETAIL 15



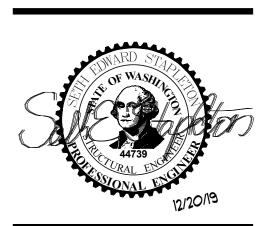
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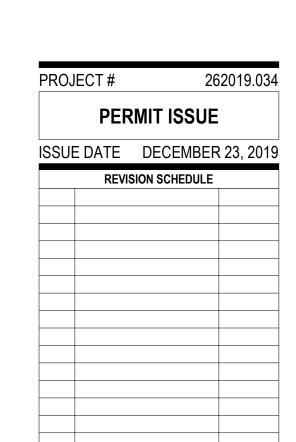
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# 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERNALE WA 98383



BRACED FRAME
DETAILS

SHEET#

S50.41

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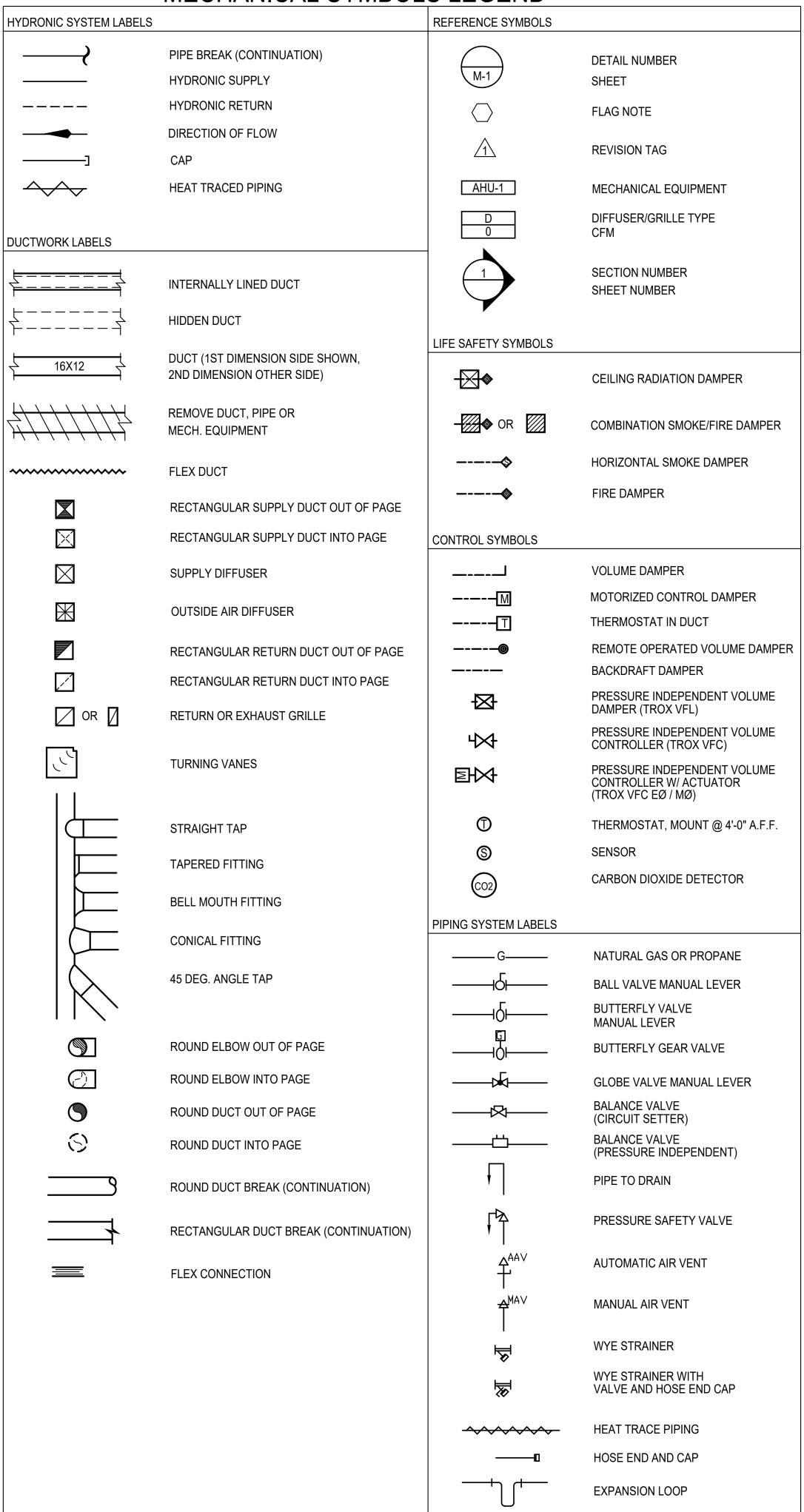
## 3700 NW ANDEF SILVERDALE

262019.034 PERMIT ISSUE ISSUE DATE DECEMBER 23, 2019 REVISION SCHEDULE

TYPICAL WOOD

**Reviewed for Code Compliance Kitsap County Building/ Fire Marshals** 06/23/20203:19:48 PM kwlodarchak

## MECHANICAL SYMBOLS LEGEND



Permit Number: 19-05911

## ADDDE\/IATIONIC

	ABBF	REVIATI	ONS
ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL
ADA	AMERICANS WITH DISABILITIES ACT		UNIT PER HOUR
ADJ	ADJUSTABLE	MED	MEDIUM
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	MEP	MECHANICAL, ELECTRICAL & PLUMBING
ALT	ALTERNATE	MEZZ	MEZZANINE
AP	ACCESS PANEL	MIN	MINIMUM OR MINUTE
APPROX	APPROXIMATE	MISC	MISCELLANEOUS
ARCH AS	ARCHITECTURAL/ARCHITECT AIR SEPARATOR	N/A	NOT APPLICABLE
AUX	AUXILIARY	NC	NORMALLY CLOSED
		NEG	NEGATIVE
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BHP BLDG	BRAKE HORSE POWER BUILDING	NO NOM	NORMALLY OPEN NOMINAL
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR	OA/OSA	OUTSIDE AIR
CA	COMBUSTION AIR	OBD	OPPOSED BLADE DAMPER
CFH	CUBIC FEET PER HOUR	OC	ON CENTER
CFM	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
CLG CO	CEILING CARBON MONOXIDE	OFCI	OWNER FURNISHED  CONTRACTOR INSTALLED
CO2	CARBON DIOXIDE	OFOI	OWNER FURNISHED
COND	CONDENSATE		OWNER INSTALLED
CW	COLD WATER	4.0	DDECOUDE DIFFEDENTIAL
CX	CONNECT TO EXISTING	ΔP PERF	PRESSURE DIFFERENTIAL PERFORATED
dB	DECIBEL	Φ OR PH	PHASE
DB °F	DRY BULB TEMPERATURE	PIVD	PRESSURE INDEPENDENT VOLUME DAMPER
° OR DEG.	DEGREE	PLBG	PLUMBING
Ø OR DIA DN	DIAMETER DOWN	POC PRV	POINT OF CONNECTION PRESSURE REDUCING VALVE
DWG(S)	DRAWING(S)	PSF	POUNDS PER SQUARE FOOT
DWV	DRAIN, WASTE, VENT	PSI	POUNDS PER SQUARE INCH
ΕV	EVICTING/EVICTING TO DEMAIN	PSIG	POUNDS PER INCH GAUGE
EX EA	EXISTING/EXISTING TO REMAIN EACH	PTAC	PACKAGE TERMINAL  AIR CONDITIONER
EA	EXHAUST AIR		AIR CONDITIONER
EAT	ENTERING AIR TEMPERATURE	QTY	QUANTITY
ERU	ENERGY RECOVERY UNIT	DΛ	
ESP ET	EXTERNAL STATIC PRESSURE EXPANSION TANK	RA RH	RETURN AIR RELATIVE HUMIDITY
EXP	EXPANSION	RM	ROOM
		RPBP	REDUCED PRESSURE
FC FDSD	FAIL CLOSED FIRE DAMPER SMOKE DAMPER	RPM	BACKFLOW PREVENTER
FDSD FF	FINISHED FLOOR	RLX	REVOLUTIONS PER MINUTE RELOCATE EXISTING
FLA	FULL LOAD AMPS	RTU	ROOF TOP UNIT
FO	FAIL OPEN	RV	RELIEF VALVE
FP FPM	FIRE PROTECTION FEET PER MINUTE	RX	REMOVE EXISTING
FPS	FEET PER SECOND	SA	SUPPLY AIR
FT	FEET/FOOT	SD	SMOKE DETECTOR
FTG	FOOTING	SF	SQUARE FOOT
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	S.L. SP	SOUND LINER STATIC PRESSURE
FOIO	FURNISHED BY OWNER	SPEC	SPECIFICATION
	INSTALLED BY OWNER	S/S, OR SS	STAINLESS STEEL
FSD	FIRE/SMOKE DAMPER	STD	STANDARD
G	NATURAL GAS	T&P	TEMPERATURE AND PRESSURE
GA	GAUGE		RELIEF VALVE
GAL	GALLON	TBD	TO BE DETERMINED
GALV G.C.	GALVANIZED GENERAL CONTRACTOR	TEMP TOB	TEMPERATURE TOP OF BEAM
GSM	GALVANIZED SHEET METAL	TOC	TOP OF CONCRETE
		TOD	TOP OF DECK
Н	HEIGHT	TOJ	TOP OF JOIST
HD HP	HEAD HORSEPOWER	TOS T&P	TOP OF SLAB/TOP OF STEEL TEMPERATURE & PRESSURE
HVAC	HEATING VENTILATING AND	TSP	TOTAL STATIC PRESSURE
	AIR CONDITIONING	TYP	TYPICAL
HW	HOT WATER	1.11	
HX HZ	HEAT EXCHANGER HERTZ	UL UNO	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE
<u></u>		UTR	UP THROUGH ROOF
ID 	INSIDE DIAMETER/DIMENSION		
IN IN WC	INCH/INCHES INCHES WATER COLUMN	V VAV	VOLT VARIABLE AIR VOLUME
IIN VVC	INCLIES VVALER COLUIVIN	VAV VERT	VARIABLE AIR VOLUME VERTICAL
KW	KILOWATT/KILOWATTS	VFD	VARIABLE FREQUENCY DRIVE
	. = N (N) =	VIB	VALVE-IN-BOX
LAT LBS	LEAVING AIR TEMPERATURE POUNDS	VOL	VOLUME
LB5 LF	LINEAL FOOT	W/	WITH
LRA	LOCKED ROTOR AMPS	W/IN	WITHIN
LTG	LIGHTING	W/O	WITHOUT
LWT	LEAVING WATER TEMPERATURE	WB °f WC	WET BULB TEMPERATURE WATER COLUMN
		WPD	WATER COLONIN WATER PRESSURE DROP
		WT	WEIGHT

WEIGHT



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## RENOVATION SD/ CKSD, BUILDING 900

PROJECT#		181
PE	RMIT SET	
ISSUE DATE	DECEMBER	24, 20
REVI	SION SCHEDULE	

COVER SHEET

## **COMMISSIONING NOTES**

- 1. BUILDING COMMISSIONING BY A CERTIFIED COMMISSIONING PROFESSIONAL (CCXP) SHALL BE COMPLETED FOR THE MECHANICAL SYSTEMS, SERVICE WATER HEATING SYSTEMS AND ENERGY METERING SYSTEMS ON THIS PROJECT IN ACCORD WITH THE COMMERCIAL ENERGY CODE SECTION C408 AND SPECIFICATION SECTION 230800. THE GOAL OF COMMISSIONING IS TO VERIFY THAT EQUIPMENT, CONTROLS AND THE SEQUENCING OF SUCH OPERATE AS INTENDED. THE COMMISSIONING DOCUMENTATION THAT IS REQUIRED IS THE PROOF OF THIS OPERATION. THE FOLLOWING TASKS ARE REQUIRED FOR COMMISSIONING. SEE SECTION 230800 FOR ADDITIONAL REQUIREMENTS.
- 2. COMMISSIONING PLAN: THE CCXP SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS. ITEMS 1 THROUGH 4 AS SPECIFIED SHALL BE PREPARED AND SUBMITTED WITH THE MECHANICAL PERMIT. ITEMS 5 THROUGH 8 AS SPECIFIED SHALL BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO THE FIRST MECHANICAL INSPECTION. ALL ITEMS SHALL BE SUBMITTED WITH THE MECHANICAL SUBMITTALS.
- 3. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE CCXP. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
- A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL MECHANICAL & PLUMBING INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
- B. A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL
- 4. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M MANUALS, FINAL BALANCING REPORT, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED FOR REVIEW.
- 5. RECORD DRAWINGS: LOCATION AND PERFORMANCE DATA ON EACH PIECE OF INSTALLED EQUIPMENT, AS-INSTALLED CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM, INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES OF THE ACTUAL INSTALLATION.
- 6. OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING.
- A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE
- B. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
- C. NAME AND ADDRESS OF SERVICE AGENCY.
- D. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
- E. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
- 7. SYSTEM ADJUSTING & BALANCING: ALL HVAC, HYDRONIC AND SERVICE HOT WATER SYSTEMS SHALL BE BALANCED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH ACCEPTED ENGINEERING STANDARDS AND SECTION 230593. FINAL FLOW RATES SHALL BE WITHIN TOLERANCES SPECIFIED. EACH AIR INLET OR OUTLET AND HYDRONIC COIL SHALL BE EQUIPPED WITH A MEANS FOR BALANCING.
- 8. FUNCTIONAL PERFORMANCE TESTING (FPT): THE CCXP SHALL PROVIDE AND EXECUTE WRITTEN PROCEDURES WHICH CLEARLY

DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE, ACCEPTANCE CRITERIA FOR

EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS AND ANY NOTES. TESTING SHALL AFFIRM OPERATION DURING ACTUAL OR SIMULATED WINTER AND SUMMER CONDITIONS AND DURING FULL OUTSIDE AIR CONDITIONS.

- A. EQUIPMENT FPT SHALL DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM, AND SYSTEM-TO-SYSTEM UBTERTIE RELATIONSHIP. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATIONS, INCLUDING FULL-LOAD, PART-LOAD, EMERGENCY, ALARMS AND LOSS OF POWER.
- B. CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE
- CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE AS REQUIRED.
- C. ECONOMIZER SHALL UNDERGO A FUNCTIONAL TEST TO DETERMINE THAT THEY OPERATE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 9. OWNER TRAINING: PROVIDE SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED.
- 10. FINAL COMMISSIONING REPORT: THE CCXP SHALL COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE
- TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE:

  A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
- B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.
- BUILDINGS OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT. THIS MAY BE ACCOMPLISHED BY SUBMITTING THE COMMISSIONING COMPLIANCE CHECKLIST.
- 12. THE MECHANICAL CONTRACTOR SHALL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE PRELIMINARY COMMISSIONING REPORT HAS BEEN APPROVED BY THE ENGINEER.

## **HVAC GENERAL NOTES**

- 1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET, WHICH MAY BE REQUIRED.
  THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE
  COMMENCING WORK.
- 2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE AND LOCAL CODES AND ORDINANCES.
- 3. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.
- 4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
- 5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF THE CURRENT INTERNATIONAL ENERGY CODE AND SPECIFICATION.
- 6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.
- 7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.
- 8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
- 9. PROVIDE RETURN DUCT SMOKE DETECTOR(S) FOR AUTOMATIC SHUT DOWN OF ALL HEATING OR COOLING EQUIPMENT DELIVERING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH THE CURRENT INTERNATIONAL MECHANICAL CODE. POWER WIRING AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR.
- 10. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- 11. HVAC CONTRACTOR MUST COORDINATE WITH LIGHTING FIXTURES PRIOR TO DUCT AND PIPING INSTALLATION.

## HVAC ENERGY CODE NOTES

- 1. SEE SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. ALL EQUIPMENT SHALL MEET MINIMUM EFFICIENCY PER C403.2.3.
- 2. THERMOSTATIC CONTROLS IN THE SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF THE FLOOR AREA OF EITHER ZONE SHALL BE INTERLOCKED TO NOT ALLOW SIMULTANEOUS HEATING AND COOLING.
- 3. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC HEAT SHALL INCLUDE MICROPROCESSOR CONTROLS THAT MINIMIZE ELECTRIC HEAT USAGE DURING START-UP, SET-UP, AND DEFROST CONDITIONS. CONTROLS SHALL ANTICIPATE NEED FOR HEAT AND USE COMPRESSION HEATING AS THE FIRST STAGE. CONTROLS SHALL INDICATE WHEN ELECTRIC HEAT IS BEING USED THROUGH VISUAL MEANS. ELECTRIC HEAT SHALL NOT OPERATE ABOVE 40 F OUTSIDE AIR TEMPERATURE.
- 4. THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH AT LEAST A 5F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
- THERMOSTATS (OTHER THAN GROUP R) SHALL BE 7-DAY PROGRAMMABLE WITH AUTOMATIC SETBACK CONTROLS SET DOWN TO 55F AND UP TO 85F. CONTROLS SHALL MAINTAIN PROGRAMMING FOR AT LEAST 10 HOURS DURING LOSS OF POWER. CONTROLS SHALL HAVE A MANUAL 2 HR OVERRIDE FOR TEMPORARY OPERATION. CONTROLS SHALL ADJUST THE DAILY START TIME FOR MORNING WARMUP PRIOR TO SCHEDULED OCCUPANCY.
- PROVIDE AMCA CLASS 1 MOTORIZED CONTROL DAMPERS FOR OUTSIDE AIR INTAKES, EXHAUST OUTLETS, RELIEF OPENINGS, STAIRWAY AND SHAFT VENTS AND RETURN SIDE OF AIRSIDE ECONOMIZERS.
- 7. AIR-COOLED UNITARY DIRECT-EXPANSION UNITS WITH A COOLING CAPACITY OF 54 MBH OR GREATER THAT ARE EQUIPPED WITH AN ECONOMIZER SHALL INCLUDE FAULT DETECTION AND DIAGNOSTICS (FDD).
- 8. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED COMBUSTION CONTROL FOR ALL EQUIPMENT OVER 225 MBH.
- 9. THERMOSTATS (GROUP R) SHALL BE 5-2 PROGRAMMABLE SCHEDULE WITH AT LEAST 2 SETBACK PERIODS PER DAY.
- 10. PROVIDE DUCT, SHAFT AND PLENUM INSULATION PER C403.2.8 AND SPECIFICATION SECTION 23 07 00.
- 11. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS, JOINTS AND CONNECTIONS OF ALL DUCTWORK WITH WELDS, GASKETS OR MASTICS.
- 12. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 23 07 00.
- 13. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
- 14. SINGLE FAN OR MULTIPLE FANS IN PARALLEL WITH COMBINED MOTOR NAMEPLATE OVER 5HP SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER AND SHALL BE SELECTED TO OPERATE WITHIN 15% OF THE MAXIMUM TOTAL EFFICIENCY OF THE
- 15. COOLING SYSTEMS 65 MBH AND GREATER SHALL HAVE TWO SPEED FAN CONTROL OR MODULATING FAN CONTROL.
- 16. FAN AND PUMP MOTORS 7.5 HP AND GREATER SHALL BE PROVIDED WITH A VFD.
   17. ECONOMIZERS SHALL BE INTEGRATED WITH MECHANICAL COOLING AND SHALL BE CAPABLE OF PROVIDING PARTIAL ECONOMIZER COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED.
- 18. AIR ECONOMIZERS SHALL HAVE FIXED DRY-BULB HIGH-LIMIT SHUTOFF CONTROL NOT TO EXCEED 75 DEG. F.
- 19. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4).
- 20. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM.
- 21. PROVIDE A MEANS OF BALANCING EVERY AIR INLET AND OUTLET AND EVERY AIR OR WATER TERMINAL DEVICE.
- 22. ALL PIPE AND DUCT INSULATION SHALL BE LABELLED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).

ARTEGERGUSMILLEA

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# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

NOTES

ELECTRIC DUCT HEATER SCHEDULE										
MARK	MAKE	MODEL	DUCT SIZE	HEAT KW	STAGES	VOLT / PH	NOTES			
DH-1	INDEECO	QUZ	44"X14"	15	SCR	208V / 3	ALL			
DH-2	INDEECO	QUZ	50"X14"	20	SCR	208V / 3				

## NOTES:

- 1. FLANGED DUCT CONNECTION
- 2. CONTROLLED BY ROOM SENSOR AND CONTROL SYSTEM AS MODULATED HEATING WITH SCR CONTROLLER
- 3. VERIFY EXACT EXISTING DUCT SIZE AT SITE PRIOR TO ORDERING

GYMNASIUM MAINTENANCE REPLACEMENT OF HEAT AND VENT UNIT															
					SUPPLY AIR			HEATING-GAS			ELECTRIC				
					O.S.A.		FAN	INPUT	OUTPUT		VOLT/		SCCR	WEIGHT	
MARK	MAKE	MODEL	TYPE	SERVES	CFM	ESP	HP	МВН	МВН	EFF.	PH	MCA	(kA)	LBS	NOTES
HV-1	GREENHECK	IGX-112-H22	ROOFTOP	TYPE I	3,500	0.60	2	200	160	0.8	208 / 3	10.9	NOTE A	1800	1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 13, A, B, C

## NOTES:

- 1. V-BANK FILTER SECTION WITH 2" MERV 8 PLEATED FILTERS
- 2. INSULATED MOTORIZED INLET DAMPER
- 3. INLET AIR SENSOR AND FREEZESTAT
- 4. DIRTY FILTER SENSOR
- 5. DOUBLE WALL CONSTRUCTION WITH INSULATION
- 6. NEOPRENE BLOWER VIBRATION ISOLATION
- 7. HINGED ACCESS DOORS

- 8. MODULATING 4:1 BURNER TURNDOWN.
- 9. WEATHERHOOD WITH SCREEN
- 10. MASON SRSC SPRING ISOLATION CURB
- 11. STAINLESS STEEL HEAT EXCHANGER 12. OUTDOOR VERTICAL STACK VENT
- 13. DOWNSHOT UNIT WITH MIXING BOX
- A. PROVIDE RATING PER SPECIFICATIONS AND ELECTRICAL
- B. MICROPROCESSOR CONTROLLER WITH REMOTE DISPLAY INTERFACE
- C. DISCHARGE AIR TEMPERATURE CONTROL W/ ROOM OVERRIDE.

ITEM	MAKE	MODEL	DESCRIPTION	SIZE	MARK
SUPPLY	PRICE	SMCD	SQUARE FACE/NECK, SURFACE	6"X6"	CD-1
DIFFUSER			MOUNT FRAME SIZE OR 24"X24"	8"X8"	CD-2
			LAY-IN. SIDE INLET PLENUM PER	10"X10"	CD-3
			PLANS. 4 ADJ. CORES, STEEL,	12"X12"	CD-4
			WHITE ENAMEL		
OSA	PRICE	SPJD	SQUARE FACE	6"-24X24	CD-21
SUPPLY			INDUCTION NOZZLES	4"-12"X12"	CD-22
DIFFUSER			STEEL, WHITE ENAMEL		
			PROVIDE 5" DIAMETER SIDE		
			INLET PLENUM		
SUPPLY	PRICE	RCDA	ROUND FACE, ROUND NECK,	10"	CD-11
ROUND			ADJUSTABLE CONES WITH	12"	CD-12
DIFFUSER			SCREWDRIVE ROTATION.	14"	CD-13
			STEEL, WHITE ENAMEL.		
SUPPLY	PRICE	520	3/4" BLADE SPACING, DOUBLE	8"X8"	SG-1
REGISTER			DEFLECTION, BLADES PARALLEL	18"X6"	SG-2
			TO LONG DIMENSION, STEEL,	24"X6"	SG-3
			WHITE FINISH		
RETURN	PRICE	80	1/2" EGG CRATE, ALUM.,	12"X24"	RG-1
GRILLE			WHITE ENAMEL	24"X24"	RG-2
				24"X48"	RG-3
RETURN	PRICE	530	3/4" BLADE SPACING, 45 DEG	8"X8"	EG-1
GRILLE			DEFLECTION, BLADES PARALLEL	12"X6"	EG-2
			TO LONG DIMENSION, STEEL,	10"X10"	EG-3
			WHITE	12"X12"	EG-4
				36"X10"	EG-5

## NOTES:

- 1. CEILING UNIT FRAME SHALL BE COMPATIBLE WITH CEILINGS; FLAT FRAME SURFACE MOUNT FOR DRYWALL CEILINGS AND WITH LAY-IN PANEL FOR EXPOSED GRID CEILINGS. SEE ARCHITECTURAL PLANS FOR CEILING TYPES.
- 2. BEVELED DROP FACE DIFFUSERS ARE NOT ACCEPTABLE.
- 3. SIZE INDICATES DUCT COLLAR.

ENE	RGY RECOVE	RY VENTILATOR	SCHEDU	ILE											
					SUF	PPLY	EXHA	AUST	HEAT RECOVERY					E	ELECTRI
MADK	SEDVES	TVDE	MAKE	MODEL	CEM	ESD	CEM	ESD	EEEICIENCV	COOLING CARACITY	EED	HEATING CARACITY	Hebe	B40.0	

					SUP	PLY	EXH	AUST	HEAT RECOVERY						ELECTRICA	<b>NL</b>	WT.	NOISE
MARK	SERVES	TYPE	MAKE	MODEL	CFM	ESP	CFM	ESP	EFFICIENCY	COOLING CAPACITY	EER	HEATING CAPACITY	HSPF	MCA	МОСР	VOLT/PH	LBS	LEVEL NOTES
ERV-1	CKSD ADMIN OFFICES	OUTDOOR HEAT PUMP DOAS	REZNOR	ZQYRA	1,250	0.8	1,200	0.8	78% SENSIBLE MIN 50% LATENT	58.8 TC / 42.5 SC	11.9	122 MBH AT 20F	9	45.3	60	208 / 3	1200	75 DBA ALL
ERV-2	COMMUNITY SPACES	OUTDOOR HEAT PUMP DOAS	REZNOR	ZQYRA	1,300	0.8	1,250	0.8	78% SENSIBLE MIN 50% LATENT	58.5 TC/42.5 SC	11.9	122 MBH AT 20F	9	45.3	60	208 / 3	1200	75 DBA ALL
ERV-3	KRL LIBRARY SPACES	OUTDOOR HEAT PUMP DOAS	REZNOR	ZQYRA	1,300	0.8	1,200	0.8	78% SENSIBLE MIN 50% LATENT	58.5 TC/42.5 SC	11.9	122 MBH AT 20F	9	45.3	60	208 / 3	1200	75 DBA ALL

## NOTES:

- 1. PROVIDE WITH MASON RSC SPRING CURB
- 2. PROVIDE OUTDOOR AIR VOLUME MEASURING STATION WITH REAL TIME DISPLAY AND ALARM
- 3. PROVIDE WITH REMOTE MOUNTED UNIT DISPLAY

PROJECT# 18100 **PERMIT SET** 

ARCHITECTURE INTERIORS PLANNING VIELAB

SIDER+BYERS

MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300 Seattle, Washington 98109 Phone: 206.285.2966

RENOVATION

CKSD, BUILDING

900

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

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ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

SCHEDULES

								INDOOR UNI	T												OUTDOOR UNIT					
				SUPPLY	1			COOLING			ELECTR	RICAL	SOUND							СОР	ELEC	CTRICAL				
D14	242145	MODEL	TOTAL		OSA	TOTAL		EAT	OAT	HEATING MBH	) (O) T ( D) (		LEVEL	OP. WT.	14 4 714	B4 8 1 4 E	MODE!		0555	AT	VOI T/DII				OP. WT.	NOTES
RK	MAKE	MODEL	CFM	W.C.	CFM	MBH	MBH	DB / WB	DB	OUTPUT @ 20 OAT	VOLT / PH	MCA	dBA	LBS.	MARK	MAKE	MODEL	IEER	SEER	47 F/17 F	VOLT/PH	MCA	MOCP	dbA	LBS.	NOTES
	MITCHIDICHII	CMD D4046NILL I4									200/220 / 4			200	CU-1	MITSUBISHI	PURY-EP288TSNU	23.1		3.26/3.46	208/230 / 3	49 / 45	80 / 70	69	1500	1, 2, 5
06	MITSUBISHI	CMB-P1016NU-J1	220	N//A		10.5		75/60 F	 0E		208/230 / 1	2	40	200												1.0
06 07	MITSUBISHI MITSUBISHI	PKFY-P12NHMU-E2 PKFY-P12NHMU-E2	320 320	N/A N/A		10.5	8.2	75/62.5 75/62.5	85 85	8.7	208/230 / 1	0.38	42	30												4, C
207 208	MITSUBISHI	PKFY-P12NHMU-E2	320	N/A		10.5	8.2	75/62.5	85	8.7	208/230 / 1	0.38	42	30												4, 0
210	MITSUBISHI	PEFY-P24NKMU-E3	750	0.5		21.0	18.1	75/62.5	85	8.7 17.3	208/230 / 1	2.73	34	70												3, B, C
211	MITSUBISHI	PEFY-P48NMAU-E3	1200	0.5		42.0	33.3	75/62.5	85	34.7	208/230 / 1	3.41	40	100												3, B, C
212	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70												3, B, C
215	MITSUBISHI	PKFY-P08NBMU-E	200	N/A		7.0	6.4	75/62.5	85	5.8	208/230 / 1	0.19	35	22												4 C
216	MITSUBISHI	PKFY-P12NHMU-E2	320	N/A		10.5	8.2	75/62.5	85		208/230 / 1	0.38	42	30												4, C
222	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		26.3	20.1	75/62.5	85	8.7 21.8	208/230 / 1	2.73	43	70												3, B, C
224	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70												3, B, C
· 226	MITSUBISHI	PEFY-P18NHMU-E2	500	N/A		15.8	12.9	75/62.5	85	12.8	208/230 / 1	1.56	32	65												3, B, C
 227	MITSUBISHI	PKFY-P06NBMU-E2	200	N/A		5.3	4.0	75/62.5	85	4.3	208/230 / 1	0.19	35	22												4, C
228	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70												3, B, C
230	MITSUBISHI	PKFY-P18NHMU-E2	320	N/A		15.8	11.0	75/62.5	85	12.8	208/230 / 1	0.38	36	35												4, C
 242	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70												3, B, C
															CU-2	MITSUBISHI	PURY-EP264TSNU	23.5		3.36/3.53	208/230 / 3	49 / 45	80 / 70	66.5	1500	1, 2, 5
2	MITSUBISHI	CMB-P1016NU-J1									208/230 / 1	2		200		<u> </u>										1
102	MITSUBISHI	PEFY-P54NMAU-E2	1040	0.5		50.4	37.4	75/62.5	85	41.3	208/230 / 1	3.31	36	100												3, B, C
107	MITSUBISHI	PEFY-P72NMHSU-E	1760	0.5		67.3	54.9	75/62.5	85	55	208/230 / 1	3.67	36	225												3, B, C
201	MITSUBISHI	PEFY-P54NMHSU-E3	1480	0.5		50.4	37.4	75/62.5	85	41	208/230 / 1	3.31	45	100												3, B, C
202	MITSUBISHI	PEFY-P54NMHSU-E3	1250	0.5		50.4	37.4	75/62.5	85	41	208/230 / 1	3.31	41	100												3, B, C
-204	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		28.0	37.4	75/62.5	85	41	208/230 / 1	2.73	34	70												3, B, C
-240	MITSUBISHI	PKFY-P18NHMU-E2	320	N/A		16.8	11.5	75/62.5	85	13.8	208/230 / 1	0.38	36	35												4, C
KITS	AP REGIO	NAL LIBRAF	RY VE	RF SI	PLIT	SYST	TEM H	IEAT F	PUMP	SCHEDULI	Ē															
															CU-3	MITSUBISHI	PURY-EP240TSNU	23.9		3.46/3.6	208/230 / 3	41 / 41	60 / 60	65	1500	1, 2, 5
3	MITSUBISHI	CMB-P1016NU-J1									208/230 / 1	2		200		l l										1
113	MITSUBISHI	PEFY-P72NMHSU-E	2150	0.5		59.3	51.9	75/62.5	85	47.2	208/230 / 1	3.67	39	225												3, B, C
114	MITSUBISHI	PEFY-P54NMHSU-E3		0.5		44.5	35.1	75/62.5	85	35.4	208/230 / 1	3.31	41	100												3, B, C
16	MITSUBISHI	PEFY-P72NMHSU-E	2150	0.5		59.3	51.9	75/62.5	85	47.2	208/230 / 1	3.67	39	225												3, B, C
19	MITSUBISHI	PEFY-P30NKMU-E2	750	0.5		24.7	19.5	75/62.5	85	20.1	208/230 / 1	2.73	43	70												3, B, C
23	MITSUBISHI	PKFY-P08NBMU-E	200	N/A		6.6	4.9	75/62.5	85	5.3	208/230 / 1	0.19	35	22												4, C
134	MITSUBISHI	PEFY-P36NKMU-E2	1000	0.5		29.7	25.5	75/62.5	85	23.6	208/230 / 1	3.32	37	100												3, B, C
135	MITSUBISHI	PEFY-P18NHMU-E2	500	N/A		14.8	12.5	75/62.5	85	11.8	208/230 / 1	0.38	32	70												3, B, C

## NOTES:

- 1. MANUFACTURER'S DIGITAL CONTROL SYSTEM WITH AG-200 CENTRAL CONTROLLER.
- 2. CONTROL POWER SUPPLY UNIT.
- 3. 1" OR 2" PLEATED MERV 8 FILTER.
- 4. FACTORY PROVIDED WASHABLE FILTER.
- 5. COIL GUARD

- A. SMART ME REMOTE CONTROLLER.
- B. MIXING BOX & ANGLED FILTER RACK
- C. PROVIDE WITH CONDENSATE PUMP
- D. SPACE CO2 DEMAND VENTILATION
- E. SIMPLE MA REMOTE CONTROLLER.



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Seattle, Washington 98109
Phone: 206.285.2966



# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT # 18100

PERMIT SET

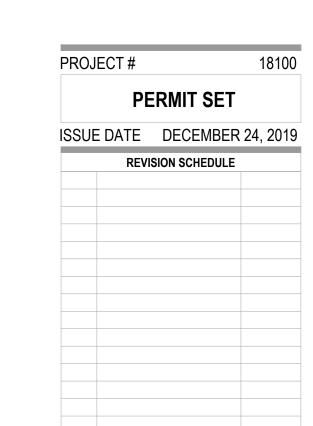
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

SCHEDULES

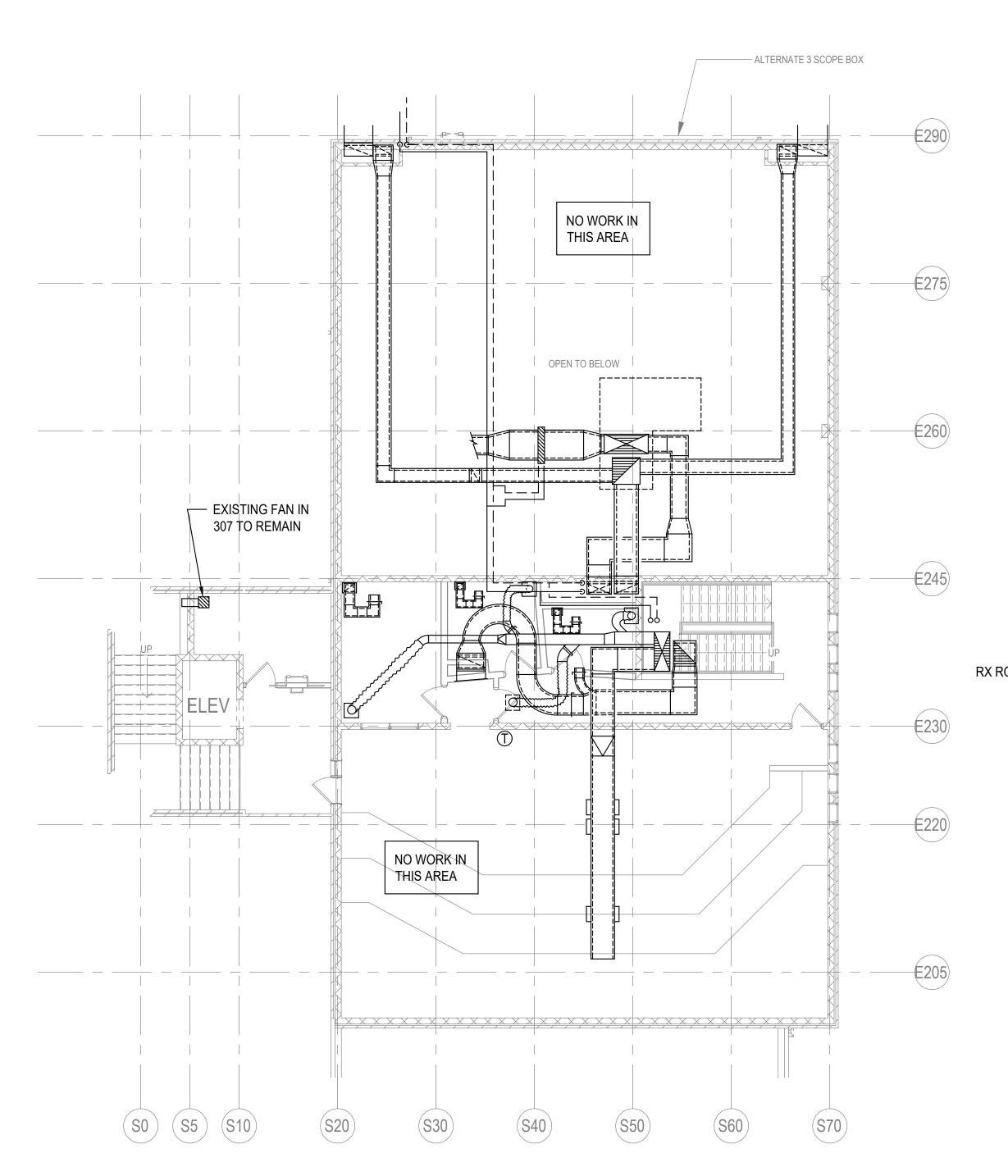


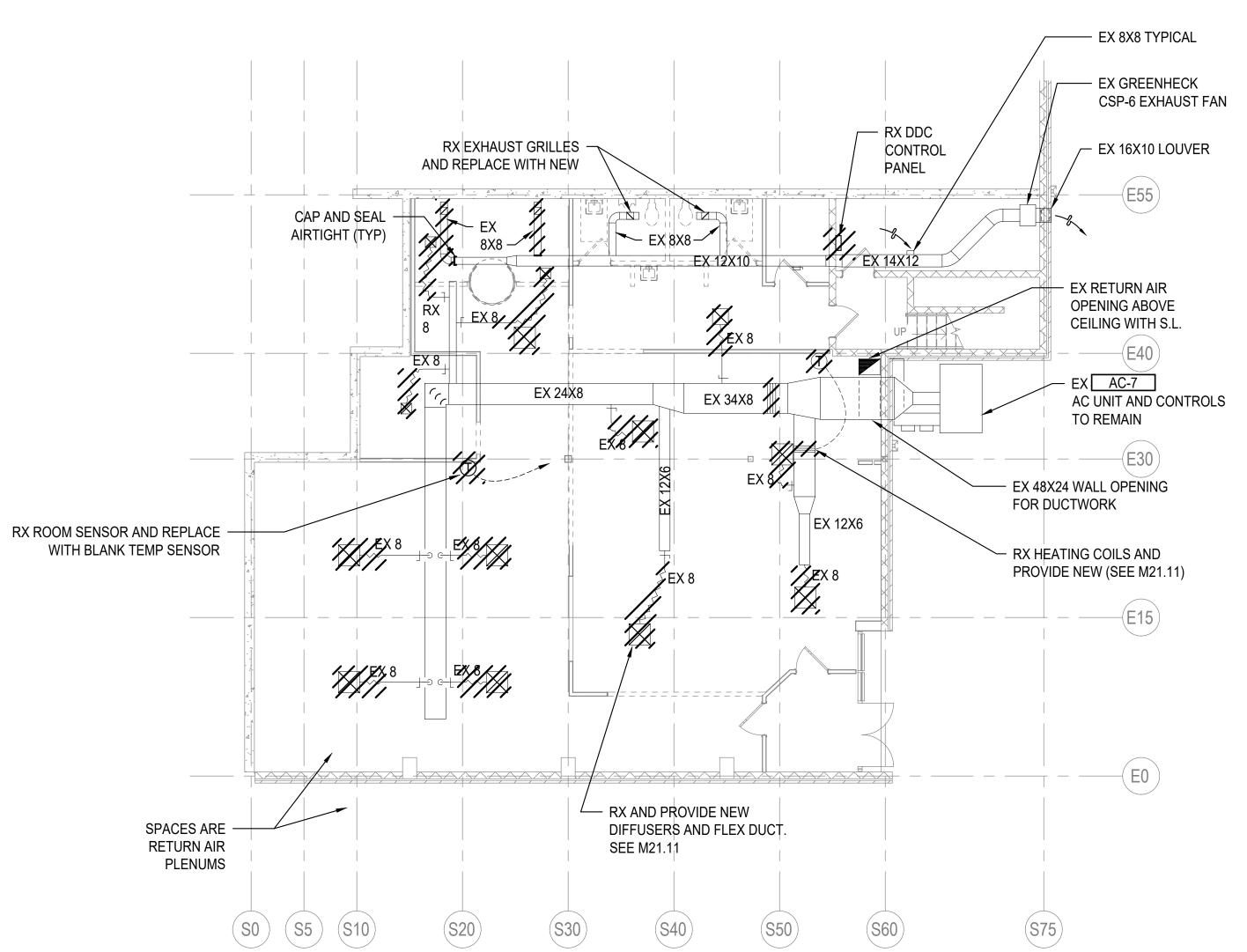
# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SII VFRDALF WA 98383



BASEMENT AND LEVEL 3 DEMOLITION FLOOR PLANS

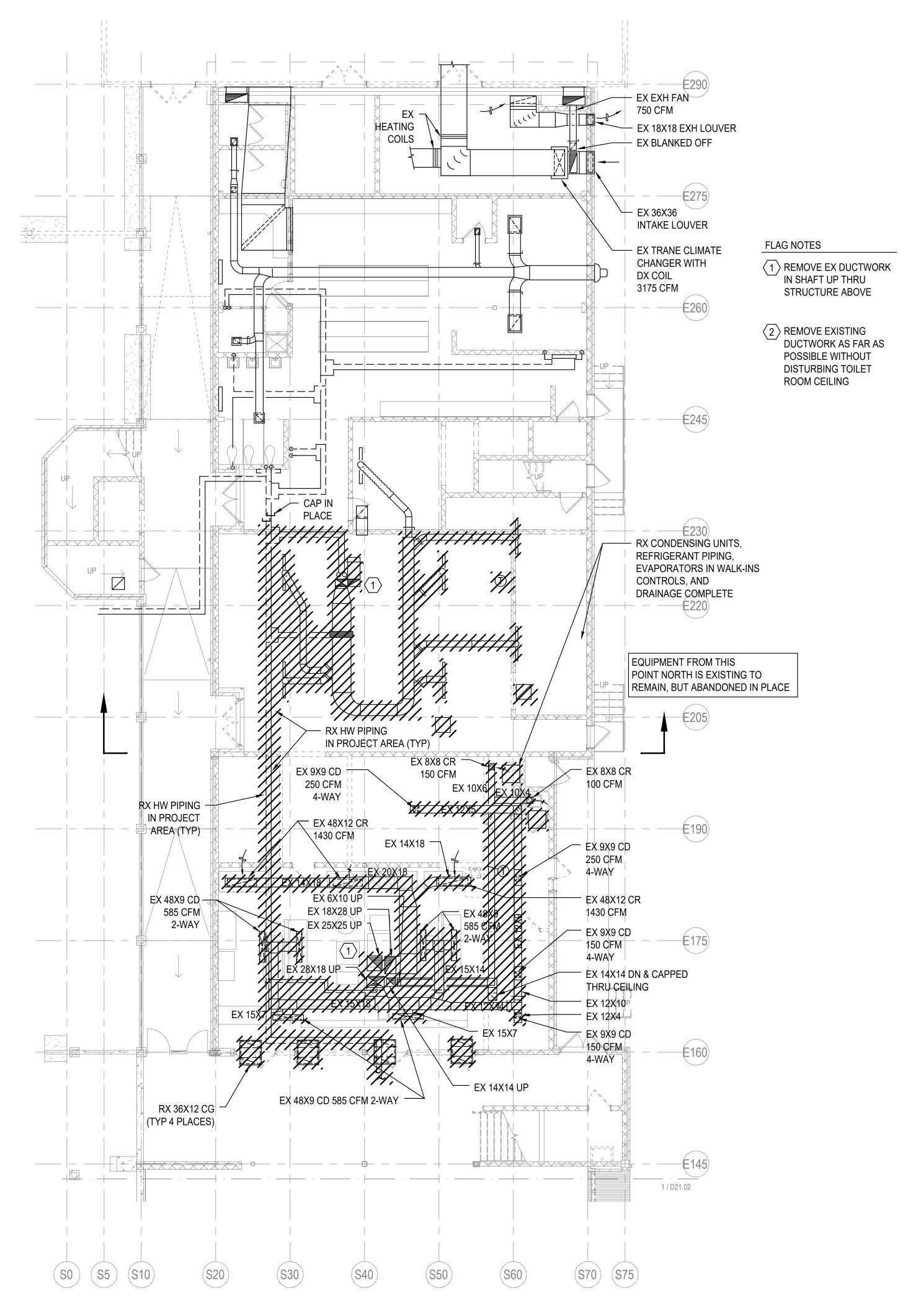
SHEET#



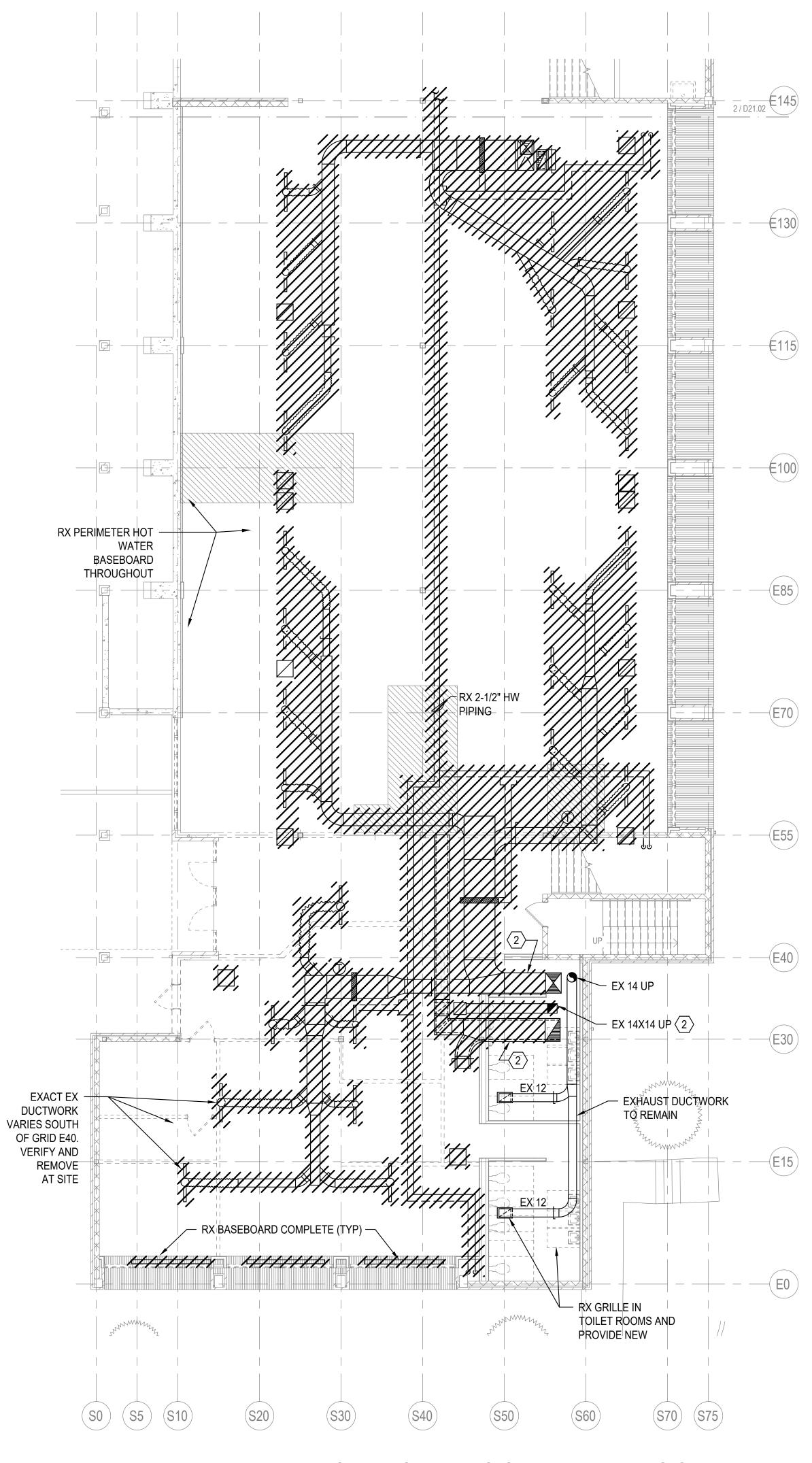


BASEMENT DEMOLITION FLOOR PLAN SCALE: 1/8'=1'-0'

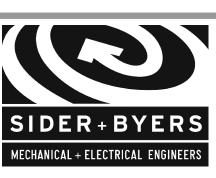
LEVEL 3 DEMOLITION FLOOR PLAN
SCALE: 1/8'=1'-0'



LEVEL 1 DEMOLITION FLOOR PLAN - NORTH SCALE: 1/8'=1'-0'



LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH SCALE: 1/8'=1'-0'



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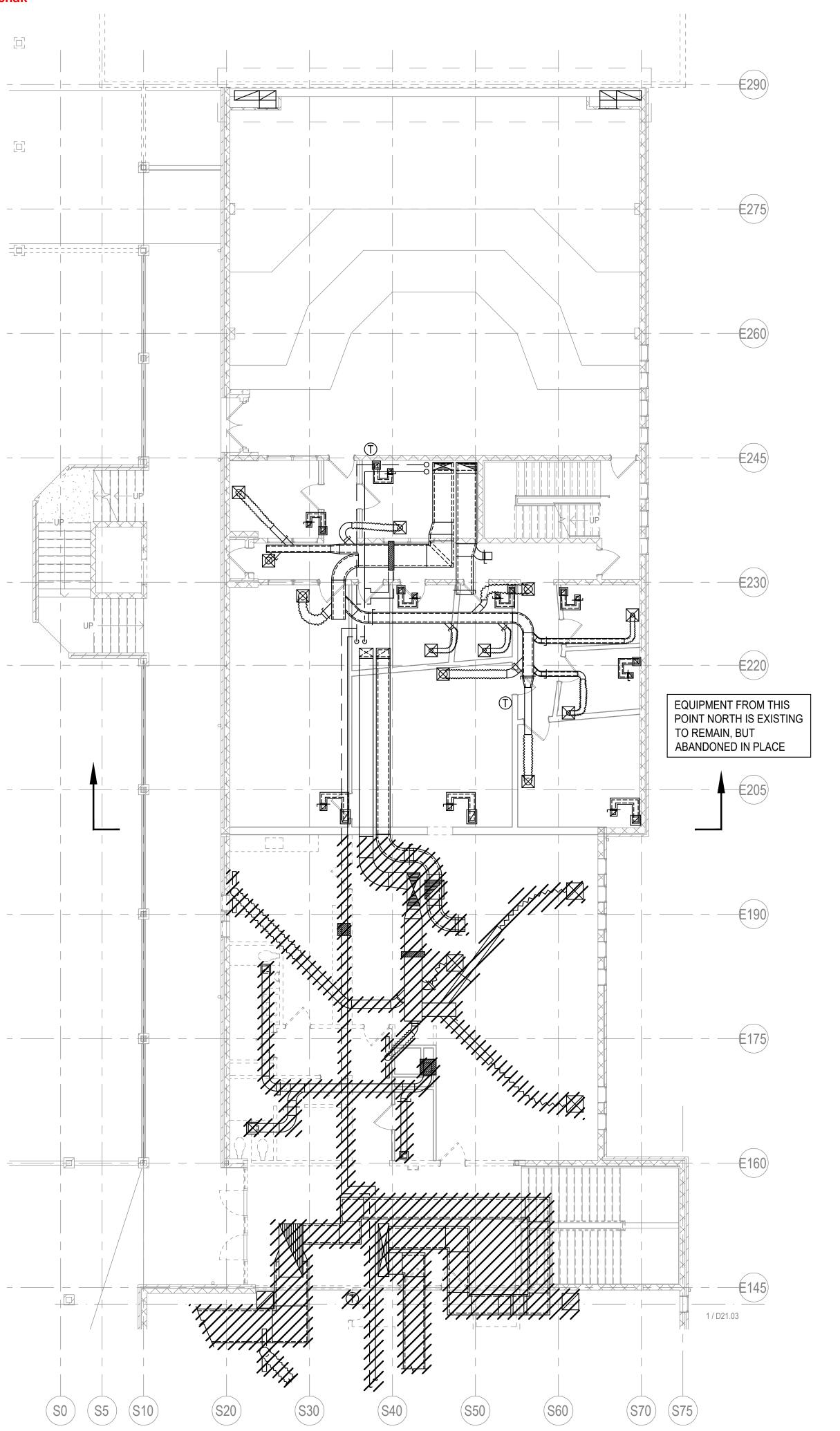
CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PERMIT SET

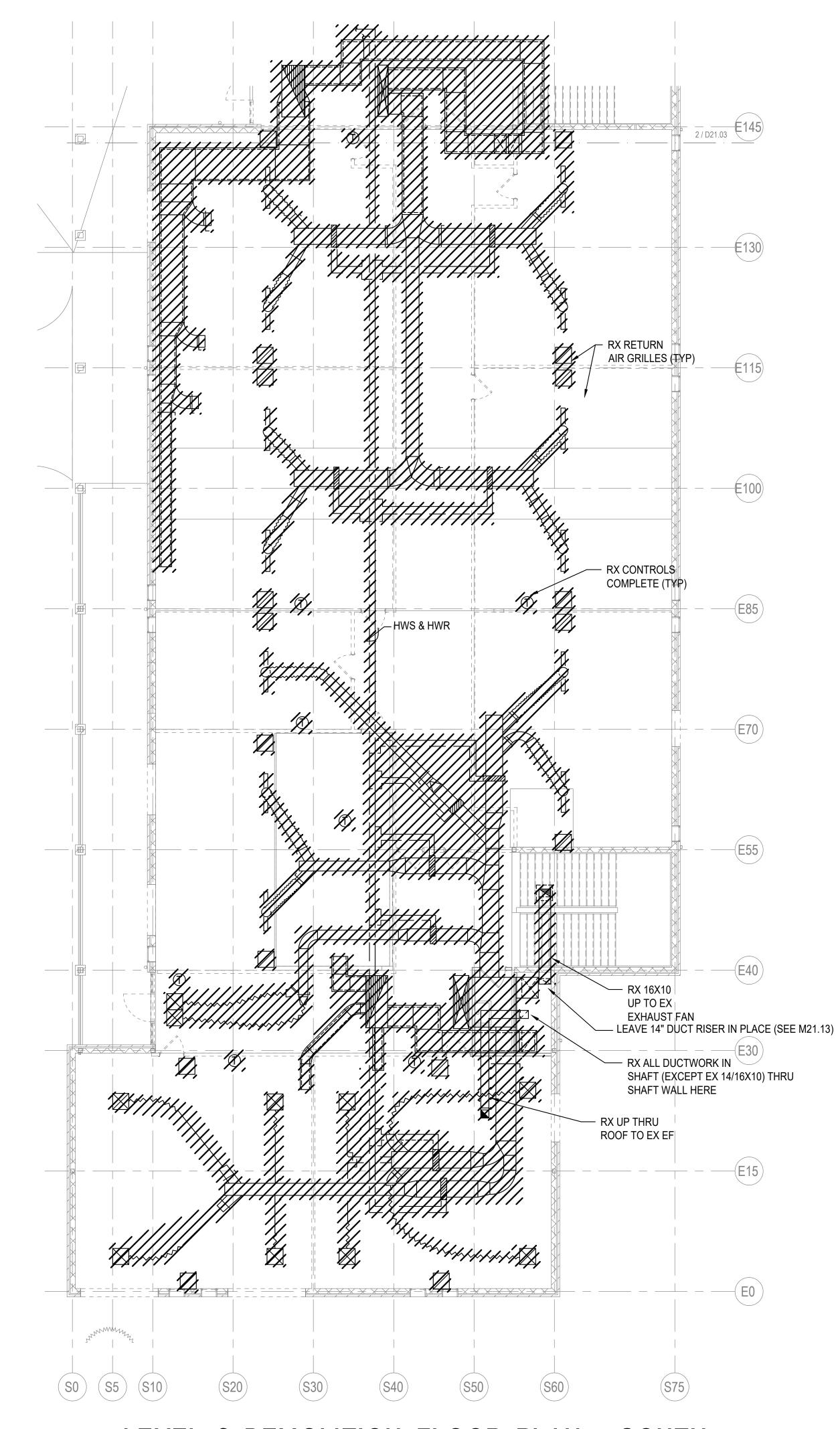
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

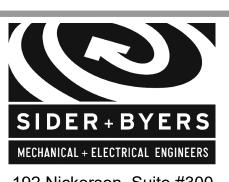
LEVEL 1 DEMOLITION
FLOOR PLAN



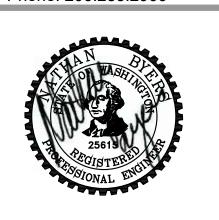
LEVEL 2 DEMOLITION FLOOR PLAN - NORTH SCALE: 1/8'=1'-0'



LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH SCALE: 1/8"=1'-0"



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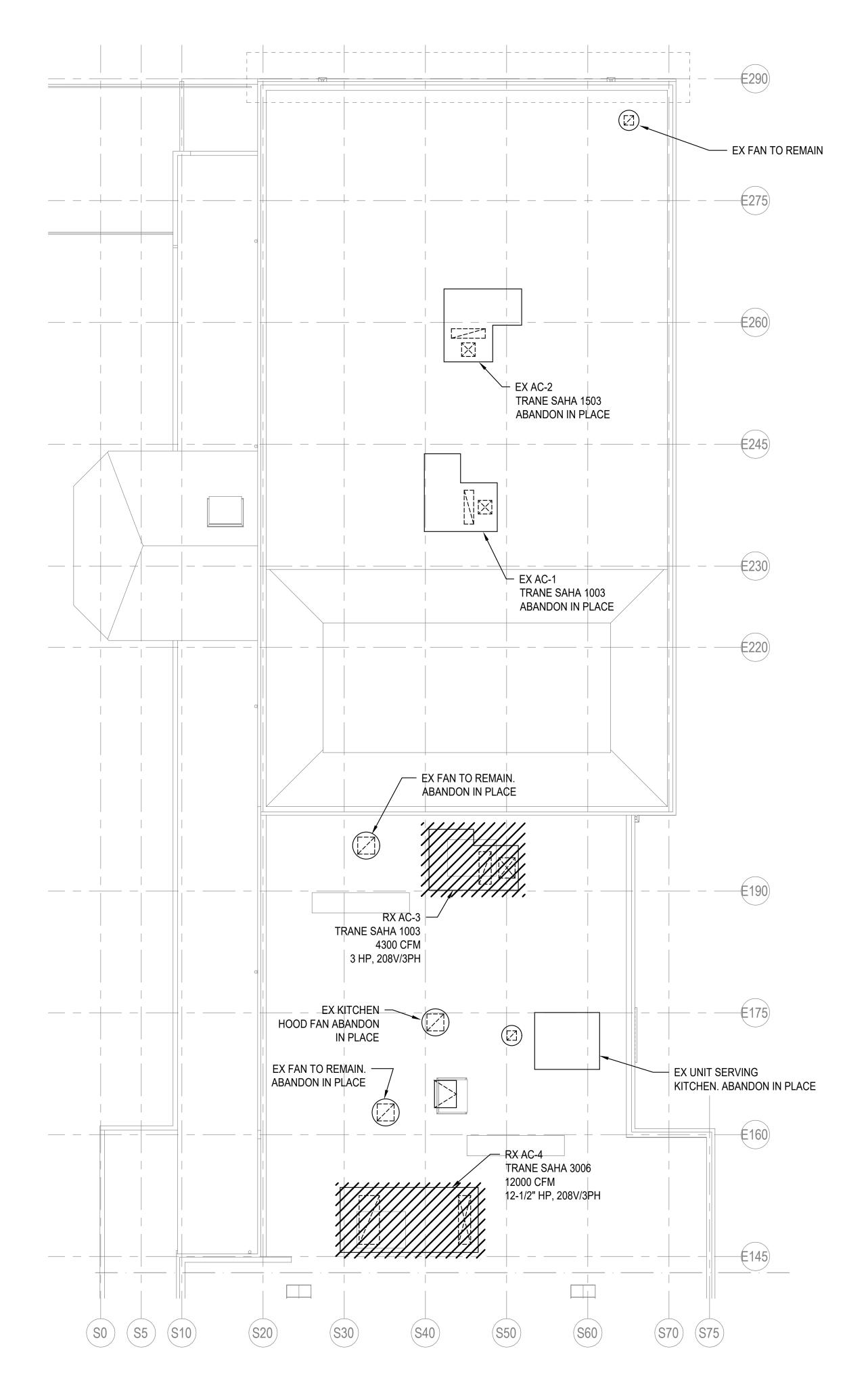
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD

PERMIT SET

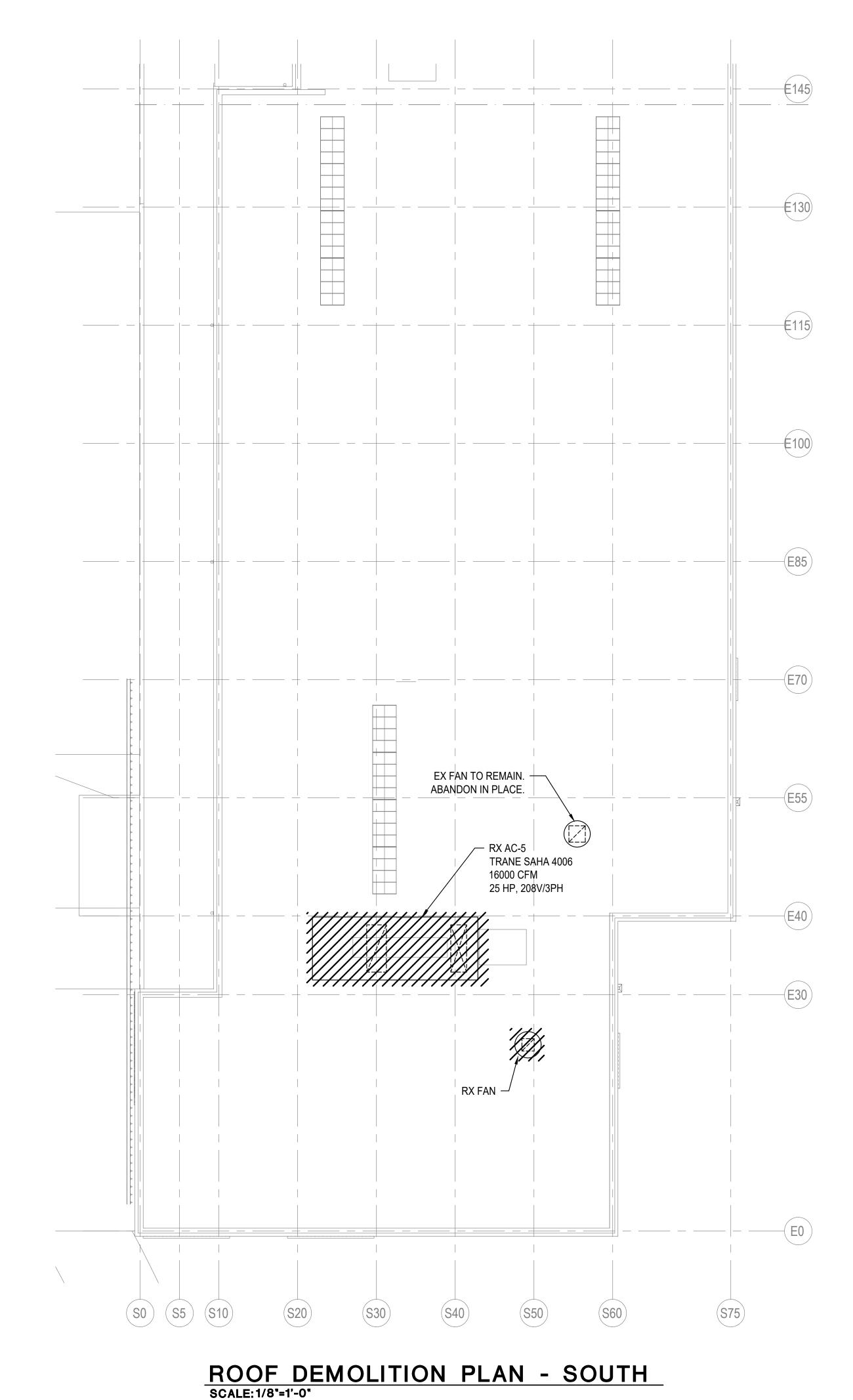
ISSUE DATE DECEMBER 24, 2019

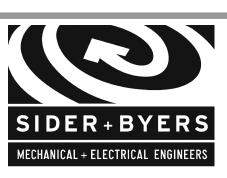
REVISION SCHEDULE

LEVEL 2 DEMOLITION
FLOOR PLAN



**ROOF DEMOLITION PLAN - NORTH** SCALE: 1/8"=1'-0"





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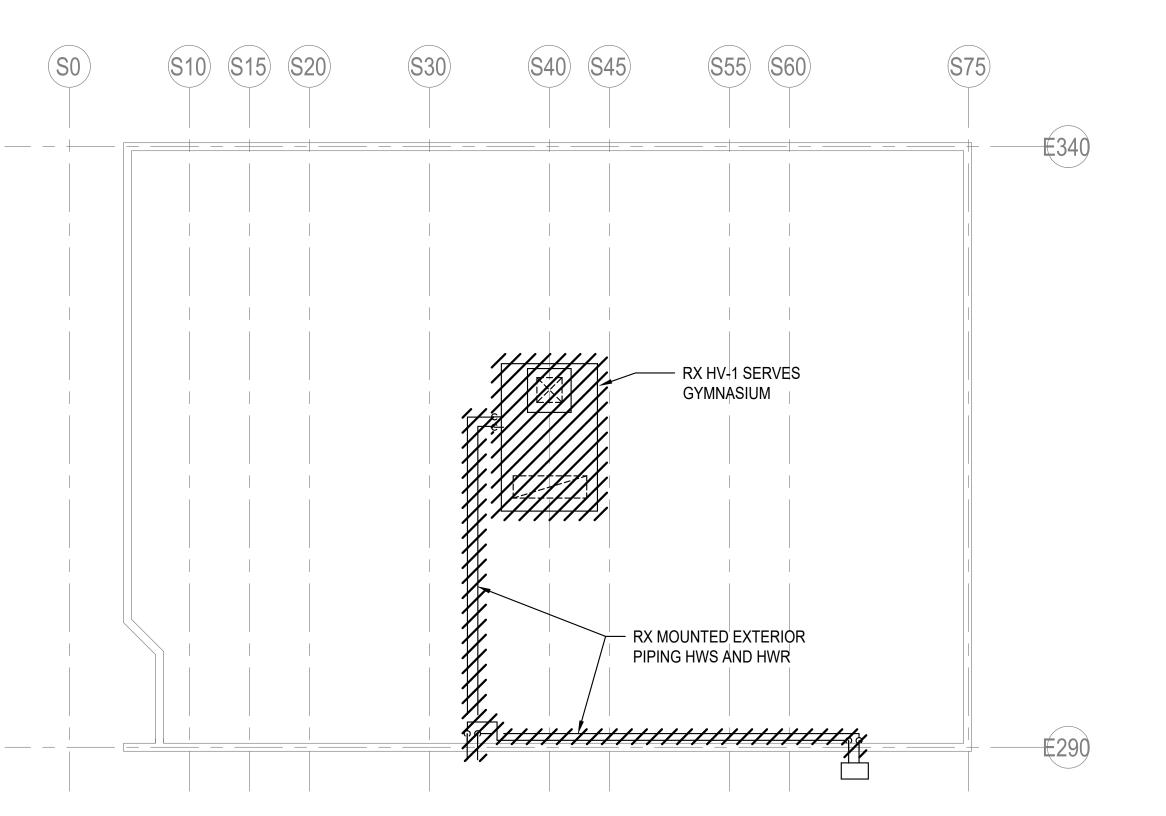


# CKSD/ 900 BUILDING F

PROJECT# 18100 PERMIT SET ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE **ROOF DEMOLITION PLAN** 

BASE BID - UPPER GYM DEMOLITION FLOOR PLAN SCALE: 1/8'=1'-0'

BASE BID - LOWER GYM DEMOLITION FLOOR PLAN SCALE: 1/8"=1'-0"



BASE BID - ROOF DEMOLITION PLAN
SCALE: 1/8'=1'-0'



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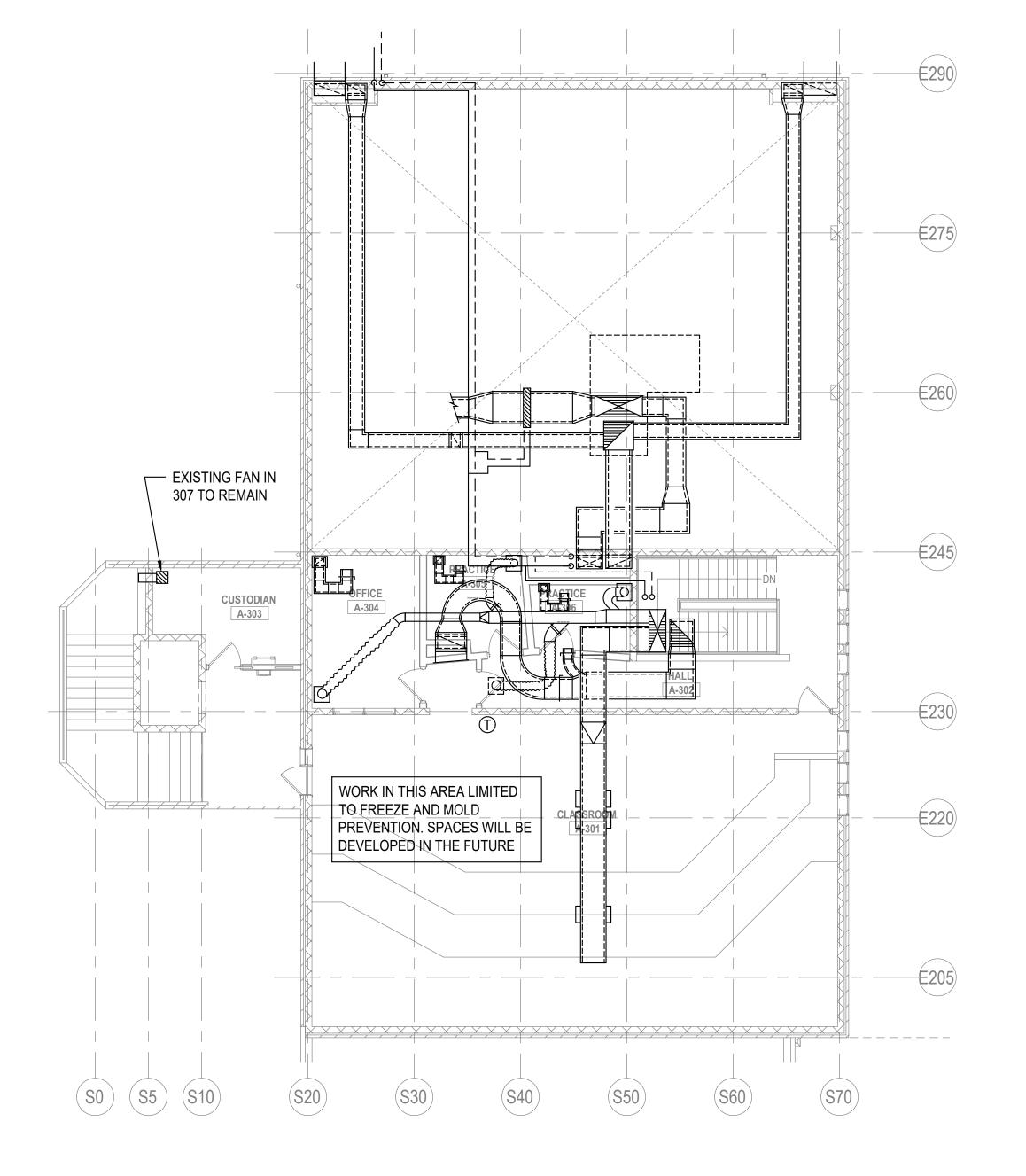


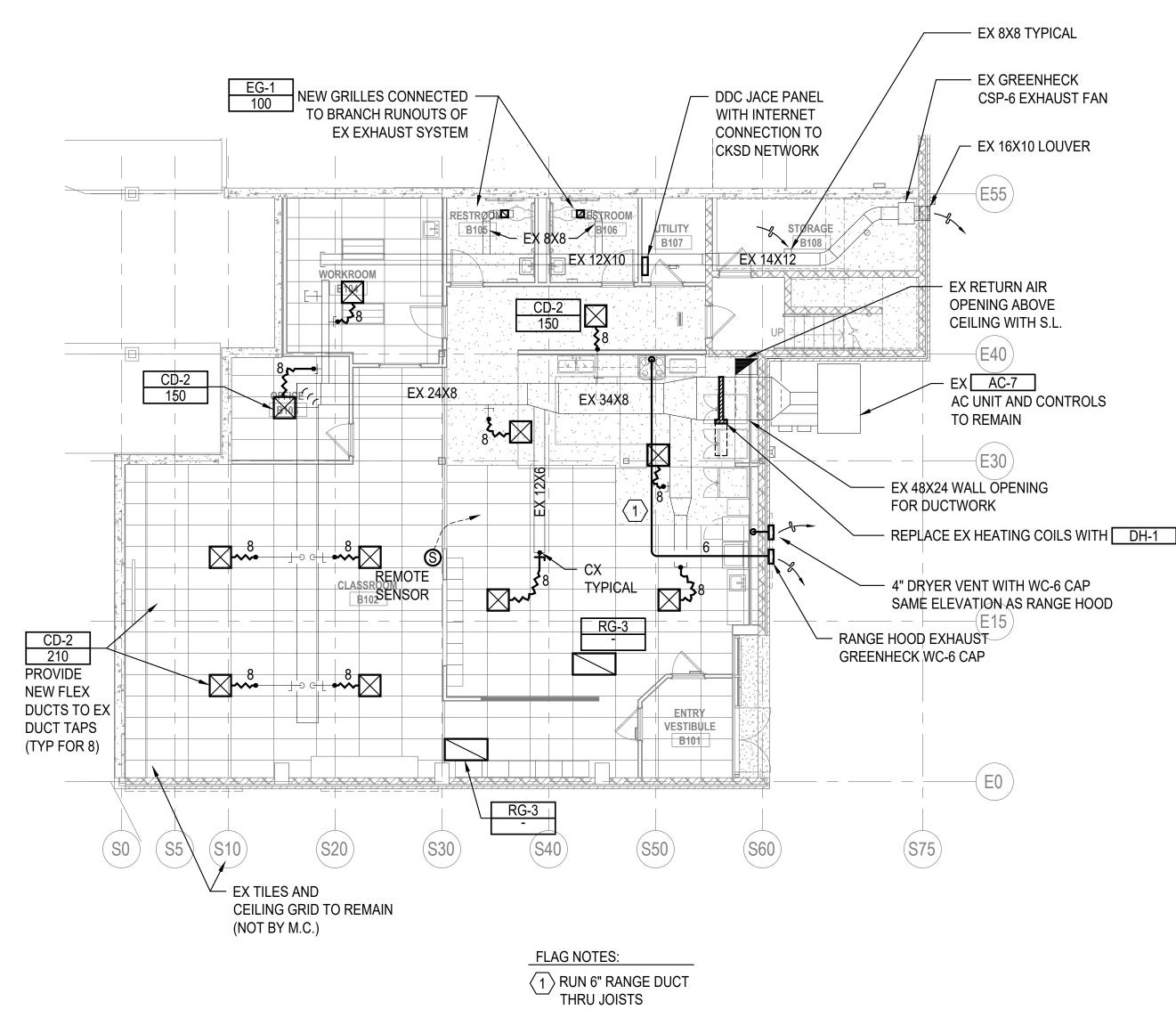
# 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#		1810
PE	RMIT SET	
ISSUE DATE	DECEMBER	R 24, 201
REVI	SION SCHEDULE	

GYM FLOOR PLANS AND ROOF PLAN

SHEET#





BASEMENT FLOOR PLAN
SCALE: 1/8'=1'-0'

LEVEL 3 FLOOR PLAN
SCALE: 1/8'=1'-0'

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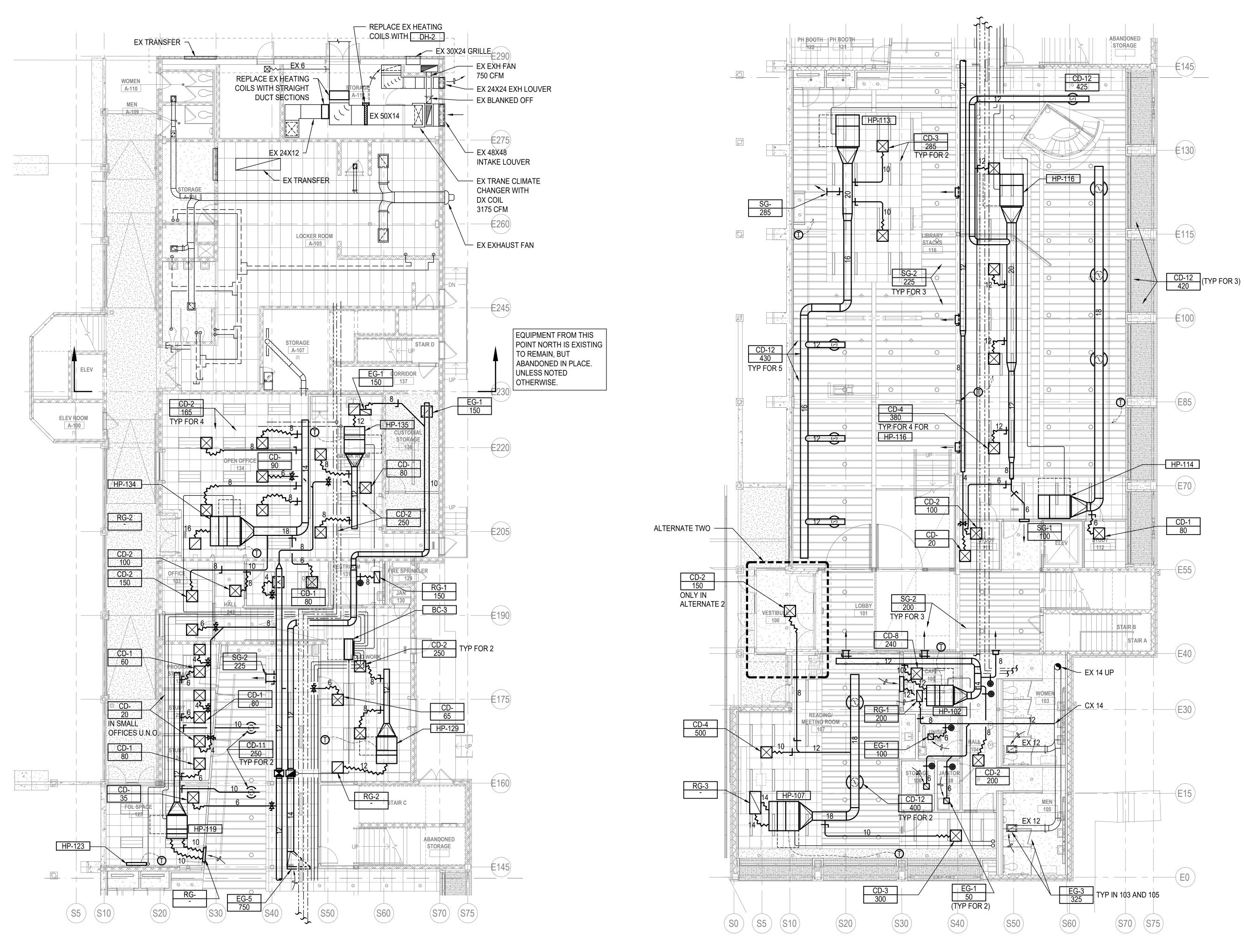


## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#		1810
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ISSUE DATE	DECEMBER	24, 201
REVI	SION SCHEDULE	

BASEMENT AND LEVEL 3 FLOOR PLANS

SHEET#



LEVEL 1 FLOOR PLAN - NORTH
SCALE: 1/8'=1'-0'

LEVEL 1 FLOOR PLAN - SOUTH
SCALE: 1/8'=1'-0'

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PERMIT SET

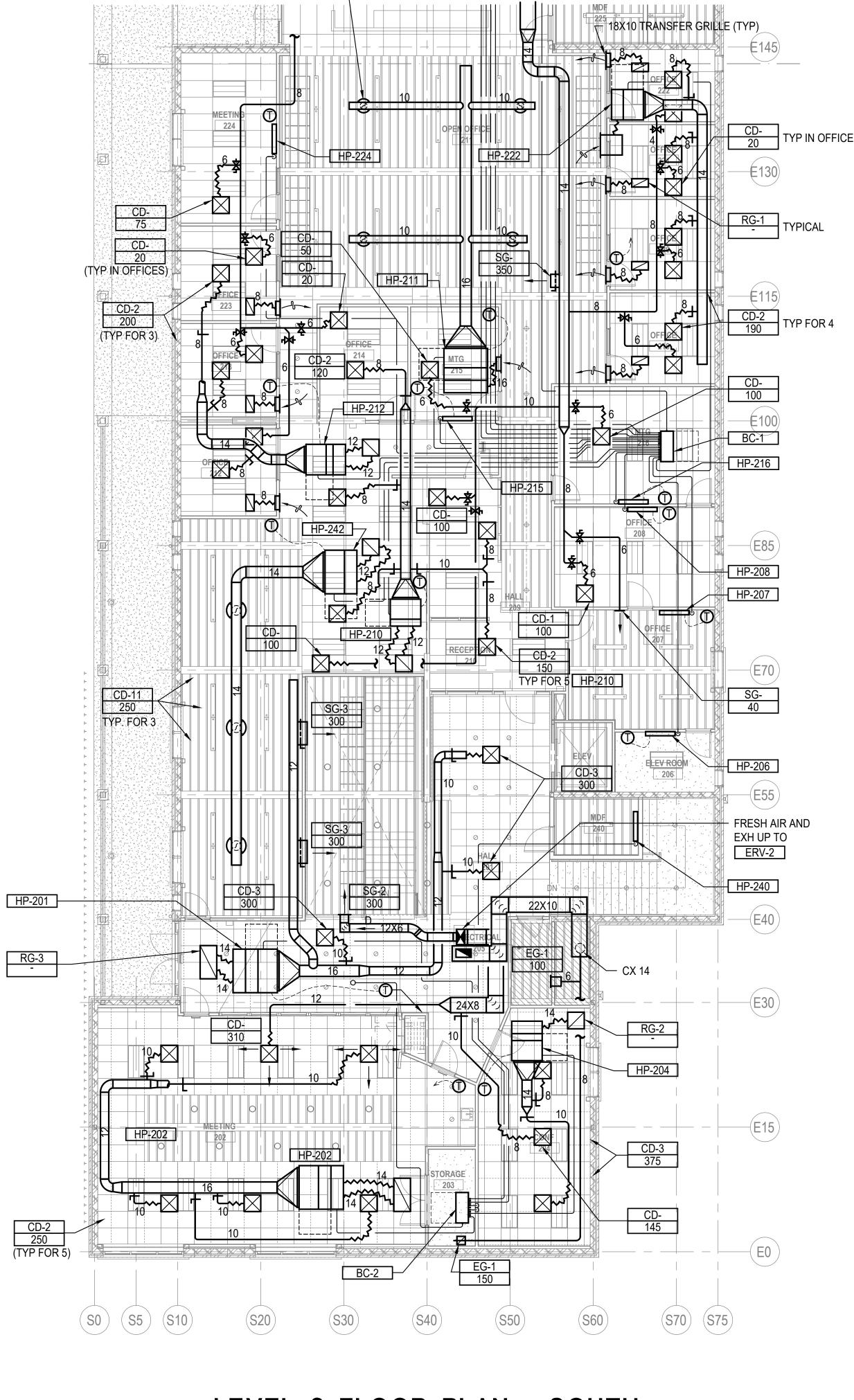
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

LEVEL 1 FLOOR PLAN

SHEET#





LEVEL 2 FLOOR PLAN - SOUTH
SCALE: 1/8'=1'-0'

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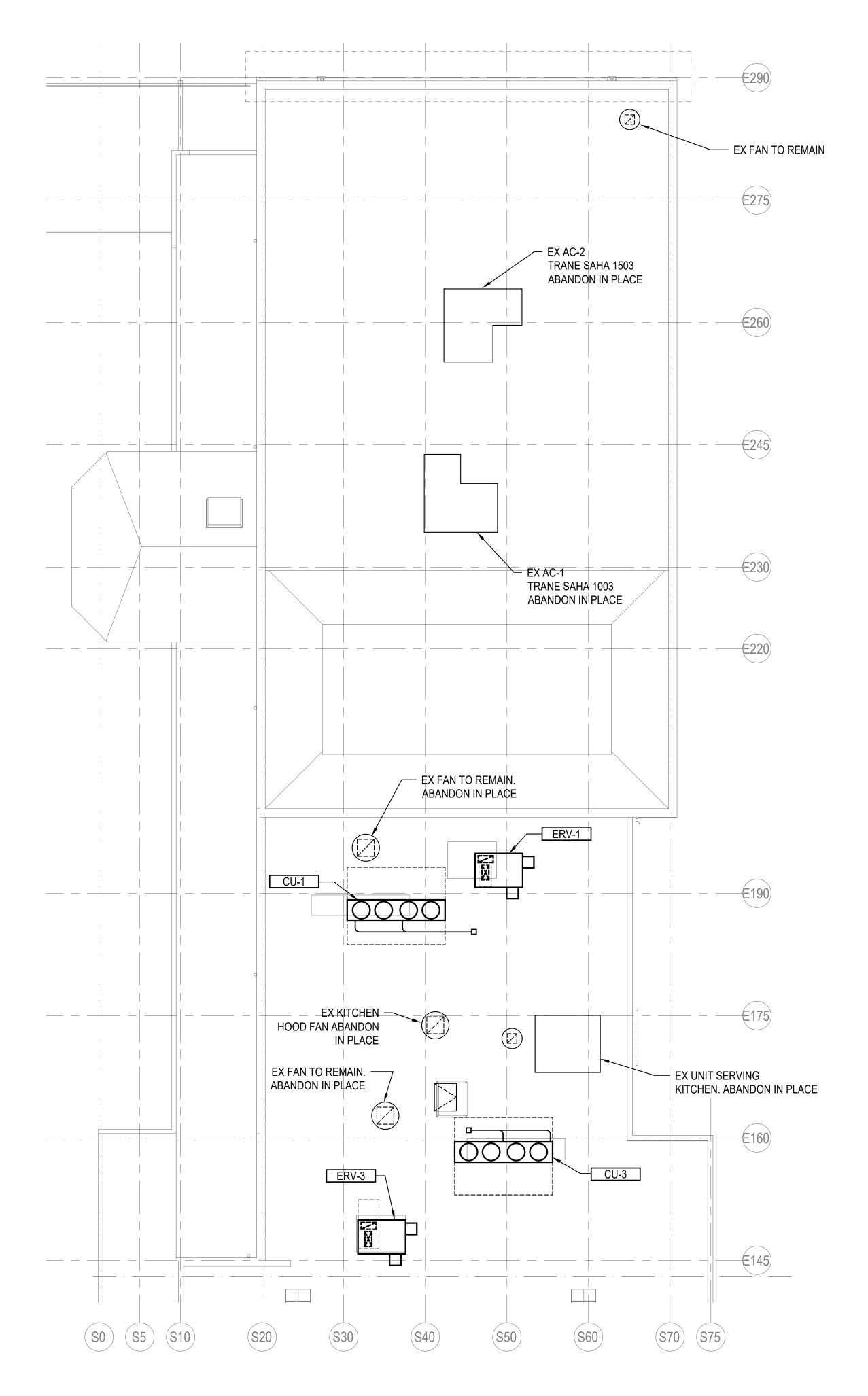
PERMIT SET

ISSUE DATE DECEMBER 24, 2019

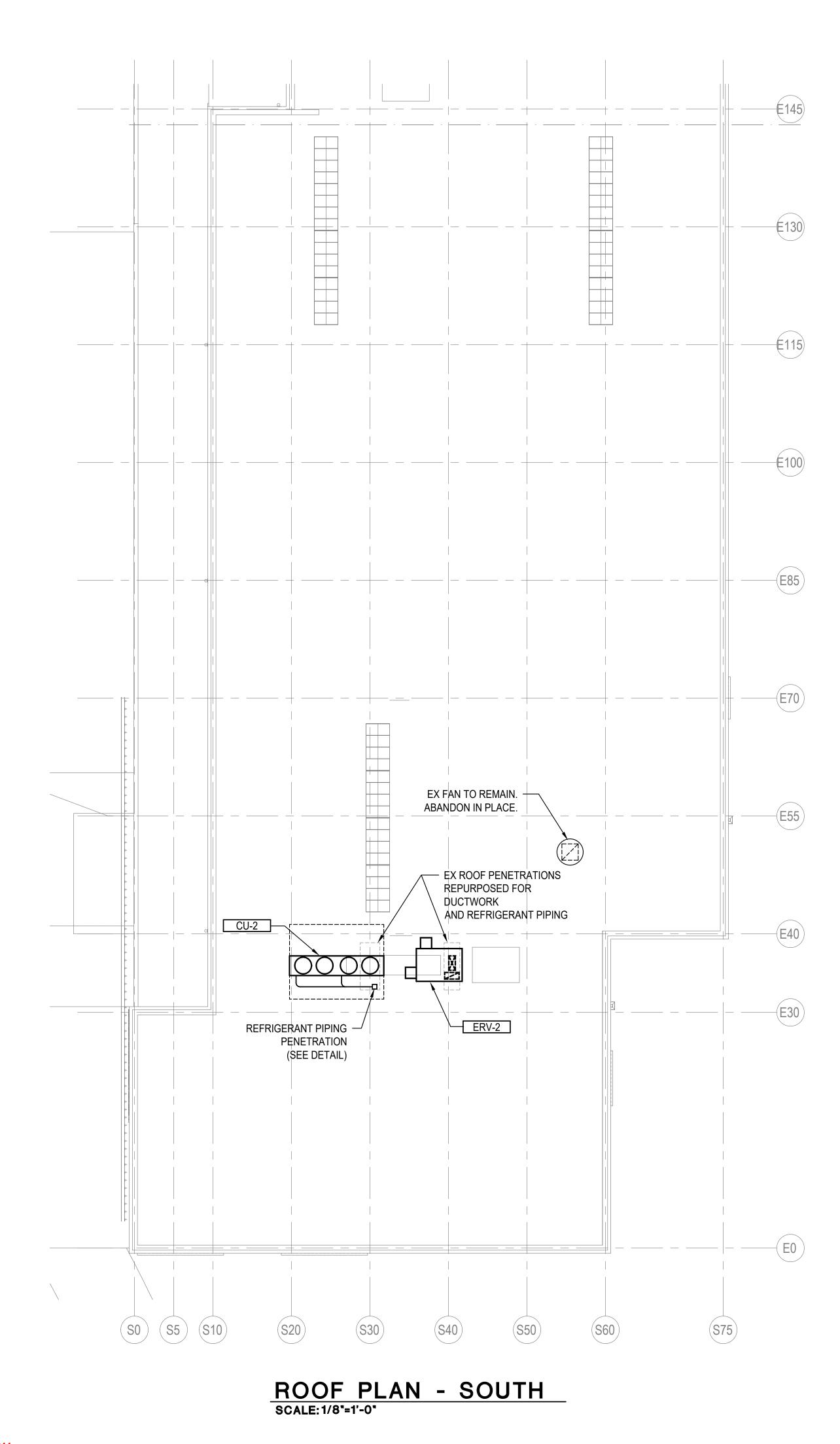
REVISION SCHEDULE

LEVEL 2 FLOOR PLAN

SHEET#
M21.13



ROOF PLAN - NORTH
SCALE: 1/8'=1'-0'



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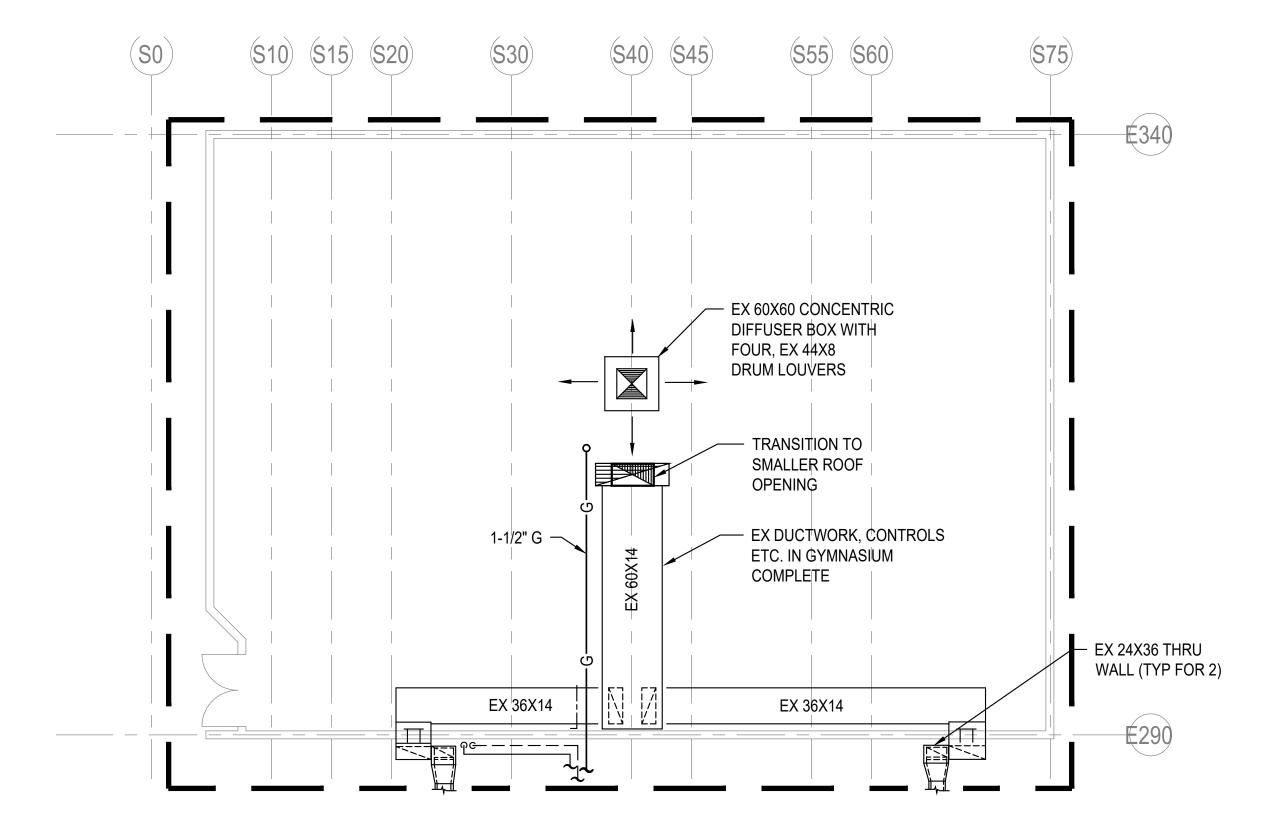
CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD

PERMIT SET

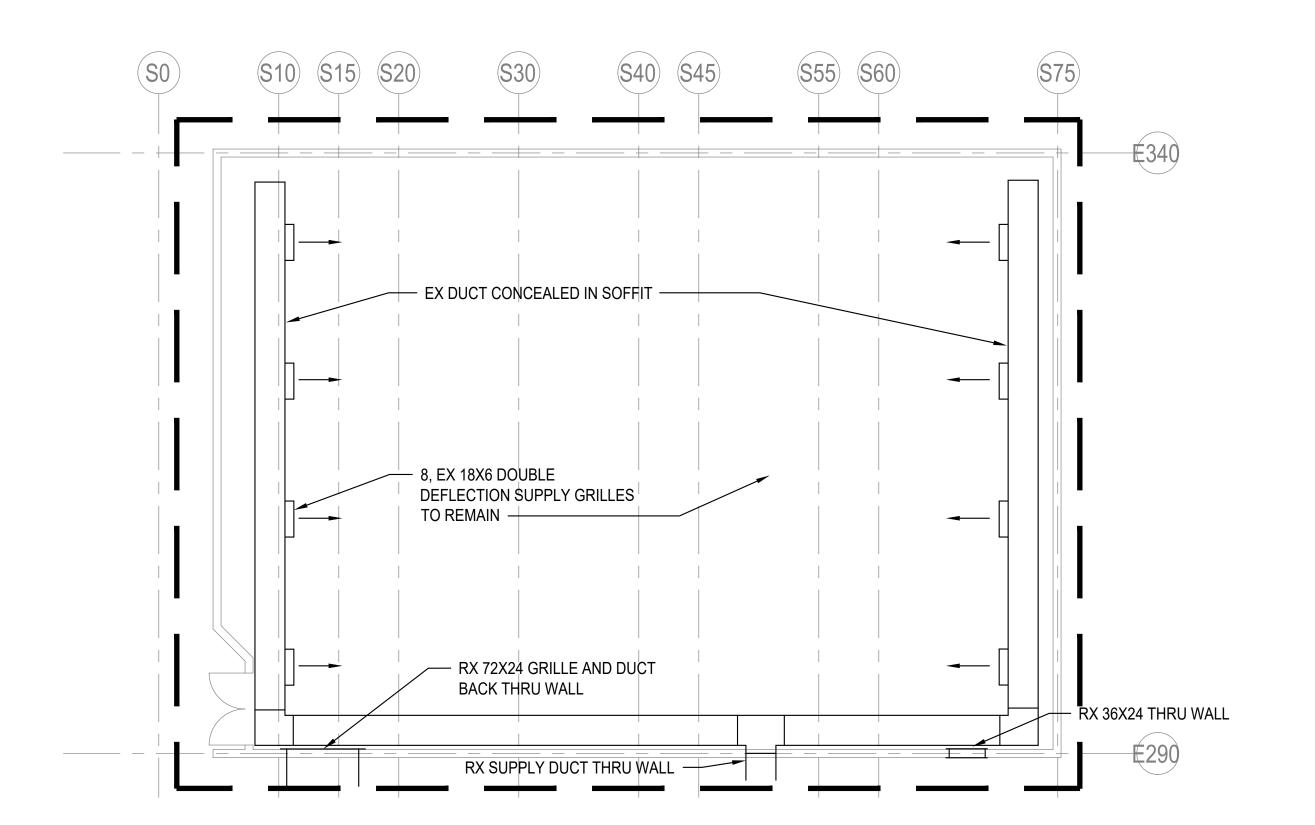
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

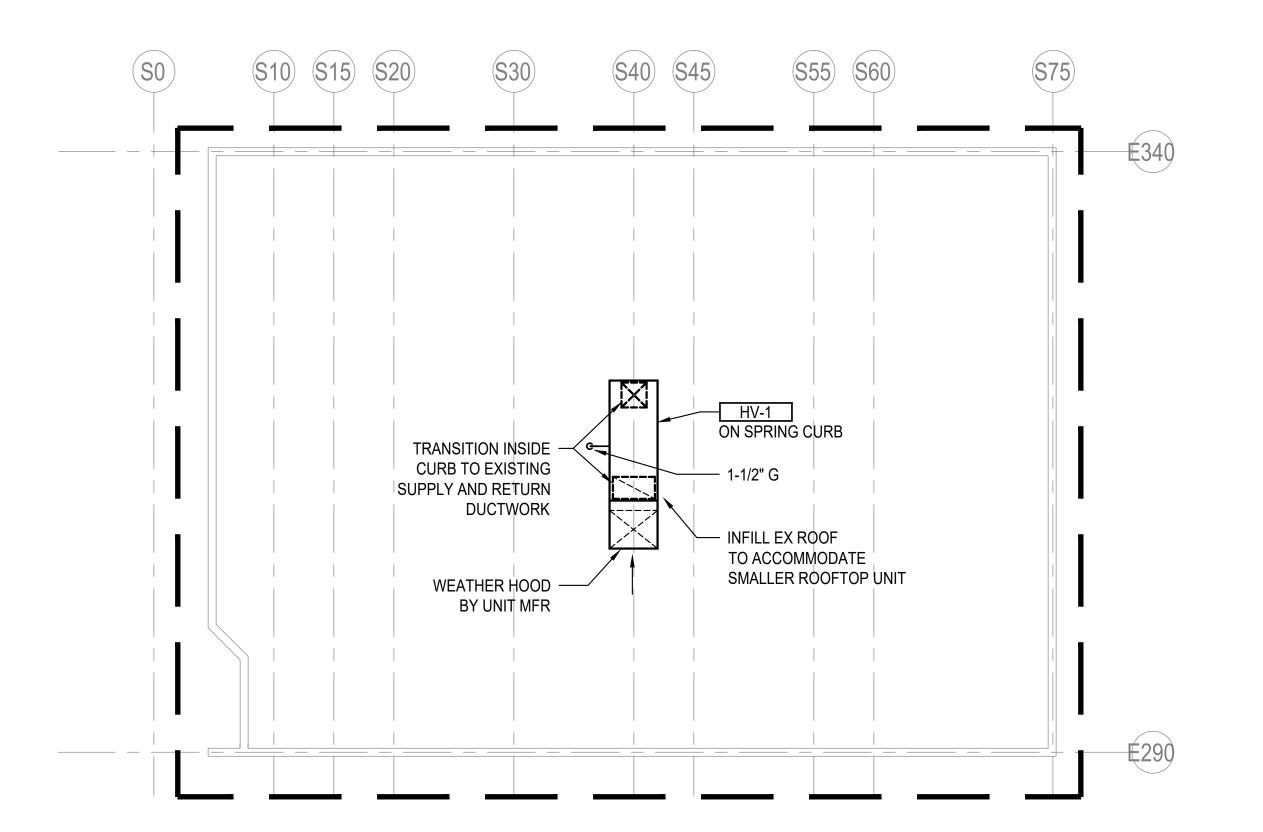
ROOF PLAN



ALTERNATE 1 - UPPER GYM FLOOR PLAN SCALE: 1/8'=1'-0'



ALTERNATE 1 - LOWER GYM FLOOR PLAN
SCALE: 1/8\*=1'-0\*



ALTERNATE 1 - ROOF PLAN
SCALE: 1/8'=1'-0'



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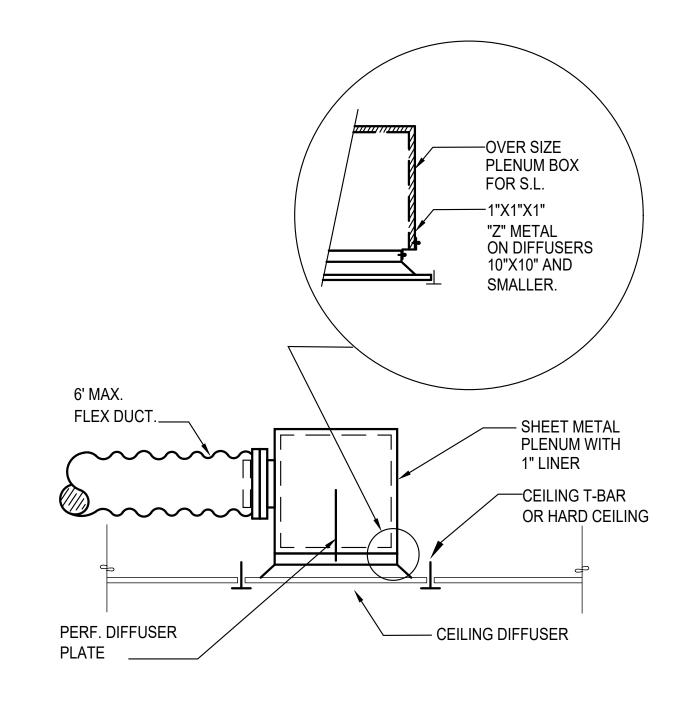


# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#		1810
PE	RMIT SET	
ISSUE DATE	DECEMBER	24, 201
REVI	SION SCHEDULE	

ALTERNATE 1
GYM FLOOR PLANS
AND ROOF PLAN

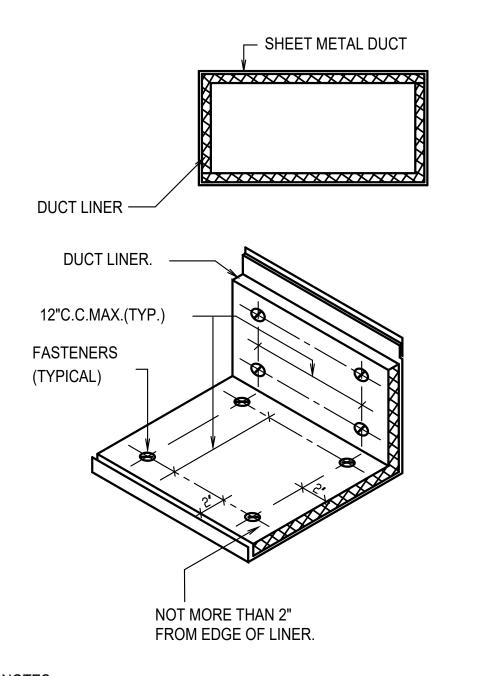
SHEET#



1. SEE ARCHITECTURAL PLANS FOR CEILING TYPES.

2. SUPPLY SHOWN, DETAIL WITHOUT PERF PLATE IS TYPICAL FOR CEILING RETURN OR EXHAUST GRILLE INSTALLATION.





UNIT OVERHANG LAG

∠ ROOFTOP UNIT

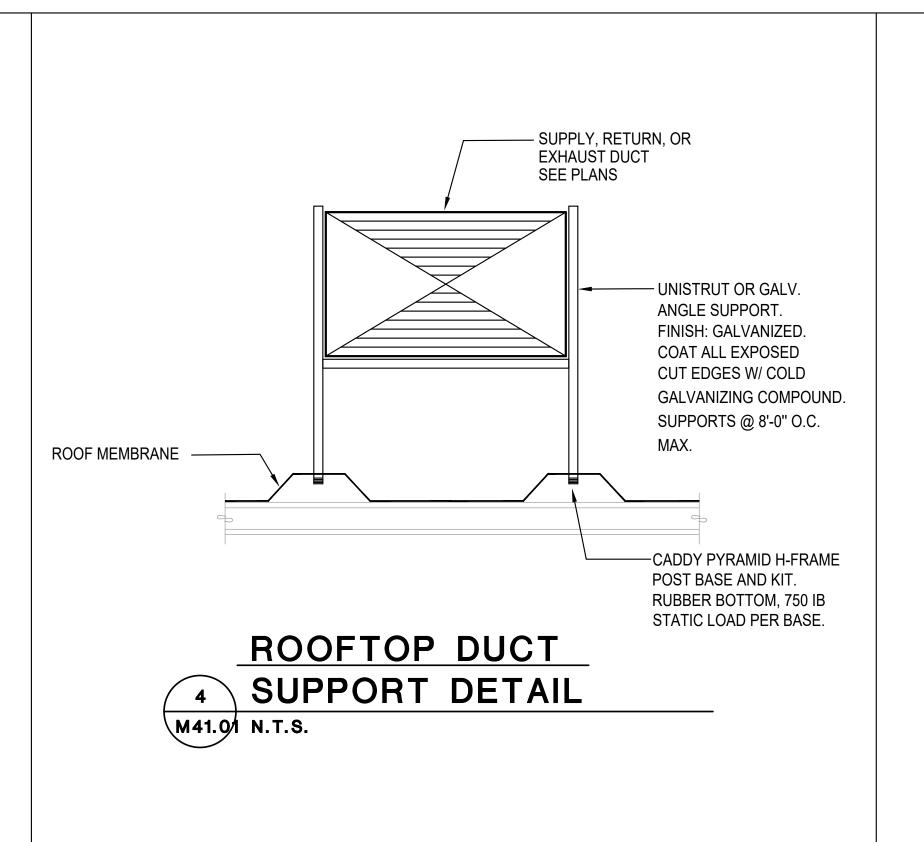
OVERHANG

LAG BOLT

CURB SECTION -

1. PROVIDE S/M NOSING AT EXPOSED EDGES OF INSULATION. 2. ALL TRANSVERSE AND LONGITUDINAL ENDS OF LINER TO BE COATED WITH ADHESIVE.

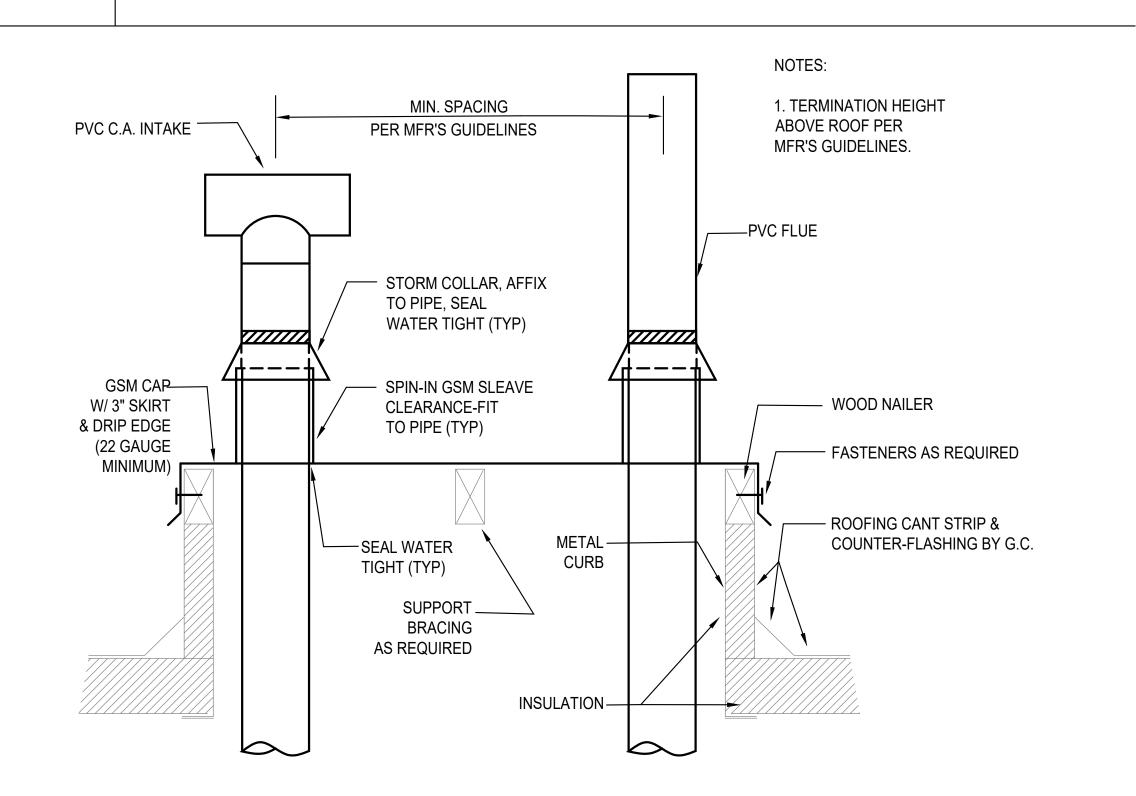
DUCT LINER DETAIL M41.0/1 N.T.S.



ROOFTOP UNIT

M41.0/1 Scale: N.T.S.

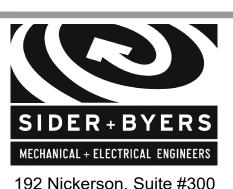
SPRING CURB DETAIL



5 FLUE & C.A. ROOF TERMINATION DETAIL M41.01 N.T.S.

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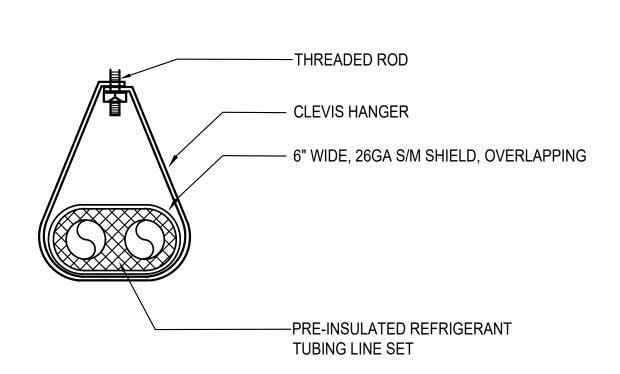


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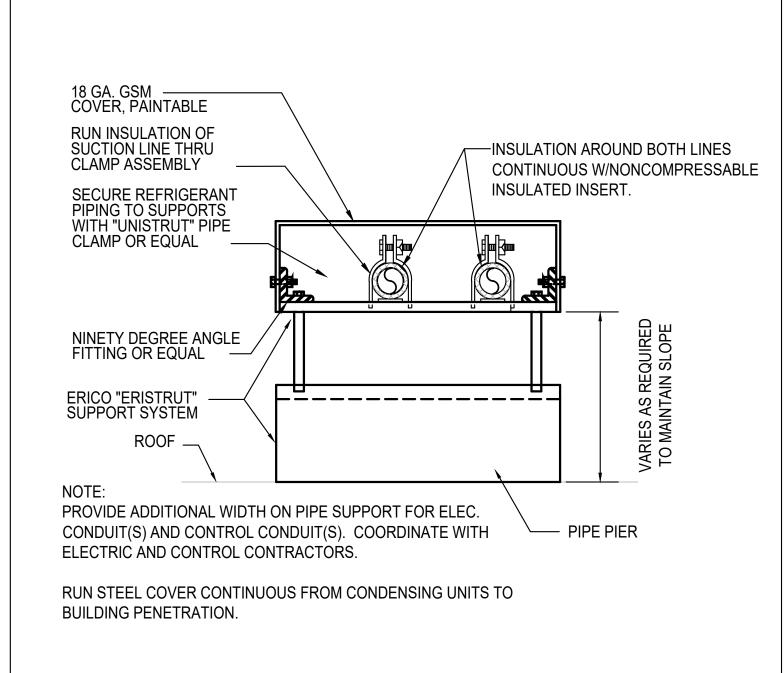


RENOVATION CKSD/ 900 BUILDING

18100 PROJECT# **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE DETAILS** 



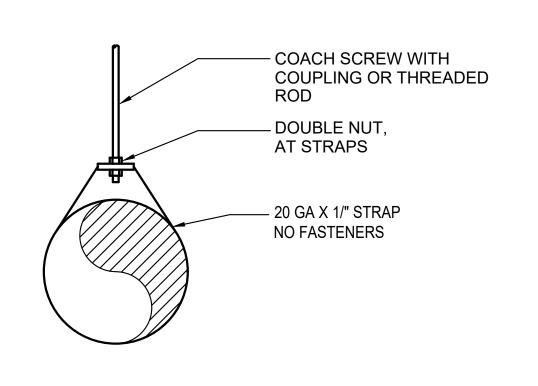




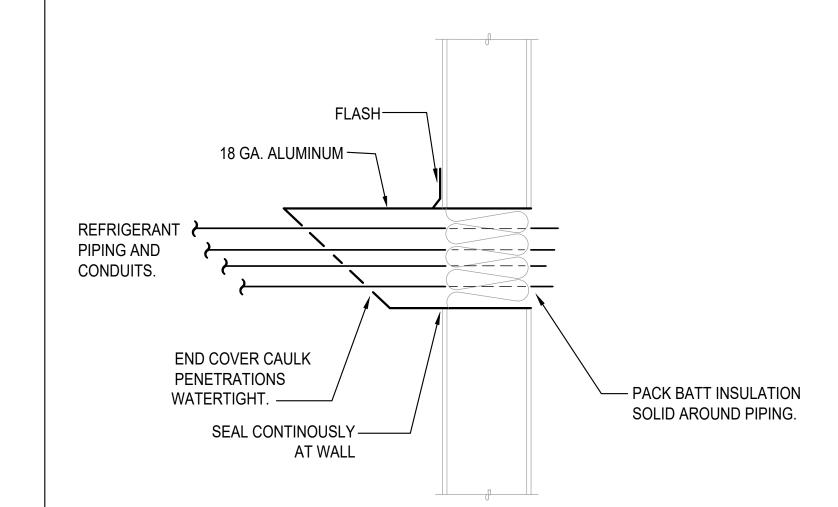
**ROOF REFRIGERANT** 

PIPE SUPPORT

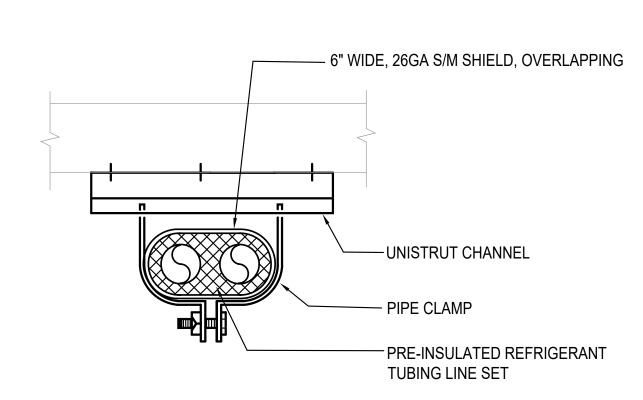
M41.02 N.T.S.



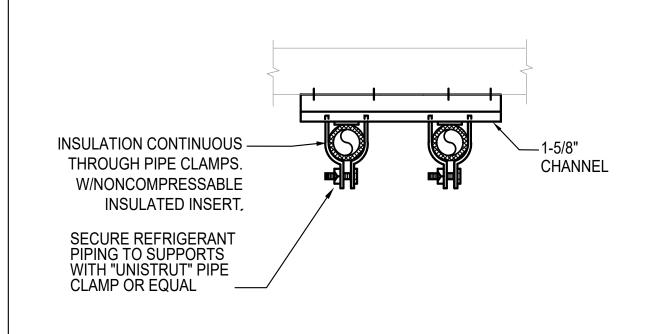






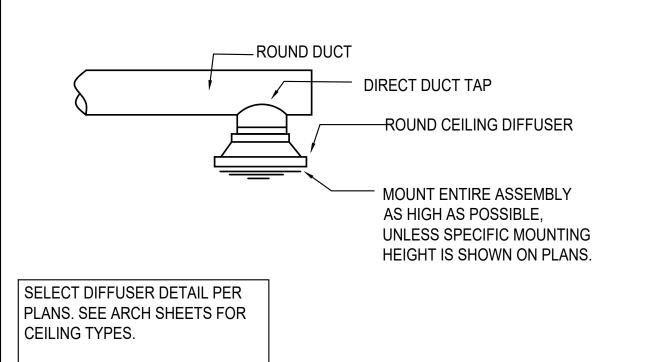


REFRIGERANT PIPE SUPPORT M41.02 N.T.S.

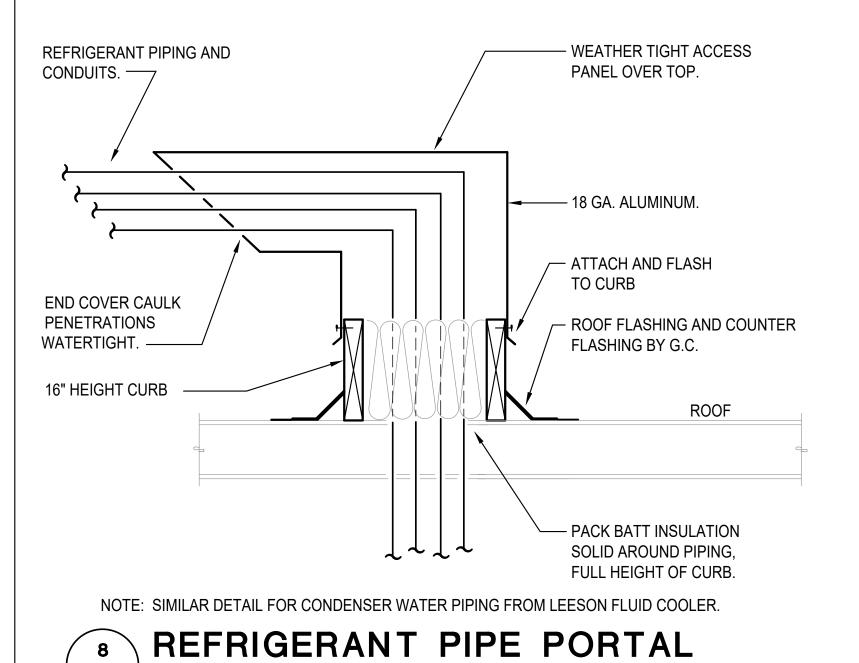


QUANTITY OF PIPES SHOWN REPRESENATIVE ONLY, PROVIDE QUANITY OF PIPES REQUIRED.

> REFRIGERANT PIPE SUPPORT M41.02 N.T.S.



ROUND CEILING DIFFUSER (OPEN CEILING) M41.02 N.T.S.



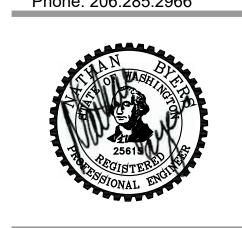
M41.02 N.T.S.

ARCHITECTURE INTERIORS PLANNING VIELAB 275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337

Permit Number: 19-05911

360-377-8773 RFMARCH.COM

> SIDER+BYERS MECHANICAL + ELECTRICAL ENGINEERS 192 Nickerson, Suite #300 Seattle, Washington 98109 Phone: 206.285.2966



RENOVATION SD/ CKSD BUILDING 900

18100

PROJECT#

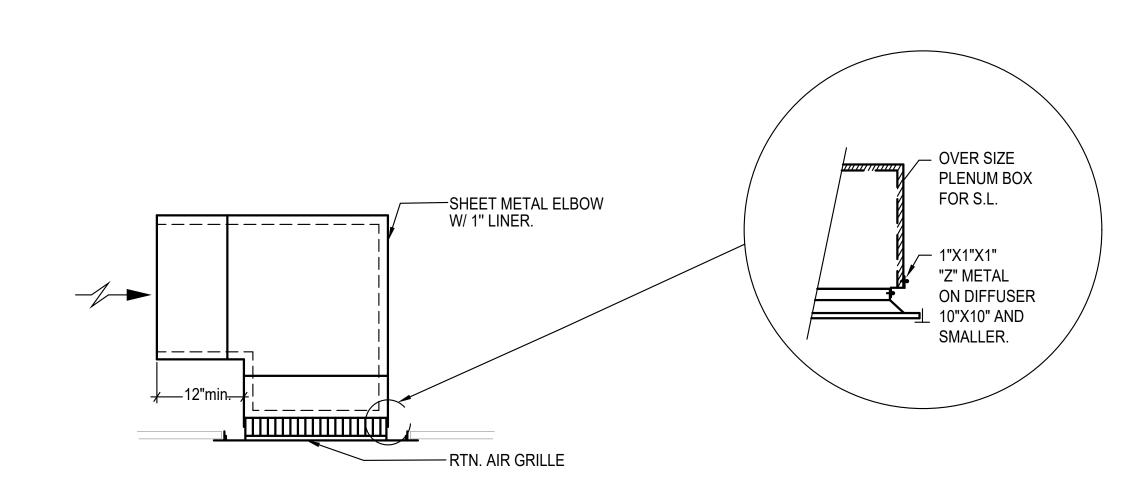
**DETAILS** 

M41.02

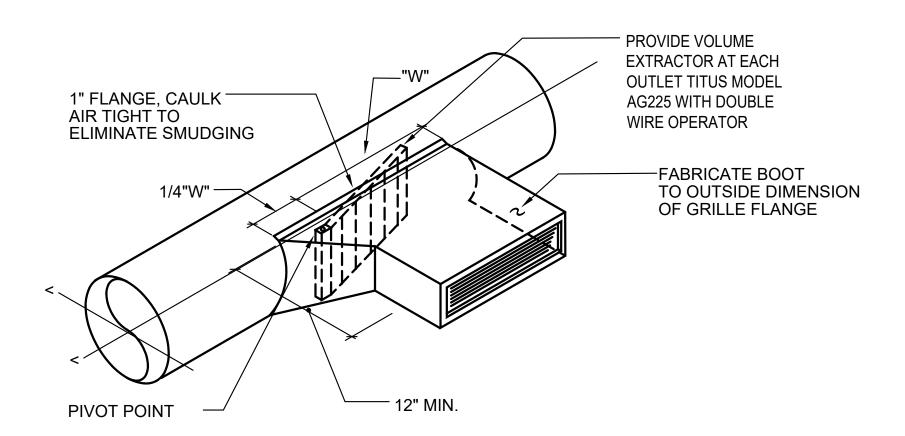
**PERMIT SET** 

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE



## 1 PLENUM RETURN AIR GRILLE M41.93 N.T.S.



SIDE WALL SUPPLY

GRILLE DETAIL

M41.03 N.T.S.

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PERMIT SET

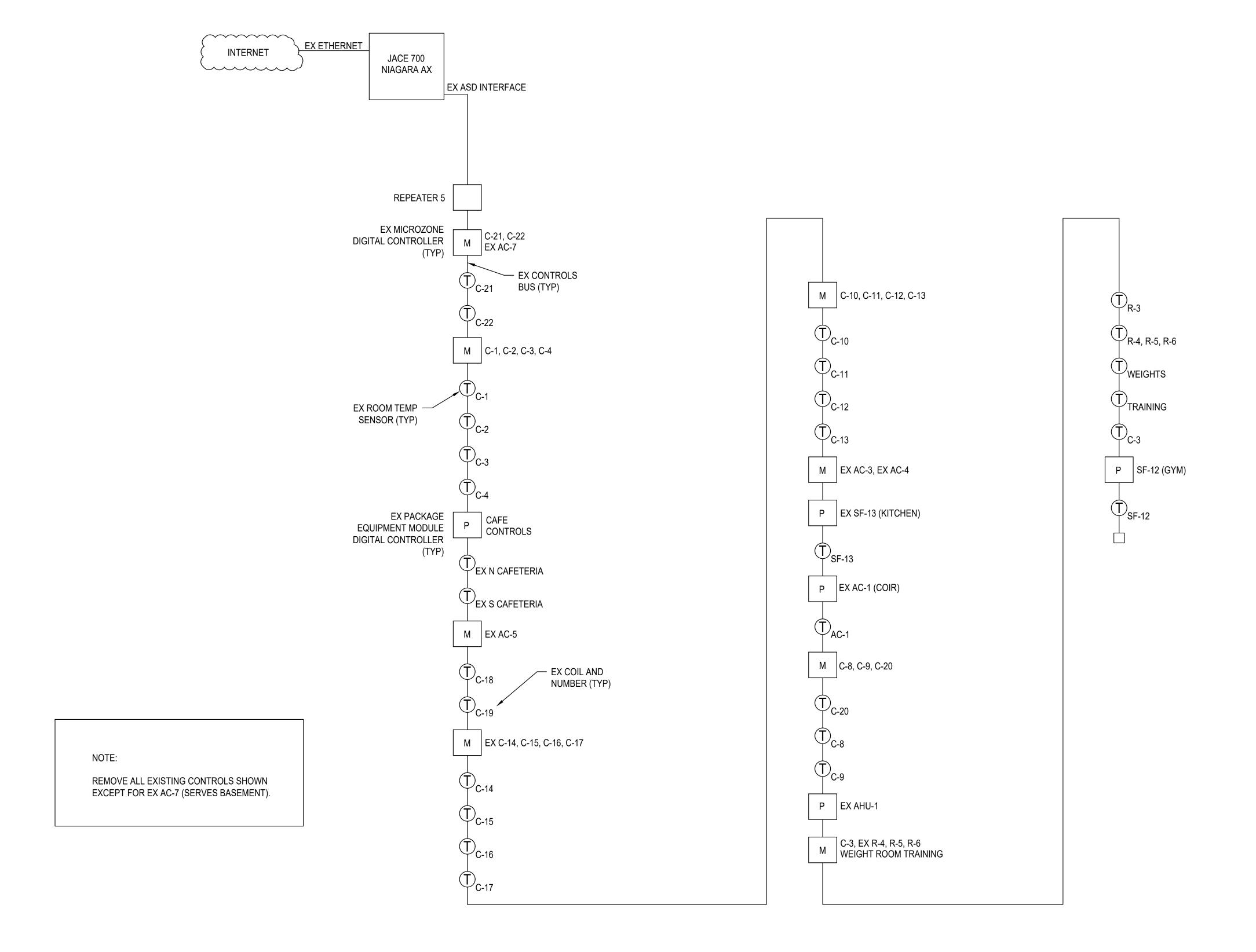
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

SHEET#

**DETAILS** 

**M41.03** 





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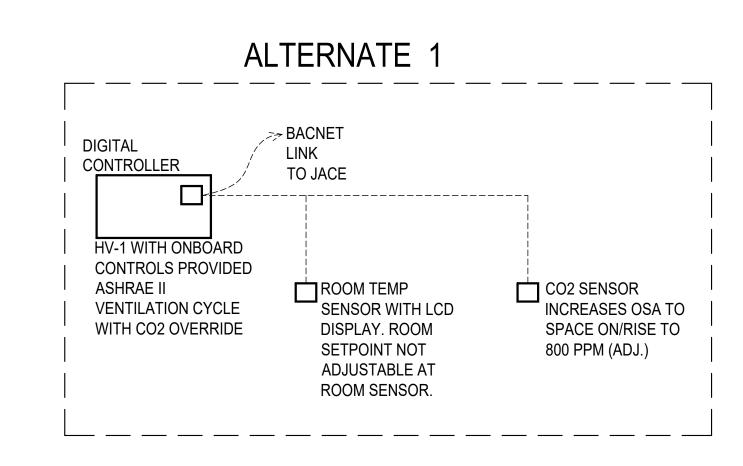
## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

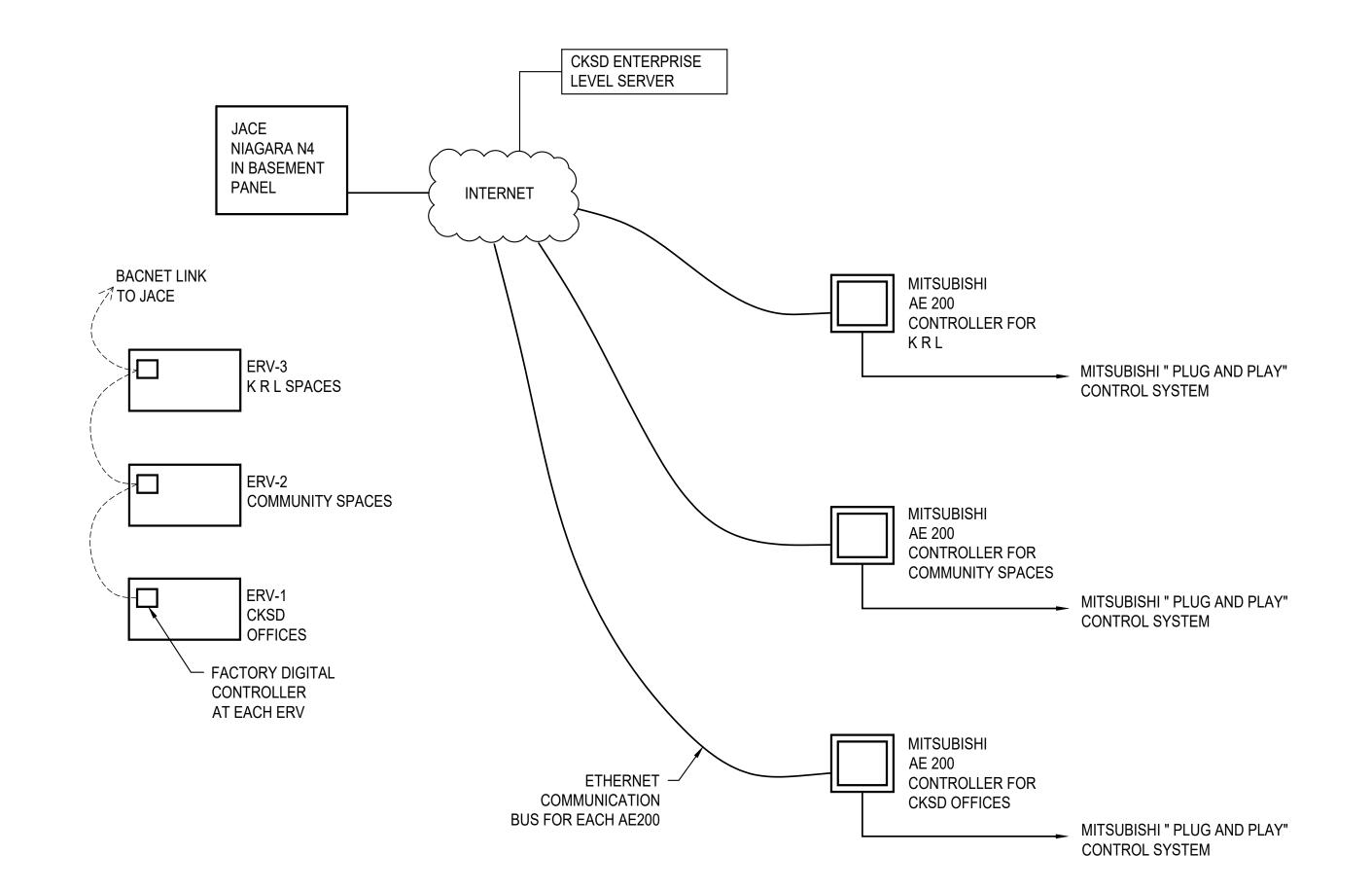
PROJECT#		18100
PE	RMIT SET	
ISSUE DATE	DECEMBER	24, 2019
REVI	SION SCHEDULE	

CONTROLS

SHEET #

M51.01





CONTROL ARCHITECTURE DIAGRAM
M51.02 N.T.S.

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# 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SII VERDALE WA 98383

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

CONTROLS

SHEET#

M51.02

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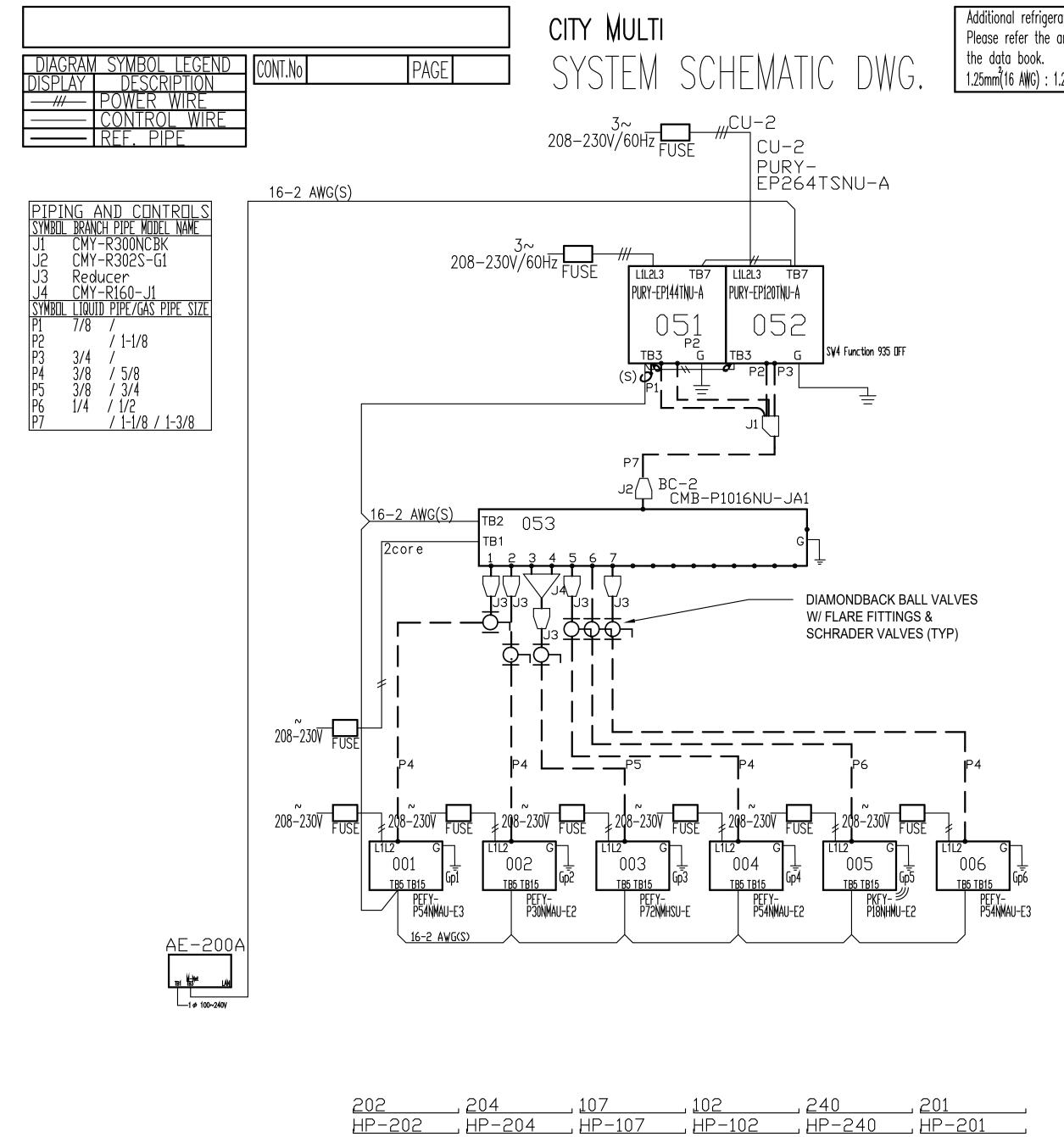


## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#	
PE	RMIT SET
ISSUE DATE	DECEMBER 2
REVI	SION SCHEDULE

SHEET#

151.03



Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm²(16 AWG): 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG): between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

NOTE:

THIS IS A PRELIMINARY SYSTEM SCHEMATIC FOR REFERENCE ONLY. OBTAIN FINAL SCHEMATIC FROM VENDOR AFTER VERIFYING SYSTEM SELECTION AND PIPING RUNS.

ARCHITECTURE INTERIORS PLANNING VIELA

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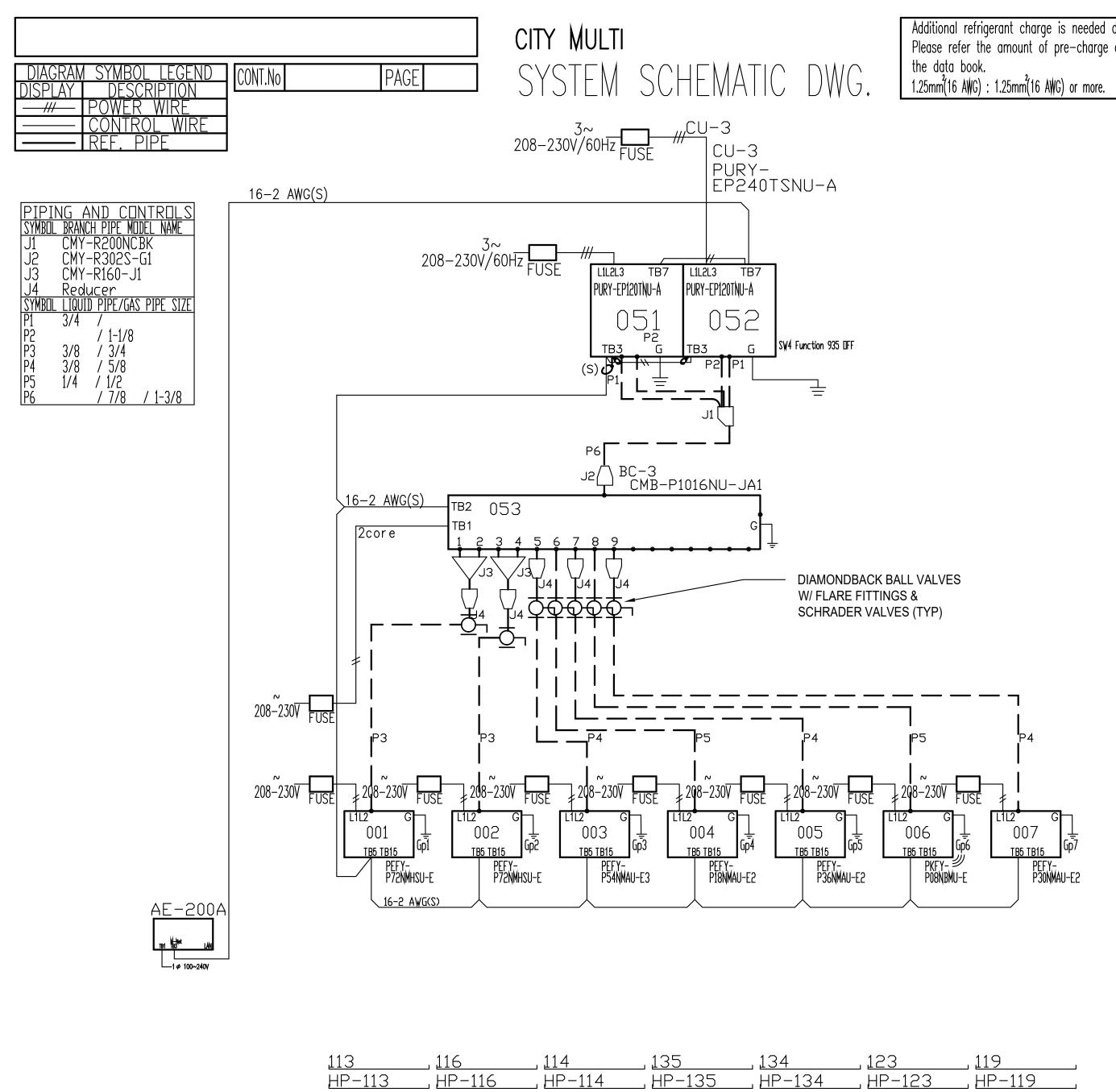




## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#		1810
PE	RMIT SET	
SSUE DATE	DECEMBER	24, 201
REVI	SION SCHEDULE	

**VI51.04** 



Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre—charge and the formula of calculation which is mentioned on the data book.

1.25mm²(16 AWG): 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG): between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

NOTE:

THIS IS A PRELIMINARY SYSTEM SCHEMATIC FOR REFERENCE ONLY. OBTAIN FINAL SCHEMATIC FROM VENDOR AFTER VERIFYING SYSTEM SELECTION AND PIPING RUNS.

ARCHITECTURE INTERIORS PLANNING VIEW

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## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

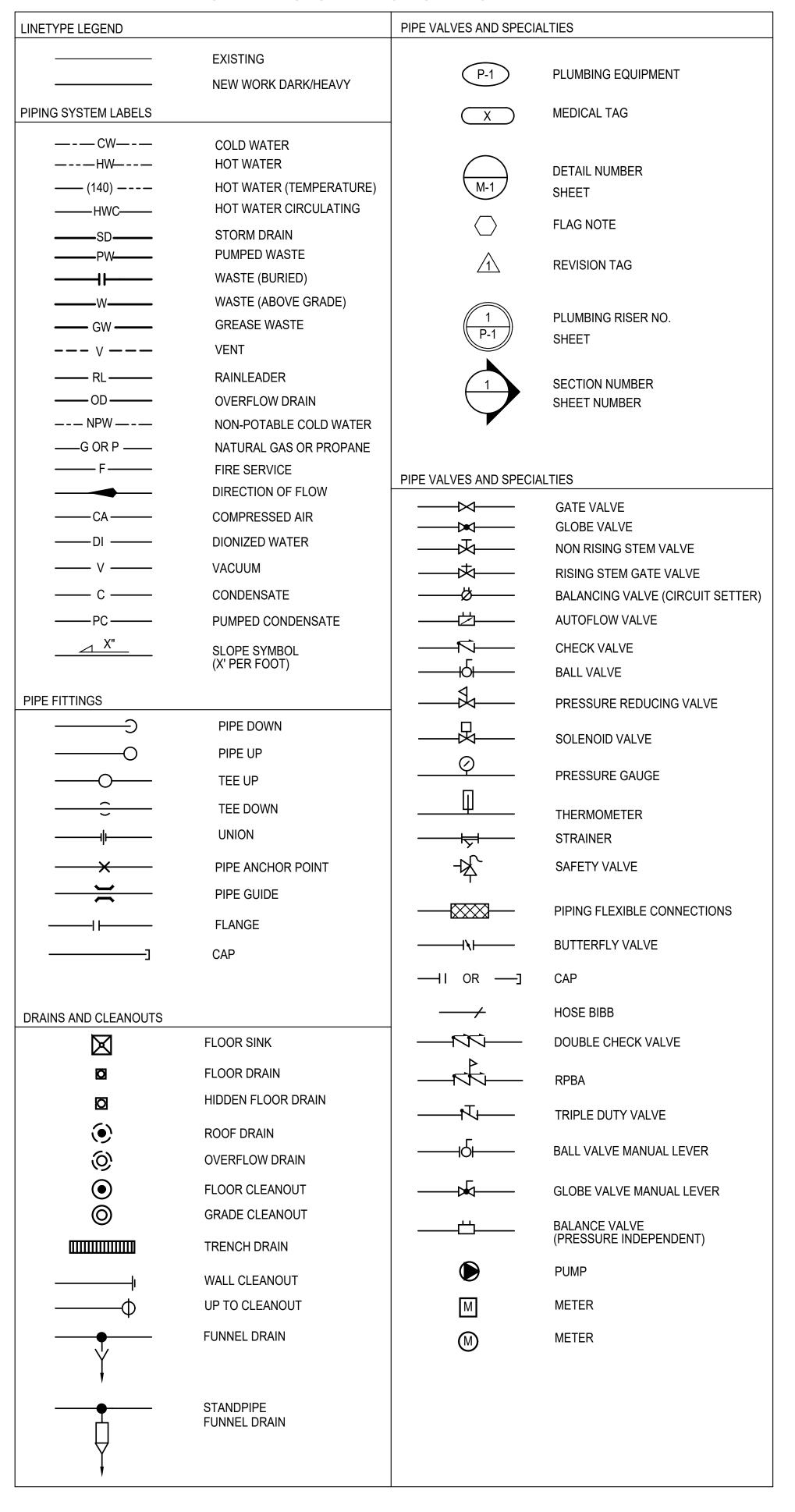
		1810
PE	RMIT SET	
ISSUE DATE	DECEMBER	24, 201
REVI	SION SCHEDULE	

HEET#

151.03

Reviewed for Code Compliance
Kitsap County Building/ Fire Marshals
06/23/20203:19:50 PM kwlodarchak

## PLUMBING SYMBOLS LEGEND



Permit Number: 19-05911

## **ABBREVIATIONS**

	, (33, (		•
ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	MED	MEDIUM
ADJ	ADJUSTABLE	MEP	MECHANICAL, ELECTRICAL, PLUMBING
AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
AP	ACCESS PANEL		
APPROX	APPROXIMATE	N/A	NOT APPLICABLE
ARCH	ARCHITECTURAL/ARCHITECT	NC NEC	NORMALLY CLOSED
AS	AIR SEPARATOR	NEG NIC	NEGATIVE NOT IN CONTRACT
AUX	AUXILIARY	NOM	NOMINAL
BFF	BELOW FINISHED FLOOR	NPC	NON-POTABLE COLD WATER
BFG	BELOW FINISHED FLOOR BELOW FINISHED GRADE	NPCW	NON-POTABLE COLD WATER
BHP	BRAKE HORSE POWER	NPH	NON-POTABLE HOT WATER
BLDG	BUILDING	NPHR	NON-POTABLE HOT WATER RETURN
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR		
		OD	OUTSIDE DIAMTER/OVERLOW DRAIN
CA	COMBUSTION AIR	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLG	CEILING	OFOI	OWNER FURNISHED OWNER INSTALLED
CMU	CONCRETE MASONRY UNIT	ORD	OVERFLOW ROOF DRAIN
CO	CLEANOUT	ORL	OVERFLOW RAINWATER LEADER
COND	CONDENSATE		
CW	COLD WATER	ΔΡ	PRESSURE DIFFERENTIAL
CX	CONNECT TO EXISTING	DD	DI ANTED DDAINI, DDECCLIDE DDAD
dB	DECIBEL	PD PERF	PLANTER DRAIN; PRESSURE DROP PERFORATED
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PERF	PHASE
DDCVA	DOUBLE DETECTOR CHECK VALVE	PIV	POST INDICATOR VALVE
DDCVA	DOUBLE DETECTOR CHECK VAVLE ASSEMBLY	PLBG	PLUMBING
DF	DRINKING FOUNTAIN	PRESS	PRESSURE
DFU	DRAINAGE FIXTURE UNIT	PRV	PRESSURE REDUCING VALVE
DHW	DOMESTIC HOT WATER	PSF	POUNDS PER SQUARE FOOT
DHWC	DOMESTIC HOT WATER RECIRCULATION	PSI	POUNDS PER SQUARE INCH
Ø OR DIA	DIAMETER	PSIG	POUNDS PER INCH GAUGE
DN	DOWN		
DWG(S)	DRAWING(S)	QTY	QUANTITY
DWV	DRAIN, WASTE, VENT		
		RD	ROOF DRAIN
EA	EACH	REQD	REQUIRED
EEW	EMERGENCY EYEWASH	RL	RAIN WATER LEADER
EFF ELEV	EFFICIENCY ELEVATION	RM	ROOM REDUCED PRESSURE BACKFLOW PREVENTER
EQUIP	EQUIPMENT	RPBP RPM	REVOLUTIONS PER MINUTE
ES	EMERGENCY SHOWER	RLX	RELOCATE EXISTING
ET	EXPANSION TANK	RV	RELIEF VALVE
EX	EXISTING/EXISTING TO REMAIN	RX	REMOVE EXISTING
EXP	EXPANSION		
		S	SINK
FC	FAIL CLOSED	S	STORM
FCO	FLOOR CLEANOUT	SCFM	STANDARD CUBIC FEET PER MINUT
FD	FLOOR DRAIN	SD	STORM DRAIN
FDC	FIRE DEPARTMENT CONNECTION	SF	SQUARE FOOT
FF	FINISHED FLOOR	SFU	SUPPLY FIXTURE UNIT
FLA	FULL LOAD AMPS	SH	SHOWER
FM FO	FORCE MAIN	S.O.V. SPEC	SHUTOFF VALVE
FO FP	FAIL OPEN FIRE PROTECTION	S/S, OR SS	SPECIFICATION STAINLESS STEEL
FPM	FEET PER MINUTE	STD	STANDARD
FPS	FEET PER SECOND	SYM	SYMBOL
FS	FLOOR SINK	<b>O</b> 1	01 <u>0</u>
FSZV	FIRE SPRINKLER ZONE VALVE ASSEMBLY	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
FT	FEET/FOOT	TBD	TO BE DETERMINED
FTG	FOOTING	TD	TRENCH DRAIN
FV	FLUSH VALVE	TEMP	TEMPERATURE
		TOB	TOP OF BEAM
G	NATURAL GAS	TOC	TOP OF CONCRETE
GA	GALLON	TOD	TOP OF JOICE
GAL G.C	GALLON GENERAL CONTRACTOR	TOJ TOS	TOP OF JOIST TOP OF SLAB/TOP OF STEEL
G.C.	GENERAL CONTRACTOR		
GCO GD	GRADE CLEANOUT GARAGE DRAIN	TP T&P	TRAP PRIMER TEMPERATURE & PRESSURE
GPF	GALLONS PER FLUSH	TYP	TYPICAL
GPH	GALLONS PER HOUR	111	TITIOAL
GPM	S, ILLOTTO I LITTINGIT		LINDEDWINTERS LABORATORY
GW	GALLONS PER MINUTE	UL	UNDERWRITERS LABORATORY
	GALLONS PER MINUTE GREASE WASTE	UL UNO	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE
Н		UNO UR	UNLESS NOTED OTHERWISE
HB	GREASE WASTE  HEIGHT HOSE BIBB	UNO UR V	UNLESS NOTED OTHERWISE URINAL VENT(S)
HB HBVB	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER	UNO UR V V	UNLESS NOTED OTHERWISE URINAL VENT(S) VOLT
HB HBVB HD	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD	UNO UR V V VERT	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL
HB HBVB HD HP	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER	UNO UR V V VERT VFD	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE
HB HBVB HD HP HS	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK	UNO UR V VERT VFD VIB	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX
HB HBVB HD HP HS HW	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER	UNO UR V V VERT VFD	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE
HB HBVB HD HP HS	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK	UNO UR V VERT VFD VIB VTR	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF
HB HBVB HD HP HS HW HX	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER	UNO UR V VERT VFD VIB VTR	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER
HB HBVB HD HP HS HW HX	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION	UNO UR V VERT VFD VIB VTR W	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH
HB HBVB HD HP HS HW HX	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER	UNO UR V VERT VFD VIB VTR	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER
HB HBVB HD HP HS HW HX	GREASE WASTE  HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION	UNO UR V VERT VFD VIB VTR W W/	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN
HB HBVB HD HP HS HW HX	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES	UNO UR  V V VERT VFD VIB VTR  W W/ W/IN W/O	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT
HB HBVB HD HP HS HW HX	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES	UNO UR  V V VERT VFD VIB VTR  W W/ W/IN W/O WC	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT WATER CLOSET
HB HBVB HD HP HS HW HX IE IN KW LAV LBS	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES  KILOWATT/KILOWATTS	UNO UR  V VERT VFD VIB VTR  W W/IN W/O WC WCO WH WPD	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT WATER CLOSET WALL CLEANOUT
HB HBVB HD HP HS HW HX IE IN KW LAV LBS LF	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES  KILOWATT/KILOWATTS  LAVATORY POUNDS LINEAL FOOT	UNO UR  V VERT VFD VIB VTR  W W/ W/IN W/O WC WCO WH	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT WATER CLOSET WALL CLEANOUT WATER HEATER
HB HBVB HD HP HS HW HX IE IN KW LAV LBS LF LTG	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES  KILOWATT/KILOWATTS  LAVATORY POUNDS LINEAL FOOT LIGHTING	UNO UR  V VERT VFD VIB VTR  W W/IN W/O WC WCO WH WPD WT	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT WATER CLOSET WALL CLEANOUT WATER HEATER WATER PRESSURE DROP WEIGHT
HB HBVB HD HP HS HW HX IE IN KW LAV LBS LF	HEIGHT HOSE BIBB HOSE BIBB VACUUM BREAKER HEAD HORSEPOWER HAND SINK HOT WATER HEAT EXCHANGER  INVERT ELEVATION INCH/INCHES  KILOWATT/KILOWATTS  LAVATORY POUNDS LINEAL FOOT	UNO UR  V VERT VFD VIB VTR  W W/IN W/O WC WCO WH WPD	UNLESS NOTED OTHERWISE URINAL  VENT(S) VOLT VERTICAL VARIABLE FREQUENCY DRIVE VALVE-IN-BOX VENT THROUGH ROOF  WASTE/WATER WITH WITHIN WITHOUT WATER CLOSET WALL CLEANOUT WATER PRESSURE DROP



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## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

COVER SHEET

SHEET#

P10.01

Reviewed for Code Compliance
Kitsap County Building/ Fire Marshals
06/23/20203:19:50 PM kwlodarchak

## PLUMBING NOTES

1. PLUMBING FIXTURES SHALL BE DESIGNED OR EQUIPPED TO MEET FOLLOWING MAXIMUM WATER USE EFFICIENCY STANDARDS:

A. WATER CLOSETS (TANK STYLE OR FLUSH VALVE). 1.28 GPF
B. SHOWER HEADS 1.5 GPM

C. RESIDENTIAL LAVATORY FAUCETS.
 D. PUBLIC LAVATORY FAUCETS.
 D. KITCHEN SINK FAUCETS
 D. KITCHEN SINK FAUCETS
 D. 5 GPM
 D. 5 GPM

PLUMBING FIXTURE MOUNTING SHALL COMPLY WITH CONTRACT

SINK AND LAVATORY DRAINS SHALL BE CHROME PLATED 17 GA. BRASS TUBING BY ENGINEERED BRASS, DEARBORN BRASS OR BRASSCRAFT. PROVIDE INSULATED P-TRAP AND SUPPLY COVERS (TRUEBRO OR EQUAL) AT ALL EXPOSED P-TRAPS AND SUPPLIES PER A.D.A. STANDARDS.

- DOCUMENTS, ADA, AND WASHINGTON STATE ACCESSIBILITY CODE.

  3. INSTALL WATER HAMMER ARRESTORS ON HOT & COLD WATER PIPING OF EACH FIXTURE GROUP AND AT ALL FIXTURES W/QUICK ACTING VALVES. UNITS SHALL BE ZURN "SHOKTROLL" OR EQUAL. SELECT UNIT SIZE AND LOCATION PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORD WITH PDI STANDARD WH-201. PROVIDE ACCESS PANELS AT ARRESTORS ABOVE GWB CEILINGS. ALL ACCESS PANELS AND DOORS SHALL BE ELMDOR FAB. STEEL SLK SERIES OR EQUAL WITH 14 GAUGE DOOR AND FRAME. PROVIDE WITH CYLINDER LOCK, CONTINUOUS PIANO HINGE AND PRIME COATED READY FOR PAINTING.
- 4. COLD WATER AND HOT WATER PIPING SHALL BE INSULATED AND ROUTED FULL SIZE WITH APPROPRIATE SIZE REDUCTION AT POINT OF CONNECTION TO FIXTURE. 1/2" WATER LINE LIMITED TO 10'-0" DISTANCE FROM FIXTURE. "DEAD-LEGS" OR "FUTURE" STUBS ON ACTIVE POTABLE WATER LINES SHALL BE LIMITED TO 4" TO PREVENT STAGNANT WATER CONDITIONS.
- 5. INSTALL WATER PIPING ON WARM SIDE OF BUILDING INSULATION. SEE SPEC. FOR INSULATION SYSTEMS. SEE DWGS. FOR ELEC. HEAT TRACE REQUIREMENTS. SEE PLUMBING DETAILS FOR PIPE HANGER STYLE. SEE SPEC. FOR HANGER SPACING.
- 6. WHEN CONNECTING TO EXISTING BURIED WASTE PIPING VERIFY PROPER FLOW CONDITIONS BEFORE COVERING. BURIED WASTE & VENT PIPING SHALL BE MIN. 2" DIA. & SLOPED 1/4"/FT., UNLESS OTHERWISE NOTED. PVC OR ABS PIPING SHALL BE USED ONLY IF APPROVED BY ADMINISTRATIVE AUTHORITY, SEE SPECIFICATIONS FOR FURTHER INFO.

  7. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS EXCEPT IN SHOWER
- 7. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS EXCEPT IN SHOWER
  STALLS OR OTHERWISE NOTED ON DWGS. CONTRACTOR SHALL INSTALL
  ACCESS PANELS WHERE PRIMERS ARE CONCEALED IN WALLS.
- 8. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH HVAC UNITS.
  MAINTAIN MIN. 10'-0" CLEARANCE. OFFSET VTR AS NECESSARY.
  COORDINATE PIPE ROUTING WITH HVAC AND SPRINKLER CONTRACTORS.
- 9. SITE WATER PRESSURE IS 58 PSI PER SILVERDALE WATER DEPT.
- 10. RISER DIAGRAMS & PLANS DO NOT SHOW SOME PIPING OFFSETS REQUIRED FOR STRUCTURAL CLEARANCES. EXACT ROUTING MAY VARY FROM THAT INDICATED. ALL WASTE PIPING INCLUDING RISERS ON RESIDENTIAL LEVELS TO BE CAST IRON.
- 11. PROVIDE ELECTRIC HEAT TRACE UNDER PIPING INSULATION FOR ALL WATER PIPING INSTALLED IN UNHEATED GARAGE SPACES.
- 12. CONFIGURE PIPING FOR SUDS RELIEF AS REQUIRED BY THE UPC.
- 12. CONFIGURE PIPING FOR SUDS RELIEF AS REQUIRED BY THE UPC.

  13. ALL LEVER CONTROLLED WATER CLOSETS TO BE INSTALLED WITH

  THE LEVER ON THE OPEN SIDE OF THE BATHROOM.

## **ENERGY CODE NOTES**

- 1. SEE SCHEDULE FOR WATER HEATER EQUIPMENT TYPE, CAPACITY AND
- EFFICIENCY. MINIMUM EFFICIENCY SHALL MEET TABLE C404.2

  2. PUBLIC LAVATORIES SHALL BE FOLIPPED WITH AN ASSE 1070 MIXING
- 2. PUBLIC LAVATORIES SHALL BE EQUIPPED WITH AN ASSE 1070 MIXING VALVE SET TO DELIVERY 110 F HOT WATER.
- NONCIRCULATING HOT WATER SYSTEMS WITHOUT AN INTEGRAL HEAT TRAP SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING.
- 4. ELECTRIC WATER HEATERS IN UNCONDITIONED SPACES OR ON CONCRETE FLOORS SHALL BE PLACED ON INCOMPRESSIBLE R-10 INSULATION.
- 5. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 22 07 00.
- 6. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
- 7. ALL PIPE AND WRAP INSULATION SHALL BE LABELED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).
- THE MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF HOT WATER TO THE TERMINATION OF THE FIXTURE SUPPLY SHALL COMPLY WITH
- 9. CIRCULATING HOT WATER PUMPS OR HEAT TRACE SHALL BE EQUIPPED WITH AUTOMATIC TIMERS.



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## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#		1810
PE	RMIT SET	
ISSUE DATE	DECEMBER	24, 20
REVI	SION SCHEDULE	

SHEET#

10.02

## PLUMBING FIXTURE SCHEDULE

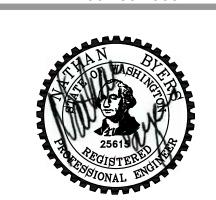
MARK	<u>ITEM</u>	MFR: MODEL	DESCRIPTION
WC-1	WATER CLOSET	KOHLER: 4325	WALL-MOUNT, SIPHON JET, ELONG. RIM., VIT. CHINA, 1 1/2" TOP SPUD, WHITE. MOUNT AT 15" RIM HEIGHT.
	SEAT	BEMIS: 1955 C	WHITE PLASTIC, OPEN FRONT, W/O COVER.
	FLUSH VALVE	SLOAN: ROYAL 111-1.28	1.28 GPF FLUSH VALVE
WC-2 (ADA)	WATER CLOSET	KOHLER: 4325	WALL-MOUNT, SIPHON JET, ELONG. RIM., VIT. CHINA, 1 1/2" TOP SPUD, WHITE. MOUNT AT 17" RIM HEIGHT. INSTALL FLUSH VALVE HANDLE TOWARDS OPEN SIDE OF RESTROOM PER ADA REQUIREMENTS.
	SEAT	BEMIS: 1955 C	WHITE PLASTIC, OPEN FRONT, W/O COVER.
	FLUSH VALVE	SLOAN: ROYAL 111-1.28	1.28 GPF FLUSH VALVE
UR-1	URINAL	KOHLER: K-5452-ET	WALL MOUNT, SIPHON JET, VIT. CHINA, 3/4" TOP SPUD, 0.125 GAL. FLUSH, WHITE, A.D.A. COMPLIANT. SEE ARCH DWGS. FOR MOUNTING HEIGHTS. WATERSENSE LABELED.
	VALVE	SLOAN: ROYAL 186-0.125 DBP	EXPOSED FLUSHOMETER. 0.125 GPF WATERSENSE LABELED.
LAV-1	LAVATORY	KOHLER: K-2005-4	21-1/4" X 18-1/8", WALL MOUNT, VIT. CHINA, 3 HOLES ON 4" CTRS, WHITE, CONCEALED ARM CARRIER, ADA.
	FAUCET	DELTA: 523LF-HDF	5" SPOUT, SGL. LEVER HANDLE, 4" CENTERS, POP-UP DRAIN ASSEMBLY, 0.5 GPM AERATOR, CHROME
	DRAIN		INSULATE DRAIN AND STOPS PER ADA REQUIREMENTS
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK-B	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, PROVIDE WHITE ENAMEL WALL CABINET AND MOUNT BELOW LAVATORIES. MUST COMPLY WITH ASSE 1070.
LAV-2	LAVATORY	KOHLER: 2196-4	17" X 20" OVAL, COUNTER TOP, SELF RIM, VIT. CHINA, 4" CTRS, WHITE.
	FAUCET	CHICAGO: 2200-4E37ABCP	4 1/2" SPOUT, AERATOR, SGL. LEVER HANDLE, 4" CTRS., CHROME PLATE, VANDAL RES., 1.5 GPM
	DRAIN	CHICAGO:	PERFERATED STRAINER. INSULATE DRAIN AND WATER PIPING PER ADA.
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK-B	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, PROVIDE WHITE ENAMEL WALL CABINET AND MOUNT BELOW LAVATORIES. MUST COMPLY WITH ASSE 1070.
S-1	SINK	ELKAY: DLR332210	33"X22"X10-1/8" DEEP, DOUBLE COMPARTMENT, #18 GAUGE STAINLESS STEEL, SELF-RIMMING SOUND DEADENED,
	FAUCET	CHICAGO: 201-AL8XKABCP	8" SWINGING SPOUT, 2.2 GPM, LEVER HANDLES, 8" CTRS.
	DRAIN(S)		CRUMB CUP STRAINER, 1 1/2" TAILPIECE, STAINLESS STEEL.
	DISPOSER	I.S.E: EVOLUTION EXCEL	1 HP, 1725 RPM, 120V/1 PHASE, PROVIDE SINKTOP SWITCH ACCESSORY IN CHROME, VERIFY COUNTERTOP PUSH BUTTON CONTROL LOCATION WITH ARCHITECT. STANDARD ELECTRICAL OUTLET UNDER SINK COUNTER BY DIV. 26.
S-2	SINK	ELKAY: DLR191910	19-1/2"X19"X10-1/8" DEEP, SINGLE COMPARTMENT, #18 GAUGE STAINLESS STEEL, SELF-RIMMING SOUND DEADENED,
	FAUCET	CHICAGO: 201-AL8XKABCP	8" SWINGING SPOUT, 2.2 GPM, LEVER HANDLES, 8" CTRS.
	DRAIN		CRUMB CUP STRAINER, 1 1/2" TAILPIECE, STAINLESS STEEL.

MARK	<u>ITEM</u>	MFR: MODEL	DESCRIPTION
DF-1	DRINKING FOUNTAIN	ELKAY: LZSTL8WSLK	WALL MOUNT, STAINLESS STEEL, ADA, BOTTLE FILLER, FRONT PUSH BUTTONS, HI-LOW BASINS, SEE ARCH. FOR MOUNTING HEIGHTS. ELECTRICAL OUTLET CONCEALED IN WALL BY DIV. 26. PROVIDE WITH ELKAY FRONT ACCESS PANEL MODEL #12X38 FOR ACCESS TO ELECTRICAL OUTLET.
	FILTER	ELKAY: EWF3000	LEAD REDUCTION FILTER DESIGN FOR USE WITH ABOVE DRINKING. FOUNTAIN. QUICK DISCONNECT, 1/4 TURN INSTALLATION. INCLUDES REPLACEMENT FILTER.
	BOTTLE FILLING STATION	ELKAY: EZH2O	INSTALL ABOVE LOWER LEVEL FOUNTAIN
FD-1	FLOOR DRAIN	ZURN: Z-415-S	2" C.I. BODY, 5" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING. PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. <b>REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST. &amp;/OR COVERING.</b>
SV-1	SERVICE VALVE	SIOUX CHIEF: 696-G1010MF	1/2" SERVICE STOP FOR SUPPLY WATER, WATER HAMMER ARRESTOR, OUTLET BOX, 5-3/4" X 7-1/4" BOX.
WH-1	WATER HEATER	HEAT TRANSFER: PH-100-80	80 GAL. CAP., 173 GPH RECOVERY @ 70 DEG. F TEMP. RISE. 30 - 100 MBH MODULATING NATURAL GAS INPUT, PVC (SOLID CORE) COMBUSTION AIR & GAS VENT, 96% EFF., 235 LBS (DRY), 115 VOLT, 5 AMPS. ENERGY FACTOR (UEF) OF 0.93.
ET-1	DOMESTIC EXPANSION TANK	AMTROL: ST-12	STEEL CONST. W/INTERNAL DIAPHRAGM 11" DIA. X 15" HIGH.
MV-1	MASTER MIXING VALVE	SYMMONS: 7-500	THERMOSTATIC MIXING VALVE, INTEGRAL CHECK STOPS, REMOVABLE STRAINER, BRONZE FINISH, WALL MOUNTED.
CP-1	CIRC. PUMP	ARMSTRONG: ASTRO 250	6 GPM @ 15' HEAD, 115 V / 1 PHASE, FLA 1.0, 120 WATTS, STAINLESS STEEL PUMP BODY.
SS-1	SERVICE SINK	FIAT: MSB-2424	FLOOR STYLE 24" X 24" X 10" MOLDED COMPOSITION STONE, 3" DIA. FLAT STRAINER, #E-77-AA VINYL BUMPERGUARD, STAINLESS WALL GUARDS, MOP HANGER 889-CC, WHITE.
	FAUCET	FIAT: 830-AA	WALL MOUNT WITH BRACE, VACUUM BREAKER, BUCKET HOOK, 3/4" HOSE THREAD, #832-AA 30" HOSE & BRACKET.
LB-1	LAUNDRY BOX	SPECIALTY: OB-213	LAUNDRY BOX 1/2" HW, 1/2" CW, & 2" DRAIN CONNECTIONS. WATER HAMMER ARRESTORS.
HB-1	EXTERIOR HOSE BIBB	WOODFORD: B67	FREEZE PROOF TYPE, AUTOMATIC DRAINING, LOOSE KEY HANDLE WITH WALL BOX

<b>PLUM</b>	<b>BING FIXTURE</b>	CONNI	ECTIO	N SCH	<b>EDUL</b>	E		
MARK	FIXTURE	PIPE SIZE C.W	H.W	WASTE	VENT	WATER FIXTURE UNITS	WASTE FIXTURE UNITS	REMARKS
WC-1	WATER CLOSET	1"	_	3"	2"	5	4	FLUSH VALVE
WC-2	WATER CLOSET	1"	-	3"	2"	5	4	FLUSH VALVE, ADA
UR-1	URINAL	3/4"	-	2"	2"	1	2	
LAV-1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1	1	
LAV-2	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1	1	
S-1	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	1.5	2	
S-2	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	1.5	2	
SS-1	SERVICE SINK	1/2"	1/2"	3"	1-1/2"	3	3	
LB-1	LAUNDRY BOX	1/2"	1/2"	2"	2"	4	3	
SH-1	SHOWER	1/2"	1/2"	2"	1-1/2"	4	2	
SV-1	SERVICE VALVE	1/2"	-	-	ı	1	-	
FD-1	FLOOR DRAIN	-	-	2"	1-1/2"	-	-	
FD-2	FLOOR DRAIN	-	_	2"	1-1/2"	_	_	
HB-1	HOSE BIBB	3/4"	3/4"	-	-	2.5	-	
HB-2	HOSE BIBB	3/4"	3/4"	-	-	2.5	-	_
DF-1	DRINKING FOUNTAIN	1/2"	-	1-1/2"	1-1/2"	1	1	







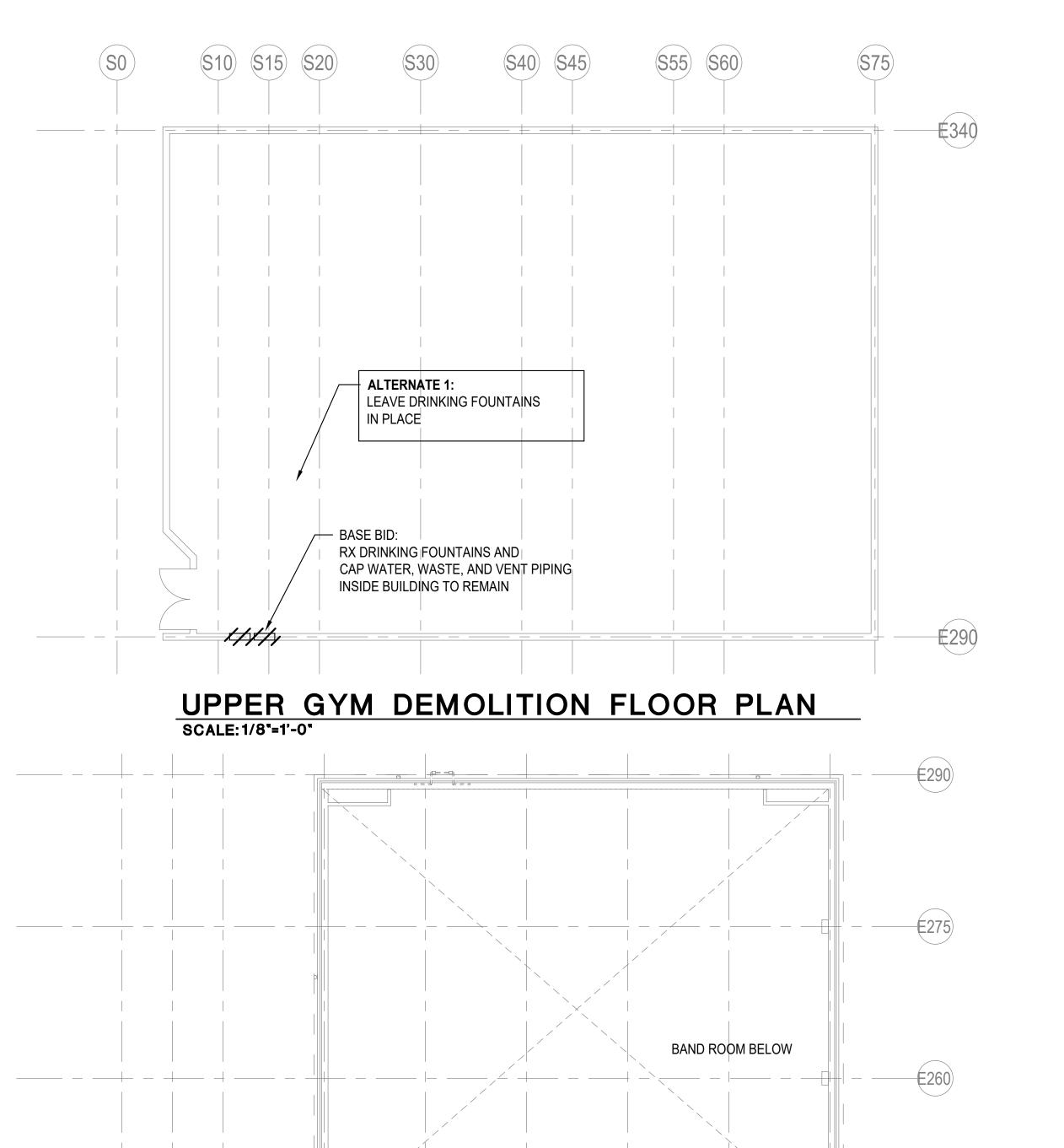
# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#		181
PE	RMIT SET	
ISSUE DATE	DECEMBER 2	24, 20
REVI	SION SCHEDULE	

SCHEDULES

SHEET#

P10.03



EX 1-1/2" VTR

CHORAL ROOM

(S60)

NO WORK IN THIS AREA

(S50)

EX DF TO -

REMAIN

(S30)

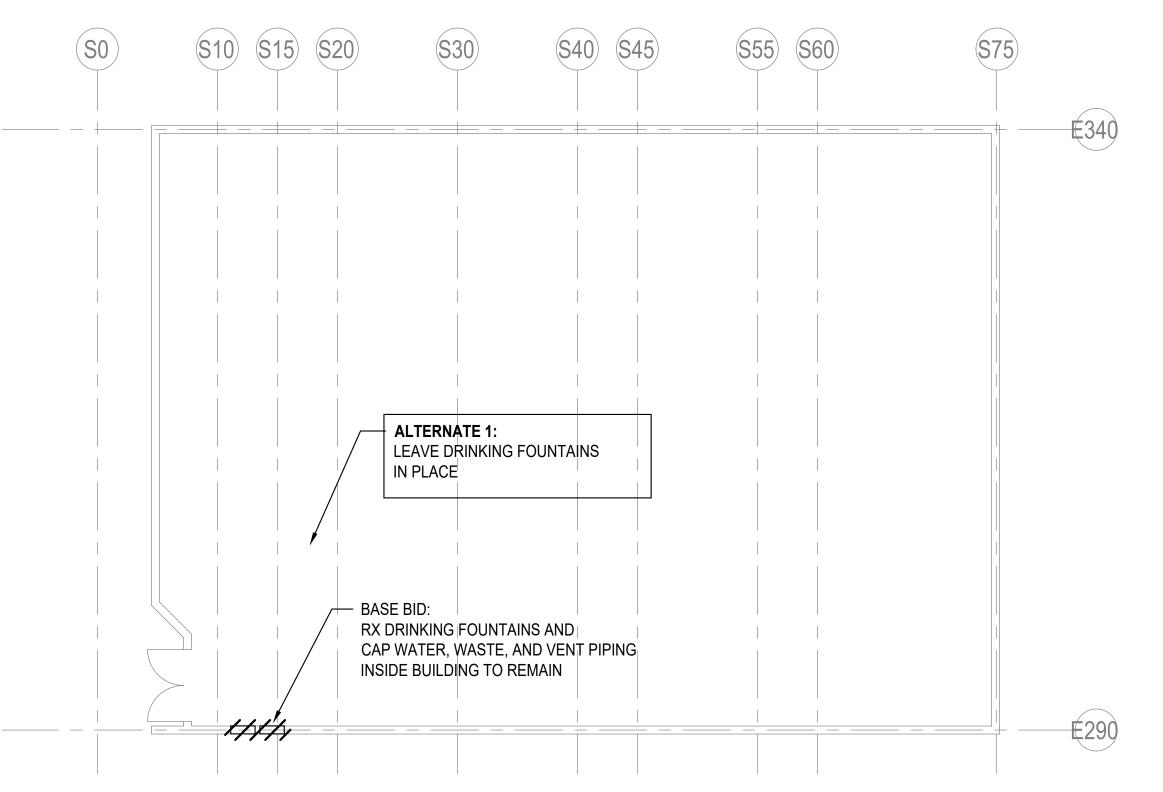
LEVEL 3 DEMOLITION FLOOR PLAN

(S20)

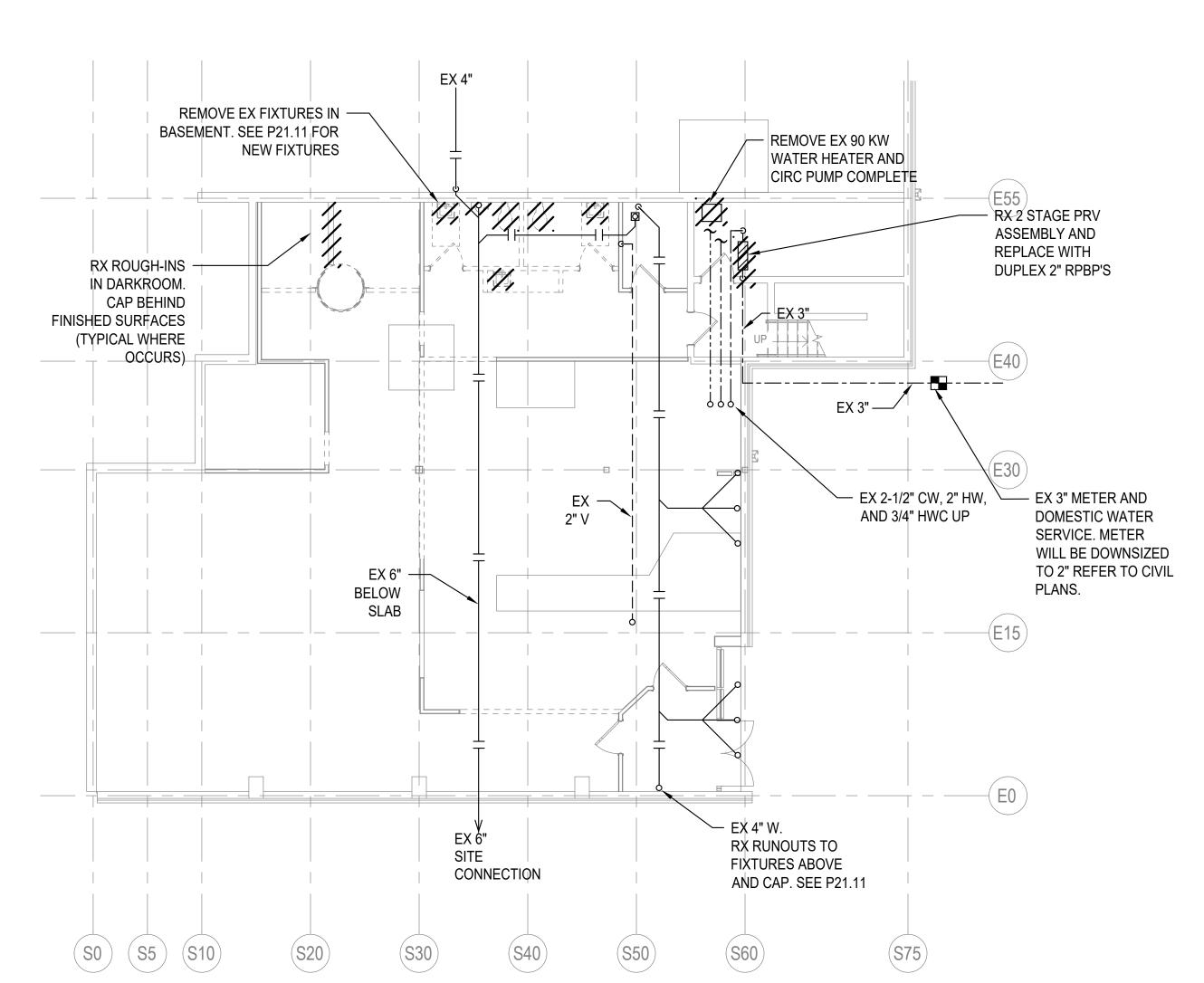
SCALE: 1/8"=1'-0"

(S0)

(S5)



LOWER GYM DEMOLITION FLOOR PLAN
SCALE: 1/8'=1'-0'



BASEMENT DEMOLITION FLOOR PLAN
SCALE: 1/8'=1'-0'

CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

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SIDER+BYERS

MECHANICAL + ELECTRICAL ENGINEERS

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BREMERTON, WA 98337

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BASEMENT AND LEVEL
3 DEMOLITION FLOOR
PLANS

**PERMIT SET** 

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

18100

SHEET#

PROJECT#

P21.01

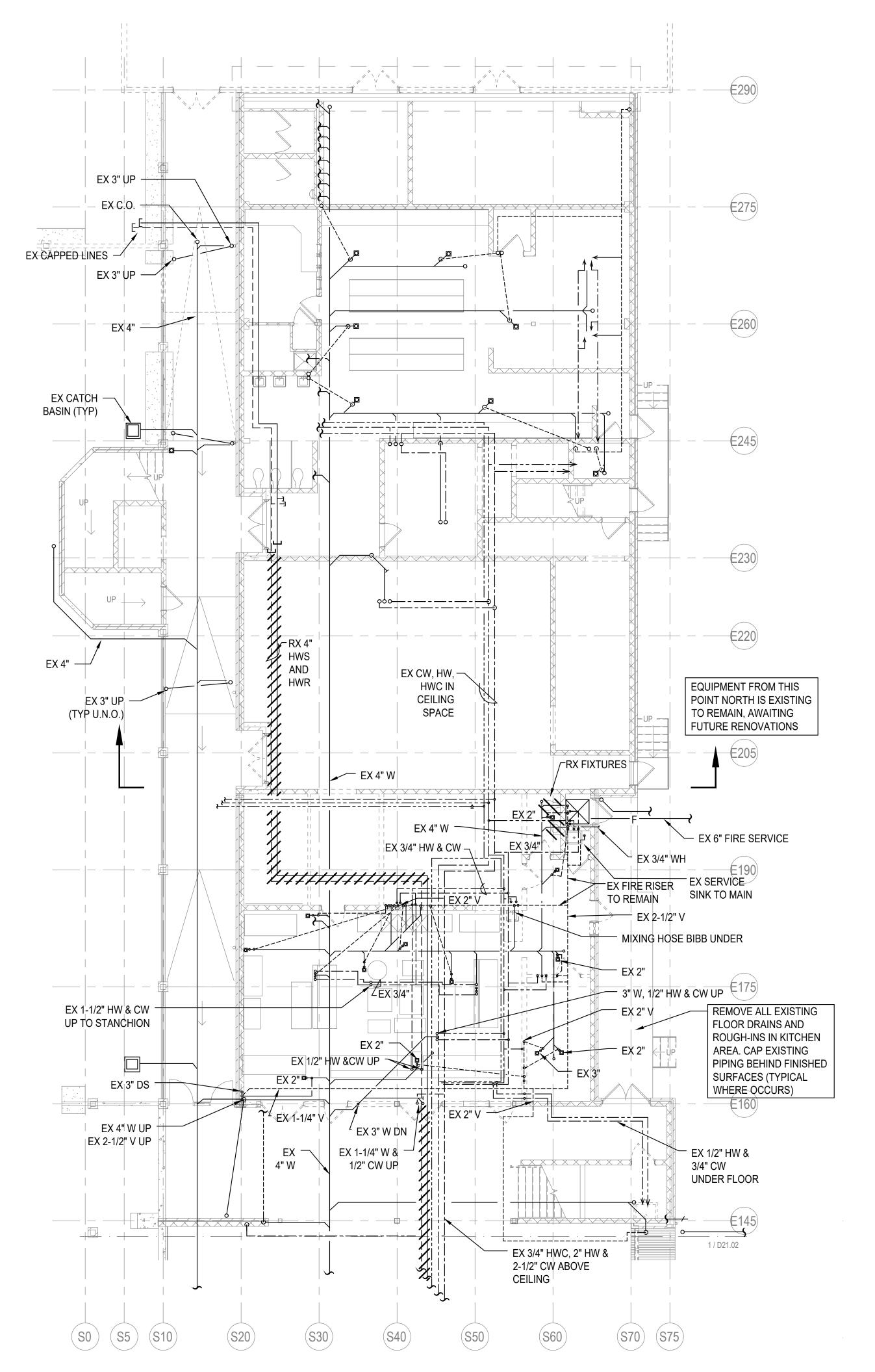
E245

E230

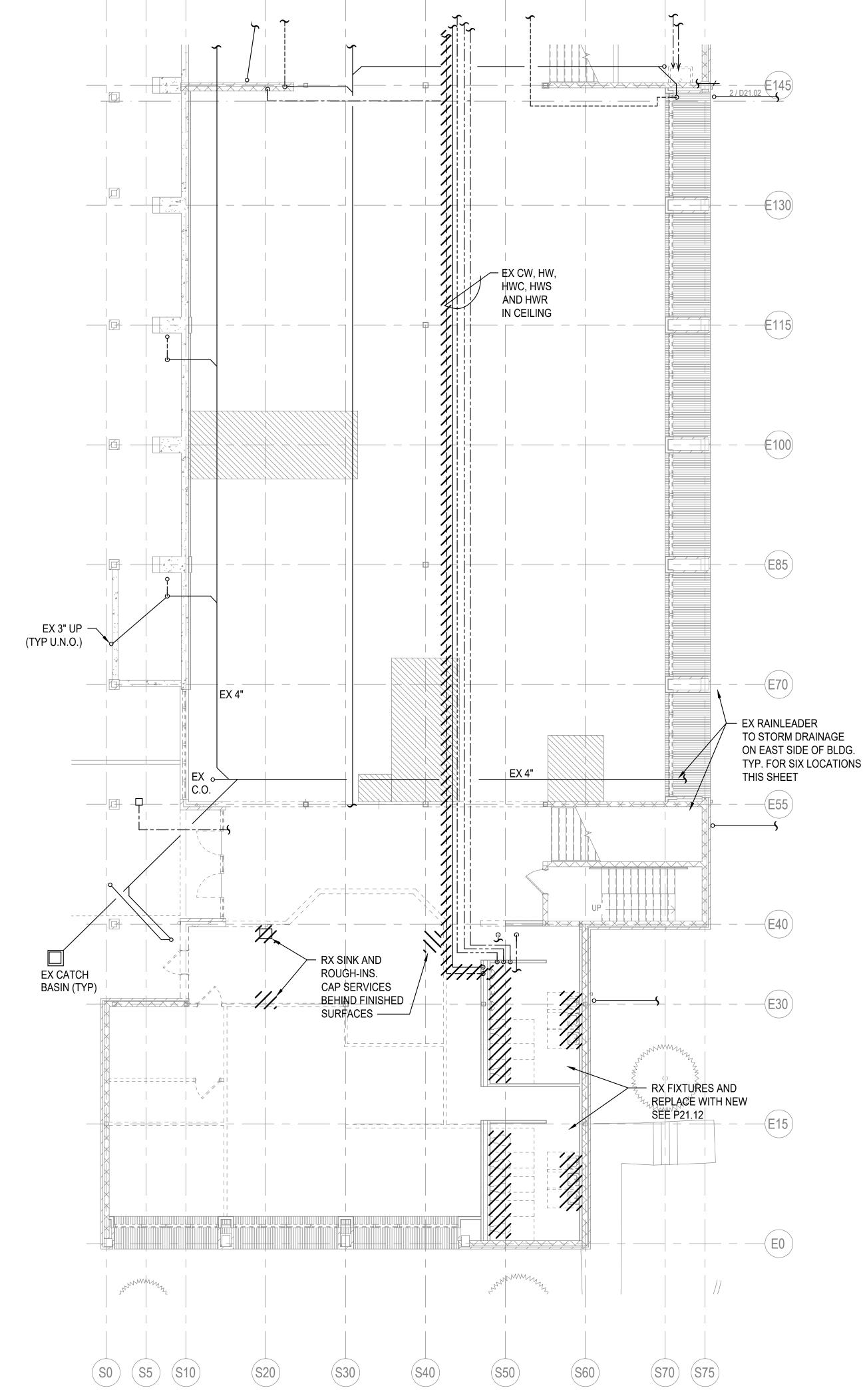
E220

E205

(S70)



LEVEL 1 DEMOLITION FLOOR PLAN - NORTH SCALE: 1/8'=1'-0'



LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH SCALE: 1/8\*=1'-0"

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900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

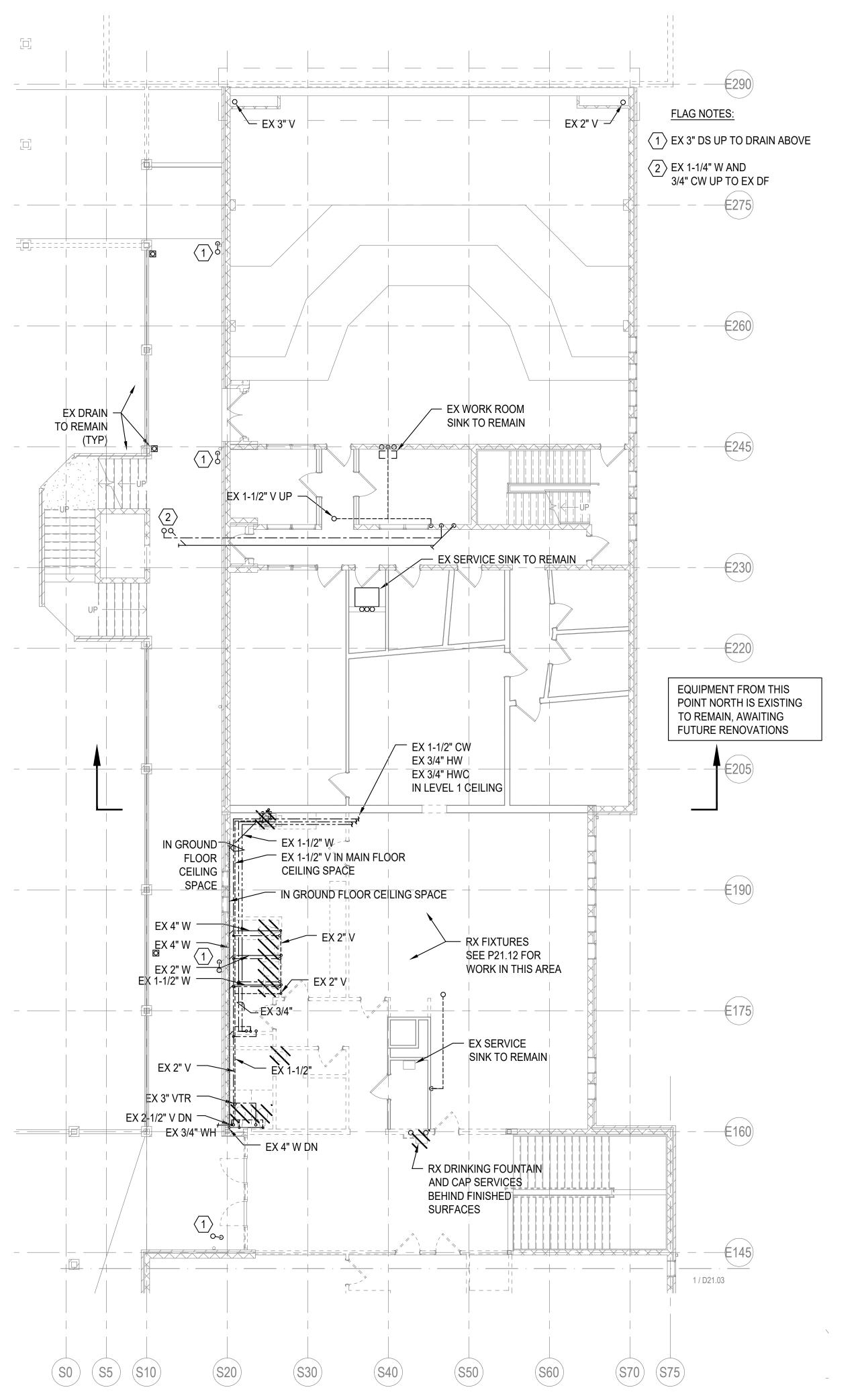
PERMIT SET

ISSUE DATE DECEMBER 24, 2019

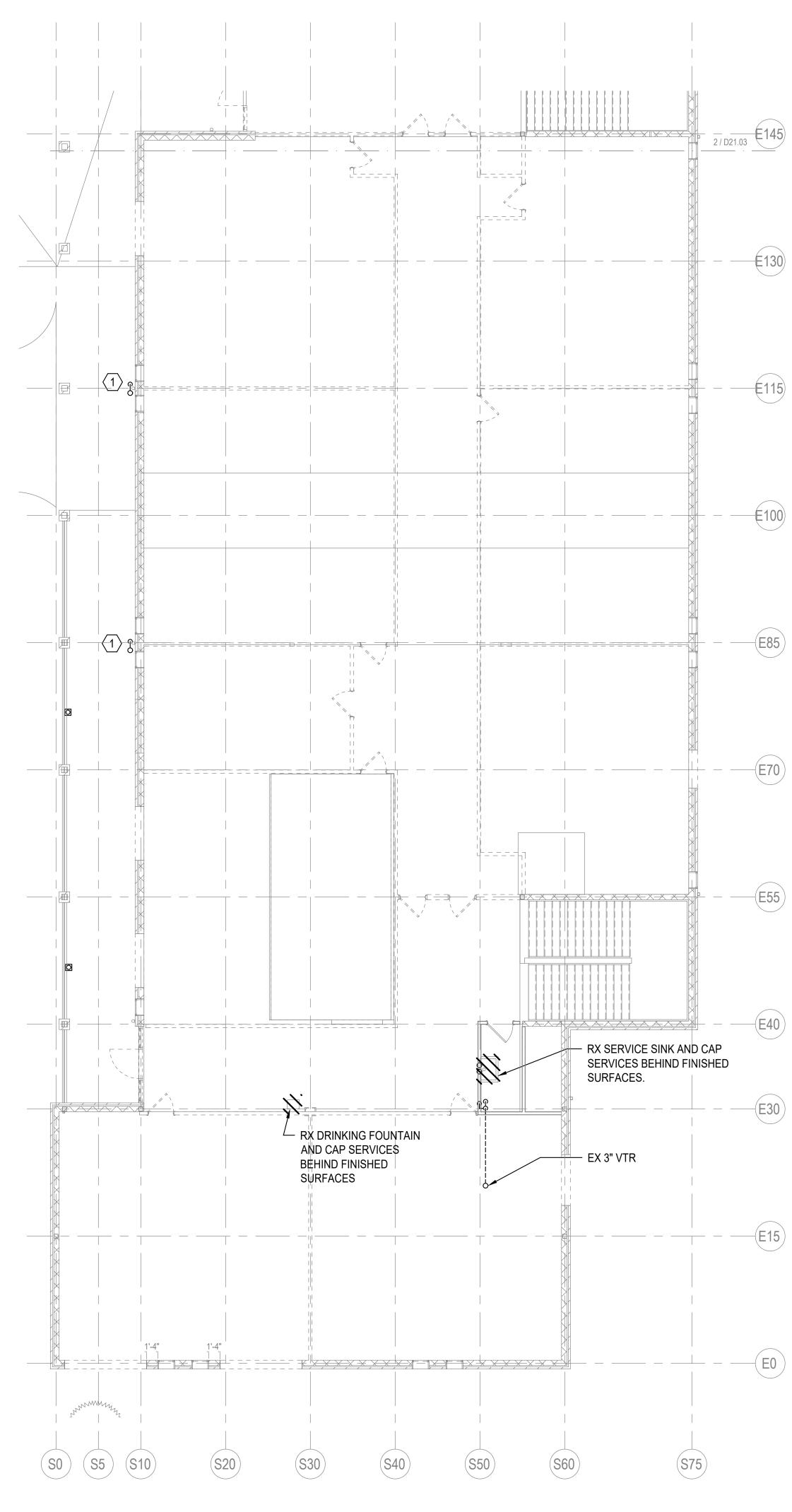
REVISION SCHEDULE

LEVEL 1 DEMOLITION
FLOOR PLAN

P21.02



LEVEL 2 DEMOLITION FLOOR PLAN - NORTH SCALE: 1/8"=1'-0"



LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH SCALE: 1/8"=1'-0"

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CKSD/ 900 BUILDING

PROJECT# 18100 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** LEVEL 2 DEMOLITION

FLOOR PLAN

SHEET#

P21.03

## BASEMENT FLOOR PLAN SCALE: 1/8'=1'-0'



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## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#		18100
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BASEMENT FLOOR PLAN

SHEET#

P21.11

LEVEL 1 FLOOR PLAN - SOUTH
SCALE: 1/8'=1'-0'

(S50)

EX CW DN TO -URINALS AND WC'S

(S30)

(S20)

(S5)

(WC-2)

CKSD/ KRL
BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

900

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REVISION SCHEDULE

LEVEL 1 FLOOR PLAN

\_\_\_\_E0

WC-1

TO EX WATER, WASTE AND VENT SERVICES

(S70)

CONNECT NEW FIXTURES IN 103, 105, 108, 109 AND 138

IN THIS AREA. SEE FIXTURE CONNECTION SCHEDULE

P21.12

(S50)

S30

S40

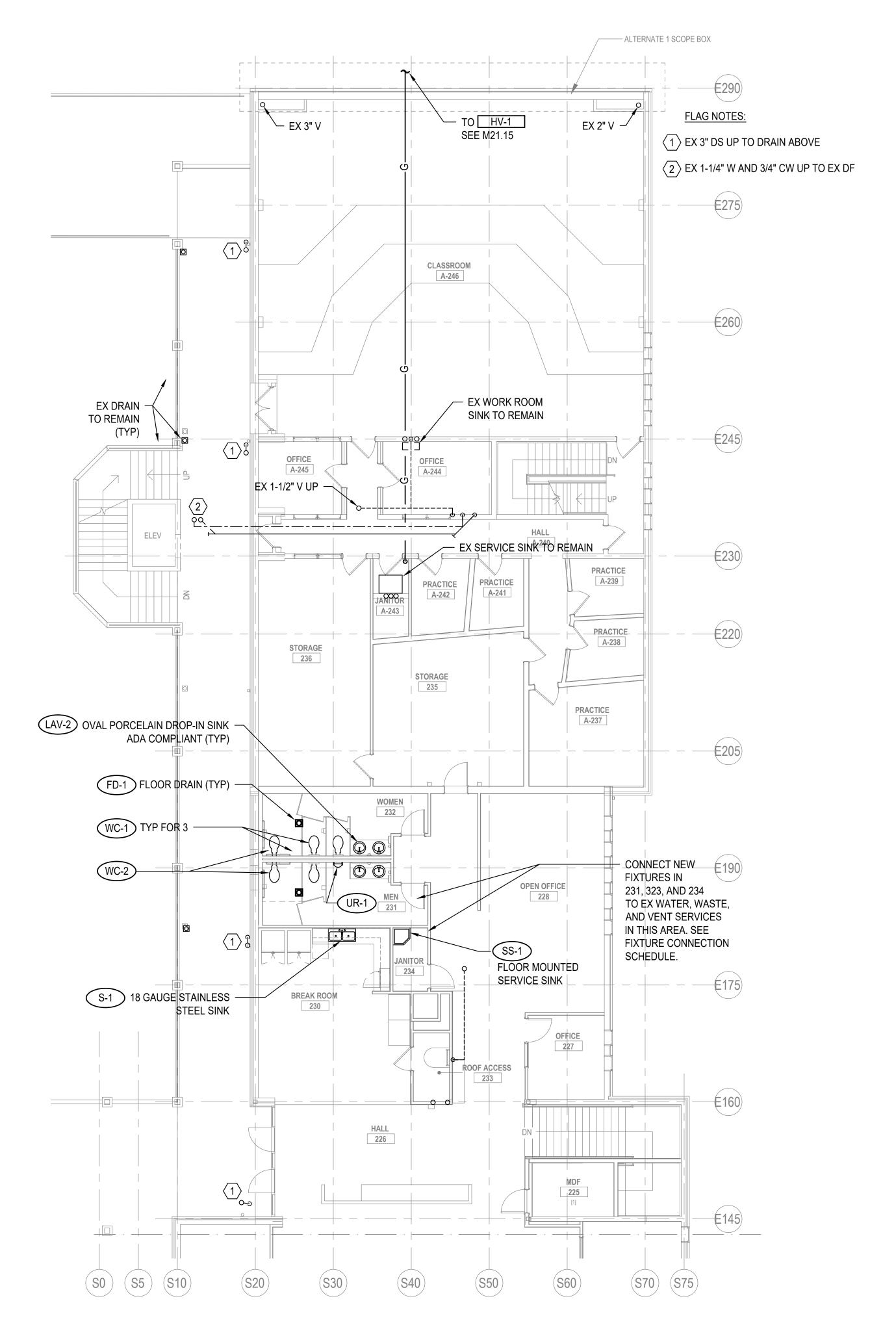
(S20)

(S5)

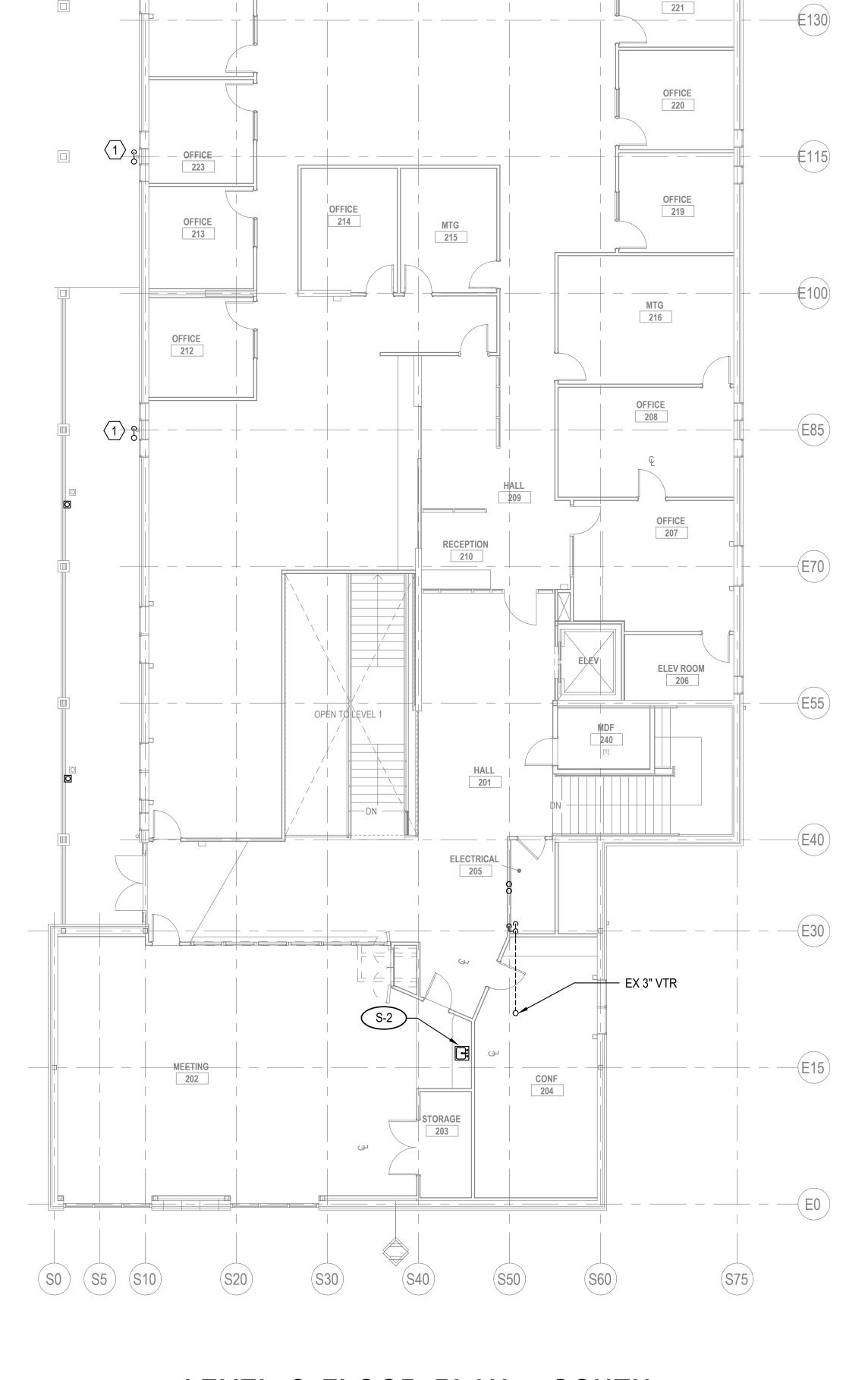
<del>-----</del>

S60

(S70) (S75)



LEVEL 2 FLOOR PLAN - NORTH SCALE: 1/8"=1'-0"



**OPEN OFFICE** 

211

224

LEVEL 2 FLOOR PLAN - SOUTH SCALE: 1/8"=1'-0"

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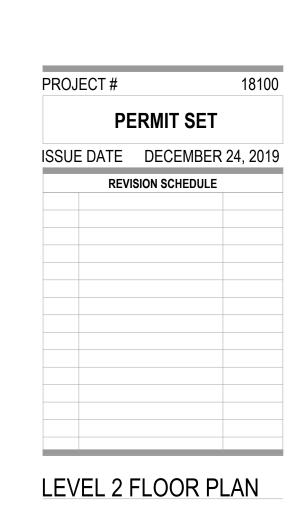
OFFICE 222

OFFICE 221

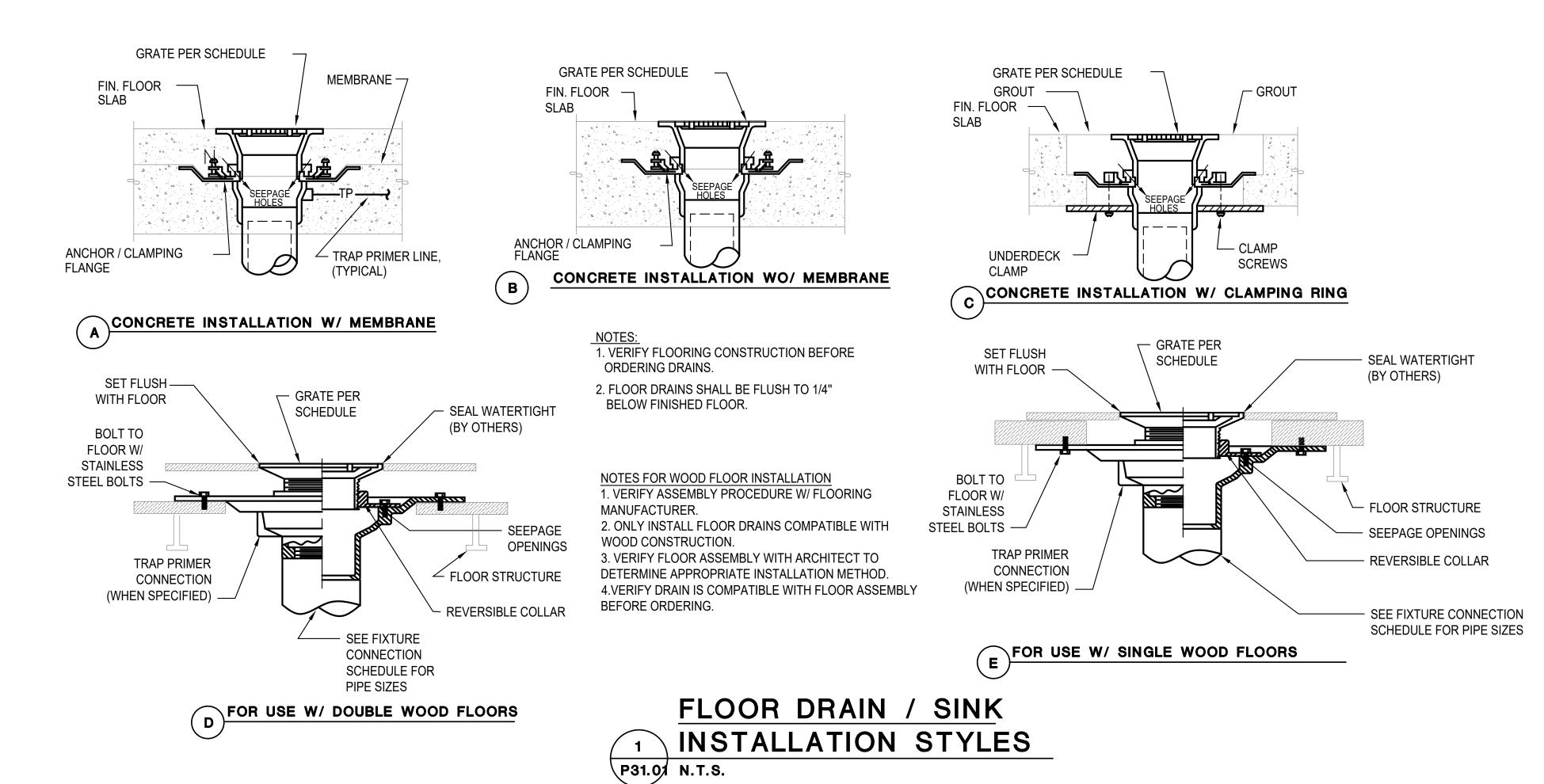
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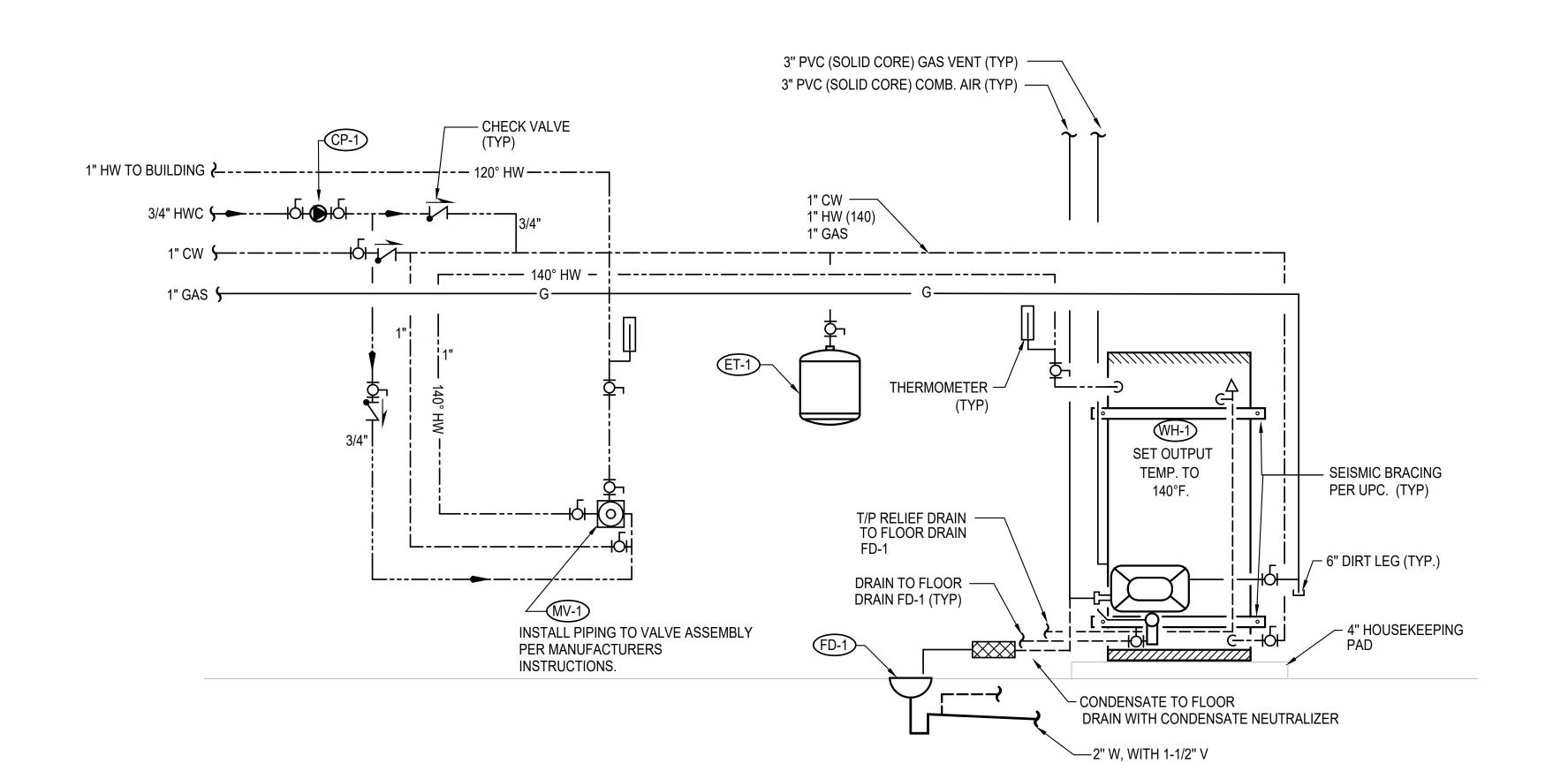


RENOVATION ERSON HILL RD CKSD/ KRL
900 BUILDING RENOVA
3700 NW ANDERSON HILL RI
SILVERDALE, WA 98383

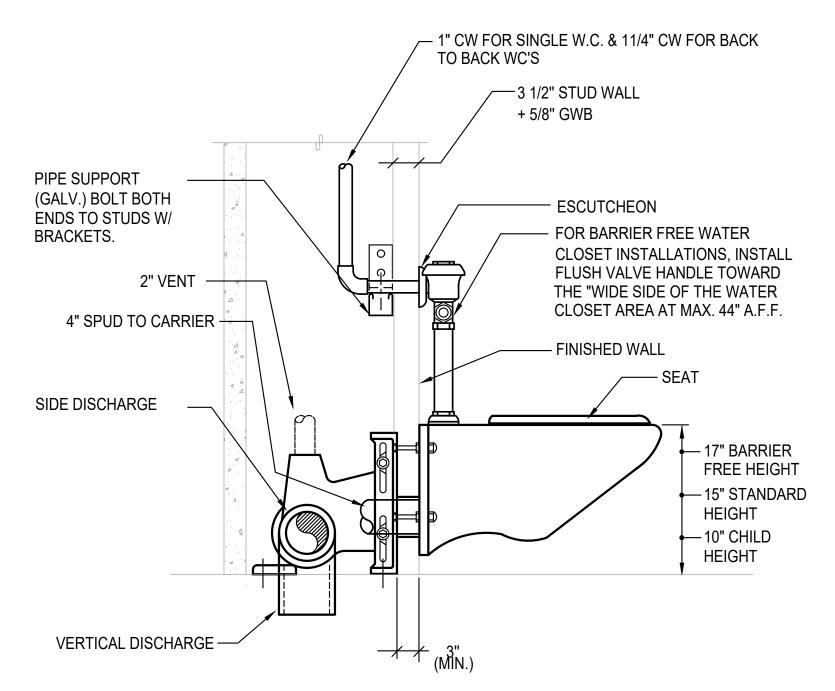


SHEET# P21.13









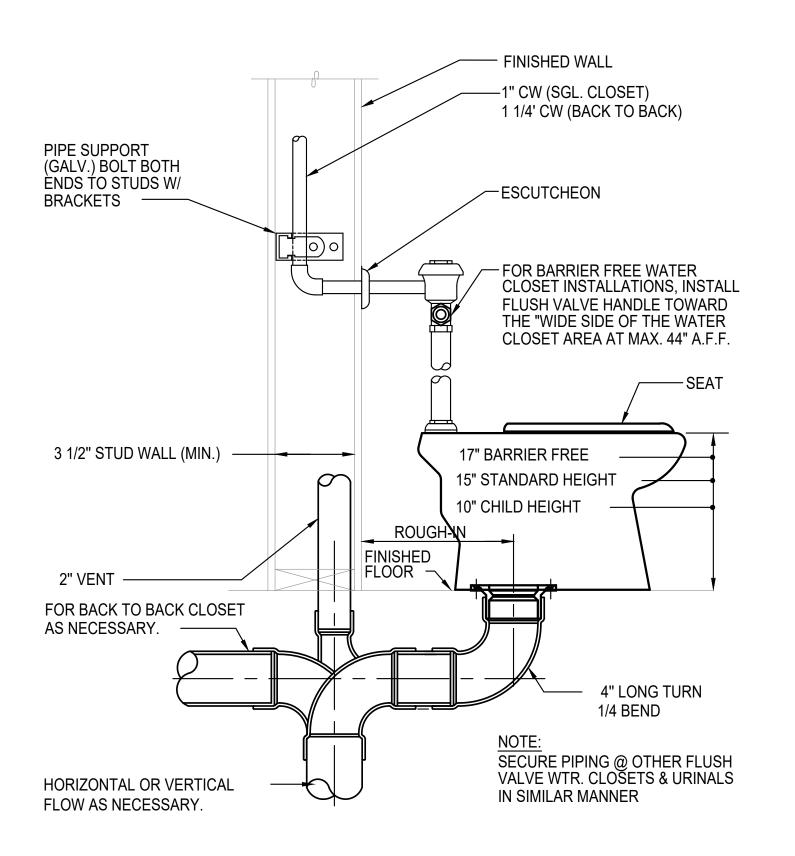
NOTES

1. SECURE PIPING @ OTHER WATER CLOSETS & URINALS IN SIMILAR MANNER

2. PROVIDE SIMILAR INSTALLATION FOR BACK TO BACK FIXTURES USING BACK TO BACK STYLE CARRIER.

3. PROVIDE HORIZONTAL OR VERTICAL CARRIER AS NECESSARY TO FIT CHASE WIDTH. VERIFY WIDTH ON ARCH DRAWINGS.

## WALL HUNG FLUSH VALVE WATER CLOSET INSTALLATION DETAIL P31.05 N.T.S.

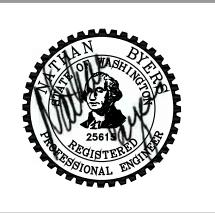




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## 900 BUILDING RENOVATION

PERMIT SET

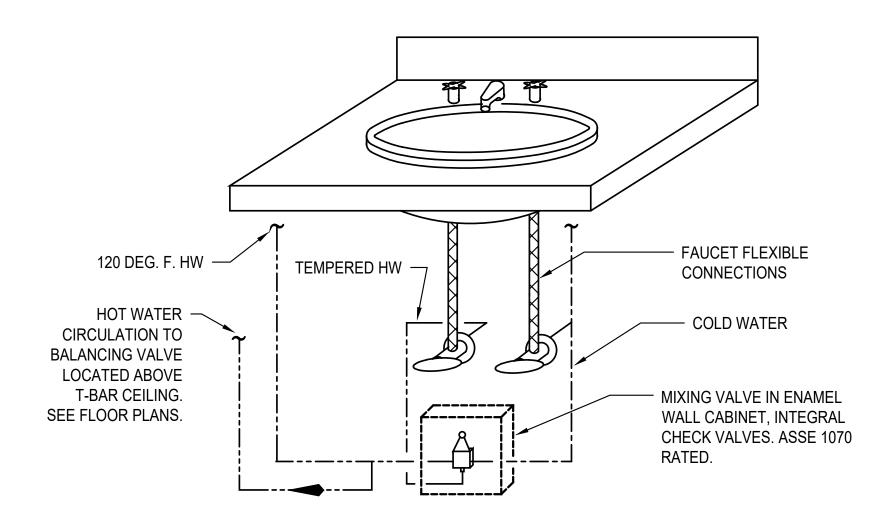
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

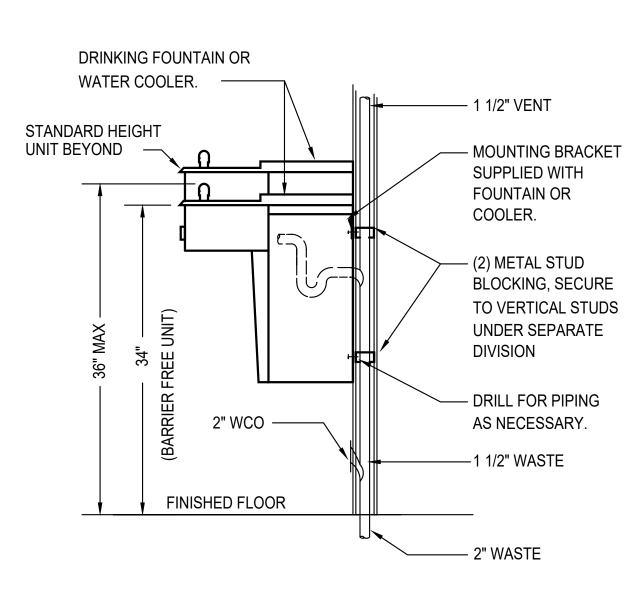
DETAILS

SHEET#

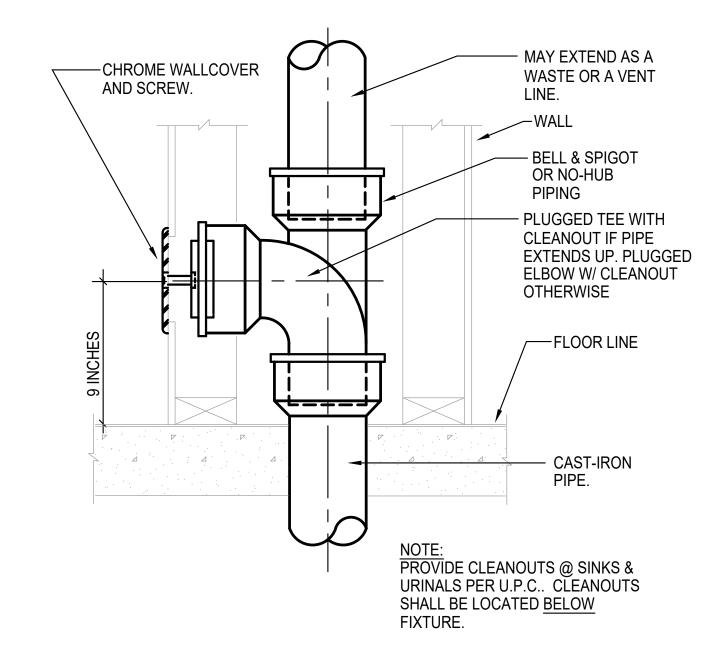
NOTE:
PROVIDE INSULATED P-TRAP AND
SUPPLY COVERS AT ALL EXPOSED
P-TRAPS AND SUPPLIES PER ADA
STANDARDS.



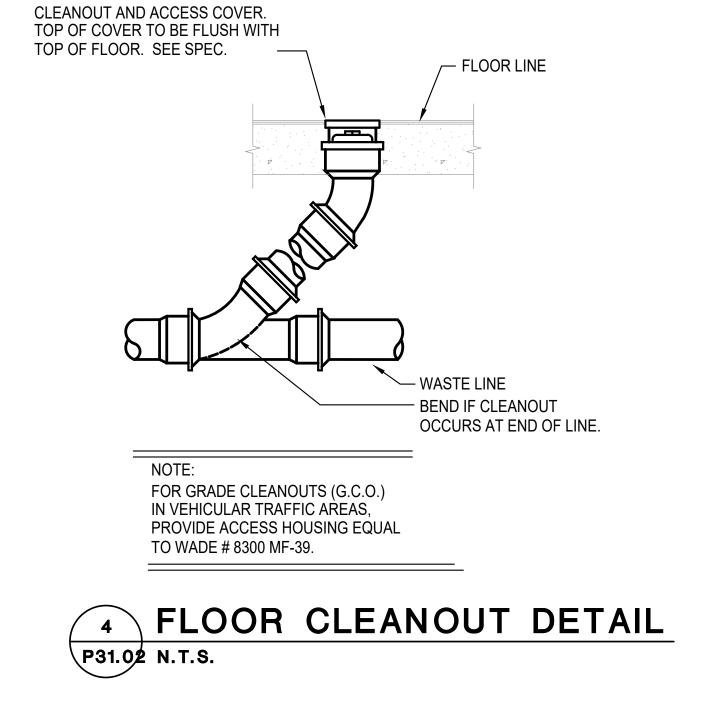


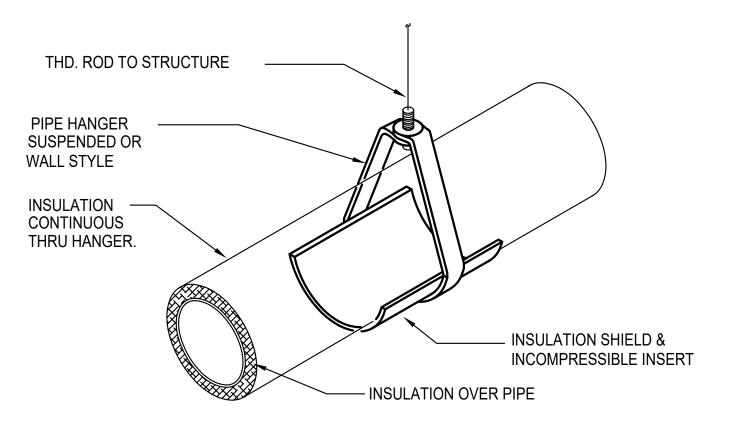


WATER COOLER DETAIL
P31.02 N.T.S.



3 WALL CLEANOUT DETAIL
P31.02 N.T.S.





NOTE: INSULATE & LABEL PIPING PER. SPEC.





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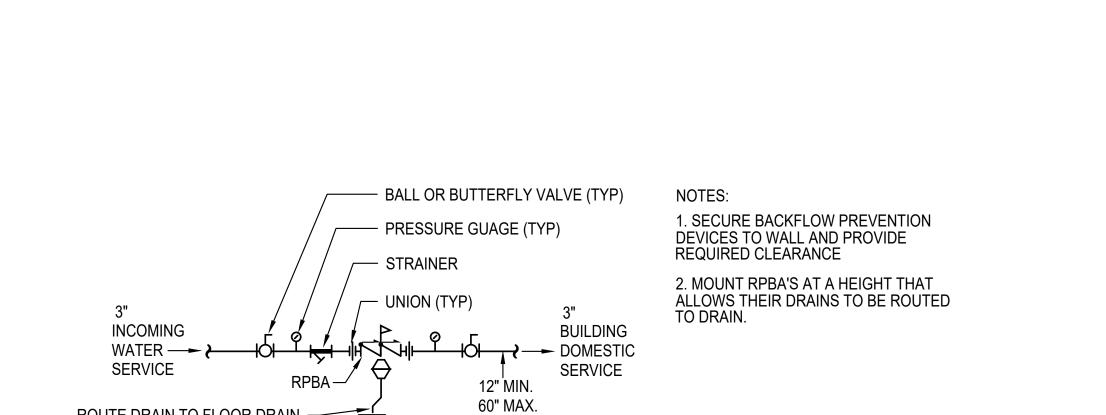


## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT#		18100	
PERMIT SET			
SSUE DATE	DECEMBER	24, 2019	
REVI	SION SCHEDULE		

ROUTE DRAIN TO FLOOR DRAIN

FUNNEL



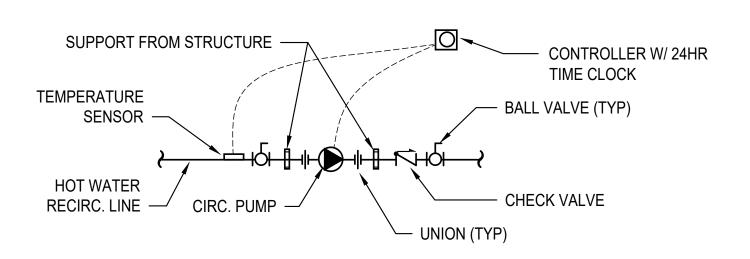
FLOOR

WATER	R SERVICE S	CHEDULE		
MARK	MAKE	MODEL	SIZE	NOTES
RPBP #1	WATTS	009	2"	TWO IN DUPLEX CONFIGURATION
NOTES:				

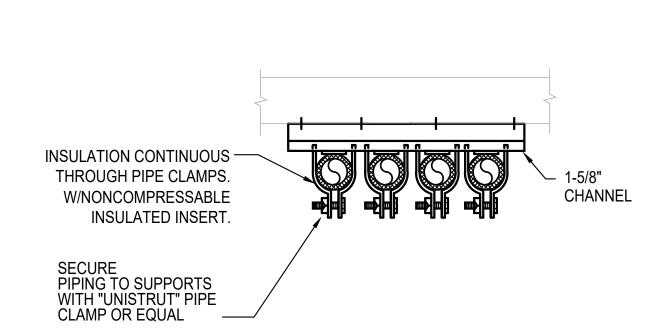
P31.03

INCOMING WATER SERVICE DETAIL

P31.03 N.T.S.







NOTE: QUANTITY OF PIPES SHOWN REPRESENTATIVE ONLY, PROVIDE QUANTITY OF PIPES REQUIRED.





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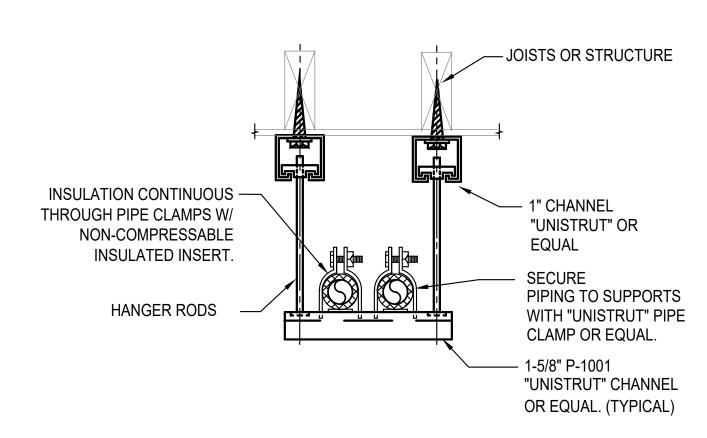
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360-377-8773 RFMARCH.COM

PROJECT #		181
PE	RMIT SET	
SSUE DATE	DECEMBER	24, 20
REVI	SION SCHEDULE	
DETAILS		

NOTE: VERIFY SIZING FOR SPECIFIC APPLICATION W/ STRUCTURAL ENGINEER.

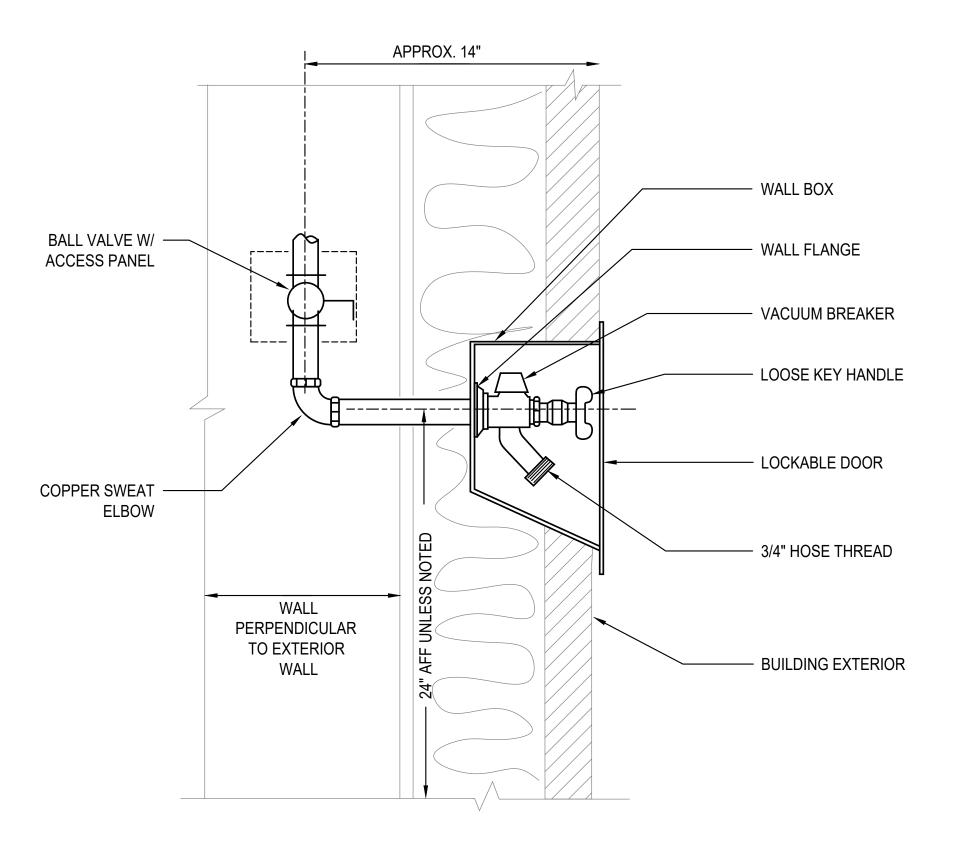
## WATER HEATER/ STORAGE TANK SEISMIC BRACING P31.04 N.T.S.



NOTE: QUANTITY OF PIPES SHOWN REPRESENTATIVE ONLY, PROVIDE QUANTITY OF PIPES REQUIRED.



P31.04 N.T.S.



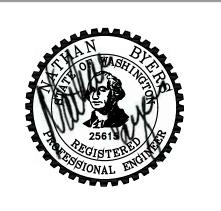


ARCHITECTURE INTERIORS PLANNING VIELAB
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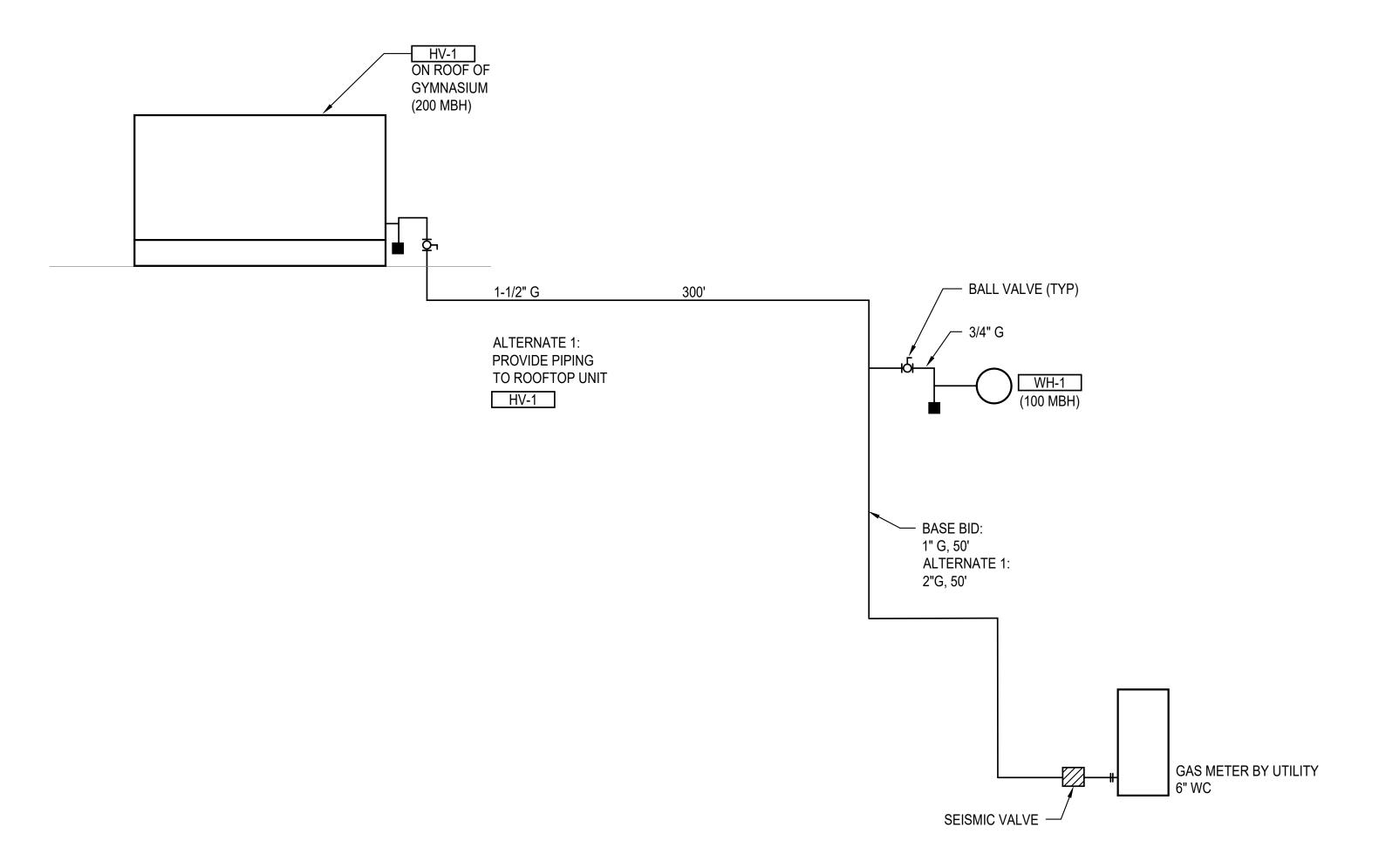
## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SII VFRDALF, WA 98383

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

DETAILS

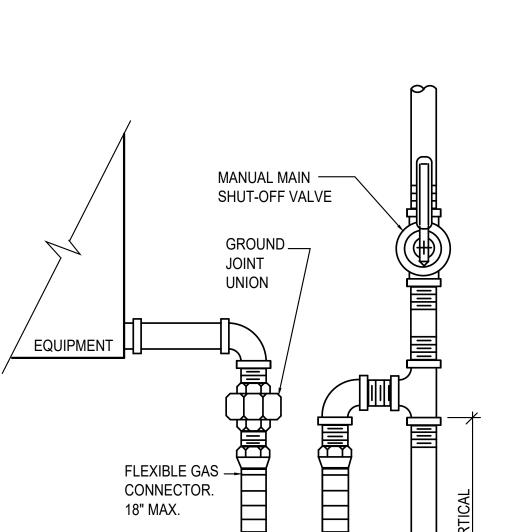












GAS LINE

CONNECTION DETAIL

P31.05 N.T.S.

CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

PROJECT#		181
PE	RMIT SET	
SSUE DATE	DECEMBER	24, 20
REVI	SION SCHEDULE	

**Reviewed for Code Compliance** Kitsap County Building/ Fire Marshals 06/23/20203:19:52 PM kwlodarchak

## ELECTRICAL SYMBOLS LEGEND

REFERENCE SYMBOLS	S	POWER SYSTEMS	SYMBOLS SYMBOLS LEGE	CONTROL SYMBOLS	
	DETAIL NUMBER		PANELBOARD: SURFACE, FLUSH MOUNTED.	M	MOTORIZED CONTROL DAMPER
E-1	SHEET		DASHED LINE = CLEARANCE (TYPICAL)	Φ	THERMOSTAT
	FLAG NOTE		ELECTRICAL DISTRIBUTION EQUIPMENT. SEE PLANS FOR TYPE, DIMENSIONS, NAME, ETC. DASHED LINE = CLEARANCE (TYPICAL)	\$ 2PDX ab,c	WALL SWITCH / LOW VOLTAGE WALL STATION. SUPERSCRIPT INDICATES SWITCH TYPE (BELOW). SUBSCRIPT INDICATES SWITCHLEGS / RELAYS
	REVISION TAG	$\bigcirc$	CONNECTION TO EQUIPMENT BY OTHERS		CONTROLLED; FOR MULTI-POLE WALL STATIONS, CONTROL FOR EACH POLE SEPARATED BY
AHU-1	MECHANICAL EQUIPMENT	NO NO	CONNECTION TO MOTOR		COMMA (I.E. SWITCHLEGS a AND b CONTROLLED BY ONE POLE, c ANOTHER).
		<b>₽</b>	DISCONNECT SWITCH, FUSED	\$ OR	OVERRIDE SWITCH FOR CENTRAL TIME SWEEP
	SECTION NUMBER SHEET NUMBER	©B <b>-</b>	DISCONNECT SWITCH, CB	D D	SYSTEM, TYPICAL WALL DIMMER LINE VOLTAGE, 1-POLE
		ㅁ	DISCONNECT SWITCH	\$ \$	WALL SWITCH, LINE VOLTAGE, 1-POLE
		VFD	VARIABLE FREQUENCY DRIVE	<b>\$</b> 3	WALL SWITCH, LINE VOLTAGE, 3-WAY
<xx ka<="" td=""><td>FAULT CURRENT TAG</td><td>수</td><td>EMERGENCY POWER OFF BUTTON</td><td><b>\$</b><sup>4</sup></td><td>WALL SWITCH, LINE VOLTAGE, 4-WAY</td></xx>	FAULT CURRENT TAG	수	EMERGENCY POWER OFF BUTTON	<b>\$</b> <sup>4</sup>	WALL SWITCH, LINE VOLTAGE, 4-WAY
		-	GROUND BAR	\$ <sup>TS</sup>	WALL SWITCH, LINE VOLTAGE, TIMER SWITCH
FIRE ALARM SYMBOLS		•	GROUND ROD	<b>\$</b> <sup>K</sup>	WALL SWITCH, LINE VOLTAGE, KEY OPERATED
- OR	COMBINATION SMOKE/FIRE DAMPER	φ	JUNCTION BOX: WALL, FLOOR AND CEILING MTD	\$ 1P	LOW VOLTAGE WALL STATION, 1-POLE, ON/OFF
FACP	FIRE ALARM CONTROL PANEL		RECEPTACLE, DUPLEX: WALL, FLOOR AND CLG MTD; PARALLEL SHADED = HALF-SWITCHED	\$ <sup>DX</sup>	LOW VOLTAGE WALL STATION, 1-POLE, ON/OFF AND RAISE/LOWER
FARA	FIRE ALARM REMOTE ANUNCIATOR	#	RECEPTACLE, DUPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE	\$ <sup>2P</sup>	LOW VOLTAGE WALL STATION, 2-POLE, ON/OFF
꾸 ®D	FIRE ALARM STROBE LIGHT FIRE ALARM SMOKE DETECTOR		RECEPTACLE, DOUBLE DUPLEX: WALL, FLOOR AND CLG MTD; PARALLEL SHADED = HALF-SWITCHED	\$ <sup>2PDX</sup>	LOW VOLTAGE WALL STATION, 2-POLE, ON/OFF AND RAISE/LOWER
		#	RECEPTACLE, DOUBLE DUPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE	\$ <sup>4P</sup>	LOW VOLTAGE WALL STATION, 4-POLE, ON/OFF
<b>S</b> C	FIRE ALARM COMBINATION SMOKE DETECTOR / CARBON MONOXIDE ALARM	φΦΦ	RECEPTACLE, SIMPLEX: WALL, FLOOR AND CLG MTD	\$ <sup>4PDX</sup>	LOW VOLTAGE WALL STATION, 4-POLE, ON/OFF AND RAISE/LOWER
WIRING SYMBOLS	BREAK (CONTINUATION)	φ	RECEPTACLE, SIMPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE	<u>oş</u>	COMBINATION OCCUPANCY SENSOR SWITCH, WALL-MOUNTED
	CAP		SPECIALTY RECEPTACLE: WALL, FLOOR AND CLG	<u>(S)</u> (S)	OCCUPANCY SENSOR: WALL, CLG MTD
	STUB DOWN	9 9 🕱	MTD. NEMA TYPE AS INDICATED ON PLANS.	©	PHOTO CELL, CLG MTD
O	STUB UP	Ф 702	TYPICAL DEVICE ANNOTATIONS: ON ALTERNATE POWER: 700, 701 AND 702 SYSTEMS		COMBINATION PHOTO CELL / OCCUPANCY SENSOR: WALL, CLG MTD
	CONDUIT / CABLING CONCEALED UNDERGROUND OR IN CEILING SPACE OF LEVEL BELOW		PER NEC	RISER DIAGRAM SYMBOLS	
	CONDUIT / CABLING CONCEALED UNDERGROUND OR IN CEILING SPACE OF LEVEL BELOW	Ф <sup>WP</sup> Ф <sup>GFI</sup>	WEATHERPROOF GFCI TYPE	100AT   ( 50AT	CIRCUIT BREAKER, ENCLOSED CIRCUIT BREAKER AT = TRIP AMPACITY
—	GROUNDING CONDUCTOR(S) PER CODE	LOW VOLTAGE SY	STEMS SYMBOLS	<u> </u>	GFP = GROUND FAULT PROTECTION PER CODE
~~~~~	FLEXIBLE CONDUIT	<b>•</b>	PUSHBUTTON. WALL-MOUNTED.	100AF	FUSED SWITCH. AF= FUSE RATING
		o o a	JUNCTION BOX: WALL, FLOOR AND CEILING MTD	~~~	SWITCH
LUMINAIRE SYMBOLS	SHADING AND/ OR "EM" INDICATES EMERGENCY		COMBINATION RF COAX / PHONE OUTLET WALL, FLOOR AND CEILING MTD	<del>-</del> //-	CONTACTOR/ RELAY - NORMALLY CLOSED
●EM EM	EGRESS LUMINAIRES	▼ ⑦ 须	COMBINATION DATA / PHONE OUTLET WALL, FLOOR AND CEILING MTD		CONTACTOR/ RELAY - NORMALLY OPEN  CONTACTOR COIL
FL1 FL1	TYPICAL LUMINAIRE ANNOTATIONS:	$\nabla \otimes \nabla$	DATA OUTLET WALL, FLOOR AND CEILING MTD	38	POTENTIAL TRANSFORMER. GROUND PER CODE.
3a 3-Z1.2	FL1 = LUMINAIRE TYPE 3 = CIRCUIT NUMBER c = SWITCH LEG Z1.2 = CONTROL ZONE	▼ • •	PHONE OUTLET WALL, FLOOR AND CEILING MTD	) )C $\hat{\tau}$	CURRENT TRANSCORMER
			RF COAX CABLE OUTLET WALL, FLOOR AND CEILING MTD		CURRENT TRANSFORMER
		+04 04	CCTV SECURITY CAMERA; FIXED WALL AND CEILING MTD		UTILITY METER SOCKET WITH METER; PER
		CR CR	CARD / FOB READER WALL/ MULLION AND BOLLARD MTD	<u></u> <u>∓</u>	UTILITY REQUIREMENTS; REMOTE MOUNTED.  CONNECTION TO GROUND
		KP KP	KEYPAD WALL/ MULLION AND BOLLARD MTD	0000000	GROUND BAR
		<u></u>	SECURITY DOOD DOSITION MONITOR		PIPE GROUND PER CODE
		DS ES	SECURITY DOOR POSITION MONITOR  ELECTRIC STRIKE		UFER GROUND PER CODE

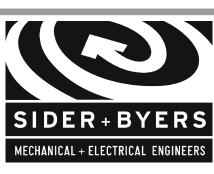
Permit Number: 19-05911

## 

	ABE	BREVIA	TIONS
A, AMP	AMPERES	LBS	POUNDS
AB	ABOVE BACKSPLASH	LCP	LIGHTING CONTROL PANEL
AC ACT	ALTERNATING CURRENT ACOUSTICAL CEILING TILE	LCZ LF	LIGHTING CONTROL ZONE LINEAL FOOT
ADA	AMERICANS WITH DISABILITIES ACT	LRA	LOCKED ROTOR AMPS
ADJ	ADJUSTABLE	LTG	LIGHTING
AF AFF	AMPERE RATING OF FUSE OR CB FRAME ABOVE FINISHED FLOOR	MAX	RAA YIRALIRA
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	MCA	MAXIMUM MINIMUM CIRCUIT AMPACITY
AIC	AMPERE INTERRUPTING CAPACITY,	MED	MEDIUM
A.I.	AMPERE INTERRUPTING RATING	MEP	MECHANICAL, ELECTRICAL
AL ALT	ALUMINUM (ALLOY) ALTERNATE		& PLUMBING
APPROX	APPROXIMATE	MEZZ	MEZZANINE
ARCH	ARCHITECTURAL/ARCHITECT	MIN	MINIMUM OR MINUTE
AS AT	AMPERE RATING OF SWITCH CB TRIP SETTING (AMPS)	MISC MLO	MISCELLANEOUS MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MNT	MOUNTED
AUTO	AUTOMATIC	MOCP	MAXIMUM OVERCURRENT PROTECTION
AUX AWG	AUXILIARY AMERICAN WIRE GAUGE	N/A	NOTAPPLICABLE
		N	NEUTRAL
BFF BHP	BELOW FINISHED FLOOR	NC NEC	NORMALLY CLOSED  NATIONAL ELECTRICAL CODE
BLDG	BRAKE HORSE POWER BUILDING	NEC -, NEG	NEGATIVE
		NEMA	NATIONAL ELECTRICAL MANUFACTURERS'
C CB	CONDUIT CIRCUIT BREAKER	NIC	ASSOCIATION NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NL	NGT IN CONTRACT NIGHT LIGHT (UNSWITCHED)
CKT	CIRCUIT	NO	NORMALLYOPEN
CLG	CEILING	NOM	NOMINAL NATIONAL PIPE THREAD
CO CO2	CARBON MONOXIDE  CARBON DIOXIDE	NPT NTS	NOT TO SCALE
CONN	CONNECTED		
CT	CURRENT TRANSFORMER	OC OCC	ON CENTER OCCURANCY
CU	COPPER	OCC OD	OCCUPANCY OUTSIDE DIAMETER
dB	DECIBEL	os	OCCUPANCY SENSOR
DC	DIRECT CURRENT	D	DOL 5
° OR DEG. DIA	DEGREE DIAMETER	P PC	POLE PHOTOCELL
DISC	DISCONNECT	PERF	PERFORATED
DIST	DISTRIBUTION	ΦOR PH	PHASE
DIV DN	DIVISION DOWN	PNL POC	PANELBOARD POINT OF CONNECTION
DP	DISTRIBUTION PANEL	PSF	POUNDS PER SQUARE FOOT
DWG(S)	DRAWING(S)	PSI	POUNDS PER SQUARE INCH
DZ EA	DAYLIGHT CONTROL ZONE (LIGHTING)  EACH	QTY	QUANTITY
EM	EMERGENCY (700 SYSTEM)	REQ	REQUIRED
EMT	ELECTRICAL METALLIC TUBING	RLX	RELOCATE EXISTING
EF EWC	EXHAUST FAN ELECTRIC WATER COOLER	RM RMC	ROOM RIGID METALLIC CONDUIT
EWH	ELECTRIC WATER HEATER	RNC	RIGID NON-METALLIC CONDUIT (PVC)
EX	EXISTING/EXISTING TO REMAIN	RPM	REVOLUTIONS PER MINUTE
FA	FIRE ALARM	RTU RV	ROOF TOP UNIT RELIEF VALVE
FACP	FIRE ALARM CONTROL PANEL	RX	REMOVE EXISTING
FARA FC	FIRE ALARM REMOTE ANUNCIATOR FOOTCANDLES	0.4	
FF FF	FINISHED FLOOR	SA SD	SUPPLY AIR SMOKE DETECTOR
FLA	FULL LOAD AMPS	SF	SQUARE FOOT
FLEX FP	FLEXIBLE FIRE PROTECTION	SPD SPEC	SURGE PROTECTION DEVICE SPECIFICATION
FPM	FEET PER MINUTE	S/S, OR SS	STAINLESS STEEL
FPS	FEET PER SECOND	STD	STANDARD
FSD FT	FIRE SMOKE DAMPER FEET/FOOT	SWBD	SWITCHBOARD
FTG	FOOTING	T&P	TEMPERATURE AND PRESSURE
FOIC	FURNISHED BYOWNER		RELIEF VALVE
FOIO	INSTALLED BY CONTRACTOR FURNISHED BY OWNER	TBD TC	TO BE DETERMINED TIMECLOCK
1 010	INSTALLED BYOWNER	TEL	TELEPHONE
		TELECOM	TELECOMMUNICATIONS
G, GND GA	GROUND GAUGE	TEMP TOB	TEMPERATURE TOP OF BEAM
GAL	GALLON	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOD	TOP OF LOOF
GC GEN	GENERAL CONTRACTOR GENERATOR	TOJ TOS	TOP OF JOIST TOP OF SLAB/TOP OF STEEL
GFI	GROUND FAULT CIRCUIT INTERRUPTER	T&P	TEMPERATURE & PRESSURE
GFP GRC	GROUND FAULT PROTECTION GALVANIZED RIGID STEEL CONDUIT	TSP TYP	TOTAL STATIC PRESSURE TYPICAL
Н	HEIGHT	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HTR	HEATER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HVAC	HEATING VENTILATING AND AIR CONDITIONING	UTR V	UP THROUGH ROOF  VOLT
HW HX	HOT WATER HEAT EXCHANGER	V VA	VOLTAMPS
HZ	HERTZ	VERT	VERTICAL
ID	INSIDE DIAMETED/DIMENSION	VFD VOI	VARIABLE FREQUENCY DRIVE
ID IESNA	INSIDE DIAMETER/DIMENSION ILLUMINATING ENGINEERING SOCIETY	VOL	VOLUME
•	OF NORTH AMERICA	W	WATT
IG IMC	ISOLATED GROUND	VV/	WITH
IMC IN	INTERMEDIATE METAL CONDUIT INCH/INCHES	W/IN W/O	WITHIN WITHOUT
		WP	WEATHERPROOF
KCMIL KO	THOUSAND CIRCULAR MILS KNOCK OUT	WT	WEIGHT
KW	KILOWATT/KILOWATTS	XFR	TRANSFORMER
KWH KVA	KILOWATT HOUR(S) KILOVOLT AMPS		



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# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT#	18100
PE	ERMIT SET
ISSUE DATE	DECEMBER 24, 2019
REVI	SION SCHEDULE

**COVER SHEET** 

## **ELECTRICAL COMMISSIONING NOTES**

- . BUILDING COMMISSIONING BY A CERTIFIED COMMISSIONING PROFESSIONAL (CCXP) SHALL BE COMPLETED FOR THE ELECTRICAL POWER AND LIGHTING SYSTEMS AND ENERGY METERING SYSTEMS ON THIS PROJECT IN ACCORDANCE WITH THE COMMERCIAL ENERGY CODE SECTION C408. THE GOAL OF COMMISSIONING IS TO VERIFY THAT EQUIPMENT, CONTROLS AND THE SEQUENCING OF SUCH OPERATE AS INTENDED. THE COMMISSIONING DOCUMENTATION THAT IS REQUIRED IS THE PROOF OF THIS OPERATION. THE FOLLOWING TASKS ARE REQUIRED FOR COMMISSIONING.
- 2. COMMISSIONING PLAN: THE CCXP SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND COMMISSIONING AGENT AS REQUIRED TO ASSIST IN DEVELOPING THE COMMISSIONING PLAN. SEE SECTION C408.1.2 IN THE WASHINGTON STATE ENERGY CODE: LISTED ITEMS 1 THROUGH 4 SHALL BE PREPARED AND SUBMITTED WITH THE CONSTRUCTION DRAWINGS; LISTED ITEMS 5 THROUGH 8 SHALL BE PREPARED AND SUBMITTED WITH THE
- 3. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE CCXP. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND COMMISSIONING AGENT AS REQUIRED TO COMPLETE THE TEST PROCEDURES AND FINALIZE THE REPORT. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
- A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL ELECTRICAL INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
- A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL

  4. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M

  MANUALS, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED
- 5. RECORD DRAWINGS: SEE SPECIFICATIONS FOR REQUIREMENTS.
- OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING (SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS).
- A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE.
- B. LUMINAIRE PACKAGE WITH FINAL LUMINAIRES AND LAMPS (AS APPLICABLE) USED ON THE PROJECT WITH SELECTED OPTIONS INDICATED.
- C. FINAL APPROVED DEVICE SUBMITTALS (RECEPTACLES, SWITCHES, ETC)
- D. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
- E. NAME AND ADDRESS OF SERVICE AGENCY.
- F. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
- G. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
- 7. SYSTEM START UP: THE ELECTRICAL CONTRACTOR SHALL ENGAGE A CERTIFIED FACTORY SERVICE TECHINICIAN TO START UP ALL LIGHTING CONTROLS SYSTEMS AND ENERGY METERING SYSTEMS ON THE PROJECT. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 8. ELECTRICAL POWER AND LIGHTING SYSTEMS COMMISSIONING: ELECTRICAL POWER AND LIGHTING SYSTEMS SUBJECT TO SECTION C405 OF THE WASHINGTON STATE ENERGY CODE SHALL BE INCLUDED IN THE COMMISSIONING PROCESS PER SECTIONS C408.1 AND C408.3.
- 9. OWNER TRAINING: PROVIDE SYSTEM/ EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED.
- 10. FINAL COMMISSIONING REPORT: THE CCXP SHALL COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE: A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR
- B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.
- 11. BUILDINGS OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT. THIS MAY BE ACCOMPLISHED BY SUBMITTING THE COMMISSIONING COMPLIANCE
- 12. THE ELECTRICAL CONTRACTOR SHALL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE PRELIMINARY COMMISSIONING REPORT HAS BEEN APPROVED BY THE ENGINEER.

## ELECTRICAL ENERGY CODE NOTES

- 1. SEE THE LUMINAIRE SCHEDULE, LIGHTING AND RECEPTACLE CONTROL DRAWING, AND THE LIGHTING PLANS FOR LIGHTING AND LIGHTING CONTROL REQUIREMENTS. SYSTEMS SHALL MEET THE REQUIREMENTS OF C405.2 AND C405.4.
- 2. OCCUPANCY SENSORS SHALL FAIL ON AND AUTOMATICALLY TURN OFF LUMINAIRES IN THEIR COVERAGE AREA WITHIN 30 MINUTES OF ALL OCCUPANCTS LEAVING THE SPACE UNLESS NOTED OTHERWISE ON THE PLANS. SEE LIGHTING CONTROL SCHEDULES FOR ADDITIONAL FUNCTIONALITY REQUIREMENTS.
- 3. EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

ILLUMINATION ARE UNOCCUPIED. SEE LIGHTING PLANS.

- 4. LUMINAIRES IN ALL DAYLIGHT ZONES AS DEFINED BY THE ENERGY CODE SHALL BE PROVIDED WITH DIMMING CAPABILITIES. LUMINAIRES WITHIN THE PRIMARY AND SECONDARY DAYLIGHT ZONES SHALL AUTOMATICALLY DIM IN RESPONSE TO AVAILABLE DAYLIGHT PER CODE REQUIREMENTS.
- 5. LUMINAIRES IN THE PRIMARY AND SECONDARY DAYLIGHT ZONES SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER AND OF NON-DAYLIGHT AREAS; SEE LIGHTING PLANS FOR SPECIFIC CONTROL REQUIREMENTS FOR EACH SPACE. LUMINAIRES IN TOPLIGHT DAYLIGHT ZONES SHALL BE CONTROL SEPARATELY FROM LUMINAIRES IN SIDELIGHT DAYLIGHT ZONES
- 6. DAYLIGHT RESPONSIVE CONTROLS WITHIN EACH SPACE SHALL BE CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS EACH THAT ZONE AND SO THAT THEY CAN BE CALIBRATED FROM WITHIN THAT SPACE BY AUTHORIZED BERSONNEL: CALIBRATION MECHANISMS SHALL BE READILY ACCESSIBLE
- PERSONNEL; CALIBRATION MECHANISMS SHALL BE READILY ACCESSIBLE.

  7. DAYLIGHT RESPONSIVE CONTROLS SHALL INCORPORATE TIME-DELAY CIRCUITS TO PREVENT CYCLING OF LIGHT LEVEL
- CHANGES OF LESS THAN THREE MINUTES.

  8. A SINGLE DAYLIGHT RESPONSIVE CONTROL SHALL NOT CONTROL AN AREA LARGER THAN 2,500 SQUARE FEET.

  9. OCCUPANT OVERRIDE OF DAYLIGHT DIMMING CONTROLS IS NOT PERMITTED OTHER THAN TO REDUCE LIGHT OUTPUT FROM
- THE LEVEL ESTABLISHED BY THE DAYLIGHTING CONTROLS.

  10. LUMINAIRES SERVING THE EXIT ACCESS AND PROVIDING MEANS OF EGRESS ILLUMINATION REQUIRED BY THE IBC SHALL BE CONTROLLED BY A COMBINATION OF LISTED EMERGENCY RELAY AND OCCUPANCY SENSORS OR SIGNAL FROM ANOTHER BUILDING CONTROL SYSTEM THAT AUTOMATICALLY SHUTS OFF THE LIGHTING WHEN THE AREAS SERVED BY THAT
- 11 EXTERIOR LUMINAIRES THAT ARE INTENDED TO LIGHT THE BUILDING FAÇADE OR LANDSCAPE SHALL HAVE CONTROLS THAT AUTOMATICALLY SHUT OFF THE LIGHTING AS A FUNCTION OF DAWN / DUSK AND A SET OPENING AND CLOSING TIME.
- 12. EXTERIOR LUMINAIRES OTHER THAN BUILDING FAÇADE AND LANDSCAPE LIGHTING AND LIGHTING FOR COVERED VEHICLE ENTRANCES OR EXITS FROM BUILDINGS OR PARKING STRUCTURES SHALL HAVE CONTROLS CONFIGURED TO AUTOMATICALLY REDUCE CONNECTED LIGHTING POWER BY AT LEAST 30 PERCENT FROM NO LATER THAN MIDNIGHT TO 6AM OR FROM ONE HOUR AFTER BUSINESS CLOSING TO ONE HOUR BEFORE BUSINESS OPENING OR DURING ANY PERIOD WHEN NO ACTIVITY HAS BEEN DETECTED FOR A PERIOD OF NO LONGER THAN 15 MINUTES.
- 13. ELECTRICAL TRANSFORMERS, EXCEPT THOSE MEETING EXCLUSION REQUIREMENTS OF C405.6, SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLE C405.6 IN THE WASHINGTON STATE ENERGY CODE AS TESTED AND RATED IN ACCORDANCE WITH THE TEST PROCEDURE LISTED IN DOE 10 CFR 431.
- 14. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4) IN THE WASHINGTON STATE ENERY CODE. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM PER C405.8.
- 15. AT LEAST 50% OF ALL 125V, 15- AND 20-AMP RECEPTACLE INSTALLED IN PRIVATE OFFICES, OPEN OFFICES, CONFERENCE ROOMS, ROOMS USED PRIMARILY FOR PRINTING AND/OR COPYING, BREAK ROOMS, INDIVIDUAL WORKSTATIONS AND CLASSROOMS (INCLUDING THOSE INSTALLED IN MODULAR PARTITIONS AND MODULAR OFFICE WORKSTATION SYSTEMS)

  SHALL BE CONTROLLED AS REQUIRED BY SECTION C405.10 OF THE WASHINGTON STATE ENERGY CODE. SEE LIGHTING AND RECEPTACLE CONTROL SHEET AND POWER PLANS FOR ADDITIONAL INFORMATION.
- 16. THE TOTAL INTERIOR LIGHTING POWER OF THE BUILDING SHALL BE 75% OR LESS OF THE LIGHTING POWER VALUES SPECIFIED IN SECTION C405.4.2 OF THE WASHINGTON STATE ENERGY CODE AS PER C406.3. NOT LESS THAN 95% OF INTERIOR LIGHTING POWER FROM LAMPS IN PERMANENTLY INSTALLED LUMINAIRES IN DWELLING UNITS AND SLEEPING UNITS SHALL BE PROVIDED BY LAMPS WITH A MINIMUM EFFICIENCY OF 60 LUMENS PER WATT.
- 17. THE BUILDING SHALL BE COMMISSIONED PER THE REQUIREMENTS OF SECTION C408. SEE COMMISSIONING NOTES, THIS DWG.
- 18. ENERGY METERING SYSTEMS, WHEN INDICATED IN THE CONTRACT DOCUMENTS, SHALL MEET THE REQUIREMENTS OF SECTION C409 AND SHALL MEASURE, MONITOR, RECORD AND DISPLAY ENERGY CONSUMPTION DATA FOR EACH ENERGY SOURCE AND THE FOLLOWING END USE CATEGORIES: HVAC SYSTEM ENERGY USAGE AND WATER HEATING ENERGY USAGE (WHERE WATER HEATING ENERGY USAGE IS 50KW OR MORE) AS REQUIRED.

## **ELECTRICAL DEMOLITION NOTES**

- 1. THE EXISTING BUILDING IS TO REMAIN FULLY OCCUPIED DURING CONSTRUCTION. ANY ELECTRICAL WORK THAT WILL REQUIRE THE TEMPORARY INTERRUPTION OF THE POWER TO ANY PORTION OF THE BUILDING SHALL BE PRE-SCHEDULED WITH THE OWNER AND ARCHITECT AT LEAST FIFTEEN WORKING DAYS PRIOR TO STARTING SAID WORK. THE CONTRACTOR SHALL NOT INTERRUPT POWER TO ANY PORTION OF THE BUILDING WITHOUT PRIOR THE WRITTEN CONSENT OF THE OWNER.
- 2. PLEASE NOTE, ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BID AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF
- 3 . EXISTING CIRCUITING, WHERE SHOWN, IS BASED ON AVAILABLE AS-BUILT DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING INSTALLATIONS.
- 4. FOR EXISTING EQUIPMENT TO BE DEMOLISHED, REMOVE ALL ASSOCIATED ELECTRICAL DISCONNECTS, CONDUIT, CONDUCTORS, AND CABLING BACK TO PANELBOARD FOR EQUIPMENT ON DEDICATED CIRCUITS. WHERE ADDITIONAL EQUIPMENT TO REMAIN OR BE REPLACED SHAREAS A CIRCUIT WITH EQUIPMENT TO BE DEMOLISHED, REMOVE ELECTRICAL DISCONNECT AND WIRING ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED AND REWORK CIRCUIT WIRING AS REQUIRED TO MAINTAIN POWER TO EQUIPMENT TO REMAIN OR BE REPLACED.
- 5. WHERE RENOVATION WORK INTERFERES WITH EXISTING CIRCUITS OR EQUIPMENT NOT TO BE DEMOLISHED, REWORK OR RELOCATE EXISTING CIRCUITS AND EQUIPMENT AS REQUIRED TO MAINTAIN POWER TO THEM. REFER ALL CONFLICTS TO THE ARCHITECT AND ENGINEER.
- 6. REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS, CONDUITS AND CABLING ASSOCIATED WITH EXISTING EQUIPMENT AND DEVICES TO BE DEMOLISHED BACK TO THE NEAREST ACTIVE DEVICE THAT IS TO REMAIN. MAKE-SAFE CONDUCTORS AND CAP-OFF CONDUIT AS REQUIRED.

7. WHERE EXISTING BRANCH CIRCUITS ARE TO BE RE-USED THE CONDUCTORS, CONDUIT OR CABLES OF THE ORIGINAL CIRCUIT

- ARE TO REMAIN AND BE RE-USED IF POSSIBLE. DOWNSTREAM BRANCH CIRCUIT CONDUCTORS, CONDUIT OR CABLES SERVING EXISTING TO BE DEMOLISHED EQUIPMENT OR DEVICES IS TO BE REMOVED. THE CONTRACTOR SHALL VERIFY THAT EXISTING CONDUCTORS TO BE RE-USED ARE IN GOOD CONDITION AND RATED FOR 90-DEGREES C.
- 8 . ALL REMOVED ELECTRICAL MATERIALS NOT TO BE RE-USED SHALL BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE.
- $9\,$  . COORDINATE STORAGE LOCATION AND PROTECTION OF EQUIPMENT TO BE RE-USED WITH THE OWNER.
- 10 . DAMAGE TO EQUIPMENT, DEVICES, ETC TO REMAIN CAUSED BY THE CONTRACTOR SHALL E REPLACED, REPAIRED AND RESTORED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. WORK SHALL BE COMPLETED TO THE COMPLETE SATISFACTION OF THE OWNER.

## ELECTRICAL GENERAL NOTES

- 1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING, DEVICE LOCATIONS, ETC. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND PROVIDE COMPLETE AND FULLY OPERATIONAL AND COORDINATED ELECTRICAL AND LOW VOLTAGE SYSTEMS THAT MEET ALL REQUIREMENTS OF THE OWNER, CODE AND THE LOCAL AHJ AND THE CONTRACT DOCUMENTS.
- 2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION (WITH STATE AND LOCAL AMENDMENTS) OF THE NATIONAL ELECTRICAL CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, UNIFORM PLUMBING CODE, THE AMERICANS WITH DISABILITY ACT AND LOCAL CODES AND ORDINANCES.
- 3 . CONFIRM ALL LOCATIONS AND QUANTITIES WITH THE OWNER AND ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
- 4. CONTRACTOR TO MAINTAIN THE FIRE RATING OF ANY FIRE-RATED WALLS AND FLOORS. ALL FLOOR PENETRATIONS TO BE FINISHED TO A SMOOTH SURFACE.
- 5 . INSTALL ALL EQUIPMENT PER CODE AND MANUFACTURER'S INSTRUCTIONS; THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE MECHANICAL/PLUMBING EQUIPMENT COORDINATION SCHEDULE FOR CONNECTION REQUIREMENTS FOR SPECIFIC MECHANICAL AND PLUMBING EQUIPMENT. SEE THE PANEL SCHEDULES AND FEEDER AND BRANCH CIRCUIT SCHEDULES FOR CIRCUIT SIZES.
- 6 . ALL ELECTRICAL DEVICES AND EQUIPMENT (LUMINAIRES, CONDUIT AND CABLING, ETC) SHALL BE INDEPENDENTLY SUPPORTED (I.E. DO NOT SUPPORT LUMINAIRES FROM MECHANICAL EQUIPMENT, ETC). PROVIDE SUPPORTS PER CODE AND AHJ REQUIREMENTS.
- 7. ALL UTILITY INFRASTRUCTURE (POWER AND TELECOM) SHALL MEET THE UTILITY SERVICE PROVIDERS' REQUIREMENTS.
- 8 . ALL NEW RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WHEREVER POSSIBLE. AT OPEN CEILING AREAS, CONTRACTOR MUST PROVIDE CONDUCTORS / CABLING IN CONDUIT. COORDINATE THE ROUTING OF THE CONDUIT AT OPEN CEILING AREAS WITH THE ARCHITECT. ALL CONDUIT AND CABLING SHALL BE INSTALLED PARALLEL WITH BUILDING LINES. THE CONTRACTORS SHALL COORDINATE WITH THE CEILING TYPES IN ALL ROOMS AND ENSURE THAT ALL JUNCTION BOXES ARE ACCESSIBLE AFTER THE WORK OF ALL TRADES IS COMPLETE. JUNCTION BOXES SHALL NOT BE LOCATED ON HARD CEILINGS OR IN WALLS IN "FRONT OF HOUSE" SPACES WITHOUT PRIOR APPROVAL FROM ARCHITECT.
- 9. COORDINATE CONDUIT AND CABLING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. ROUTE CONDUIT AS TO MINIMIZE PENETRATIONS THROUGH PARTITIONS.
- # . COORDINATE THE EXACT LOCATIONS OF CEILING MOUNTED DEVICES WITH ALL OTHER TRADES. OCCUPANCY / VACANCY SENSORS SHALL BE INSTALLED AT LEAST 8-FT OR THE MANUFACTURER'S RECOMMENDED DISTANCE FROM ALL HVAC EXHAUST DIFFUSERS. LOCATE PHOTO CELLS PER MANUFACTURER'S INSTRUCTIONS.
- # . COORDINATE THE LOCATIONS OF ALL WALL-MOUNTED DEVICES (OCCUPANCY SENSOR SWITCHES, LOW VOLTAGE WALL STATIONS, THERMOSTATS, ETC) WITH LOCATIONS AND SWINGS OF DOORS. DO NOT LOCATED DEVICES SUCH THAT THEY WILL BE BEHIND ANY DOOR WHEN THAT DOOR IS OPEN WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- # . BACK-TO-BACK DEVICES ARE NOT ALLOWED; INSTALL IN SEPARATE STUD CAVITIES. INSTALL PUTTY PADS ON ALL BOXES INSTALLED IN PARTY OR CORRIDOR WALLS.
- # . THE ELECTRICAL CONTRACTOR SHALL PERFORM SHORT-CIRCUIT / FAULT CURRENT AND ARCH FLASH STUDIES FOR THE PROJECT PER THE ACTUAL INTENDED INSTALLATION (FINAL GEAR SELECTION, ACTUAL FEEDER LENGTHS, ETC). STUDIES SHALL BE SUBMITTED TO THE ENGINEER WITH THE GEAR SUBMITTAL FOR REVIEW. FINAL STUDIES SHALL BE STAMPED BY AN ELECTRICAL ENGINEER CURRENTLY REGISTERED IN THE THE STATE OF WASHINGTON AND SHALL BE SUBMITTED TO THE LOCAL AHJ. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FLASH LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT PER CODE AND AHJ REQUIREMENTS. SEE THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
- # . LIGHTING CONTROL COORDINATION MEETING: THE ELECTRICAL CONTRACTOR SHALL COORDINATE A LIGHTING CONTROL COORDINATION MEETING WITH THE OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND AN AUTHORIZED SERVICE REPRESENTATIVE OF THE INTENDED LIGHTING CONTROL SYSTEM FOR THE PROJECT TO DISCUSS THE LIGHTING CONTROL INTENT FOR THE PROJECT. THIS MEETING SHALL OCCUR AT LEAST TEN (10) WORKING DAYS PRIOR TO SUBMITTING THE LIGHTING CONTROL SUBMITTAL; THE LIGHTING CONTROL SUBMITTAL SHALL REFLECT THE DECISIONS MADE DURING THIS MEETING.
- # . THE ELECTRICAL CONTRACTOR SHALL MARK LOCATIONS OF ALL DEVICES AND EQUIPMENT IN ONE OF EACH TYPE OF TYPICAL UNIT IN THE PROJECT FOR THE OWNER AND ARCHITECT TO REVIEW AND APPROVE PRIOR TO ROUGH-IN IN THE REST OF THE UNITS. WHEN REQUESTED BY THE ARCHITECT AND OWNER, THE ELECTRICAL CONTRACTOR SHALL RELOCATE DEVICES AND EQUIPMENT IN THE UNITS UP TO SIX (6) FEET IN ANY DIRECTION AT NO COST TO THE PROJECT.
- # . ALL LOW VOLTAGE SYSTEMS, INCLUDING FIRE ALARM, ARE DESIGN BUILD. ANY DEVICES AND EQUIPMENT INDICATED ON THESE PLANS ARE PRELIMINARY FOR SPACE PLANNING PURPOSES ONLY.
- \* . THE DESIGN-BUILD LOW VOLTAGE CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL LOW VOLTAGE SYSTEMS PE RTHE REQUIREMENTS OF THE OWNER, THE LOCAL AHJ AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL PARTS AND PIECES REQUIRED FOR THESE LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO RACKS, PATCH PANELS, ROUTERS, WIRELESS ACCESS POINTS, PATCH CABLES, ETC. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. LOW VOLTAGE SYSTEMS INCLUDE THE FOLLOWING: TELECOM, CATV, TWO WIFI NETWORKS, ACCESS CONTROL, NURSE CALL SYSTEM (HAGAN IT NO EXCEPTIONS), WANDERGUARD AT THE MAIN MEMORY CARE HOME DOOR AND FIRE ALARM. THE DESIGN, PERMITTING AND INSTALLATION OF A DAS SYSTEM SHALL BE INCLUDED AS AN ADD ALTERNATE; SEE ELECTRICAL ADD ALTERNATES, THIS DRAWING. SEE ELECTRICAL DRAWINGS AND DIVISION 26, 27 AND 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- # . THE TELECOM SYSTEM WIRING SHALL MEET TIA PERFORMANCE CRITERIA FOR CATEGORY 6.
  - . WIRELESS ACCESS POINTS ARE TO BE PROVIDED BY THE LOW VOLTAGE CONTRACTOR TO PROVIDE COMPLETE WIFI COVERAGE FOR ALL AREAS OF THE BUILDING OUTSIDE OF THE SLEEPING UNITS FOR TWO NETWORKS; ONE SECURED FOR EMPLOYEES AND ONE UNSECURED FOR GUEST AND RESIDENT USE.
- # . THE DESIGN-BUILD FIRE ALARM CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM MEETING THE REQUIREMENTS OF CODE, THE LOCAL AHJ AND THE FIRE MARSHAL. ANY DEVICES SHOWN ON THE ELECTRICAL DRAWINGS ARE SCHEMATIC FOR COORDINATION PURPOSES ONLY. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE ELECTRICAL AND FIRE ALARM CONTRACTORS SHALL MAKE ALL REQUIRED SUBMISSIONS TO THE AUTHORITIES HAVING JURISDICTION FOR PERMITS AND APPROVAL OF ALL ELECTRICAL AND FIRE ALARM SYSTEMS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE SUBMISSIONS AND OBTAINING THE REQUIRED PERMIT(S). THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING SYSTEMS THAT MEET ALL REQUIREMENTS OF CODE AND THE LOCAL AHJ; ALL ADDITIONS, REVISIONS, RESUBMITTALS, ETC REQUIRED TO OBTAIN AHJ APPROVAL SHALL BE CARRIED OUT BY THE FIRE ALARM CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. PROVIDE A COPY OF THE FINAL APPROVED DRAWINGS WITH THE LOCAL AHJ'S APPROVAL STAMP TO THE OWNER FOR THEIR RECORDS.

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## CKSD/ KRL BUILDING RENOVATIC 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

900

PROJECT #

PERMIT SET

18100

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

NOTES

HEET#

E10.02

**GENERAL NOTES:** 

- 1. GENERAL SCOPE AND DESIGNATIONS FOR ELECTRICAL GEAR: (E): EXISTING EQUIPMENT TO REMAIN
- (D): DEMOLISH EQUIPMENT (R): DEMOLISH EXISTING EQUIPMENT AND REPLACE WITH NEW (RL): RELOCATE EXISTING EQUIPMENT TO NEW LOCATION.
- 2. EXISTING PANEL FEEDERS ARE TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. E.C. TO EXAMINE FEEDERS DURING DEMOLITION PHASE TO CONFIRM THEY ARE IN GOOD, USABLE CONDITION.
- 3. EXISTING FEEDERS FOR ROOFTOP MECHANICAL GEAR ARE TO BE DEMOLISHED FROM GEAR TO MAIN BREAKER.
- 4. ALL EXISTING CIRCUIT BREAKERS IN MAIN SWITCHBOARD ARE TO REMAIN UNLESS OTHERWISE NOTED. E.C. TO TAKE CARE AND PRESERVE BREAKERS WHEN DEMOLISHING FEEDERS. ALL BREAKERS ARE TO BE INSPECTED AND TESTED DURING DEMOLITION PHASE TO CONFIRM THEY ARE REUSABLE.
- 5. MAINTAIN ALL EXISTING GROUNDING CONNECTIONS FOR MAIN SERVICE AND SWITCHBOARD.

## FLAG NOTES X:

- 1. EXISTING UTILITY TRANSFORMER OUTSIDE BUILDING TO REMAIN.
- 2. EXISTING REMOTE UTILITY METER TO REMAIN.
- 3. EXISTING SWITCHBOARD TO REMAIN AS IS. ONLY WORK ALLOWED TO SWITCHBOARD IS REMOVING/CONNECTING FEEDERS AND CHANGING BREAKERS TO ACCOMMODATE NEW PANELS AND LOADS.
- 4. MAINTAIN EXISTING CONNECTIONS AND CONTROLS FOR EXISTING ELEVATOR.
- 5. EXISTING PANELS ARE RECESSED MOUNTED EXISTING CMU WALL. WHEN REPLACED, NEW PANEL IS TO BE SURFACE MOUNTED IN A CONFIGURATION WHERE NEW CIRCUITS CAN BE EASILY ROUGHED-IN AND CONNECTED TO PANEL.
- 7. DEMOLISH EXISTING EMERGENCY POWER FEEDERS (FROM MAIN HIGH SCHOOL) TO EDGE OF 900 BUILDING. CAP AND SEAL ANY PENETRATIONS AT BUILDING EXTERIOR.
- 8. EXISTING ATS IS RELATIVELY NEW AND IN GOOD WORKING ORDER. UNINSTALL AND RETURN TO CKSD FOR POSSIBLE

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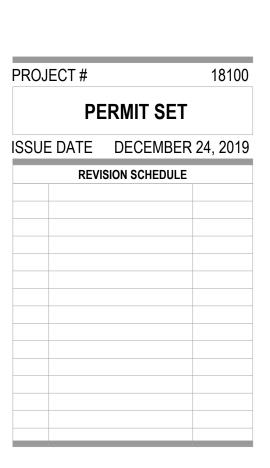
ARCHITECTURE INTERIORS PLANNING VIRLAR



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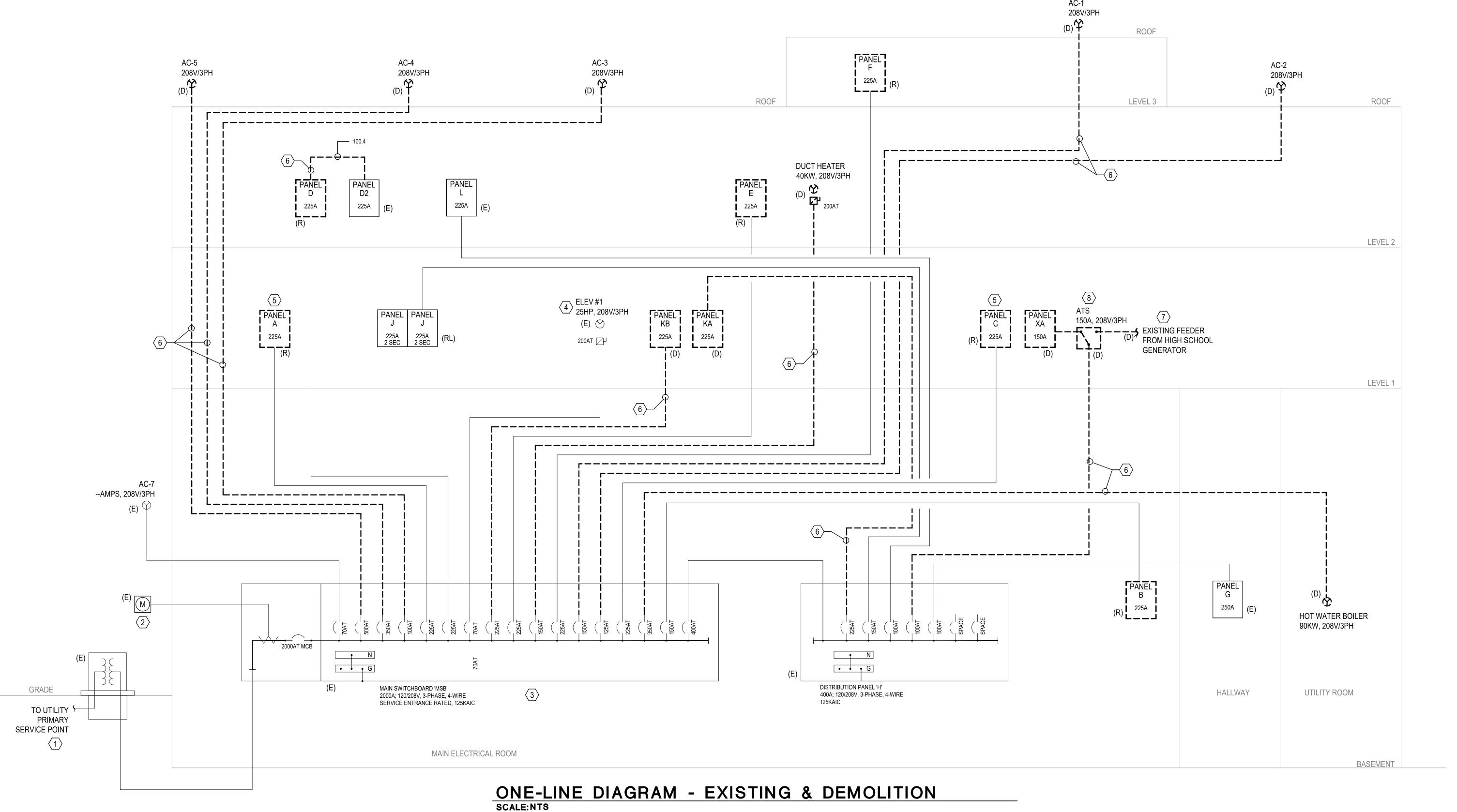


# CKS 900 BUILDING



SINGLE LINE DIAGRAM

E10.10



Permit Number: 19-05911

## GENERAL NOTES:

- GENERAL SCOPE AND DESIGNATIONS FOR ELECTRICAL GEAR:

  (C) EXISTING FOLUMENT TO REMAIN.
- (E): EXISTING EQUIPMENT TO REMAIN
  (D): DEMOLISH EQUIPMENT
  (R): DEMOLISH EXISTING EQUIPMENT AND REPLACE WITH NEW
  (RL): RELOCATE EXISTING EQUIPMENT TO NEW LOCATION.

TESTED DURING DEMOLITION PHASE TO CONFIRM THEY ARE REUSABLE.

- 2. EXISTING PANEL FEEDERS ARE TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. E.C. TO EXAMINE FEEDERS DURING DEMOLITION PHASE TO CONFIRM THEY ARE IN GOOD, USABLE CONDITION.
- 3. EXISTING FEEDERS FOR ROOFTOP MECHANICAL GEAR ARE TO BE DEMOLISHED FROM GEAR TO MAIN BREAKER.
- 4. ALL EXISTING CIRCUIT BREAKERS IN MAIN SWITCHBOARD ARE TO REMAIN UNLESS OTHERWISE NOTED. E.C. TO TAKE CARE AND PRESERVE BREAKERS WHEN DEMOLISHING FEEDERS. ALL BREAKERS ARE TO BE INSPECTED AND
- 5. MAINTAIN ALL EXISTING GROUNDING CONNECTIONS FOR MAIN SERVICE AND SWITCHBOARD.

## FLAG NOTES $\stackrel{\textstyle (\times)}{\times}$ :

- EXISTING UTILITY TRANSFORMER OUTSIDE BUILDING TO REMAIN.
- 2. EXISTING REMOTE UTILITY METER TO REMAIN.
- 3. EXISTING SWITCHBOARD TO REMAIN AS IS. ONLY WORK ALLOWED TO SWITCHBOARD IS REMOVING/CONNECTING FEEDERS AND CHANGING BREAKERS TO ACCOMMODATE NEW PANELS AND LOADS.
- 4. MAINTAIN EXISTING CONNECTIONS AND CONTROLS FOR EXISTING ELEVATOR.
- 5. EXISTING PANELS ARE RECESSED MOUNTED EXISTING CMU WALL. WHEN REPLACED, NEW PANEL IS TO BE SURFACE MOUNTED IN A CONFIGURATION WHERE NEW CIRCUITS CAN BE EASILY ROUGHED-IN AND CONNECTED TO PANEL.
- 6. NOT USED.
- 7. NOT USED.

ROOF



ARCHITECTURE INTERIORS PLANNING VIRLAR

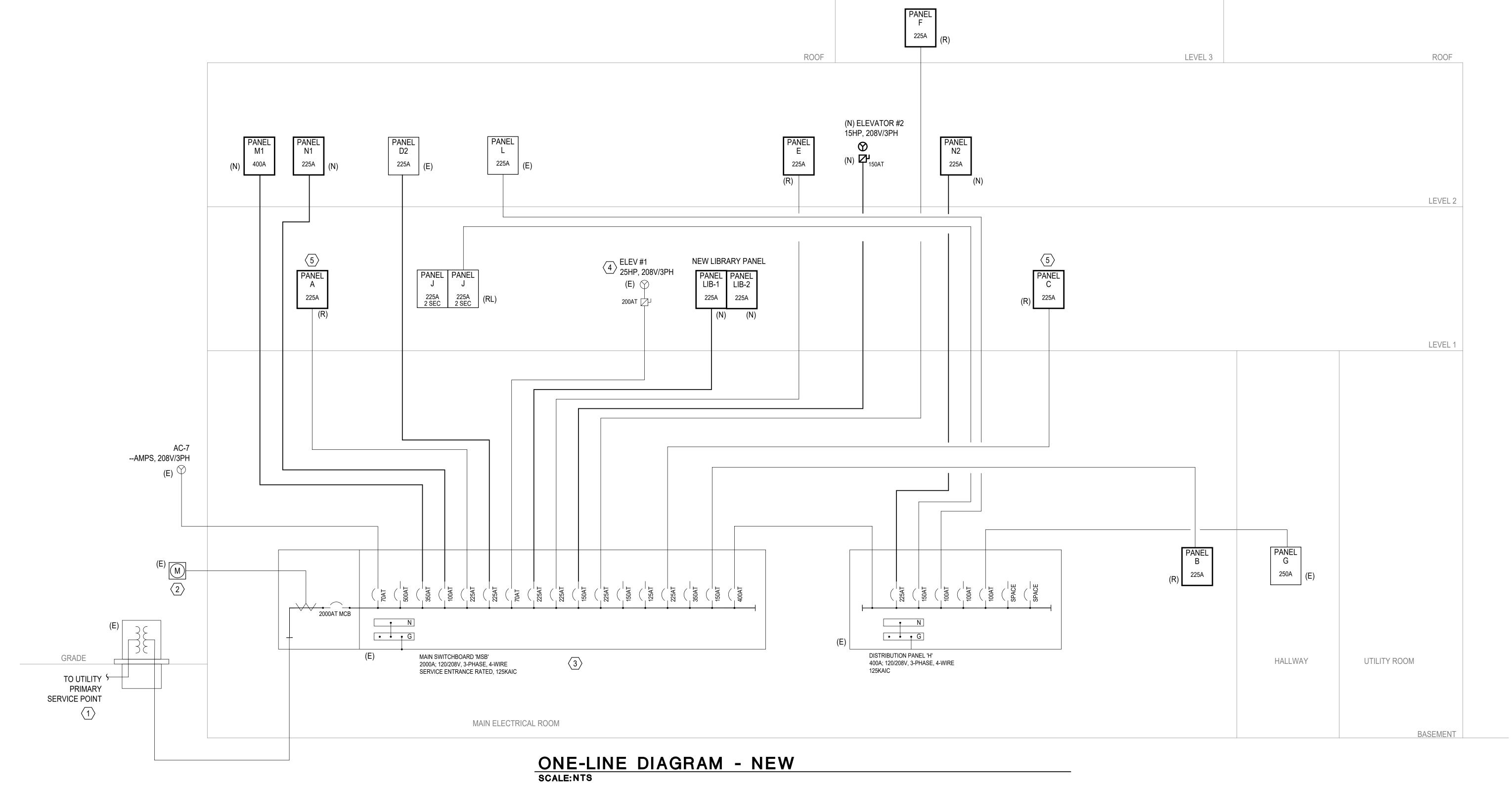
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# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PERMIT SET

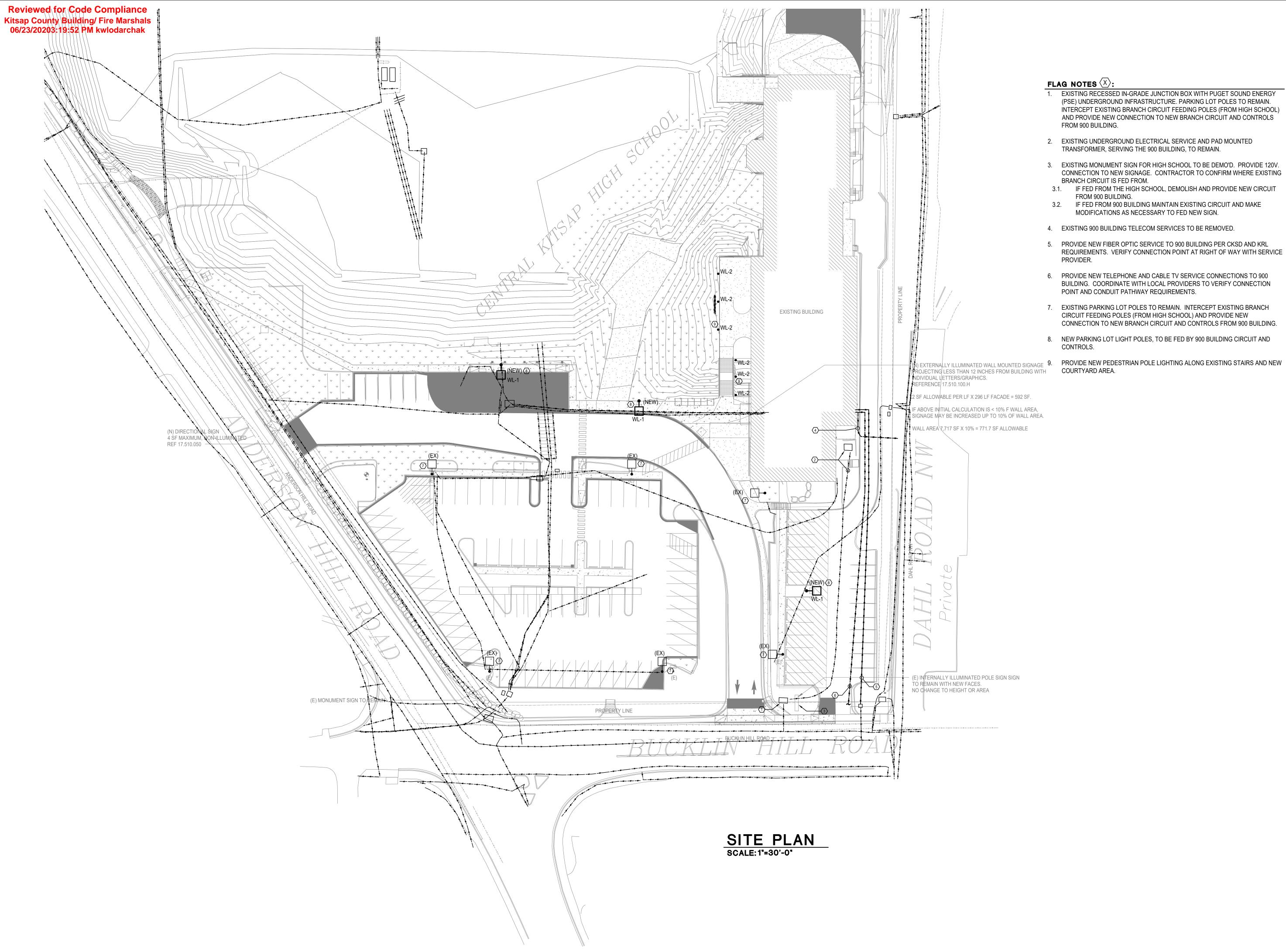
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

SINGLE LINE DIAGRAM
- NEW

SHEET#

E10.11





- 1. EXISTING RECESSED IN-GRADE JUNCTION BOX WITH PUGET SOUND ENERGY (PSE) UNDERGROUND INFRASTRUCTURE. PARKING LOT POLES TO REMAIN. INTERCEPT EXISTING BRANCH CIRCUIT FEEDING POLES (FROM HIGH SCHOOL) AND PROVIDE NEW CONNECTION TO NEW BRANCH CIRCUIT AND CONTROLS FROM 900 BUILDING.
- 2. EXISTING UNDERGROUND ELECTRICAL SERVICE AND PAD MOUNTED TRANSFORMER, SERVING THE 900 BUILDING, TO REMAIN.
- 3. EXISTING MONUMENT SIGN FOR HIGH SCHOOL TO BE DEMO'D. PROVIDE 120V. CONNECTION TO NEW SIGNAGE. CONTRACTOR TO CONFIRM WHERE EXISTING BRANCH CIRCUIT IS FED FROM.
- 3.1. IF FED FROM THE HIGH SCHOOL, DEMOLISH AND PROVIDE NEW CIRCUIT FROM 900 BUILDING.
- 3.2. IF FED FROM 900 BUILDING MAINTAIN EXISTING CIRCUIT AND MAKE MODIFICATIONS AS NECESSARY TO FED NEW SIGN.
- 4. EXISTING 900 BUILDING TELECOM SERVICES TO BE REMOVED.
- 5. PROVIDE NEW FIBER OPTIC SERVICE TO 900 BUILDING PER CKSD AND KRL REQUIREMENTS. VERIFY CONNECTION POINT AT RIGHT OF WAY WITH SERVICE
- PROVIDE NEW TELEPHONE AND CABLE TV SERVICE CONNECTIONS TO 900 BUILDING. COORDINATE WITH LOCAL PROVIDERS TO VERIFY CONNECTION POINT AND CONDUIT PATHWAY REQUIREMENTS.
- 7. EXISTING PARKING LOT POLES TO REMAIN. INTERCEPT EXISTING BRANCH CIRCUIT FEEDING POLES (FROM HIGH SCHOOL) AND PROVIDE NEW CONNECTION TO NEW BRANCH CIRCUIT AND CONTROLS FROM 900 BUILDING.
- 8. NEW PARKING LOT LIGHT POLES, TO BE FED BY 900 BUILDING CIRCUIT AND

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## 900 BUILDIN

PROJECT# 18100 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

SITE PLAN

E20.00

BASE BID : DEMOLISH GYM AND ALL ASSOCIATED ELECTRICAL AND LOW VOLTAGE DEVICES.

**€**340

**€**290

ALTERNATE #1: GYM AND ALL EXISTING DEVICES
ARE TO REMAIN AS IS. MAINTAIN CONNECTIONS
TO ALL BRANCH POWER, LIGHTING, AND FIRE
ALARM DEVICES.

## A3761 A3761 A3761 ASSIONAL ENGINE

ARCHITECTURE INTERIORS PLANNING VIELAB

SIDER + BYERS

MECHANICAL + ELECTRICAL ENGINEERS

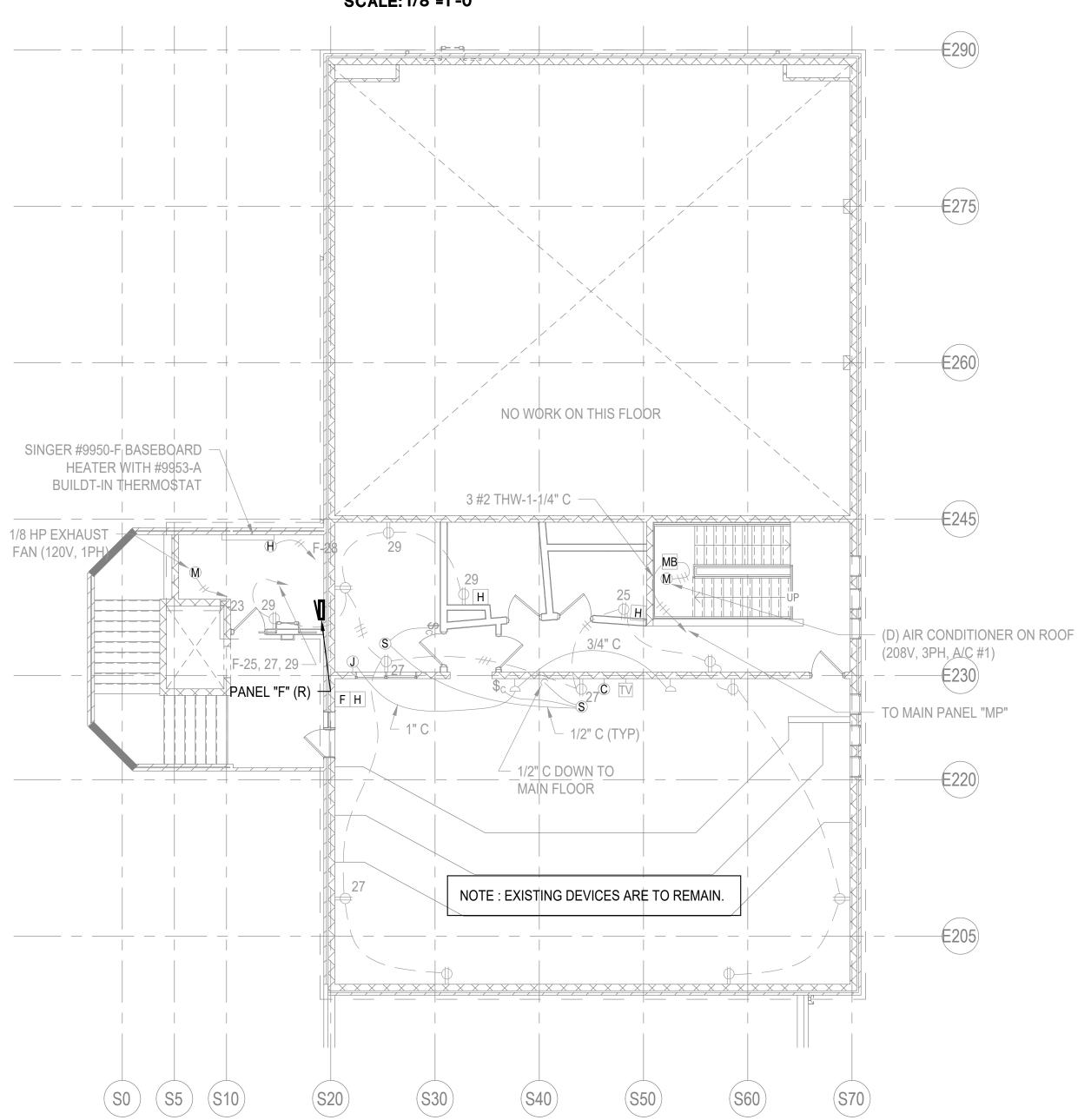
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BREMERTON, WA 98337

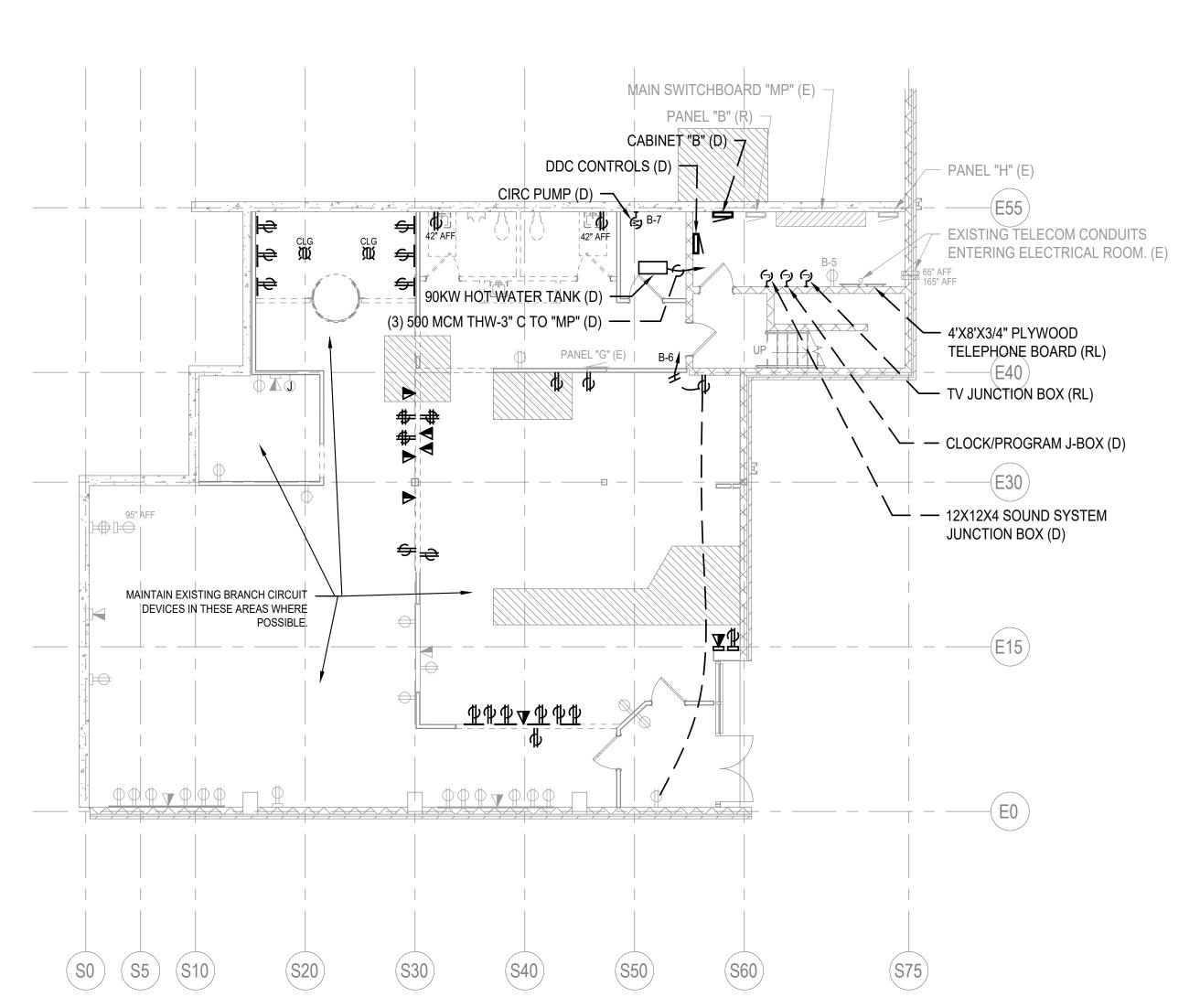
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GYM DEMOLITION FLOOR PLAN - POWER
SCALE: 1/8'=1'-0'



LEVEL 3 DEMOLITION FLOOR PLAN - POWER

SCALE: 1/8'=1'-0'



BASEMENT DEMOLITION FLOOR PLAN - POWER SCALE: 1/8"=1'-0"

CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

PERMIT SET

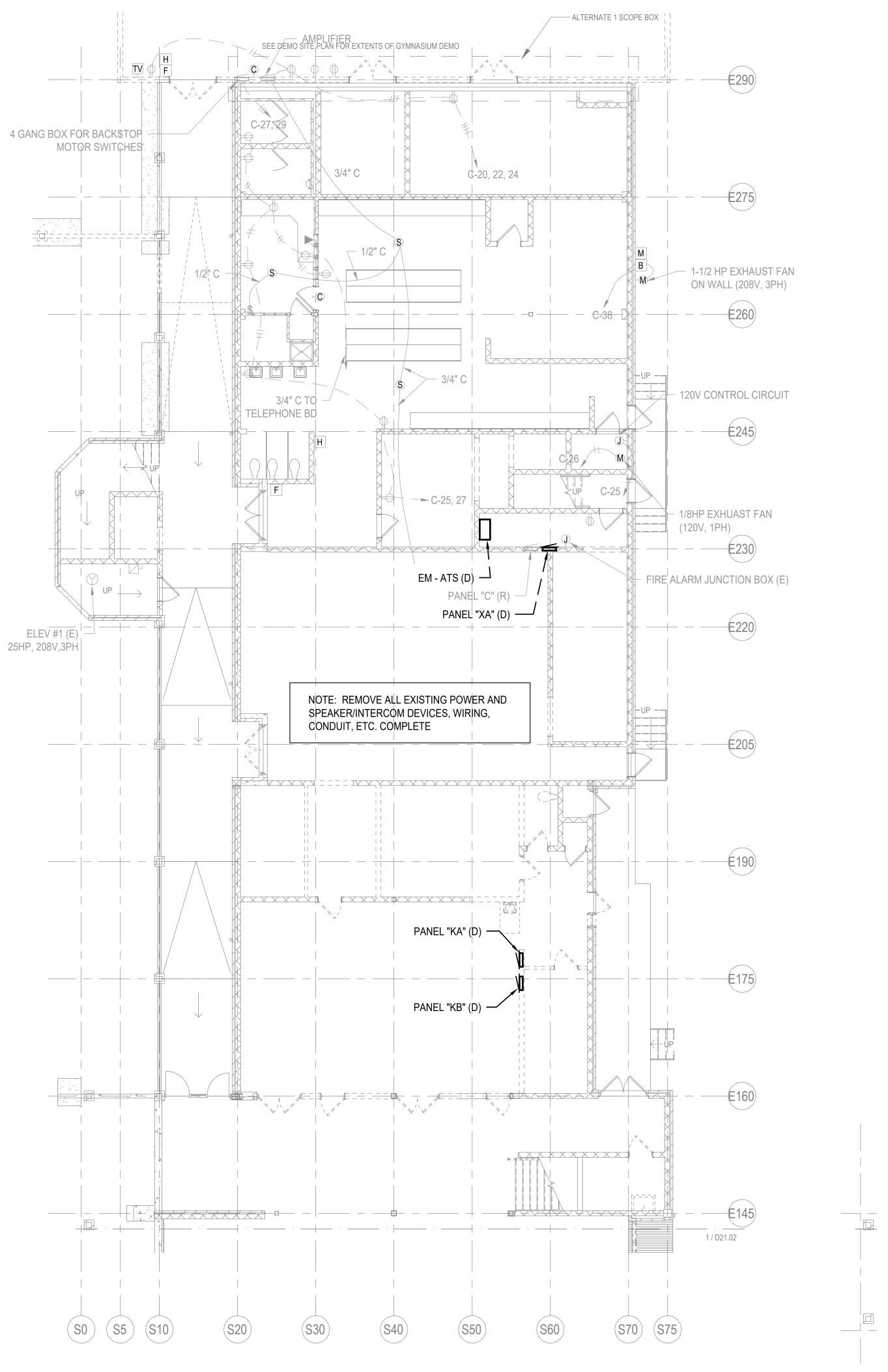
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

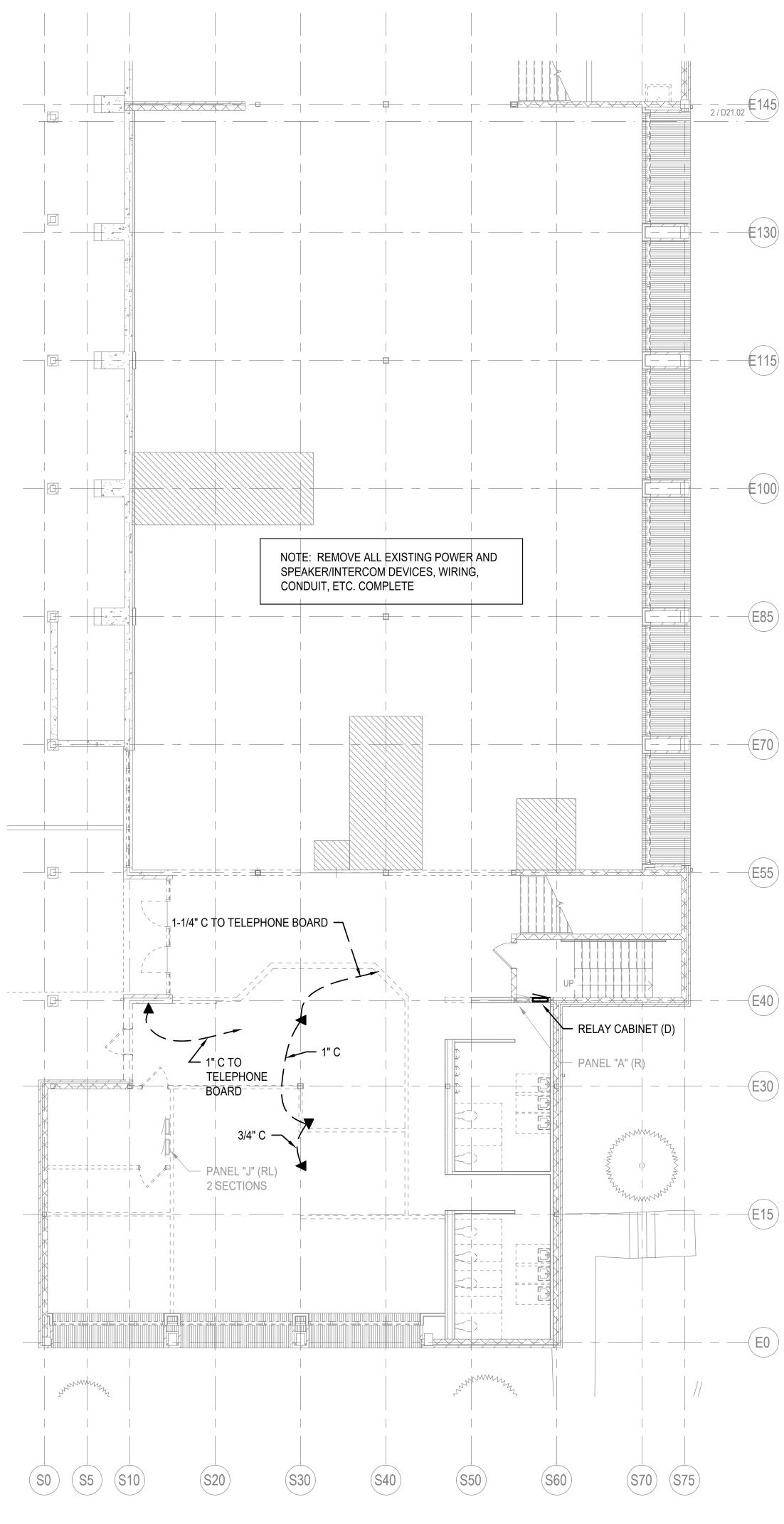
BASEMENT AND LEVEL

BASEMENT AND LEVEL 3 DEMOLITION FLOOR POWER PLANS

SHEET#



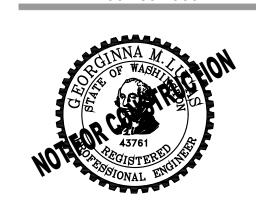
LEVEL 1 DEMOLITION FLOOR PLAN - NORTH - POWER SCALE: 1/8'=1'-0'



LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH - POWER
SCALE: 1/8'=1'-0'

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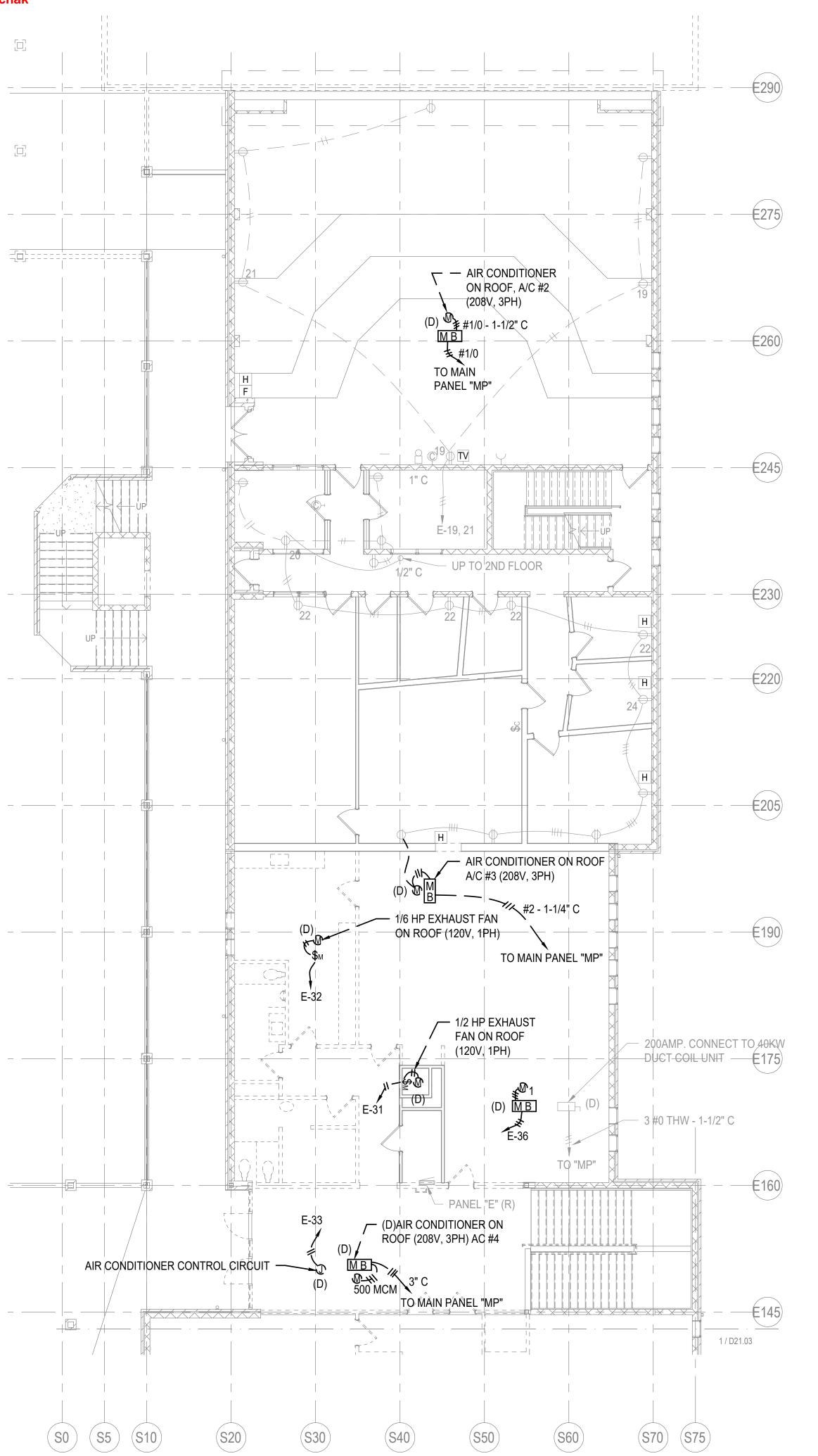
PERMIT SET

ISSUE DATE DECEMBER 24, 2019

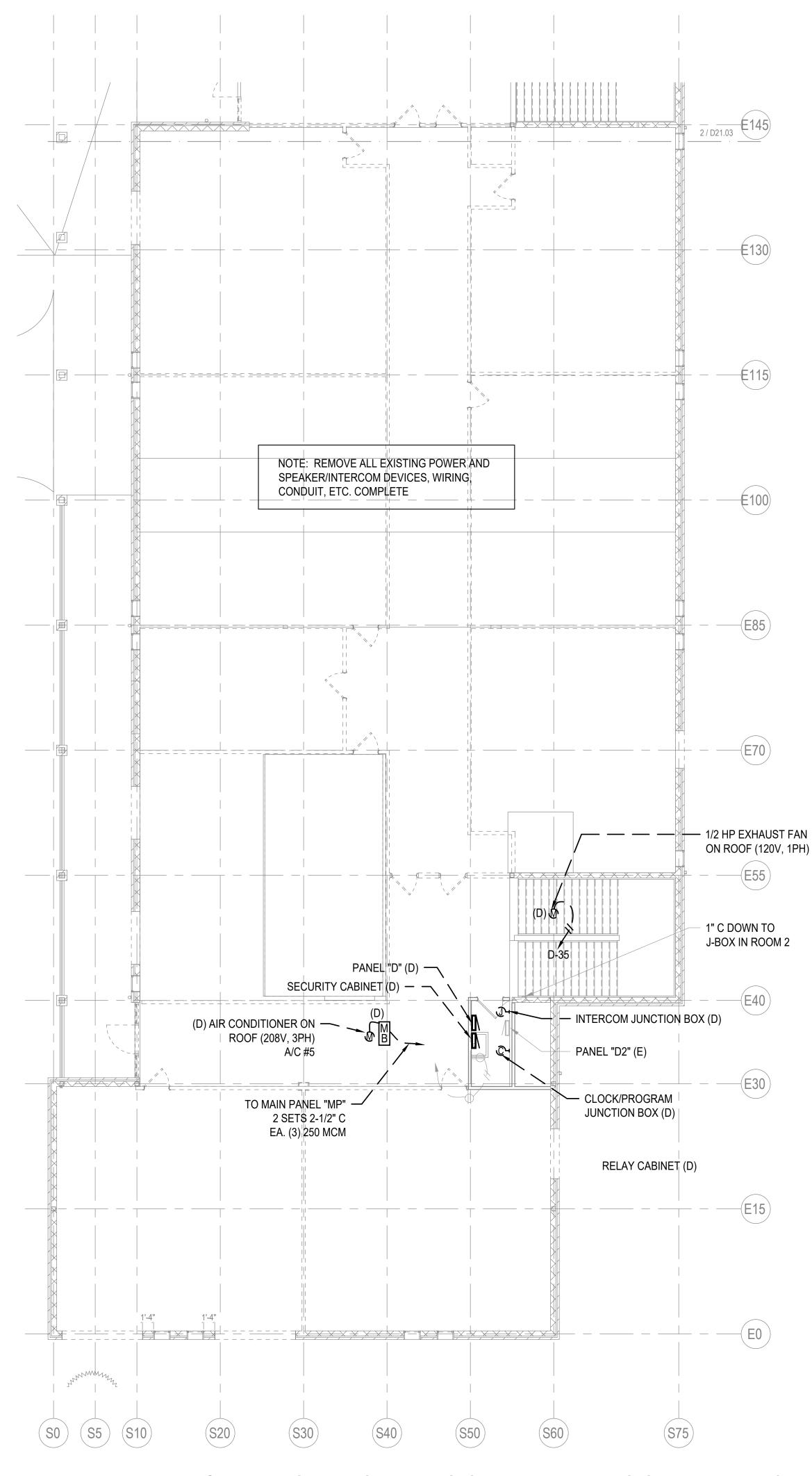
REVISION SCHEDULE

LEVEL 1 DEMOLITION
FLOOR POWER PLAN

SHEET#



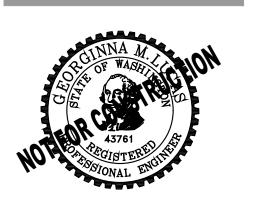
LEVEL 2 DEMOLITION FLOOR PLAN - NORTH - POWER SCALE: 1/8"=1'-0"



LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH - POWER SCALE: 1/8"=1'-0"

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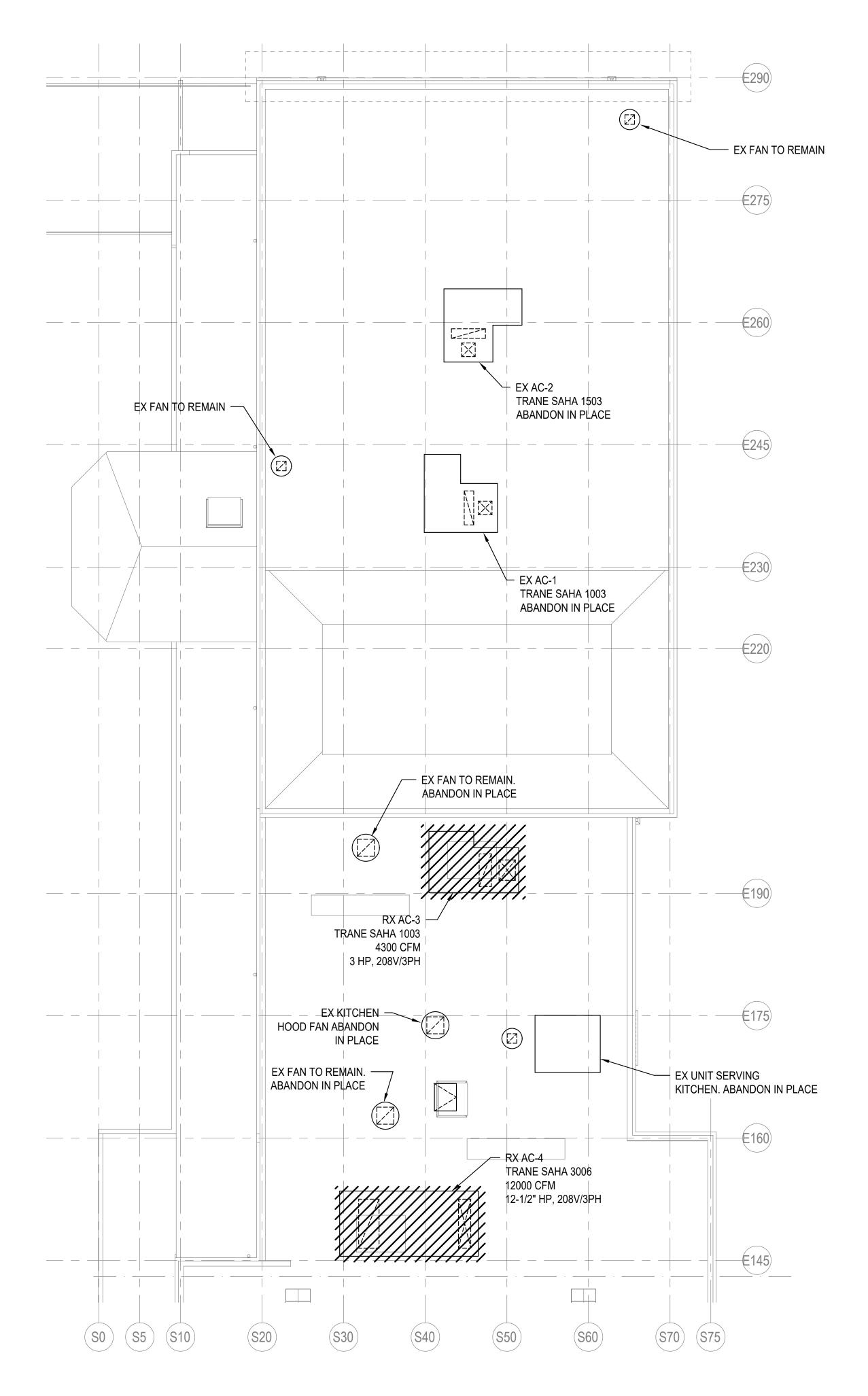


## CKSD/ 900 BUILDING

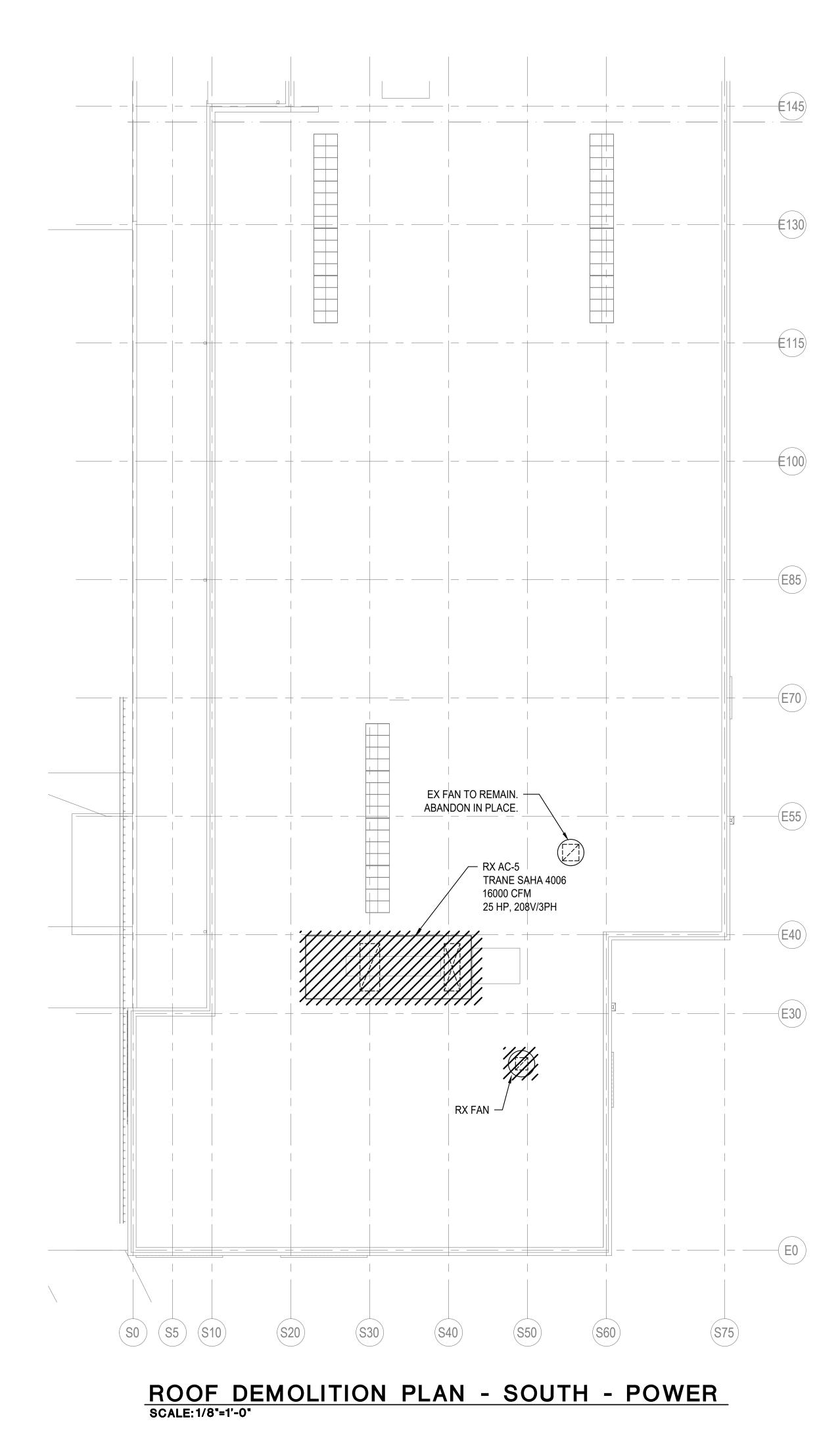
PROJECT# 18100 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 **REVISION SCHEDULE** LEVEL 2 DEMOLITION

FLOOR POWER PLAN

SHEET#



ROOF DEMOLITION PLAN - NORTH - POWER
SCALE: 1/8'=1'-0'



18100

CKSD/ 900 BUILDING F

PROJECT#

**PERMIT SET** 

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

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SIDER+BYERS

MECHANICAL + ELECTRICAL ENGINEERS

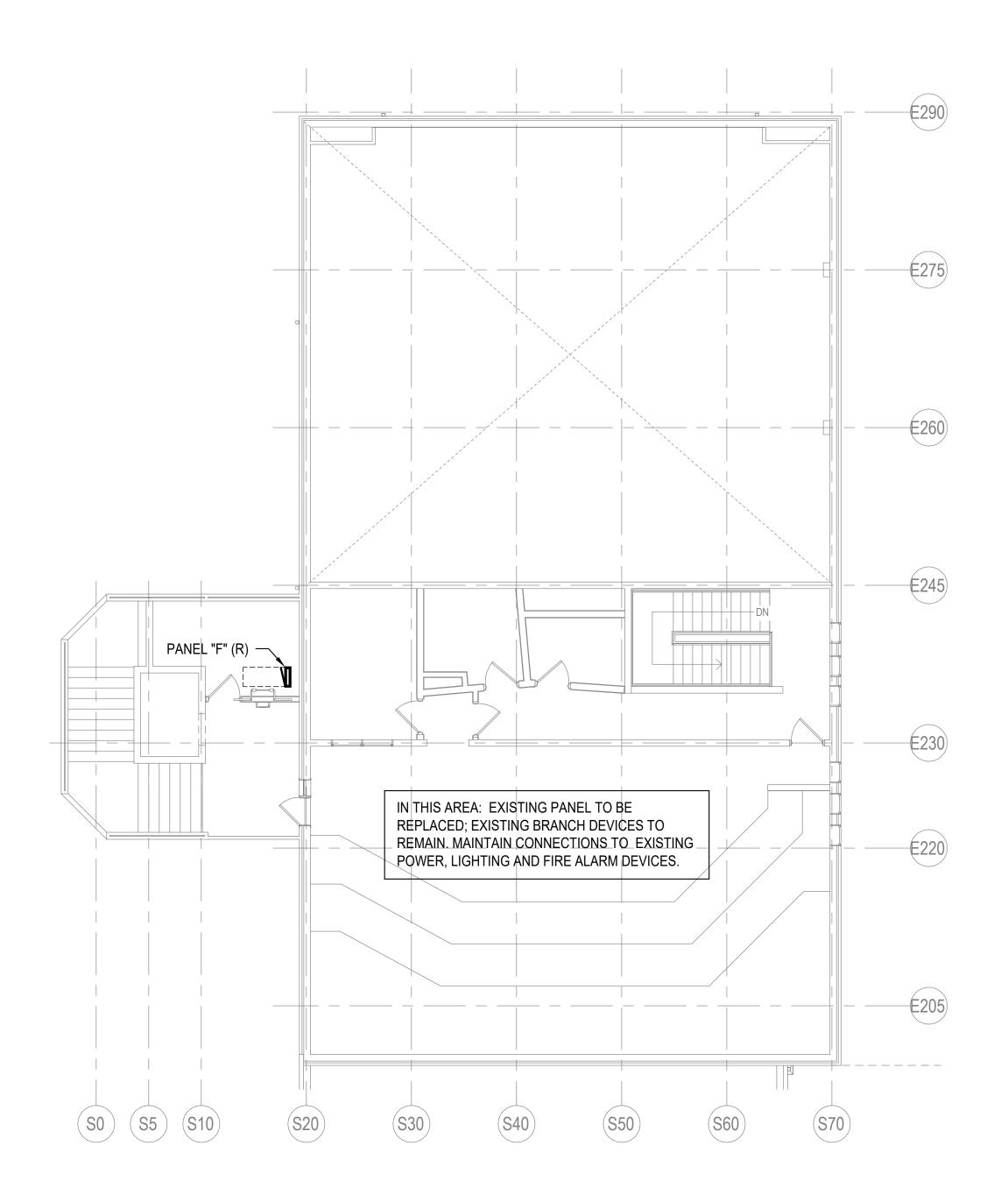
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SHEET#

ROOF DEMOLITION

POWER PLAN



LEVEL 3 FLOOR PLAN - POWER SCALE: 1/8"=1'-0"

FLAG NOTES X:

1. EXISTING ELECTRICAL PANEL TO REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.

- 2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
- 3. NOT USED.
- 4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM.
- 5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
- 6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.

PANEL "B" (R) (1)

- NEW FIRE ALARM CONTROL PANEL

EX. AC-7 UNIT

S60

MAIN SWITCHBOARD "MP" (E)

— EXISTING TELECOM CON ENTERING ELECTRICAL

E15

—(E0)

S75

7. NOT USED

NEW TELEPHONE AND CABLE TV SERVICE \_\_\_\_\_

PANEL "G" (E) —

ENTRANCE EQUIPMENT.

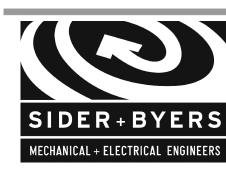
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(S50)

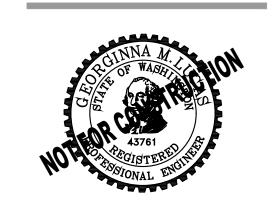
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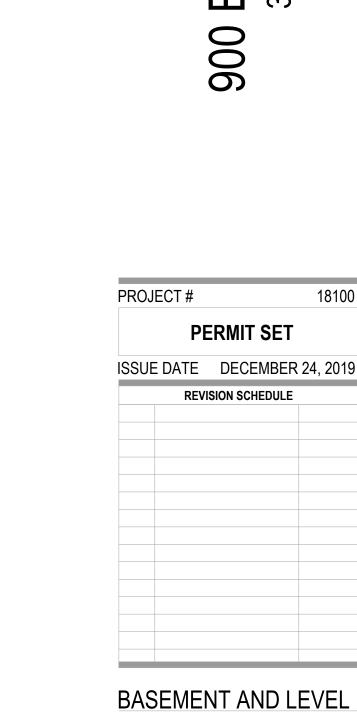
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## CKSD/ 900 BUILDING 3700 NW SILVE



18100

BASEMENT FLOOR PLAN - POWER SCALE: 1/8"=1'-0"

S40

S30

MAINTAIN EXISTING BRANCH CIRCUIT

DEVICES IN THESE AREAS WHERE

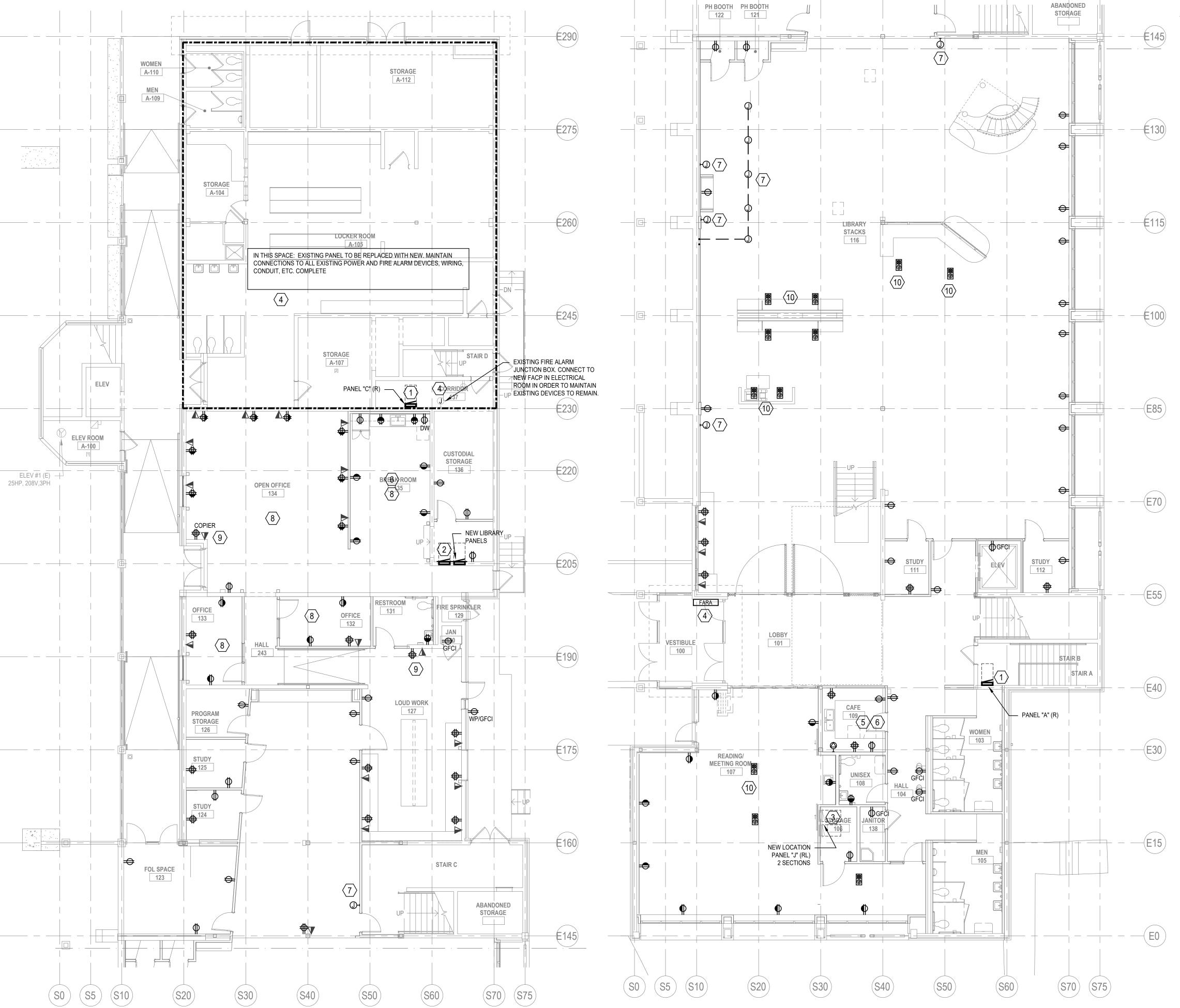
POSSIBLE.

(S20)

SHEET#

POWER

3 FLOOR PLANS -



LEVEL 1 FLOOR PLAN - NORTH - POWER
SCALE: 1/8'=1'-0'

LEVEL 1 FLOOR PLAN - SOUTH - POWER

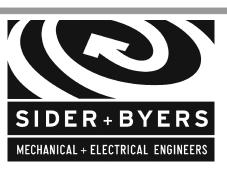
SCALE: 1/8'=1'-0'

FLAG NOTES  $\overleftarrow{\mathbb{X}}$ :

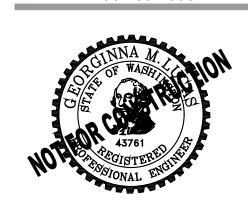
- 1. EXISTING ELECTRICAL PANEL TO REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.
- 2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
- 3. EXISTING 2-SECTION PANEL 'J' IS TO BE RELOCATED TO NEW STORAGE ROOM AS SHOWN. PROVIDE NEW FEEDERS FROM MAIN SWITCHBOARD TO NEW LOCATION. SEE ONE-LINE DIAGRAM.
- 4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM.
- 5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
- 6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE POWER CONNECTION TO LIGHTING FIXTURES ON BOOK STACKS.
  PROVIDE WALL BASE POWER WHERE POSSIBLE AND RECESSED FLOOR BOXES
  FOR FREESTANDING STACKS. CIRCUITS ARE TO BE CONNECTED TO LIGHTING
  CONTROL PANEL AND SWITCHED ON/OFF BY TIME CLOCK ALONG WITH OTHER
  LIBRARY LIGHTING.
- 8. PROVIDE SWITCHED RECEPTACLES WHERE SHOWN PER WEC. RECEPTACLES ARE TO BE CONTROLLED ON/OFF BY LOCAL OCCUPANCY SENSOR ON LIGHTING CONTROLS SYSTEM. PROVIDE RELAY, RATED FOR 20A RECEPTACLE, FOR ON/OFF CONTROL FROM OCCUPANCY SENSOR.
- 9. PROVIDE DEDICATED CIRCUIT FOR COPY/PRINTERS.
- 10. PROVIDE RECESSED FLOORBOX DEVICE WITH POWER AND TELE/DATA PROVISIONS.

ACCHITECTURE INTERIORS PLANNING VIELAB

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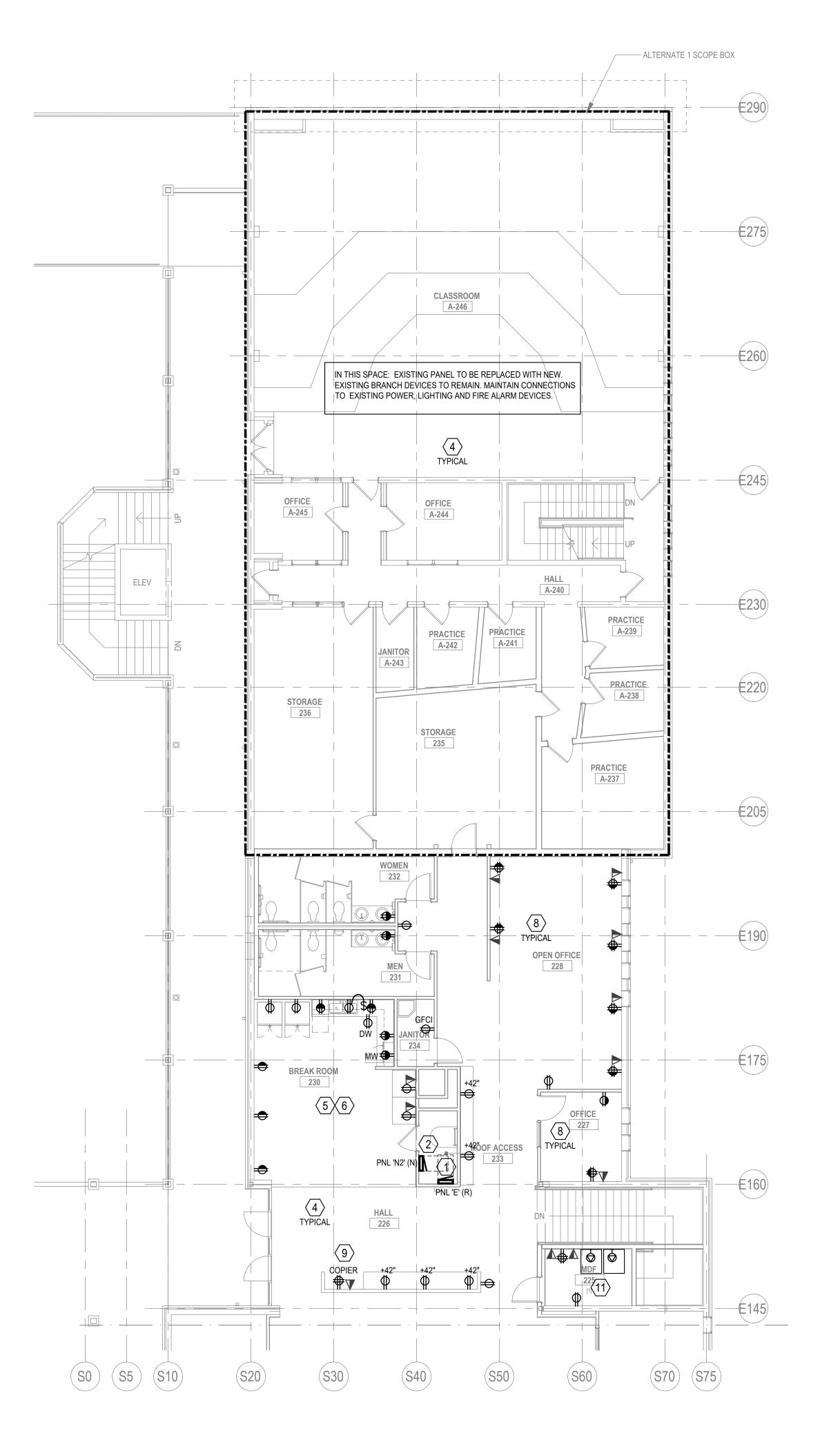


## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SII VERDALE WA 98383

PROJECT#		1810
PE	ERMIT SET	
ISSUE DATE	DECEMBER	24, 201
REVI	SION SCHEDULE	

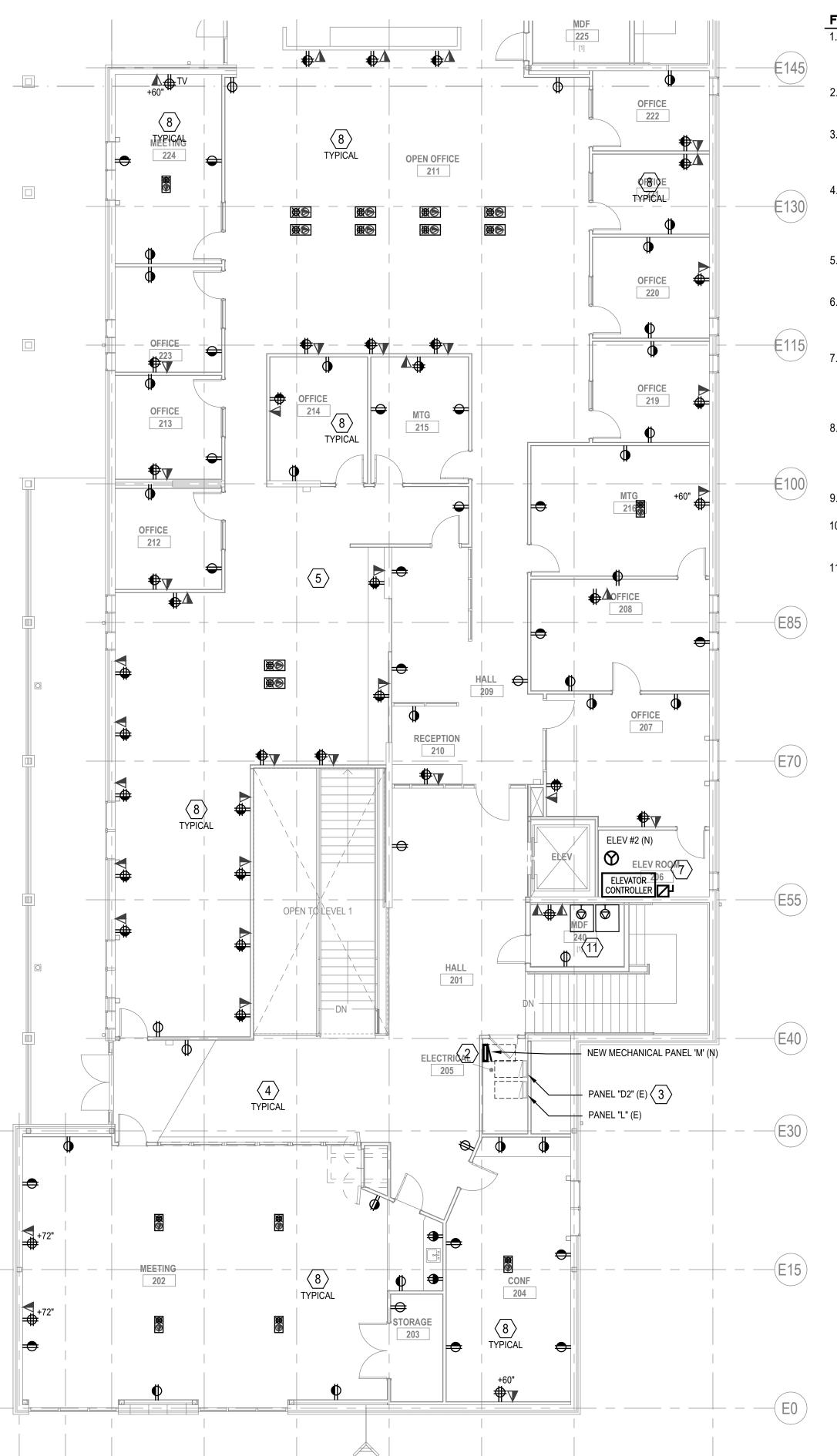
LEVEL 1 FLOOR PLAN -POWER

SHEET#



LEVEL 2 FLOOR PLAN - NORTH - POWER

SCALE: 1/8\*=1'-0\*

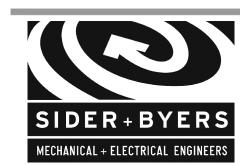


FLAG NOTES 💢:

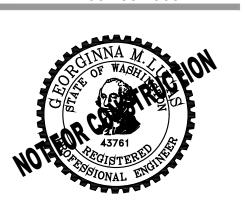
- EXISTING ELECTRICAL PANEL TO REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.
- 2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
- 3. EXISTING PANEL 'D2' IS TO REMAIN AND GET NEW 225AMP FEEDERS FROM THE EXISTING SWITCHBOARD ONCE ORIGINAL SOURCE, PANEL D, IS DEMOLISHED. SEE ONE-LINE DIAGRAM.
- 4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM
- 5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
- 6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE CONNECTIONS TO NEW ELEVATOR. SEE ONE-LINE DIAGRAM FOR NEW PANEL AND FEEDERS. COORDINATE WITH ELEVATOR MANUFACTURER TO CONFIRM LOADS AND ALL WIRING REQUIREMENTS IN ORDER TO PROVIDE AN INSTALLATION THAT MEETS LOCAL CODES AND AHJ.
- 8. PROVIDE SWITCHED RECEPTACLES WHERE SHOWN PER WEC. RECEPTACLES ARE TO BE CONTROLLED ON/OFF BY LOCAL OCCUPANCY SENSOR ON LIGHTING CONTROLS SYSTEM. PROVIDE RELAY, RATED FOR 20A RECEPTACLE, FOR ON/OFF CONTROL FROM OCCUPANCY SENSOR.
- 9. PROVIDE DEDICATED CIRCUIT FOR COPY/PRINTERS.
- 10. PROVIDE RECESSED FLOORBOX DEVICE WITH POWER AND TELE/DATA PROVISIONS.
- 11. PROVIDE (1) DEDICATED 20A CIRCUIT FOR EACH SERVER RACK CONNECTION.
  VERIFY EXACT ELECTRICAL DEVICE REQUIRED FOR THE SERVERS WITH CKSD
  I.T. DEPARTMENT AND MODIFY AS NECESSARY

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CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

PROJECT#		18100
PE	ERMIT SET	
ISSUE DATE	DECEMBER	24, 2019
REVI	ISION SCHEDULE	

LEVEL 2 FLOOR PLAN -POWER

SHEET#

E21.13

S40

S50

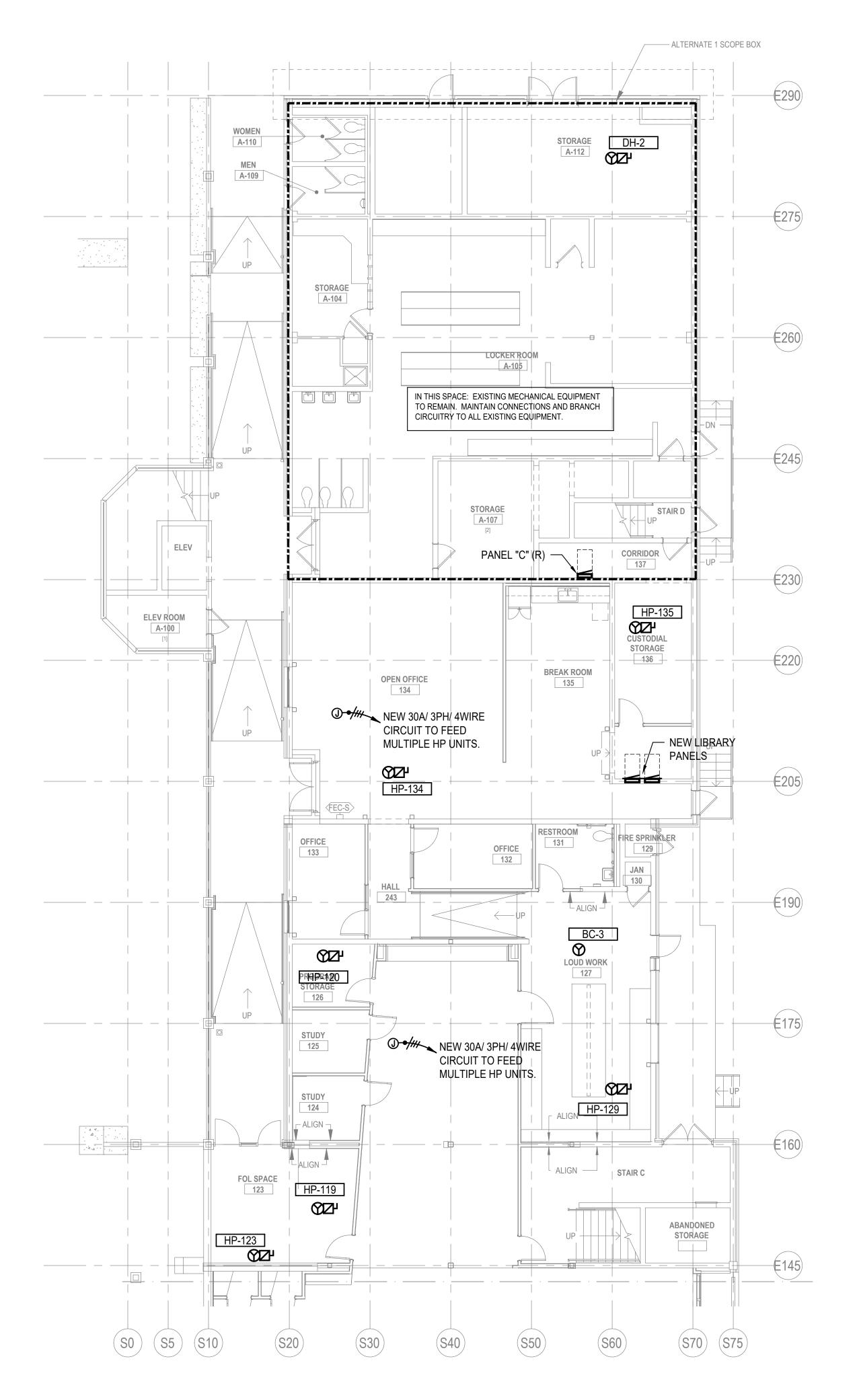
S60

S75

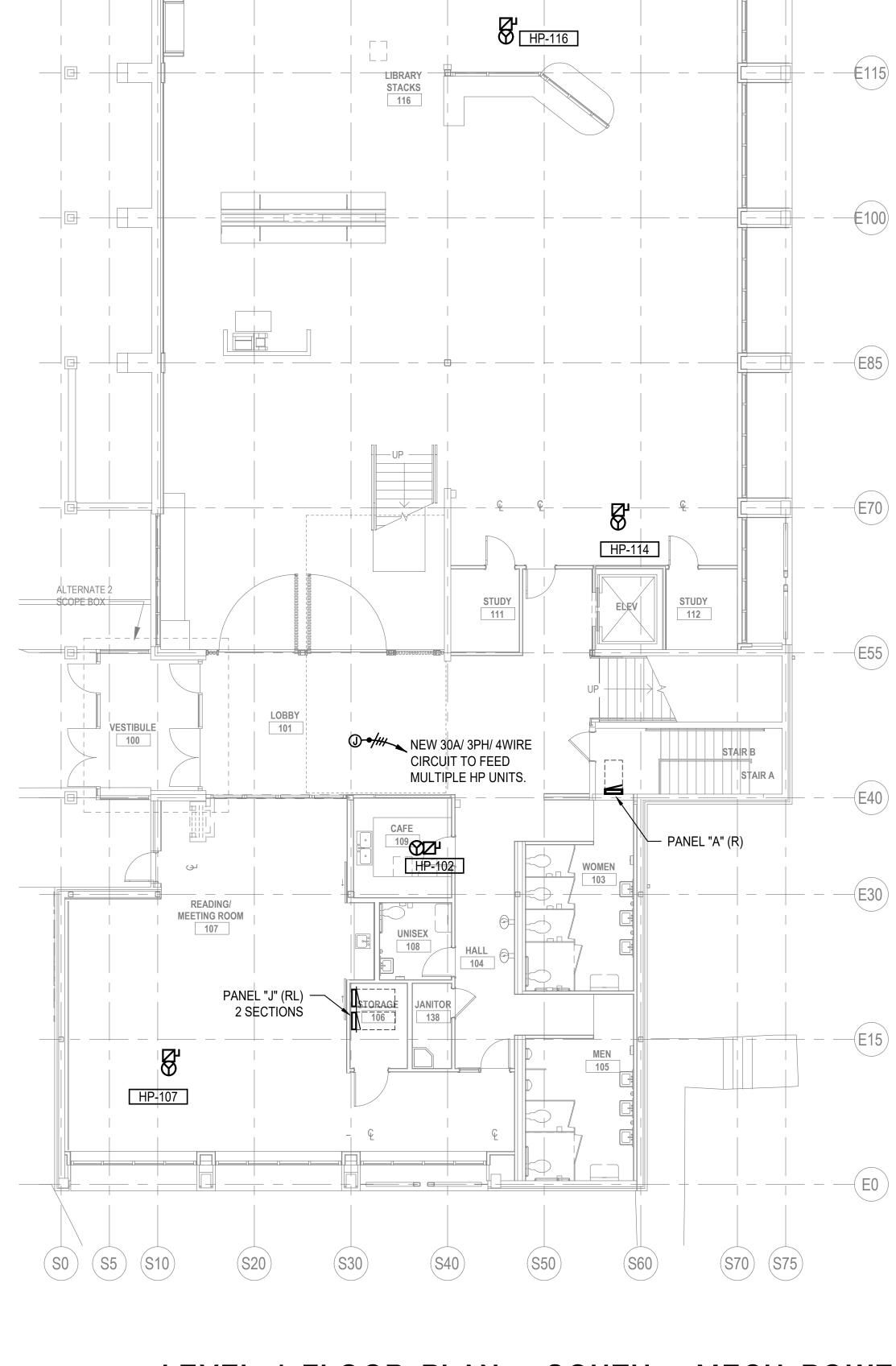
S30

S20

SO



LEVEL 1 FLOOR PLAN - NORTH - MECH POWER SCALE: 1/8"=1'-0"



O NEW 30A/ 3PH/ 4WIRE

CIRCUIT TO FEED

MULTIPLE HP UNITS.

PH BOOTH PH BOOTH ALIGN

HP-113

LEVEL 1 FLOOR PLAN - SOUTH - MECH POWER SCALE: 1/8\*=1'-0\*

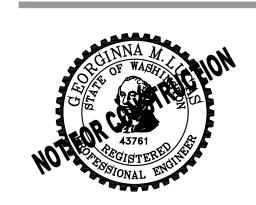
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ABANDONED

STORAGE



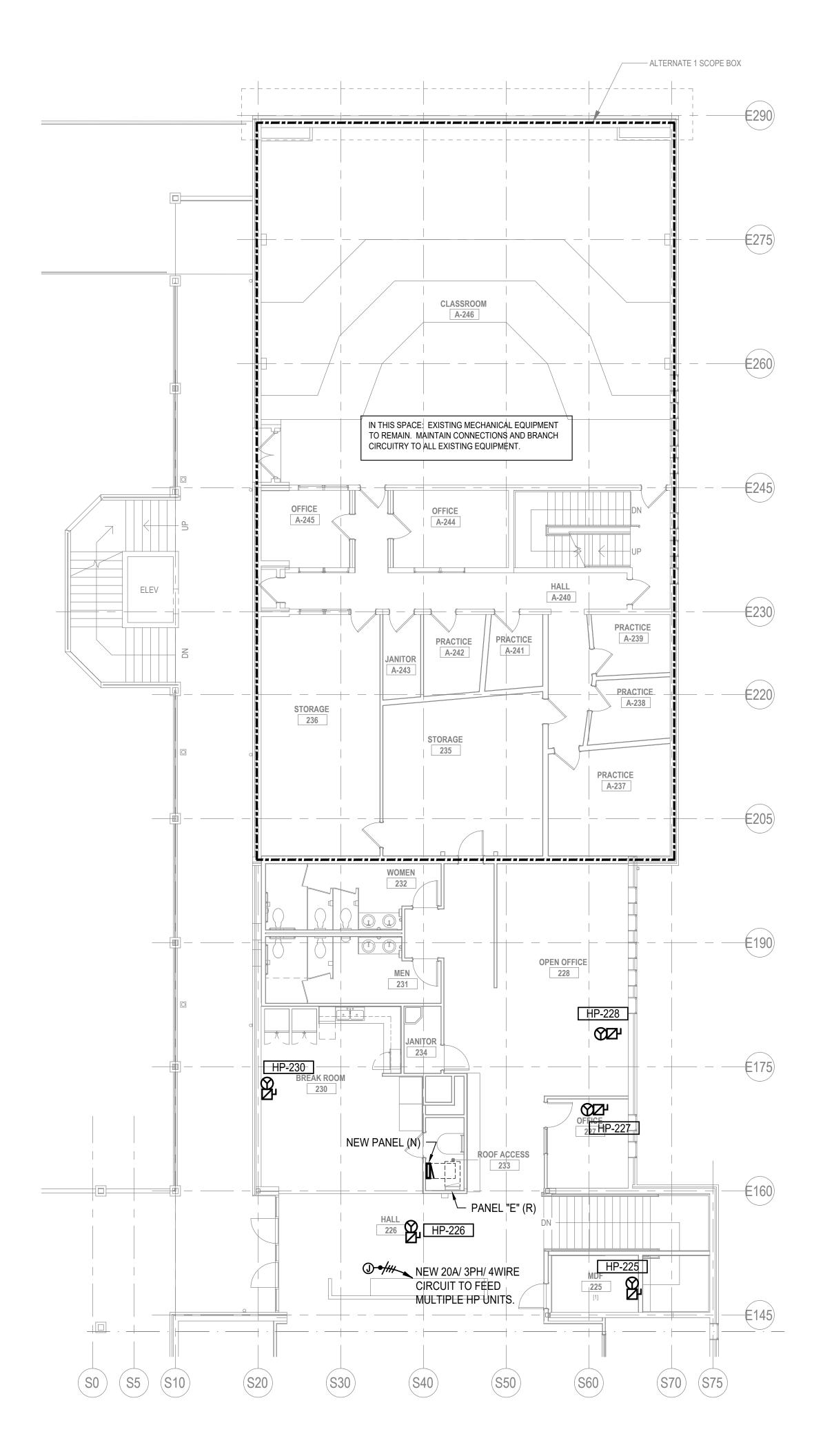


RENOVATION ERSON HILL RD KSD/ CKSD/ 900 BUILDING F

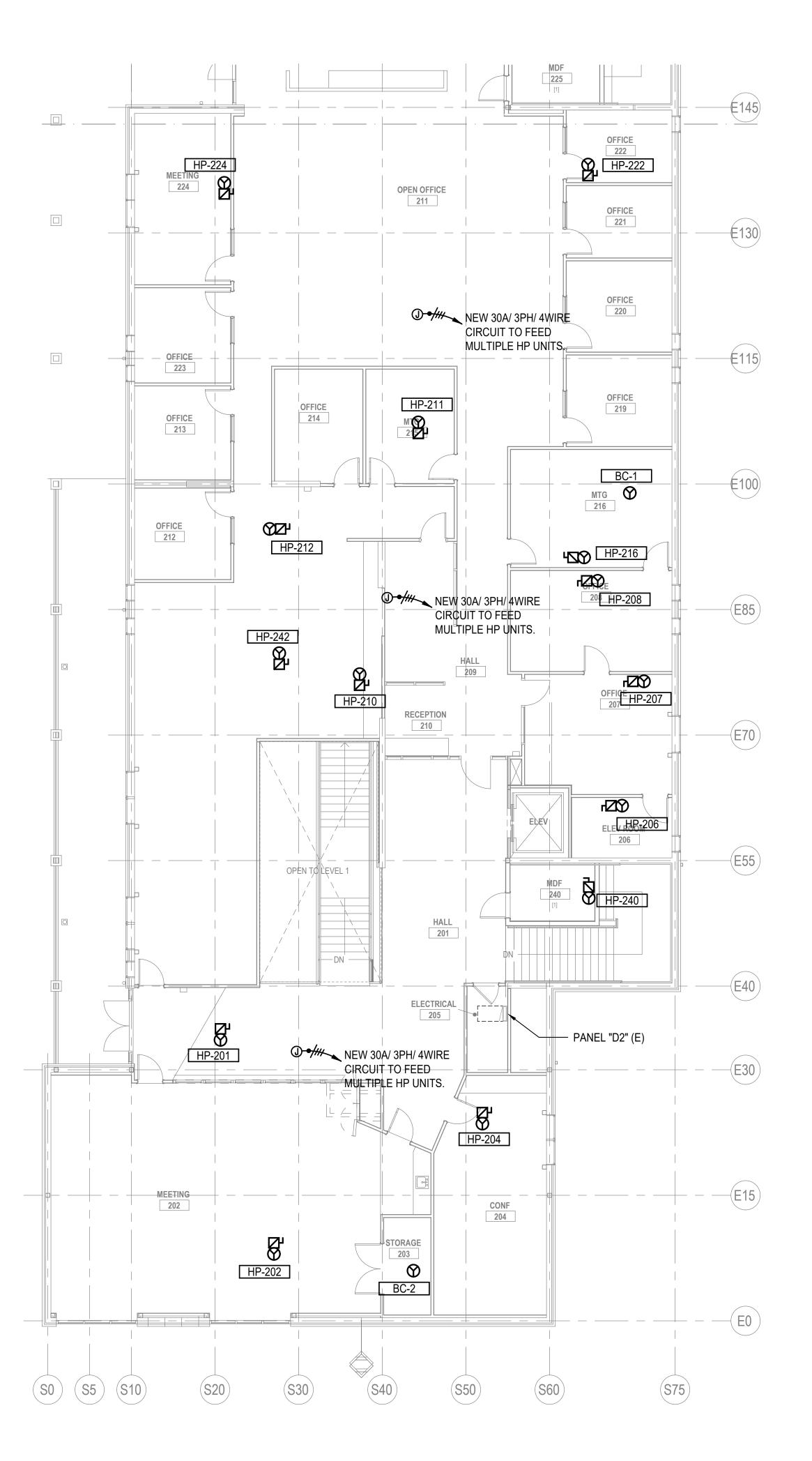
PROJECT# 18100 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE LEVEL 1 FLOOR PLAN -

MECHANICAL POWER

SHEET#

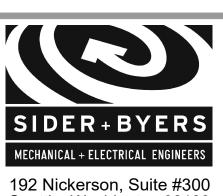


LEVEL 2 FLOOR PLAN - NORTH - MECH POWER SCALE: 1/8"=1'-0"



LEVEL 2 FLOOR PLAN - SOUTH - MECH POWER SCALE: 1/8"=1'-0"

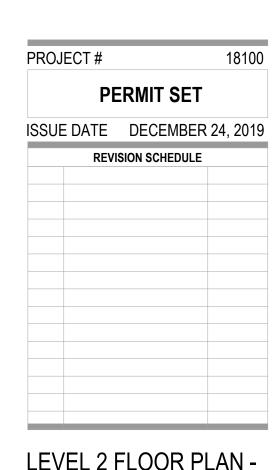
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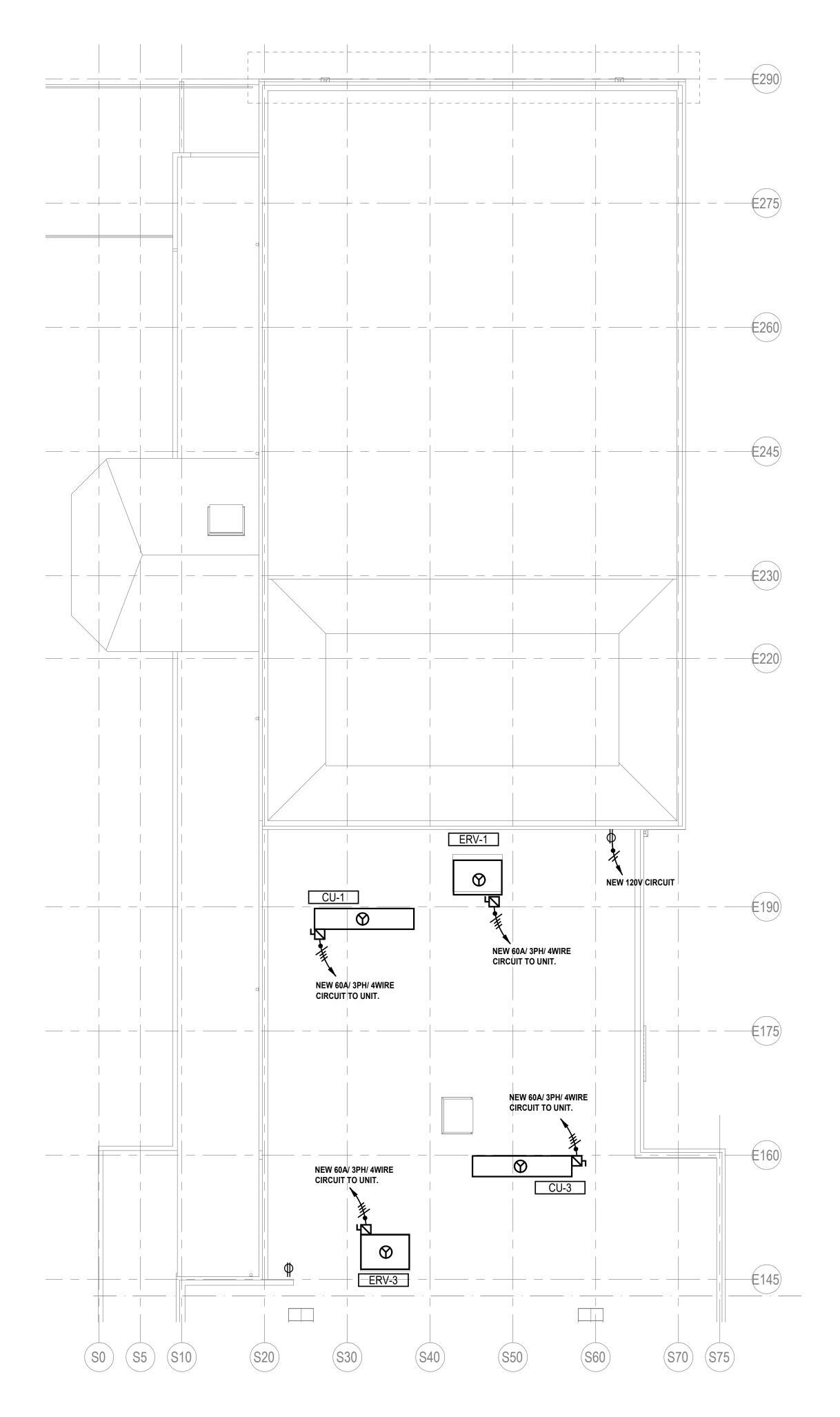


RENOVATION CKSD/
900 BUILDING R
3700 NW ANDERS
SILVERDALE, KSD/

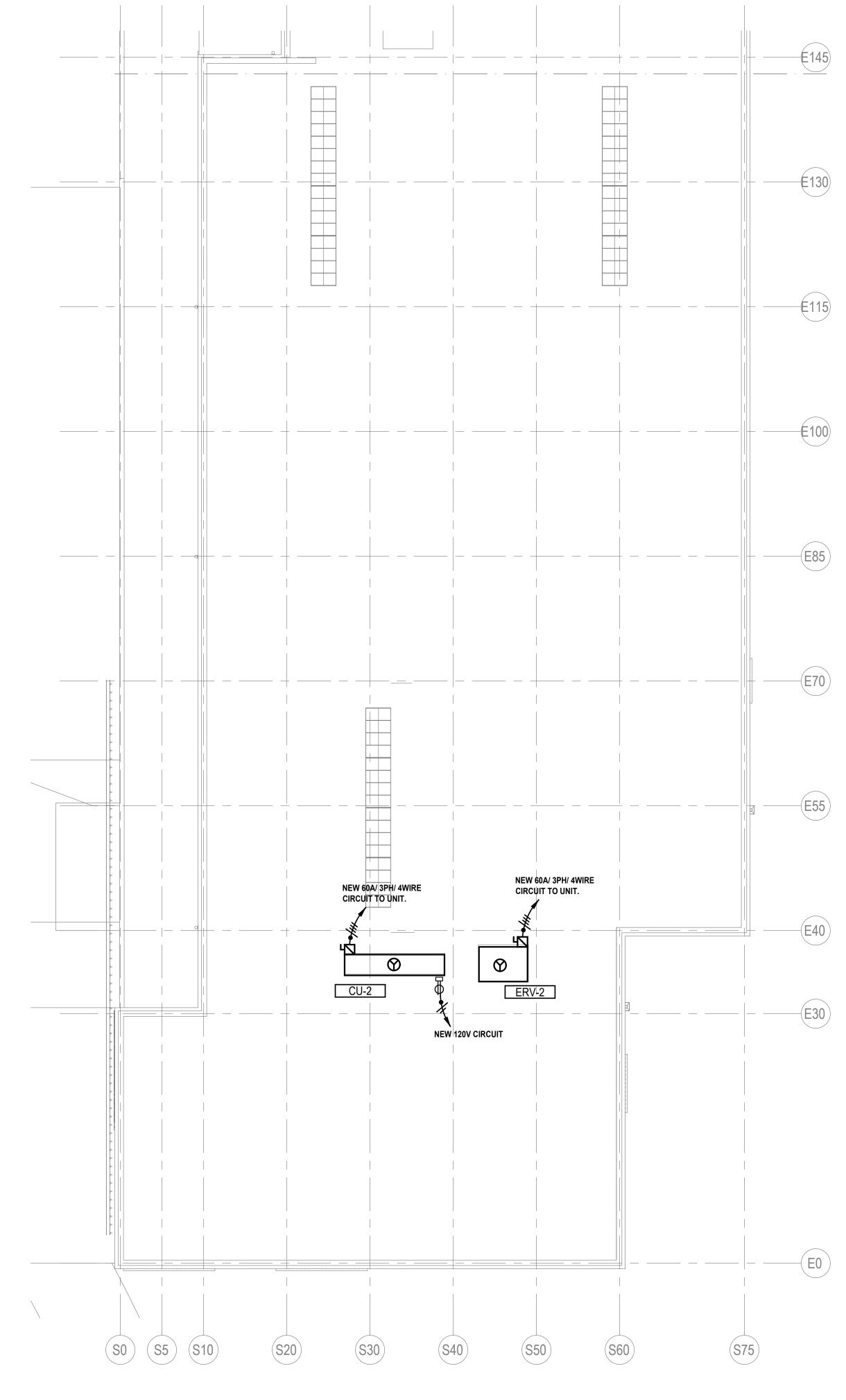


LEVEL 2 FLOOR PLAN -MECHANICAL POWER

SHEET#



ROOF PLAN - NORTH - MECH POWER
SCALE: 1/8'=1'-0'



ROOF PLAN - SOUTH - MECH POWER
SCALE: 1/8"=1'-0"

ARCHITECTURE INTERIORS PLANNING VIELAS

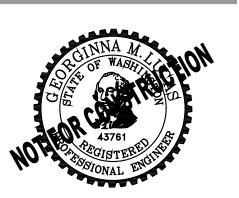
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MECHANICAL + ELECTRICAL ENGINEERS

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Seattle, Washington 98109
Phone: 206.285.2966



CKSD/ KRL 900 BUILDING RENOVATION

PROJECT # 18100

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

ROOF PLAN - POWER & MECHANICAL

SHEET#

## Reviewed for Code Compliance Kitsap County Building/ Fire Marshals 06/23/20203:19:53 PM kwlodarchak

## LIGHTING AND RECEPTACLE CONTROL NOTES

## DESIGN INTENT

- 1 . LIGHTING CONTROLS SHALL MEET ALL REQUIREMENTS OF THE 2015 WASHINGTON STATE ENERGY CODE.
- 2. A NEW LIGHTING CONTROL PANEL WITH AN ASTRO-TIMECLOCK SHALL BE INSTALLED FOR CONTROL OF EXTERIOR LUMINAIRES. SEE LIGHTING CONTROL PANEL SCHEDULE, THIS DRAWING.
- 3 . OCCUPANCY SENSORS ARE TO BE PROVIDED AS REQUIRED BY ENERGY CODE. ALL OCCUPANCY SENSORS SHALL FAIL ON.
- 4. AUTOMATIC DAYLIGHT RESPONSIVE DIMMING SHALL BE PROVIDED FOR ALL LUMINAIRES IN PRIMARY AND SECONDARY LIGHTING CONTROL ZONES AS REQUIRED BY ENERGY CODE. SEE LIGHTING PLANS.
- 5. NON-CURFEW EXTERIOR LUMINAIRES SHALL BE CONTROLLED VIA THE LIGHTING CONTROL PANEL TO BE ON FROM DUSK TO DAWN.
- 6. CURFEW EXTERIOR LUMINAIRES SHALL BE CONTROLLED VIA THE LIGHTING CONTROL PANEL TO BE ON FROM DUSK TO A PROGRAMMED CURFEW TIME TO BE DETERMINED BY THE OWNER. SEE THE LIGHTING CONTROL PANEL SCHEDULE, LIGHTING PLANS AND SITE PLAN FOR ADDTIONAL INFORMATION AND REQUIREMENTS.
- 7 . 50% OF THE RECEPTACLES IN EACH OFFICE SHALL BE AUTOMATICALLY CONTROLLED TO SHUT OFF WHEN NO ONE IS WITHIN THE OFFICE. NON-GFCI-TYPE RECEPTACLES SHALL BE HALF-SWITCHED: FOR DUPLEX RECEPTACLES THE TOP OUTLET SHALL BE AUTOMATICALLY CONTROLLED AND THE BOTTOM NON-CONTROLLED. FOR QUAD RECEPTACLES THE TWO OUTLETS ON THE LEFT SHALL BE CONTROLLED AND THE TWO OUTLETS ON THE RIGHT SHALL BE UNCONTROLLED. ALL CONTROLLED OUTLETS SHALL BE PROVIDED WITH PERMANENT LABELING AS PER NEC REQUIREMENTS. THE SAME OCCUPANCY SENSORS USED TO CONTROL THE LUMINAIRES IN EACH OFFICES SHALL ALSO CONTROL THE SWITCHED RECEPTACLES. THE CONTRACTOR SHALL PROVIDE RELAYS ULLISTED FOR 20 AMPS TO CONTROL ALL RECEPTACLE CIRCUITS.

## GENERAL REQUIREMENTS

- 1. ALL WORK SHALL COMPLY WITH CURRENT VERSIONS OF ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO THE 2015 WASHINGTON STATE ENERGY CODE, THE 2017 NATIONAL ELECTRICAL CODE WITH STATE AND LOCAL AMENDMENTS, AND THE 2015 INTERNATIONAL BUILDING CODE.
- 2. ALL ELECTRICAL EQUIPMENT, DEVICES, COMPONENTS, ACCESSORIES, ETC SHALL BE LISTED AND LABELED FOR THE INTENDED LOCATION AND APPLICATION BY A QUALIFIED TESTING AGENCY APPROVED BY THE LOCAL AHJ.
- 3. THE CONTRACTOR SHALL PROVIDE RELAYS, UL 924 BYPASS DEVICES, ETC IN QUANTITIES AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL PROJECT AS PRE CODE AND AS INDICATED IN THE CONTRACT DOCUMENTS.
- 4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL OCCUPANCY SENSORS:
- A. CEILING-MOUNTED DEVICES SHALL BE LOCATED AT LEAST 8 FEET FROM ANY HVAC EXHAUST DIFFUSERS UNLESS THE MANUFACTURER'S INSTRUCTIONS REQUIRED A LARGER DISTANCE.
- B. WALL-MOUNTED DEVICES SHALL NOT BE LOCATED SUCH THAT THEY ARE BLOCKED BY ANY DOORS WHEN DOORS ARE OPEN.
- 5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL OCCUPANCY SENSORS AND PHOTO SENSORS WITH THE MANUFACTURER'S INSTRUCTIONS, THE ARCHITECT AND ALL OTHER TRADES TO ENSURE PROPER FUNCTIONALITY AND COMPLETE COVERAGE OF INTENDED AREAS.
- 6. ALL LIGHTING CONTROLS SHALL BE COMMISSIONED AS REQUIRED IN THE WASHINGTON STATE ENERGY CODE. THE ELECTRICAL CONTRACTOR SHALL ENGAGE A FACTORY-AUTHORIZED FIELD REPRESENTATIVE TO INSPECT, TEST AND START-UP THE LIGHTING AND RECEPTACLE CONTROL SYSTEMS AND TO COORDINATE WITH THE COMMISSIONING AGENT FOR
- 7. THE CONTRACTOR SHALL ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN THE OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE AND MAINTAIN ALL LIGHTING CONTROLS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 8. WHEN REQUESTED WITHIN 12 MONTHS OF THE DATE OF THE SUBSTANTIAL COMPLETION OF THE PROJECT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ON-SITE ASSISTANCE IN ADJUSTING ALL LIGHTING CONTROL SYSTEMS AND DEVICES TO SUITE THE ACTUAL OCCUPIED CONDITIONS AND REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE UP TO TWO VISITS TO THE PROJECT DURING OTHER THAN NORMAL BUSINESS HOURS FOR THIS PURPOSE.

		LUMEN OUTPUT COLOR TEMP	BALLAST / DRIVER	TOTAL			RECESS			
MARK	DESCRIPTION DESCRIPTION	CRI	INFORMATION	WATTS	VOLTAGE	MOUNTING	DEPTH (IN)	MANUFACTURER	CATALOG NUMBER	NOTES:
	LED CYLINDER DOWNLIGHT, SURFACE MOUNTED, MEDIUM BEAM SPREAD, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1500 LUMENS 4000K 80+	0-10V DIMMING	15.0	120	SURFACE				
CL2	LED CYLINDER DOWNLIGHT, SURFACE MOUNTED, MEDIUM BEAM SPREAD, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	2000 LUMENS 4000K 80+	0-10V DIMMING	20.0	120	SURFACE				
LL1	LED STRIP LIGHT, 4-FT. SURFACE OR CHAIN-HUNG MOUNTING, ROUND ACRYLIC DIFFUSER	3000 LUMENS 4000K 80+	0-10V DIMMING	22.0	120	VARIOUS				
LL2	LED LINEAR WALL MOUNT, SQUARE ACRYLIC DIFFUSER, 4-FT LENGTH, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	3000 LUMENS 4000K 80+	0-10V DIMMING	30.0	120	SURFACE				
LL3	LED LINEAR COVE LIGHT, LENSED OR BAFFLE DIFFUSER, VERIFY FIXTURE LENGTHS	400 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	4W/FT	120	VARIOUS				
LL4	NOT USED	6U+								
LL5	LED 4-FT LINEAR PENDANT WITH 20% UPLIGHT AND 80% DOWNLIGHT. PROVIDE WITH SQUARE ENDCAPS AND DUST COVERS,	3000 LUMENS 4000K	0-10V DIMMING (STANDARD)	50.0	120	PENDANT				
LL6	INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED. CONFIRM SUSPENSION LENGTH WITH LINEAR LED GRAZER, ALUMINUM MOUNTING CHANNEL, VARIOUS LENGHTS	80+ 300 LUMENS/FT 4000K	0-10V DIMMING (STANDARD)	2W/FT	120	SURFACE				
LL7	LINEAR LED WALL WASH, ALUMINUM MOUNTING CHANNEL, FROSTED DIFFUSER, VARIOUS LENGHTS	80+ 300 LUMENS/FT 4000K	0-10V DIMMING (STANDARD)	2W/FT	120	SURFACE				
	LED 4-FT LINEAR PENDANT WITH DIRECT DISTRIBUTION, SQUARE EXTRUDED ALUMINUM HOUSING WITH FROSTED DIFFUSER, CONTINUOUS RUN LENGTHS, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED.	80+ 3000 LUMENS 4000K	0-10V DIMMING (STANDARD)	30.0	120	PENDANT				
	CONFIRM SUSPENSION LENGTH WITH ARCHITECT.  LED TAPE LIGHT WITH RECESSED HOUSING AND SEALED ACRYLIC DIFFUSER.  FIELD VERIFY EXACT LENGTHS AND POWER SUPPLY LOCATIONS WITH ARCHITECT AND CABINETRY.	80+ 300 LUMENS/FT 4000K	0-10V DIMMING (STANDARD)	2W/FT	120	RECESSED				
LL10	ENCLOSED AND GASKETED LINEAR IN ELEVATOR PIT, LED SOURCE	80+ 3000 LUMENS 4000K	ELECTRONIC	22.0	120	WALL / SURFACE				
		80+				CONTROL				
	DECORATIVE LED CYLINDER PENDANT, FROSTED DIFFUSER, 16-INCH DIAMETER,	2000 LUMENS	0-10V DIMMING							
	INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED DECORATIVE PENDANT, LED SOUIRCE, COLORED GLASS DIFFUSER	4000K 80+ 700 LUMENS	(STANDARD)  0-10V DIMMING	25.0	120	PENDANT				
PL2	DECORATIVE LED PENDANT, FROSTED DIFFUSER,	3000K 80+ 1500 LUMENS	(STANDARD)  0-10V DIMMING	10.0	120	PENDANT				
	INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	4000K 80+	(STANDARD)	15.0	120	PENDANT				
	RECESSED 2X4 BASKET FIXTURE, LED SOURCE, DIRECT/INDIRECT DISTRIBUTION,	2000 LUMENS								
RL1	INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED  RECESSED 2X4 BASKET FIXTURE, LED SOURCE, DIRECT/INDIRECT DISTRIBUTION,	4000K 80+ 2000 LUMENS	0-10V DIMMING (STANDARD)	25.0	120	RECESSED				$\perp$
RL2	INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	4000K 80+	0-10V DIMMING (STANDARD)	25.0	120	RECESSED				
RL3	RECESSED LINEAR FIXTURE, LED SOURCE, DIRECT DISTRIBUTION, FROSTED DIFFUSER LENS, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	3000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	30.0	120	PENDANT				
RL4	NOT USED									
RL5	RECESSED DOWNLIGHT, LED SOURCE, 6-INCH APERATURE, MEDIUM BEAM SPREAD, OPEN REFLECTOR INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1500 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	15.0	120	RECESSED				
	RECESSED DOWNLIGHT, LED SOURCE, 4-INCH APERATURE, MEDIUM BEAM SPREAD, OPEN REFLECTOR INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	10.0	120	RECESSED				
RL7	NOT USED									
	POLE MOUNTED AREA/PARKING LUMINAIRE, EXTURDED ALUMINUM HOUSING, LED SOURCE, FULL CUT-OFF OPTICS, TYPE II DISTRIBUTION, 25-FOOT ROUND POLE	10,000 LUMENS 3000K 90+	ELECTRONIC	113.0	120	POLE				
WL2	POLE MOUNTED PEDESTRIAN AREA LUMINAIRE, LED SOURCE, FULL CUT-OFF OPTICS, 8-FOOT POLE	4000 LUMENS 3000K 90+	ELECTRONIC	35.0	120	POLE				
WL3	NOT USED									
	SURFACE MOUNTED AREA LIGHT, SQUARE SHAPE TO MATCH EXISTING FIXTURES BEING REPLACED, DAMP LABEL RATED, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED.	1000 LUMENS 3000K 80+	ELECTRONIC	20.0	120	SURFACE				
WL5	SURFACE MOUNTED LED LINEAR WALL WASH, EXTERIOR / WET LABEL RATED,	400 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	5W/FT	120					
X1	LED SELF-POWERED EXIT SIGN; WHITE WITH GREEN LETTERING. PROVIDE WITH SELF DIAGNOSTICS AND POLYCARBONITE VANDAL SHIELD.			2.2	120	VARIOUS				
X2	LED EMERGENCY LIGHTING UNIT WITH SEALED, MAINTENANCE-FREE LEAD ACID BATTERY. UNIT PROVIDES 1FC AVERAGE ON A 6-FT WIDE EGRESS PATH WITH 50-FT SPACING BETWEEN FIXTURES.			1.2	120	WALL				

## ~

- NOTES:

  1. PROVIDE ALL PARTS, COMPONENTS, AND HARDWARE TO CONSTITUTE A COMPLETE INSTALLATION WITH OPTIONS INDICATED IN LUMINAIRE SCHEDULE. CATALOG NUMBERS FOR SUCH ITEMS ARE NOT INCLUDED IN SCHEDULE ABOVE.
- PROVIDE ALL PARTS, COMPONENTS, AND HARDWARE TO
   COORDINATE ALL COLORS / FINISHES WITH ARCHITECT.

LUMINAIRE SCHEDULE

- 3. WHERE SWITCHING OF EMERGENCY LUMINAIRES IS INDICATED ON THE PLANS, PROVIDE UL 924 BYPASS DEVICES PER CODE REQUIREMENTS.
- 4. SEE LIGHTING PLANS FOR MOUNTING AND FACES / ARROWS AT EACH LOCATION.5. SEE LIGHTING PLANS FOR MOUNTING.
- 6. PROVIDE PENDANT / UNISTRUT MOUNTING AS NEEDED AS AREAS WITH INSULATION ON THE CEILING. SEE ARCHITECTURAL PLANS FOR INSULATED AREAS.

ARCHITECTURE INTERIORS PLANNING VIELAB

275 FIFTH STREET, SUITE 100 BREMERTON, WA 98337 360-377-8773 RFMARCH.COM



192 Nickerson, Suite #300 Seattle, Washington 98109 Phone: 206.285.2966



## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

PROJECT # 18100

PERMIT SET

ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

LUMINAIRE SCHEDULE

UEET "

E30.01

Lighting S		ance Forms for Commercial Buildings includ	ing R2 R3 R4 over:	3 stories and all R1	LTG-SUM Revised Nov 2017
Project Info	Project Title:	CKSD / KRL 900 BUILDING RENOVATION	_	Date	12/21/2018
Compliance forms do not		n. Provide contact information for individual about compliance form information provided		For Building Departn	nent Use
require a password to	Company Name:	SIDER+BYERS ENGINEERS			
use. Instructional and calculating cells are write-	Company Address: Applicant Name:	192 NICKERSON ST SEATTLE WA 98109 RYAN ARP			
protected.	Applicant Phone:	206-285-2966		-	
	Applicant Email:	RYAN@SIDERBYERS.COM			
Project Descrip	otion	☐ New Building ☐ Addition  Include PROJ-SUM form (included in envelopment)	✓ Alte elope forms workboo		No Lighting Scope
Interior Lighti Description	ng System				
Briefly describe inte type and features.	rior lighting system				
✓ Interior Lighting	Plans Included				
Interior Lighti Allowance Me	9	■ Building Area Method  Select method used in project.	Space	ce-by-space Method	
Interior Lighti	ng Controls	✓ All C405.2.1 - C405.2.8 Lighting Contro		5.2 Exception 5 Lumin	naire Level
	mpliance for lighting	Additional Efficiency Package Option C406.4 Enhanced Digital Lighting Con	— Ligh	ting Controls (LLLC)	
controls.		To comply with C406.4, no less than 90%		interior lighting power	shall comply with the
Drugiling Unit	Intorior	required controls per C406.4.			
Dwelling Unit Lighting	interior	Permanently installed interior lighting fixture  C405.2 thru C405.5 Commercial Lightin	_	omply with:	No Dwelling Units
8 - 8		○ C406.3 High Efficacy Lighting			
		R404.1 Residential High Efficacy Lighti		ghting complies with V eu of WSEC Commer	
Exterior Lighti	ng System				
Description					
Briefly describe exte	erior lighting system				
✓ Exterior Lighting	Plans Included				
Building Addi		Compliance Method	<u> </u>	Interior lighting	Exterior lighting
, unuing 1 uu		Lighting systems in addition area comply	w ith all applicable		П
Refer to Section C50 requirements.	02.2.6 for additional	provisions as a stand alone new construction.  Lighting systems in addition are combined.			<u> </u>
		building lighting systems to demonstrate of Addition is combined with existing:	compliance		<u>L</u>
		For interior lightingprojects, include nev Lighting Wattage table in LTG-INT-BLD of For exterior lighting projects, include nev Proposed Tradable and Proposed Non-1	or LTG-INT-SPACE t w+ existing-to-remai	örm. in exterior lighting fixtu	ıre wattage in
Lighting S	ummary, co	ont.			LTG-SUM
	te Energy Code Complia	ance Forms for Commercial Buildings includ	ing R2, R3, R4 over		Revised Nov 2017 12/21/2018
Change of Spa		LDING RENOVATION	roos under geing e	Date	
enange or spi	ice <b>0</b> 3c	Existing interior lighting systems in a comply with LPAs for the new space  Identify interior spaces requiring LPD upg	types per Tables C4	05.4.2(1) or C405.4.2	(2).
nterior and Ex	of anima	LTG-INT-BLD or LTG-INT-SPACE form.	la é a vi a v li a la éira a	Daulina nanana	Estavian limbina
Lighting Alter		Lighting Power	Interior lighting	Parking garage	Exterior lighting
Select all Lighting Po	ower and Lighting	50% or more of existing are replaced  Less than 50% of existing are replaced			
of the retrofit project combination of spac	. If project includes a	Lamp and/or ballast replacement only – existing total w attage not increased			
some spaces, and 50 fixtures are replaced	0% or more of the	<b>50% or more replaced</b> - Total lighting p			
provide separate light compliance forms fo	hting power	LPA per Sections C405.4.2 and C405.5.5 Wattage table in LTG-INT-BLD, LTG-INT	T-SPACE or LTG-EX	T form.	
conditions. Spaces utype of retrofit may b		Less than 50% replaced - Total lighting total lighting power prior to alteration. In	clude new+ existing	-to-remain fixtures in t	
lighting power compl		Wattage table in LTG-INT-BLD, LTG-INT 50% threshold applies to number of lun			ages, and total
Refer to Section C50 requirements.	วร.6 for additional	installed wattage for exterior luminaires.  Lighting Controls	Interior lighting	Parking garage	Exterior lighting
All alteration lighting commissioned per C		New w iring installed to serve added fixtures and/or fixtures relocated to new circuit(s)	w		✓
		New or moved lighting panel	✓		V
		Interior space is reconfigured - luminaires unchanged or relocated only			
		New wiring or circuit - For interior lighti			
the interior or systems and e	re being made to exterior lighting existing space figuration a re not	sensor controls per C405.2.1, daylight re controls per C405.2.5. For exterior lightir New or moved panel - Provide all applic time switch controls per C405.2.2. Reconfigured interior space - Provide a	ng, provide required o cable lighting controls all required lighting c	controls per C405.2.7. s as noted for New Wi. ontrols that apply to a	ring and automatic new interior space.

Application specific lighting control provisions per C405.2.5 do not apply to reconfigured spaces.

changed.

Project Title:	CKSD / KBI 900 BI	JILDING RENOVATION		Date	12/21/2018
	TOTAL SOUR			For Building Dep	· ·
Calculation	New Construc	tion Addition - Addition + existin	g Clear	To Building Dep	artificiti 030
Area NOTE 9	Spaces w here	e < 50% of Spaces where ≥ 50% of Spaces replaced luminaires are replaced is chang	_		
LPA	Standard	Additional Efficiency Package Option C406.3 Reduced Interior Lighting Power			
Calculation	To comply with C4	C406.3 Reduced Interior Lighting Fow for the Proposed LPD shall be 25% lower than the T			
Type	Refer to C406.3 fc	or additional requirements.		User Note	
Maximum A	llowed Lighti	ng Wattage NOTE 1			
Building Area	Location (plan #, room #, or ALL)	Area Description	Gross Interior Area in ft <sup>2</sup>	Allow ed Watts per ft²	Watts Allow ed (w atts/ft² x are
Office		LEVEL 2 - CKSD ADMIN OFFICES	11700 12940	0.66	7722 12164
Library		LEVEL 1 - KITSA P REGIONAL LIBRARY	12940	0.94	12104
			0.40.40	<u> </u> 	
Proposed Li	ghting Wattag	Total j <b>e</b>	24640		
Puilding Aroo	Location (plan #,	Fixture Description NOTE 3, 4, 5, 6	Number of	Watts per Fixture NOTE 7	Watts Propose
Building Area Library	room#)	CL1	Fixtures 14	15	210
Library		CL2	14	20	280
Library		LL1	14	22	308
Library		LL2	9	30	270
Library Library		LL3 (watts/foot)	69	4	276
Library		LL4	93		210
Office		LL5	42	50	2100
Library		LL6 (watts/foot)	126	2	252
Library		LL7 (watts/foot)	59	2	118
Library		LL8	37	30	1110
Library		LL9 (watts/foot)	10	2	19
Library		LL10	1	22	22
Library		PL1	56	25	1400
Library		PL2	8	10	80
Office		PL3	5	15	75
Library		RL1	36	25	900
Office		RL2	74	25	1850
Library		RL3	59	30	1770
•		RL4			
Library		RL5	46	15	690
Office		RL6	20	10	200
		RL7			
 Compliance	by Building A	l Aroa NOTE8			
-			Total Allow ed	Total Proposed	Interior Lighting
Building Area		Warnings	Watts	Watts	Power Allowan
Office	Confirm all fixtures relative to maximum	are reported under proposed lighting - low watts nallowed.	7722	4225	COMPLIES
Library			12164	7705	COMPLIES
					_

Note 3 - Proposed fixtures must be listed in the building area in which they occur. List all proposed lighting fixtures including exempt

For track lighting, list the length of the track (in feet) in addition to the fixture, lamp, and ballast information.

Note 5 - For lighting equipment eligible for exemption per C405.4.1, note exception number and leave Watts/Fixture blank.

between Building Area types is not allowed under the Building Area Method compliance path.

Note 4 - For proposed Fixture Description, indicate fixture type, lamp type (e.g. T-8), number of lamps in the fixture, and ballast type (if included).

Note 7 - For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For

luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low voltage lighting, enter the wattage of the transformer. For line voltage track/busway systems, enter the larger of the attached luminaire wattage or

a. Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building lighting systems to demonstrate compliance. Refer to C502.1.
b. For alterations and building additions, provide Building Area types and gross interior areas in the Maximum Allowed Lighting Wattage table. If a building addition will comply as combined with the overall existing building lighting systems, include all applicable existing

Note 6 - Existing-to-remain fixtures shall be included in the Proposed Lighting Wattage table in the same manner as new fixtures. Identify as

50 watts/lineal foot, or enter the wattage limit of permanent current limiting device.

Note 8 - Proposed Wattage for each Building Area type shall not exceed the Allowed Wattage for that Building Area type. Trading wattage

c. If less than 50% of existing lighting fixtures will be replaced, use LTG-INT-SPACE form to document compliance.

lighting equipment and existing-to-remain fixtures.

Building Area types and gross interior areas.

existing in fixture description.

Note 9 - Calculation Area Details:

<b>Exterior Lightin</b>			
2015 Washington State Energy Project Title:	Code Compliance Forms for Commercial Buildings	including R2, R3, R4 ove	
<u> </u>	CKSD / KRL 900 BUILDING RENOVATION		Date
Exterior Lighting	◯ Zone1 ◯ Zone2 ⊚ Zone3 (	◯ Zone 4 🕒 Clear	For Building Departi
Zone	Exterior Lighting Zone selection required to ena Zones are defined in Table C405.5.2(1) and sp		
Calculation Area		and alone	
	Alteration with < 50% ext. wattage replaced Alteration with < 50% wattage replaced	ith≥50% ext. laced ⊖ Clear	User Note
Building Grounds	☐ Efficacy > 80 lumens/w att ☐ Exemp	otion	
Applies to individual luminaires > 100 Watts	Controlled by motion sensor		
Tradable Maximum	Allowed Lighting Wattage NOTE 1		Base Site Allow ance
		Area (ft²), perimeter	Allow ed Watts
Tradable Surfaces	Surface Description	(If) or # of items	per ft <sup>2</sup> or per lf
Uncovered Parking and drives	REVISED PARKING LOT A REA	12970	0.08 W/ft2
Grounds Walkways >10' wide	NEW LEVEL 2 PLAZA	1670	0.16 W/ft2
			27 211 22/4/
Tradable Proposed	ا Lighting Wattage المحافظة	otal Allow ed Tradable + 3	Site Allow ance Watt
Tradable Proposed	Lighting Wattage NOTE 3	Number of	Watts per
Tradable Surface	Lighting Wattage NOTE 3  Fixture Description NOTE 4, 5	Number of Fixtures	Watts per Fixture <sup>NOTE 6</sup>
•	Lighting Wattage NOTE 3	Number of	Watts per
Tradable Surface	Fixture Description NOTE 4, 5  WL1	Number of Fixtures	Watts per Fixture <sup>NOTE 6</sup>
Tradable Surface Uncovered Parking and drives Grounds Walkways >10' wide	Fixture Description NOTE 4, 5  WL1  WL2  may not exceed the sum of total allowed tradable	Number of Fixtures  3 5	Watts per Fixture NOTE6 113 35
Tradable Surface Uncovered Parking and drives Grounds Walkways >10' wide  Total proposed tradable watts watts plus the base site allowa	Fixture Description NOTE 4, 5  WL1  WL2	Number of Fixtures  3 5	Watts per Fixture NOTE 6 113 35
Tradable Surface Uncovered Parking and drives Grounds Walkways >10' wide  Total proposed tradable watts watts plus the base site allowa tradable watts comply can be a	Fixture Description NOTE 4, 5  WL1  WL2  may not exceed the sum of total allowed tradable nce. Any base site allowance not needed to make	Number of Fixtures 3 5	Watts per Fixture NOTE6  113  35  oosed Tradable Watte
Tradable Surface Uncovered Parking and drives Grounds Walkways >10' wide  Total proposed tradable watts watts plus the base site allowa tradable watts comply can be a	Fixture Description NOTE 4, 5  WL1  WL2  may not exceed the sum of total allowed tradable nce. Any base site allowance not needed to make applied to individual non-tradable categories.	Number of Fixtures 3 5	Watts per Fixture NOTE 6 113

Didg. raçade	LIVINI TAÇADE	1300	0.119 07 102	
Non-Tradable Prop	osed Lighting Wattage NOTE 3,7			
		Number of	Watts per	Watts
Non-Tradable Surface	Fixture Description NOTE 4, 5	Fixtures	Fixture NOTE 6	Proposed
Bldg. Façade	WL5 (watts / foot)	65	5	325
Non-tradable proposed watts may not exceed allowed watts for any individual surface unless the total excess watts for all non-tradable surfaces are less than the		Non-Tradable Watts Exceeding LPA:		178
		Non-Tradable	Valts Exceeding LPA:	

**Exterior Lighting** 

COMPLIES WITH MAX. ALLOWANCE

Note 1 - List all exterior surfaces per Table C405.5.2(2) that occur in the project scope. Select exterior surface categories from drop down menu.

Note 2 - Unlit Message - Enter lighting fixture information for this surface in Proposed Lighting Wattage table to generate Lighting Power Allowance.

Note 3 - List all proposed lighting fixtures including existing-to-remain fixtures.

Note 4 - For proposed Fixture Description, indicate fixture type, lamp type, number of lamps in the fixture, and ballasttype (if applicable).

Note 5 - Existing-to-remain fixtures shall be included in the Tradable and Non-Tradable Proposed Lighting Wattage tables in the same manner

as new fixtures. Identify as existing in fixture description.

Note 6 - For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low

luminaires with screw-in lamps, enter the manufacturer stisted maximum put wattage of the instance (not the wattage of the transformer.

Note 7 - Automated Teller and Night Depositories - For each location, enter the number of ATM machines or depositories within that location. If there are multiple locations in the project, enter each location individually in the Non-Tradable Maximum Allowed Lighting Wattage table and identify the location in the Surface Description section.

ARCHITECTURE INTERIORS PLANNING VIELAS

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BREMERTON, WA 98337

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## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

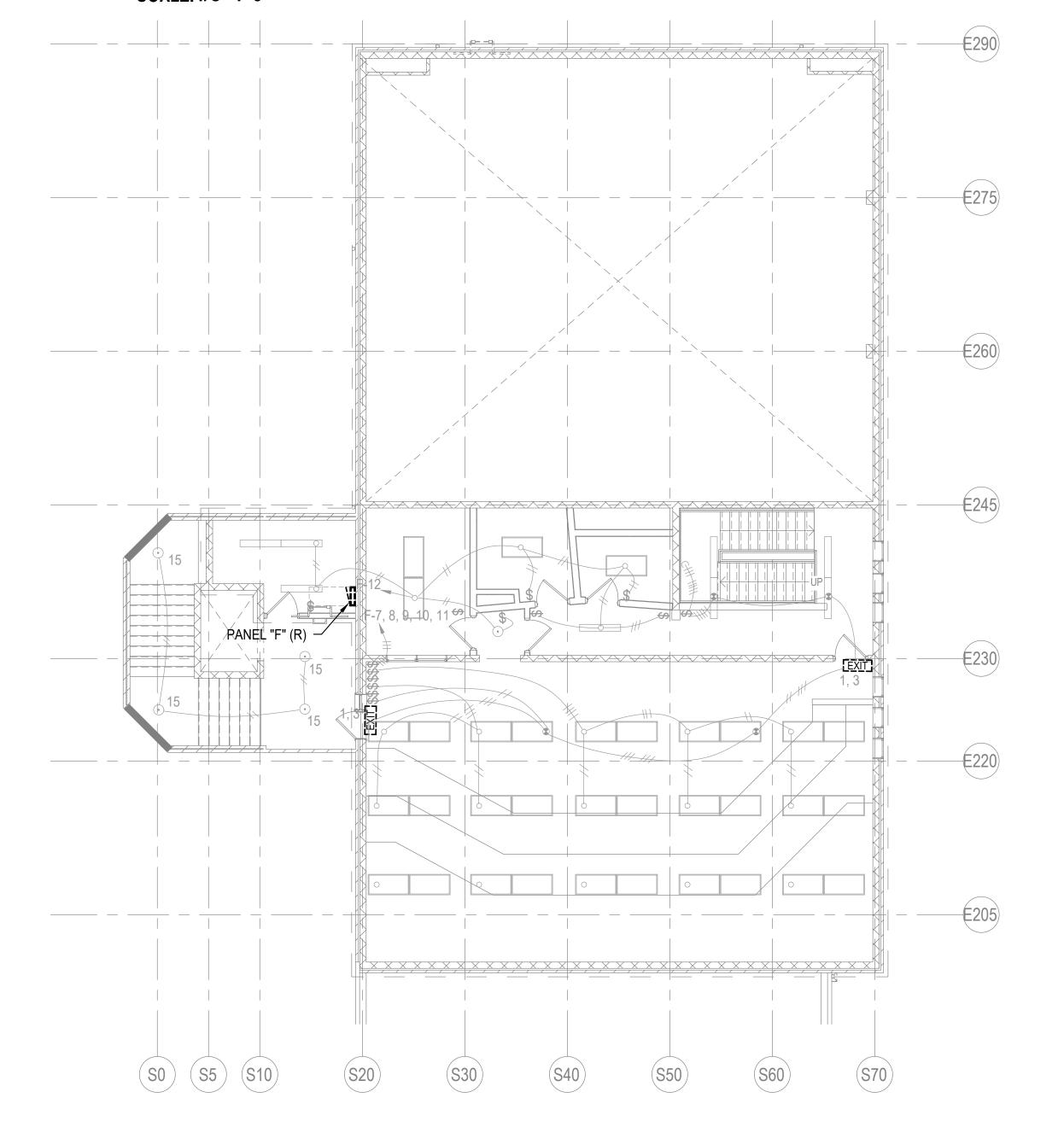
PROJ	ECT#		181			
PERMIT SET						
ISSUE	DATE	DECEMBER	24, 20			
	REVISION SCHEDULE					

LIGHTING -NREC CODE FORMS

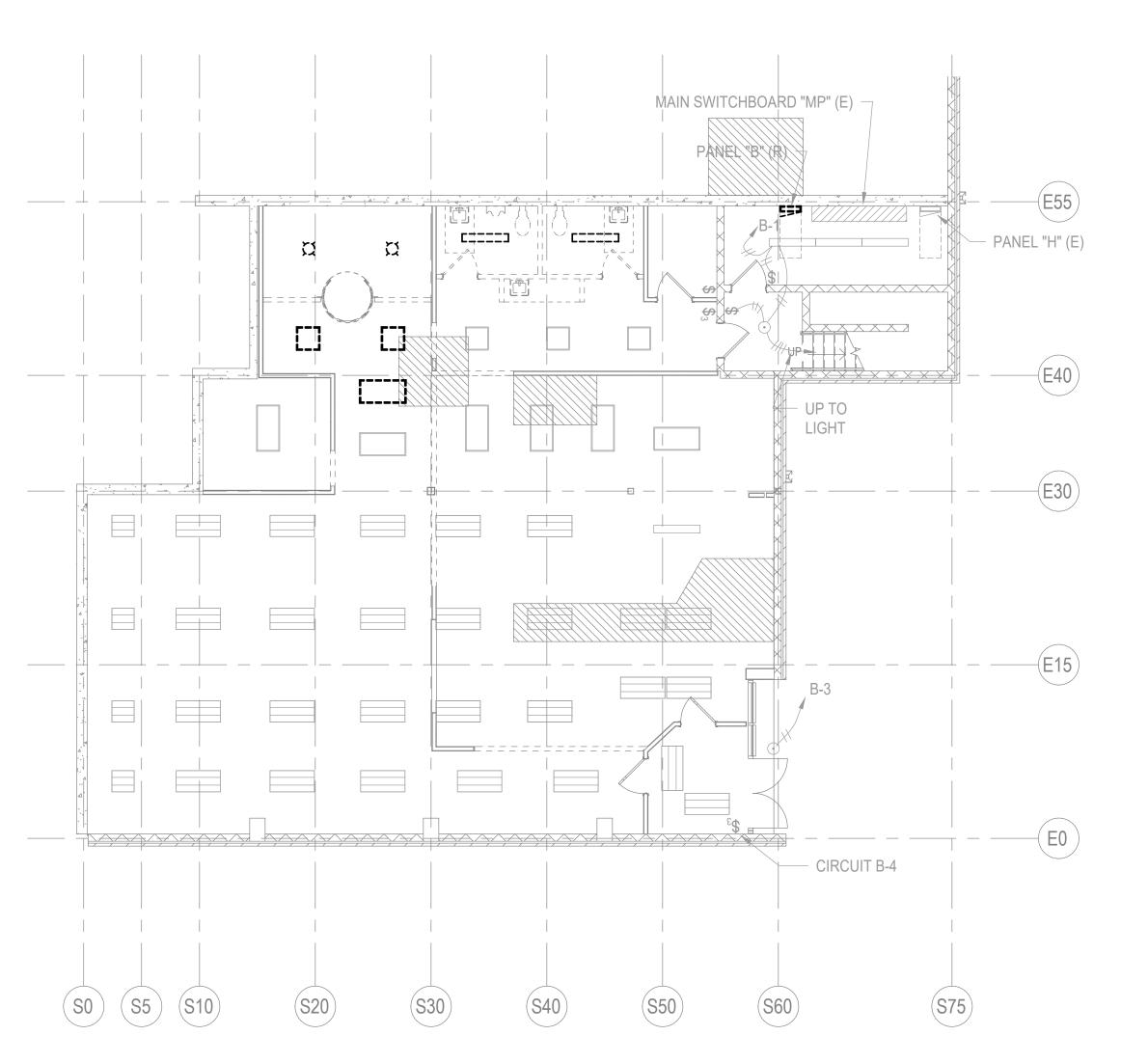
SHEET#

E30.02

## GYM DEMOLITION FLOOR PLAN - LIGHTING SCALE: 1/8'=1'-0'



LEVEL 3 DEMOLITION FLOOR PLAN - LIGHTING
SCALE: 1/8'=1'-0'



BASEMENT DEMOLITION FLOOR PLAN - LIGHTING
SCALE: 1/8'=1'-0'

ARCHITECTURE INTERIORS PLANNING VIELAB

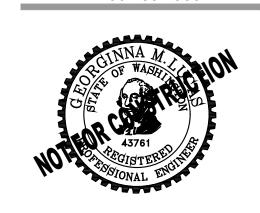
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337

360-377-8773

SIDER + BYERS

MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300 Seattle, Washington 98109 Phone: 206.285.2966



# CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

PROJECT # 18100

PERMIT SET

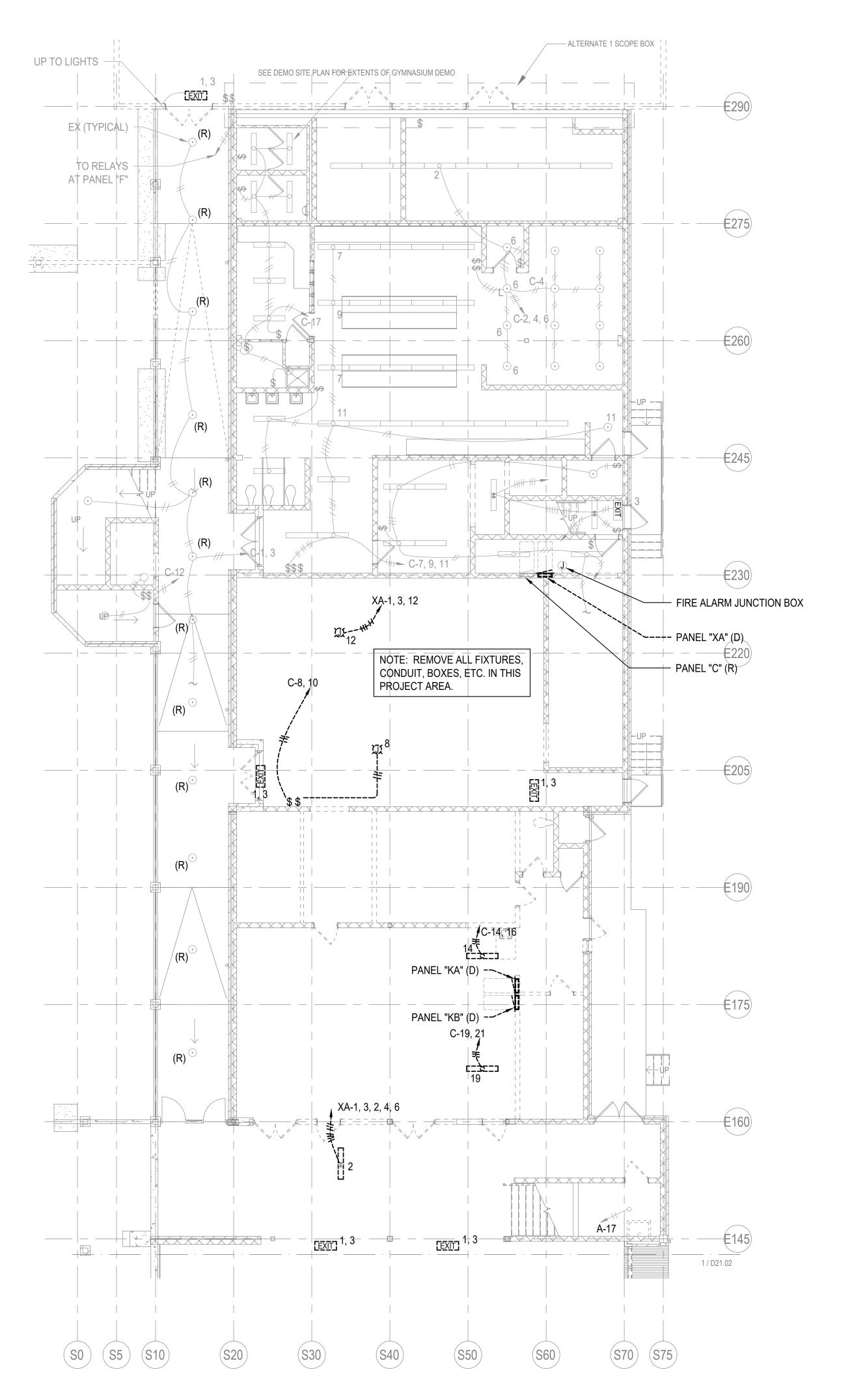
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

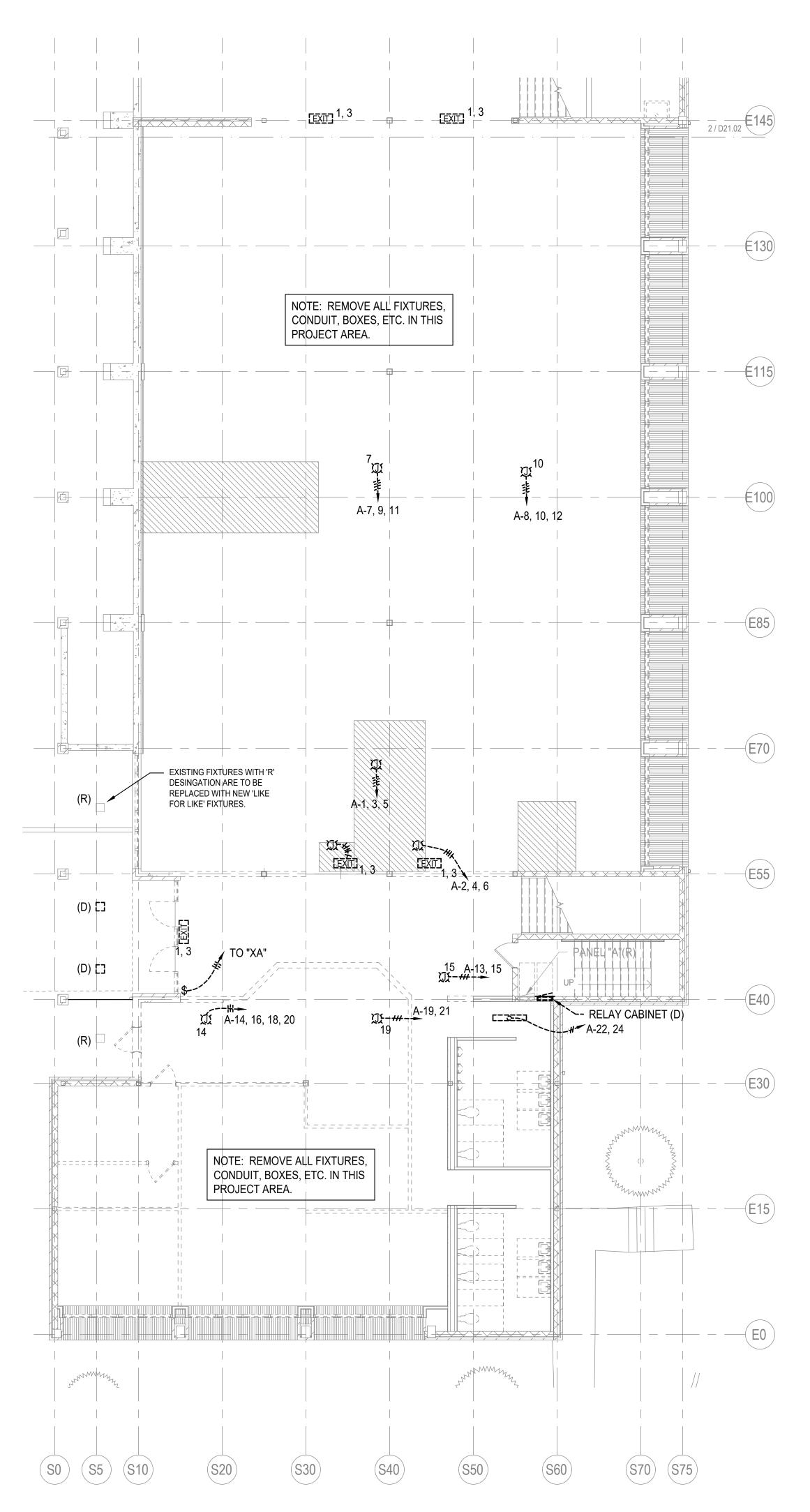
BASEMENT AND LEVEL
3 DEMOLITION FLOOR

3 DEMOLITION FLOOR LIGHTING PLANS

SHEET#



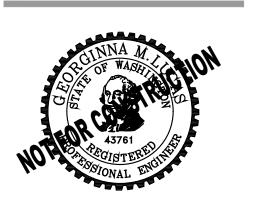
LEVEL 1 DEMOLITION FLOOR PLAN - NORTH - LIGHTING
SCALE: 1/8\*=1'-0\*



LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH - LIGHTING
SCALE: 1/8'=1'-0'

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## CKSD/ KRL 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD SILVERDALE, WA 98383

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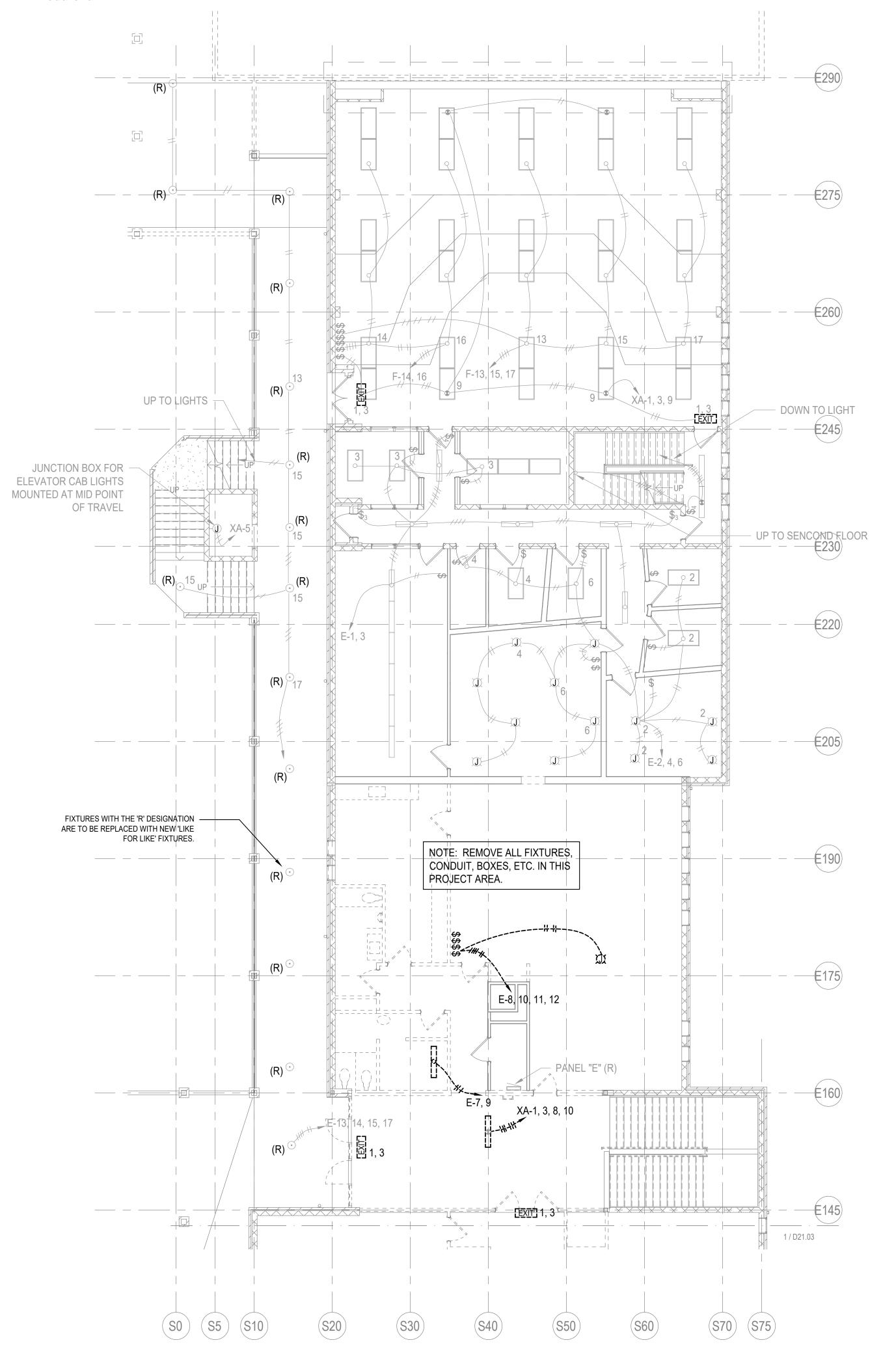
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

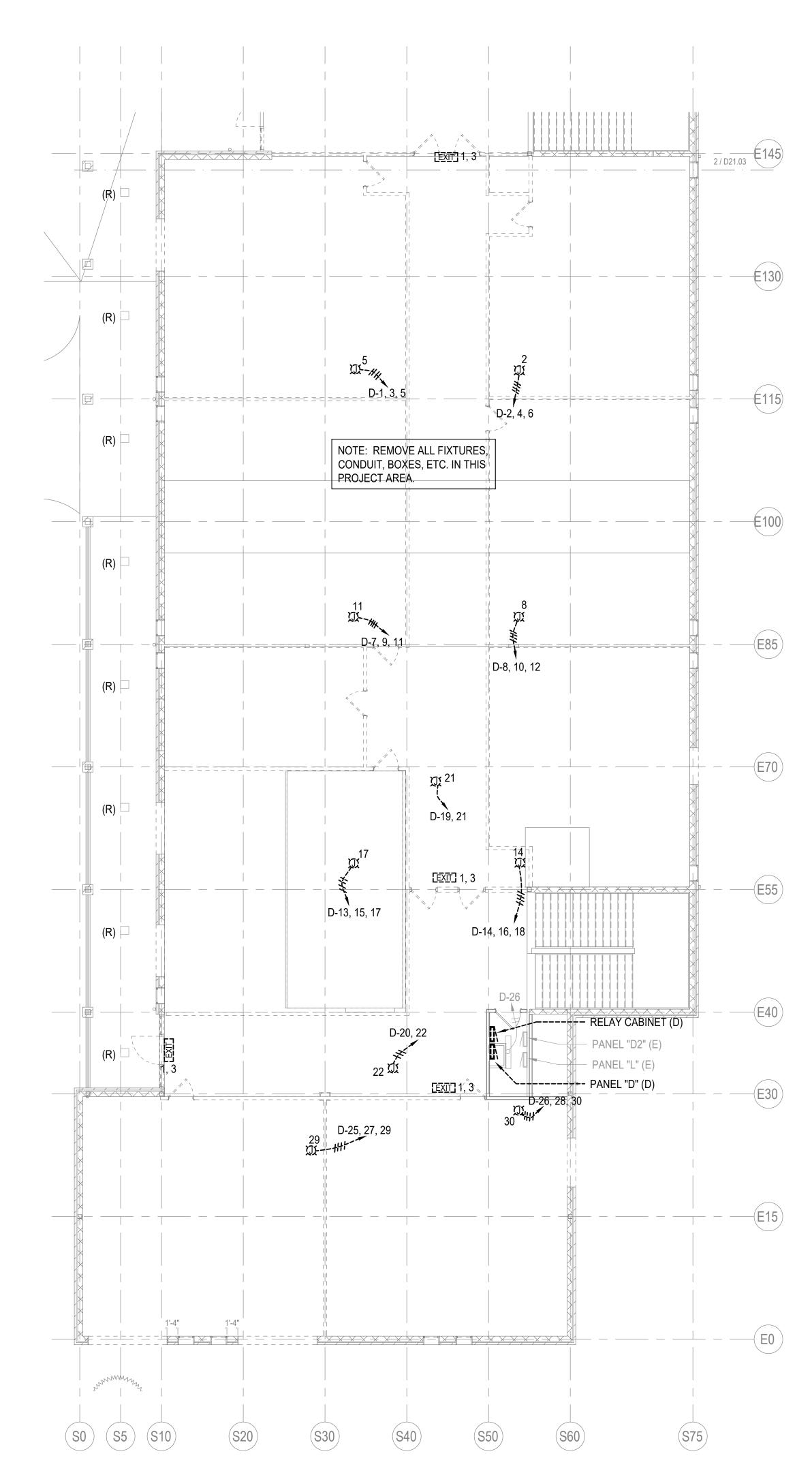
LEVEL 1 DEMOLITION
FLOOR LIGHTING

=T #

PLAN



LEVEL 2 DEMOLITION FLOOR PLAN - NORTH - LIGHTING
SCALE: 1/8'=1'-0'



LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH - LIGHTING
SCALE: 1/8\*=1'-0\*

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## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

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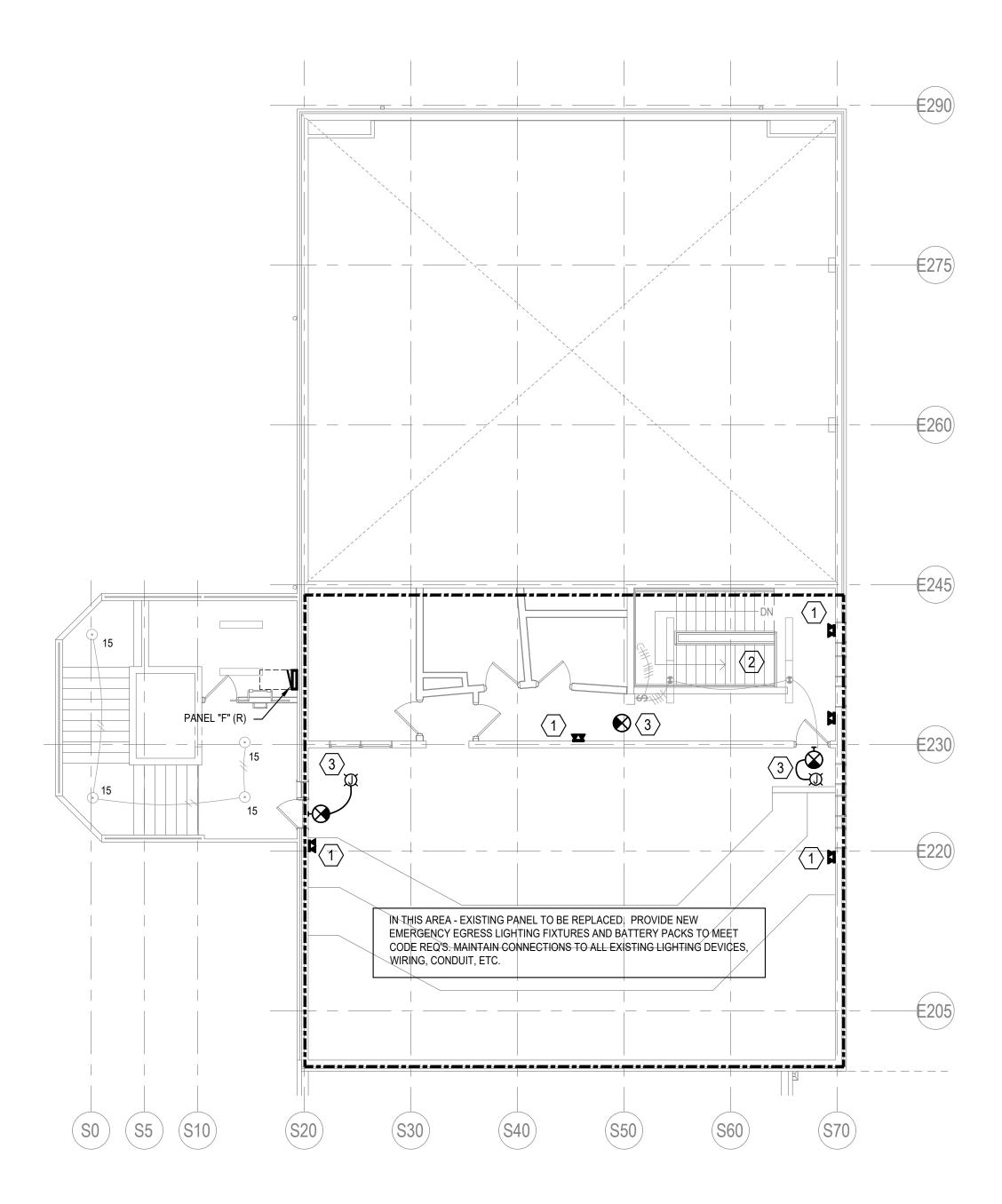
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

LEVEL 2 DEMOLITION

LEVEL 2 DEMOLITION FLOOR LIGHTING PLAN

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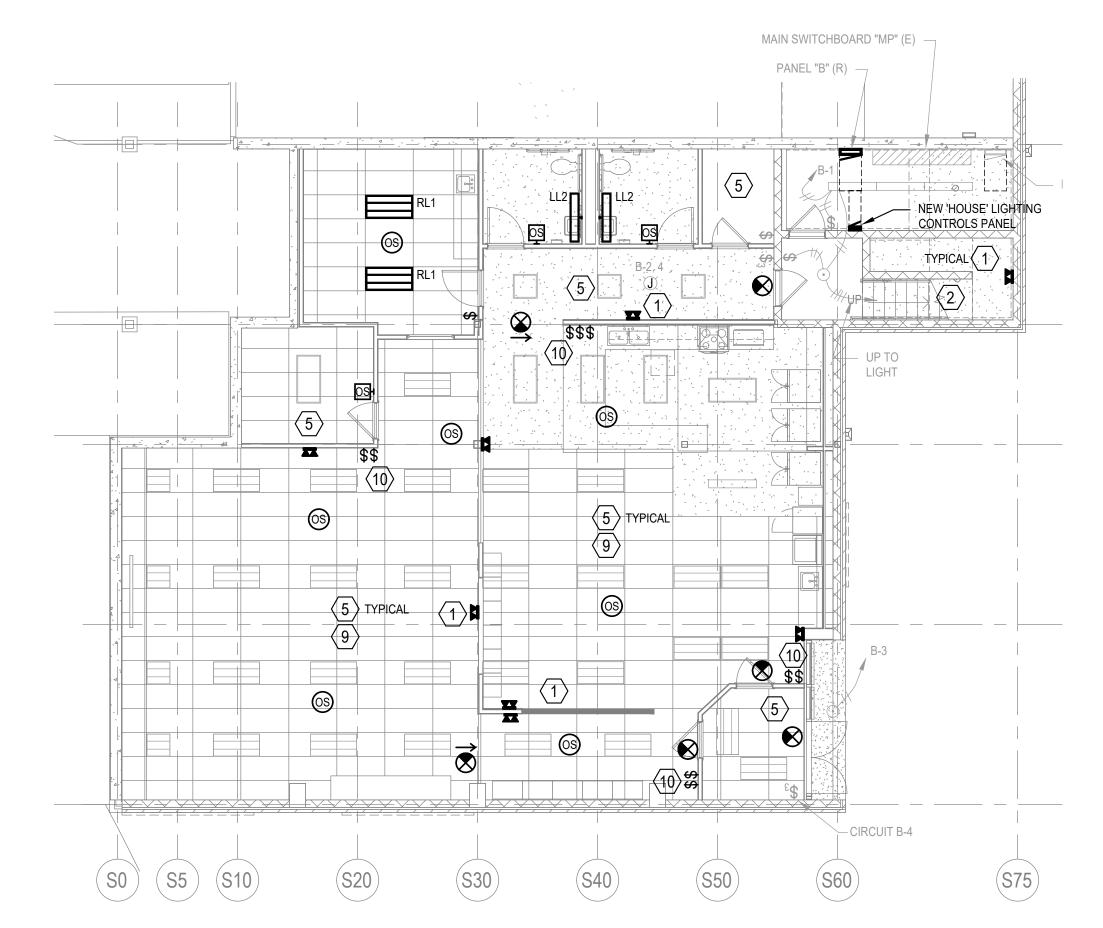


LEVEL 3 FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

FLAG NOTES  $\overline{(X)}$ :

1. PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.

- 2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING AND NEW STAIR LIGHTING FIXTURES.
- 3. PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING NEARBY CIRCUIT.
- 4. LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND PRE-PROGRAMMED SCENES AS NEEDED BY CKSD OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
- 5. EXISTING LIGHTING FIXTURES IN 'LITEHOUSE' AREA ARE TO BE REINSTALLED IN NEW CEILING CONFIGURATION WHEREVER POSSIBLE. CONTRACTOR TO RE-LAMP AND RE-BALLAST FIXTURES AND INSTALL PER ARCHITECTS NEW LAYOUT.
- 6. NOT USED
- 7. PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.
- 8. FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.
- 9. PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.
- 10. PROVIDE NEW WALL SWITCHES, IN EXISTING LOCATIONS, FOR MANUAL ADJUSTMENT OF FIXTURES IN CONJUNCTION WITH NEW OCCUPANCY SENSORS.



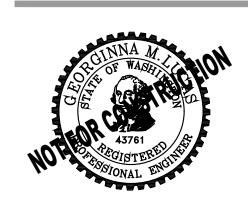
BASEMENT FLOOR PLAN - LIGHTING
SCALE: 1/8'=1'-0'

ARCHITECTURE INTERIORS PLANNING VIELAB

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## 900 BUILDING RENOVATION 3700 NW ANDERSON HILL RD

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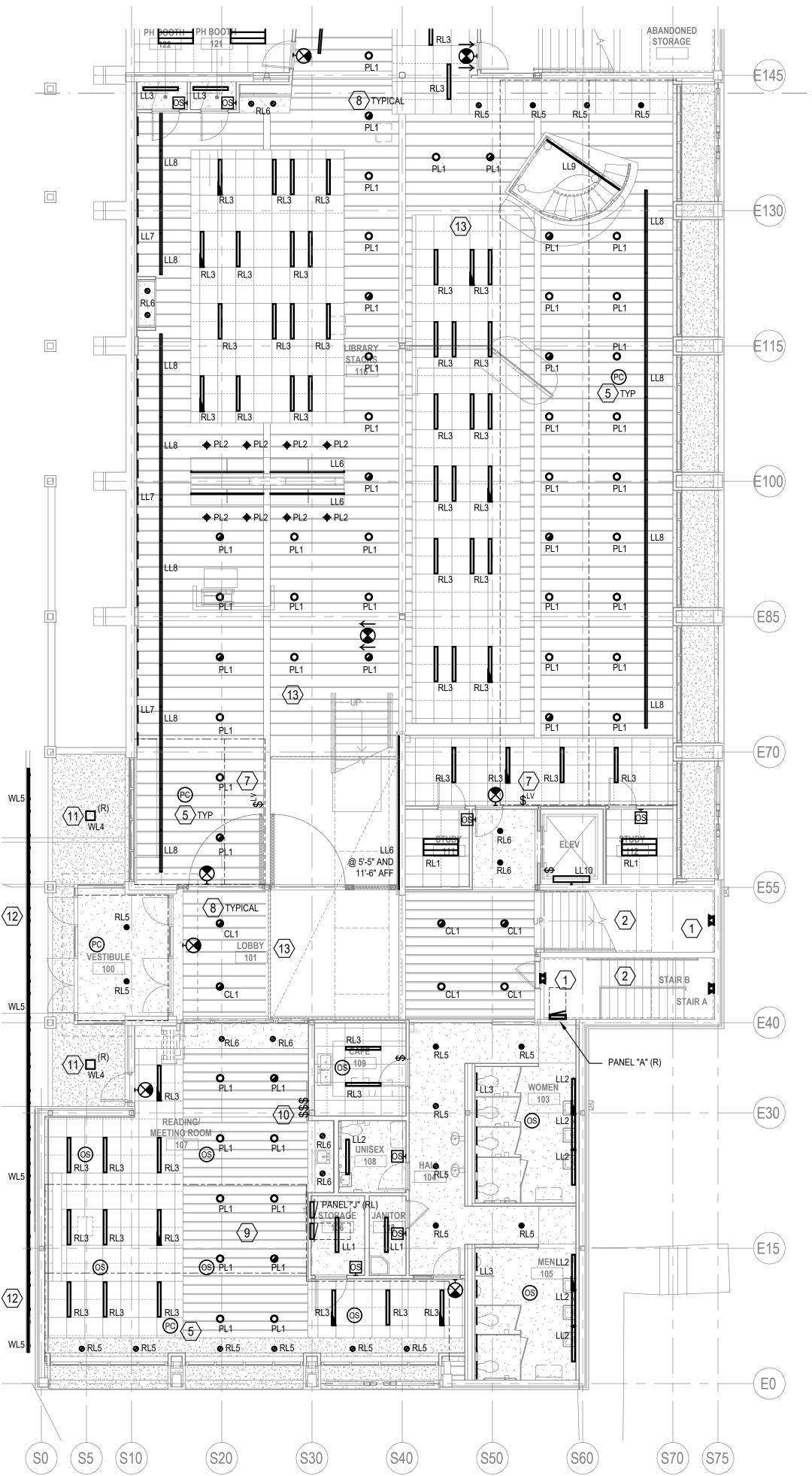
ISSUE DATE DECEMBER 24, 2019

REVISION SCHEDULE

BASEMENT AND LEVEL 3 FLOOR PLANS -LIGHTING

SHEET

LEVEL 1 FLOOR PLAN - NORTH - LIGHTING
SCALE: 1/8"=1'-0"



LEVEL 1 FLOOR PLAN - SOUTH - LIGHTING
SCALE: 1/8'=1'-0'

FLAG NOTES  $\stackrel{(X)}{\times}$ :

- PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.
- 2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING

AND NEW STAIR LIGHTING FIXTURES.

- 3. PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING NEARBY CIRCUIT.
- 4. LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND PRE-PROGRAMMED SCENES AS NEEDED BY KRL OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
- 5. PROVIDE PHOTOCELL FOR AUTOMATIC DIMMING OF FIXTURES IN DAYLIGHTING ZONES PER WSEC REQUIREMENTS. PRIMARY (SWITCHLEG a) AND SECONDARY (SWITCHLEG b) DAYLIGHT ZONES TO BE CONTROLLED SEPARATELY, PER CODE, UNLESS NOTED OTHERWISE.
- 6. LUMINAIRES IN SMALL OFFICES WITH EXTERIOR GLAZING SHALL BE CONTROLLED TOGETHER ON THE PRIMARY DAYLIGHTING ZONE FOR ILLUMINATION UNIFORMITY.
- 7. PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.
- 8. FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.
- PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.
- 10. PROVIDE MULTI-BUTTON SWITCH FOR PRE-PROGRAMMED SCENE ACTIVATION. SWITCH FUNCTION TO ACTIVATE PRESET SCENES ONCE LIGHTING LEVELS COMMISSIONING HAS BEEN SET.
- 11. EXISTING EXTERIOR BREEZEWAY FIXTURES TO BE REPLACED WITH NEW LED FIXTURES. CONNECT TO EXISTING CIRCUIT AND CONNECT TO NEW EXTERIOR LIGHTING CONTROLS.
- 12. PROVIDE EXTERIOR RATED LED TAPE FIXTURES FOR BACKLIGHTING NEW DECORATIVE METAL SLATS ON BUILDING FACADE. TAPE & EXTRUSION TO BE MOUNTED TO BOTTOM CHANNEL IN A CONTINUOUS RUN, AIMED UP ALONG BUILDING FACADE.
- 13. MAIN ENTRY, LOBBY, AND LIBRARY MAIN FLOOR AREAS ARE TO BE AUTOMATICALLY CONTROLLED BY TIME CLOCK.

ARCHITECTURE INTERIORS PLANNING VIELAS
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3700 NW ANDERSON HILL RD

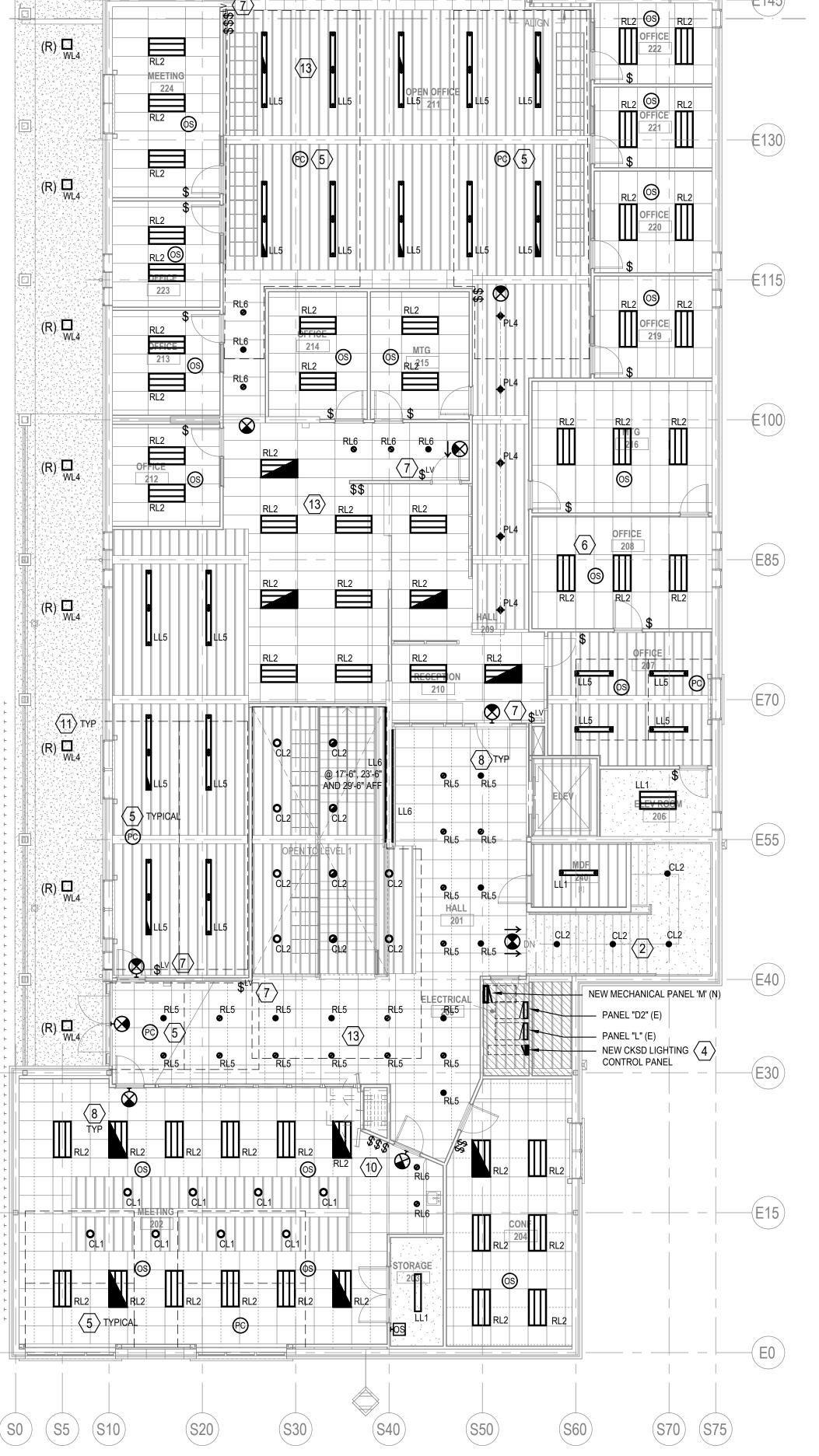
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REVISION SCHEDULE

LEVEL 1 FLOOR PLAN -LIGHTING

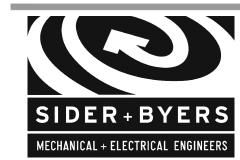
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LEVEL 2 FLOOR PLAN - NORTH - LIGHTING SCALE: 1/8"=1'-0"

## LEVEL 2 FLOOR PLAN - SOUTH - LIGHTING SCALE: 1/8"=1'-0"

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PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.

LUMINAIRES IN SMALL OFFICES WITH EXTERIOR GLAZING SHALL BE

CONTROLLED TOGETHER ON THE PRIMARY DAYLIGHTING ZONE FOR

PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING

2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING

PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING

LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE

PRE-PROGRAMMED SCENES AS NEEDED BY CKSD OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED

DAYLIGHTING ZONES PER WSEC REQUIREMENTS. PRIMARY (SWITCHLEG a) AND SECONDARY (SWITCHLEG b) DAYLIGHT ZONES TO BE CONTROLLED

RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND

PROVIDE PHOTOCELL FOR AUTOMATIC DIMMING OF FIXTURES IN

SEPARATELY, PER CODE, UNLESS NOTED OTHERWISE

SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.

AND NEW STAIR LIGHTING FIXTURES

120V CIRCUIT TO POWER LCP.

ILLUMINATION UNIFORMITY.

FLAG NOTES  $\overline{(X)}$ :

**NEARBY CIRCUIT** 

FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.

PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.

PROVIDE MULTI-BUTTON SWITCH FOR PRE-PROGRAMMED SCENE ACTIVATION. SWITCH FUNCTION TO ACTIVATE PRESET SCENES ONCE LIGHTING LEVELS COMMISSIONING HAS BEEN SET.

11. EXISTING EXTERIOR BREEZEWAY FIXTURES TO BE REPLACED WITH NEW LED FIXTURES. CONNECT TO EXISTING CIRCUIT AND CONNECT TO NEW EXTERIOR LIGHTING CONTROLS.

PROVIDE EXTERIOR RATED LED TAPE FIXTURES FOR BACKLIGHTING NEW DECORATIVE METAL SLATS ON BUILDING FACADE. TAPE & EXTRUSION TO BE MOUNTED TO BOTTOM CHANNEL IN A CONTINUOUS RUN, AIMED UP ALONG BUILDING FACADE.

13. 2ND FLOOR HALLWAYS AND OPEN OFFICE AREAS ARE TO HAVE LOCAL FIXTURE GROUPINGS.

RENOVATION KRI RDAL BUILDING 3700 NW SILVE 900

PROJECT# 18100 **PERMIT SET** ISSUE DATE DECEMBER 24, 2019 REVISION SCHEDULE

LEVEL 2 FLOOR PLAN -LIGHTING

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