

2022 RE-PIPING PROJECTS - CHEHALEM ELEMENTARY SCHOOL

15555 SW DAVIS RD, BEAVERTON, OR 97007

100% CONSTRUCTION DOCUMENTS

03/04/2022

KCL
ENGINEERING

Consulting Engineering

Mechanical
Plumbing
Electrical
Technology

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ED100	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREAS B & C
E100	FIRST FLOOR ELECTRICAL PLAN - AREAS B & C

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CIVIL ENGINEER

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Harper Houf Peterson Righellis Inc.
530 Center Street NE
Suite 240
Salem, OR 97301
503.221.1131

LANDSCAPE ARCHITECT

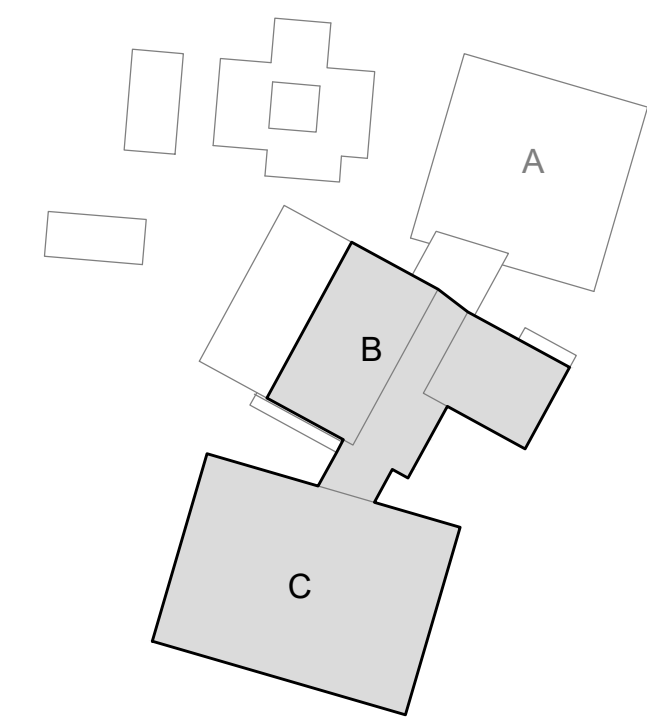
Jeffery Creel, R.L.A.
Harper Houf Peterson Righellis Inc.
530 Center Street NE
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Salem, OR 97301
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1. THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED FOR GENERAL MATERIAL AND ABATEMENT INFORMATION ONLY.
2. HARD FITTING QUANTITY AND LOCATION INFORMATION IS APPROXIMATE AND PROVIDED FOR REFERENCE ONLY; ACTUAL QUANTITIES AND LOCATIONS WILL VARY. CONTRACTOR IS TO FIELD VERIFY ALL MATERIAL LOCATIONS, SITE CONDITIONS AND QUANTITIES.
3. REFER TO THE ASSOCIATED PRE-RENOVATION HAZARDOUS BUILDING MATERIALS SURVEY REPORT, PBS ENGINEERING AND ENVIRONMENTAL, JANUARY 2022 AND THE BEAVERTON SCHOOL DISTRICT VERDANT DATABASE FOR ADDITIONAL ASBESTOS-CONTAINING BUILDING MATERIAL INFORMATION.
4. IF SUSPECT MATERIALS ARE ENCOUNTERED DURING DEMOLITION ACTIVITIES THAT ARE NOT IDENTIFIED ON THE PRECEDING SURVEY REPORT, THESE DRAWINGS OR IN THE SPECIFICATIONS, STOP WORK AND CONTACT THE OWNER'S ENVIRONMENTAL CONSULTANT.

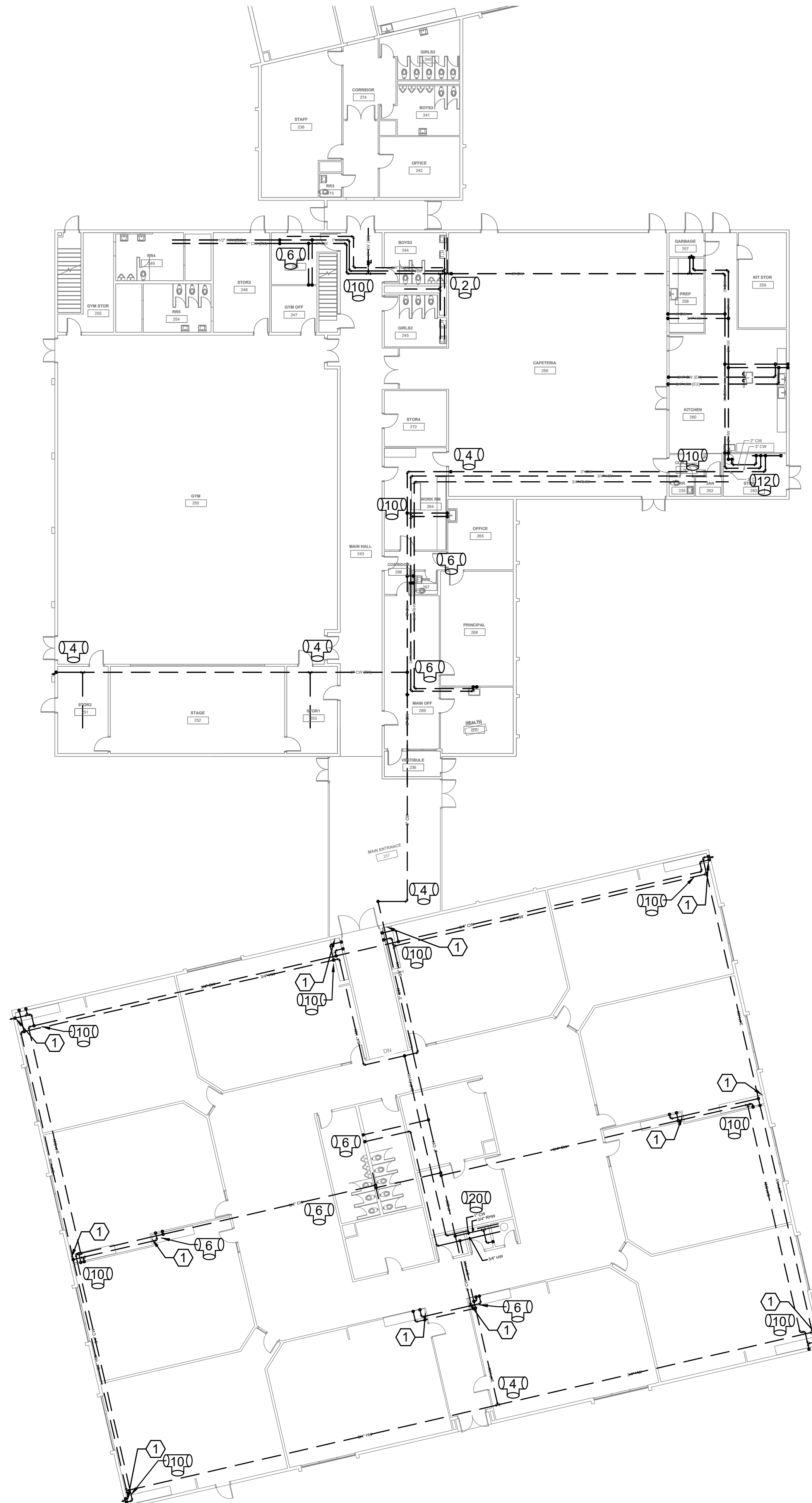
1. PERFORM ALL ASBESTOS ABATEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 13.
2. COORDINATE ASBESTOS-CONTAINING HARD FITTING ABATEMENT WITH PLUMBING DEMOLITION.
3. ASBESTOS-CONTAINING HARD FITTINGS MAY BE REMOVED USING WELD AND CUT REMOVAL METHODS IN CONJUNCTION WITH PIPE DEMOLITION.
4. JOINT COMPOUND ON GYPSUM WALLBOARD THROUGHOUT THE SCHOOL CONTAINS ASBESTOS. ANY REMOVAL OF WALLBOARD SHOULD BE REMOVED BY THE ABATEMENT CONTRACTOR.

1 DEMOLISH WALLBOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND AS NECESSARY IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 13. REFER TO KEYNOTE DF6, DEMOLITION PLAN AD-201C.

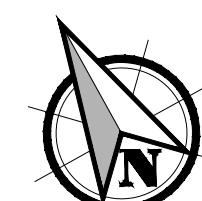
 APPROXIMATE NUMBER AND LOCATION OF
ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
TO BE REMOVED



KEY PLAN



PARTIAL FIRST FLOOR - AREA B AND C



SCALE: 1" = 16'

**PBS Engineering and
Environmental Inc.**
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939
pbsusa.com



HAZARDOUS MATERIAL ABATEMENT PLAN

CHEHALEM ELEMENTARY SCHOOL

15555 SW DAVIS ROAD, BEAVERTON, OREGON

[illegible]

DRAWN BY

CHECKED:

DATE:

MARCH 2021

PROJECT NUMBER
27121.011

SHEET DRAWING

HA 1

SHEET 1 OF 1

THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL CONSTRUCTION WITH OWNER AND OWNER'S FACILITIES DEPARTMENT. CONTRACTOR TO PROVIDE OWNER WITH AN ACCESS PLAN THAT FACILITATES 24 HOUR EMERGENCY, VEHICLE, AND PEDESTRIAN ACCESS TO THE CAMPUS.

THE CONTRACTOR SHALL PROVIDE ALL WORK ILLUSTRATED ON THE DRAWINGS AND ALL INCIDENTAL WORK CONSIDERED NECESSARY TO COMPLETE THE PROJECT IN A MANNER ACCEPTABLE TO THE OWNER INCLUDING MITIGATING CONFLICTS WITH EXISTING UTILITIES, CONNECTING EXISTING UTILITIES TO PROPOSED FACILITIES, AND FIELD VERIFYING EXISTING UTILITIES PRIOR TO PROJECT COMPLETION.

EXISTING CONDITIONS SHOWN ON THE PLAN ARE COMPILED FROM EXISTING AS-BUILTS AND SITE VISITS PERFORMED BY HHPR. THE ENGINEER, OWNER, AND UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF SUCH RECORDS. THE ENGINEER MAKES NO GUARANTEE, OR WARRANTY, THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, WHETHER ACTIVE OR ABANDONED. THE CONTRACTOR IS RESPONSIBLE TO POT-HOLE AND VERIFY CRITICAL UTILITY CROSSINGS AND CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE DESIGNING ENGINEER IN A TIMELY MANNER IF CONFLICTS ARISE. CONTRACTOR ASSUMES ALL RISK AND SCHEDULE DELAYS IF THE CONTRACTOR DOES NOT POT-HOLE PRIOR TO CONSTRUCTION AND COORDINATE WITH ENGINEER.

THE CONTRACTOR SHALL EXPOSE AND VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL CONNECT AND/OR MATCH EXISTING UTILITIES AND PROPOSED IMPROVEMENTS IN CONFORMANCE WITH THE INTENT OF THESE PLANS TO PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEMS.

CONTRACTOR SHALL CONFIRM ALL REQUIRED PERMITS AND LICENSES HAVE BEEN ISSUED BEFORE STARTING CONSTRUCTION

CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY OF BEAVERTON INSPECTOR 48 HOURS BEFORE INSPECTION.

CONSTRUCTION VEHICLES ARE NOT ALLOWED TO BE STAGED IN THE PUBLIC RIGHT-OF-WAY WITHOUT PRIOR APPROVAL.

ANY ALTERATION OR VARIANCE FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL FIRST BE APPROVED BY THE APPLICABLE AGENCY REPRESENTATIVE. ANY ALTERATION OR VARIANCE FROM THESE PLANS SHALL BE DOCUMENTED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE PROJECT ENGINEER.

CONTRACTOR SHALL PROVIDE THE NECESSARY EROSION PROTECTION TO MINIMIZE EROSION AND IMPACT TO ADJACENT PROPERTIES.

OPEN TRENCHES SHALL BE STRICTLY LIMITED TO A MAXIMUM OF 100 FEET UNLESS LIMITED TO A LESSER AMOUNT BY PERMIT. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVER NIGHT/WEEKENDS.

CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO THE MAIN BUILDING AT ALL TIMES AS PRACTICAL. OWNER SHALL BE NOTIFIED 24-HOURS IN ADVANCE OF ANY ACCESS CLOSURES.

AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL.

ALL MATERIAL SUPPLIERS SHALL SUBMIT TO THE ENGINEER PROOF OF MATERIAL(S) TESTED IN ACCORDANCE WITH SPECIFICATIONS. BY ACCEPTANCE OF THE CONTRACT WITH THE OWNER/DEVELOPER, THE CONTRACTOR CERTIFIES THAT ALL MATERIALS DELIVERED TO THE JOB SITE WILL MEET OR EXCEED THOSE SPECIFICATIONS. ANY MATERIAL NOT CONFORMING SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST TO THE OWNER.

ALL SURVEY MONUMENTS OF RECORD MUST BE PRESERVED. IN THE EVENT A MONUMENT IS DISTURBED, CONTRACTOR IS RESPONSIBLE TO SECURE THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR TO REFERENCE AND REPLACE THE MONUMENT.

GENERAL SITE PREPARATION:

ALL EARTHWORK, EXCAVATION, BACKFILL TO FOLLOW REQUIREMENTS OUTLINED IN CURRENT PROJECT SPECIFICATIONS.

THE CONTRACTOR SHALL PRUNE ALL VEGETATION, AS NECESSARY, AWAY AND UP FROM THE AREA OF WORK. THE CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING THAT IS TO REMAIN. ARBORIST SHALL BE CONTACTED IF SIGNIFICANT ROOTS ARE UNCOVERED.

WATER LINE

ALL PIPE SHALL HAVE A MINIMUM OF 36" OF COVER MEASURED FROM FINISH GRADE.

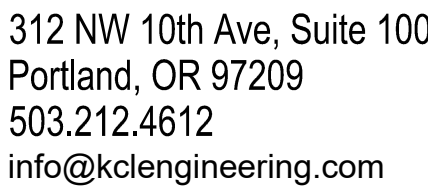
THE CONTRACTOR SHALL CALL FOR ALL INSPECTIONS AND PERFORM THE NECESSARY TESTING REQUIRED BY THE SPECIFICATIONS AND THE PRIVATE UTILITIES PERMIT. UPON COMPLETION OF THE INSTALLATION OF THE WATER SYSTEM ALL LINES SHALL BE FLUSHED AND DISINFECTED IN CONFORMANCE WITH HEALTH DIVISION GUIDELINES.

PRIVATE WATER LINE MATERIAL TO BE UPONOR AQUAPEX OR ENGINEER APPROVED EQUAL.

FITTINGS FOR PEX TUBING AS DESCRIBED IN ASTM 5 1807, ASTM F 1960, AND ASTM F 2080 SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

CONTRACTOR TO DETERMINE AND PROVIDE ALL NECESSARY FITTINGS AND BENDS FOR UTILITY DESIGN.

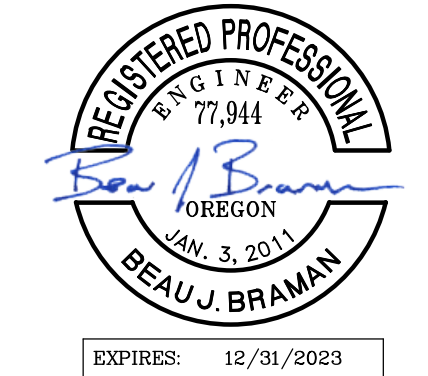
TRACER WIRE - 12-GAUGE STRANDED OR SOLID COPPER INSULATED HIGH MOLECULAR WEIGHT POLYETHYLENE (HMW-PE) TRACER WIRE. THE HMW-PE INSULATED COVER SHALL BE GREEN AND A MINIMUM 45 MIL THICK. THE WIRE SHALL BE RATED FOR 140 DEGREES FAHRENHEIT. INSTALL TRACER WIRE IN ALL TRENCHES FOR WATER LINE. PLACE THE TRACER WIRE DIRECTLY OVER THE PIPE CENTERLINE AND ON TOP OF THE PIPE ZONE MATERIAL, PARALLEL TO, AND ALONG THE ENTIRE LENGTH OF ALL NONMETALLIC PIPE.



Consultants:



Stamp:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194

Date: 03/04/2022

100% CONSTRUCTION DOCUMENTS

Drawing Name: GENERAL NOTES



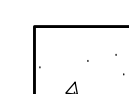
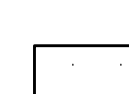

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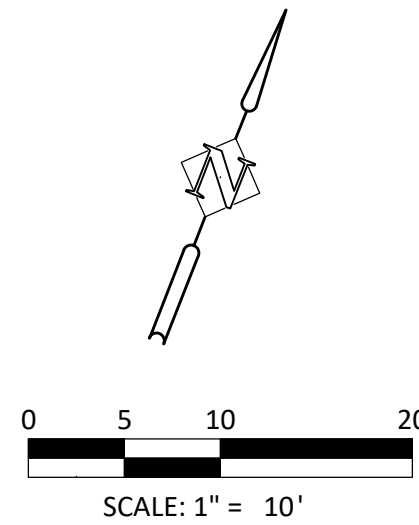
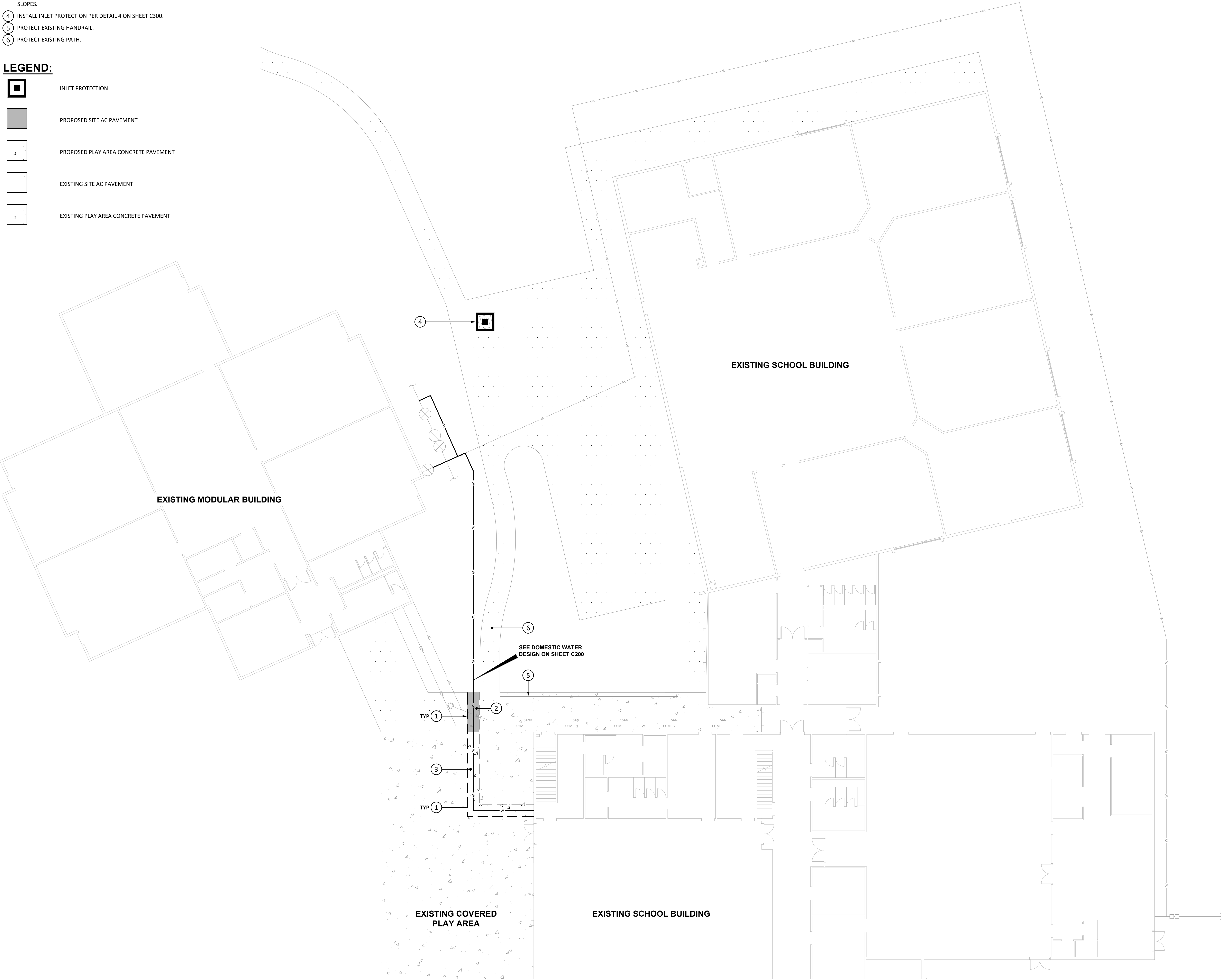
C000

CONSTRUCTION NOTES:

- 1 SAWCUT CLEAN LINE AND MATCH EXISTING PAVEMENT. RECONSTRUCT EXISTING AS NEEDED IF DAMAGED DURING CONSTRUCTION
- 2 CONSTRUCT SITE AC PAVEMENT SECTION PER DETAIL 1 ON SHEET C300, OR MATCH EXISTING, WHICHEVER IS THICKER. MATCH EXISTING SLOPES AND ELEVATIONS. PAVEMENT PATCHING MUST MATCH EXISTING ADA COMPLIANT SLOPING AND MUST NOT CREATE NON-COMPLIANT BUMPS OR SLOPES.
- 3 CONSTRUCT PLAY AREA CONCRETE PAVEMENT SECTION PER DETAIL 2 ON SHEET C300, OR MATCH EXISTING, WHICHEVER IS THICKER. MATCH EXISTING SLOPES AND ELEVATIONS. PAVEMENT PATCHING MUST MATCH EXISTING ADA COMPLIANT SLOPING AND MUST NOT CREATE NON-COMPLIANT BUMPS OR SLOPES.
- 4 INSTALL INLET PROTECTION PER DETAIL 4 ON SHEET C300.
- 5 PROTECT EXISTING HANDRAIL.
- 6 PROTECT EXISTING PATH.

LEGEND:

-  INLET PROTECTION
-  PROPOSED SITE AC PAVEMENT
-  PROPOSED PLAY AREA CONCRETE PAVEMENT
-  EXISTING SITE AC PAVEMENT
-  EXISTING PLAY AREA CONCRETE PAVEMENT



Consultants:

Stamp:



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ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194
Date: 03/04/2022
100% CONSTRUCTION
DOCUMENTS

Drawing Name:
CIVIL SITE PLAN

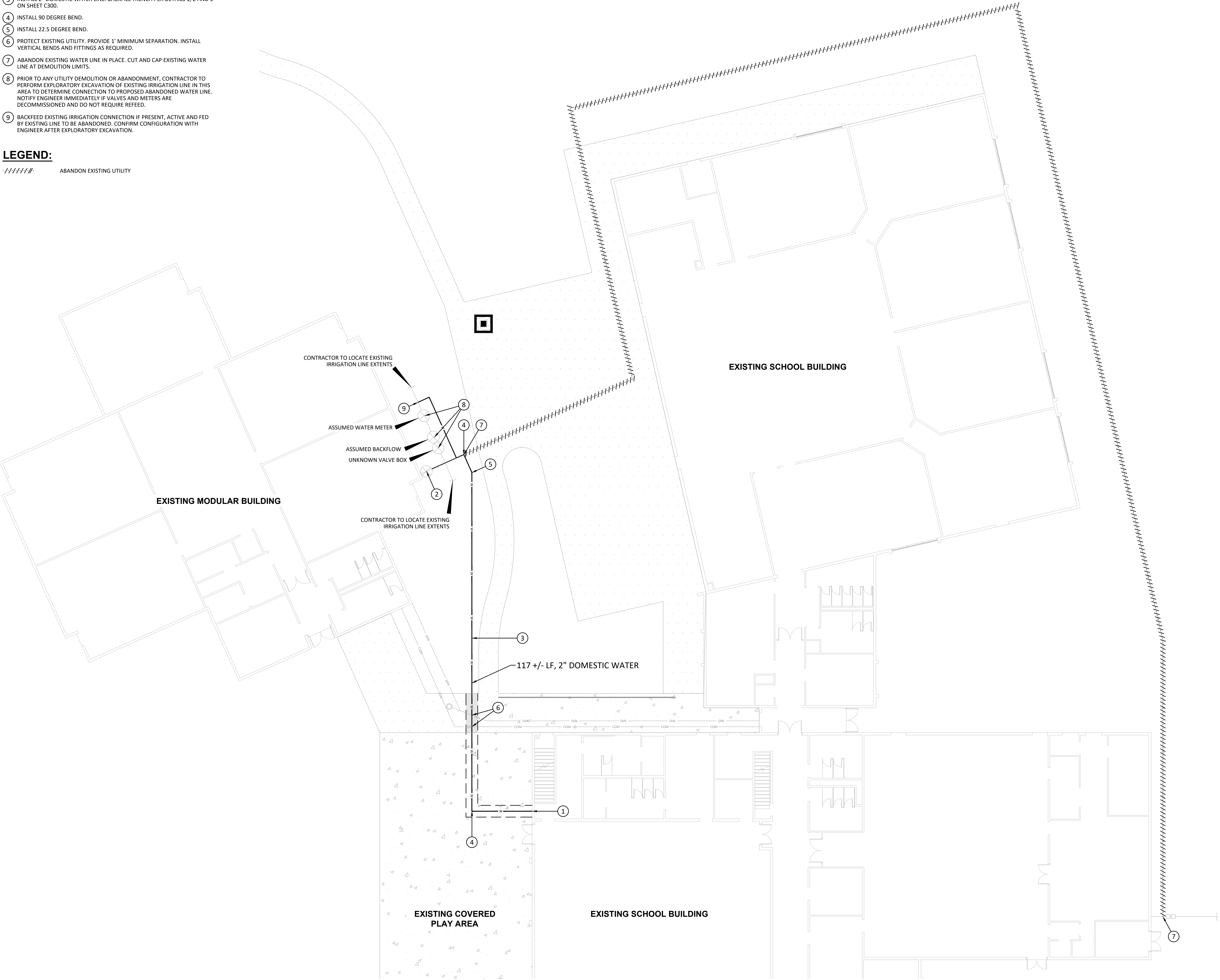
Drawing #:
C100

CONSTRUCTION NOTES:

- 1 PROPOSED 2" DOMESTIC WATER CONNECTION LOCATION. SEE PLUMBING PLANS FOR CONNECTION DETAILS.
- 2 PROPOSED 2" DOMESTIC WATER CONNECTION LOCATION. CONNECT UPSTREAM OF EXISTING SHUT-OFF VALVE.
- 3 INSTALL 2" DOMESTIC WATER LINE. BACKFILL TRENCH PER DETAILS 1, 2 AND 3 ON SHEET C300.
- 4 INSTALL 90 DEGREE BEND.
- 5 INSTALL 22.5 DEGREE BEND.
- 6 PROTECT EXISTING UTILITY. PROVIDE 1' MINIMUM SEPARATION. INSTALL VERTICAL BENDS AND FITTINGS AS REQUIRED.
- 7 ABANDON EXISTING WATER LINE IN PLACE. CUT AND CAP EXISTING WATER LINE AT DEMOLITION LIMITS.
- 8 PRIOR TO ANY UTILITY DEMOLITION OR ABANDONMENT, CONTRACTOR TO PERFORM EXPLORATORY EXCAVATION OF EXISTING IRRIGATION LINE IN THIS AREA TO DETERMINE CONNECTION TO PROPOSED ABANDONED WATER LINE. NOTIFY ENGINEER IMMEDIATELY IF VALVES AND METERS ARE DECOMMISSIONED AND DO NOT REQUIRE REFEED.
- 9 BACKFEED EXISTING IRRIGATION CONNECTION IF PRESENT, ACTIVE AND FED BY EXISTING LINE TO BE ABANDONED. CONFIRM CONFIGURATION WITH ENGINEER AFTER EXPLORATORY EXCAVATION.

LEGEND:

----- ABANDON EXISTING UTILITY

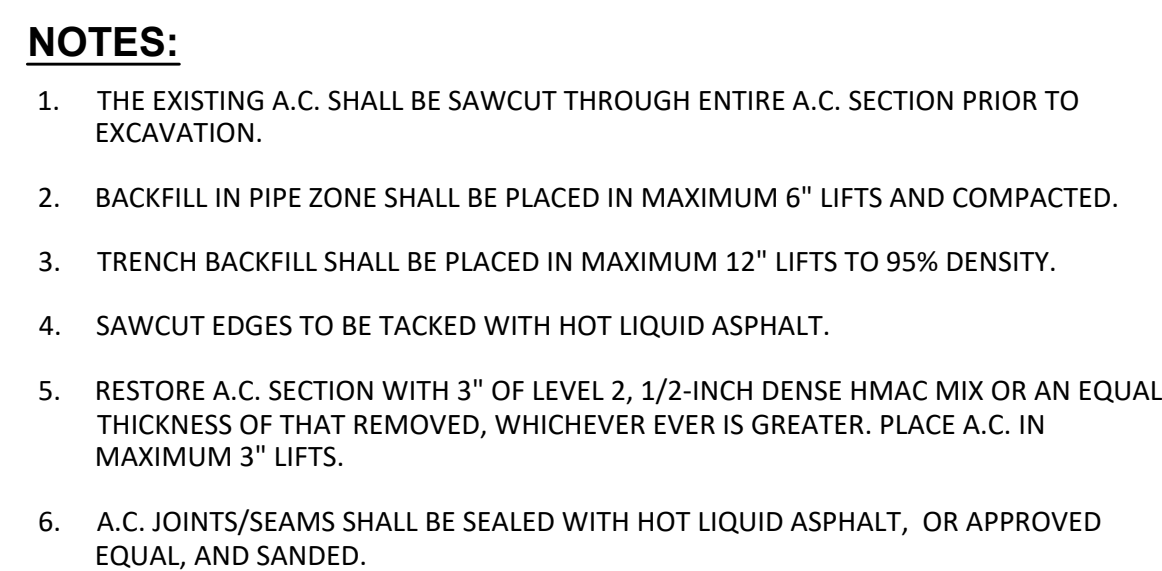


BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

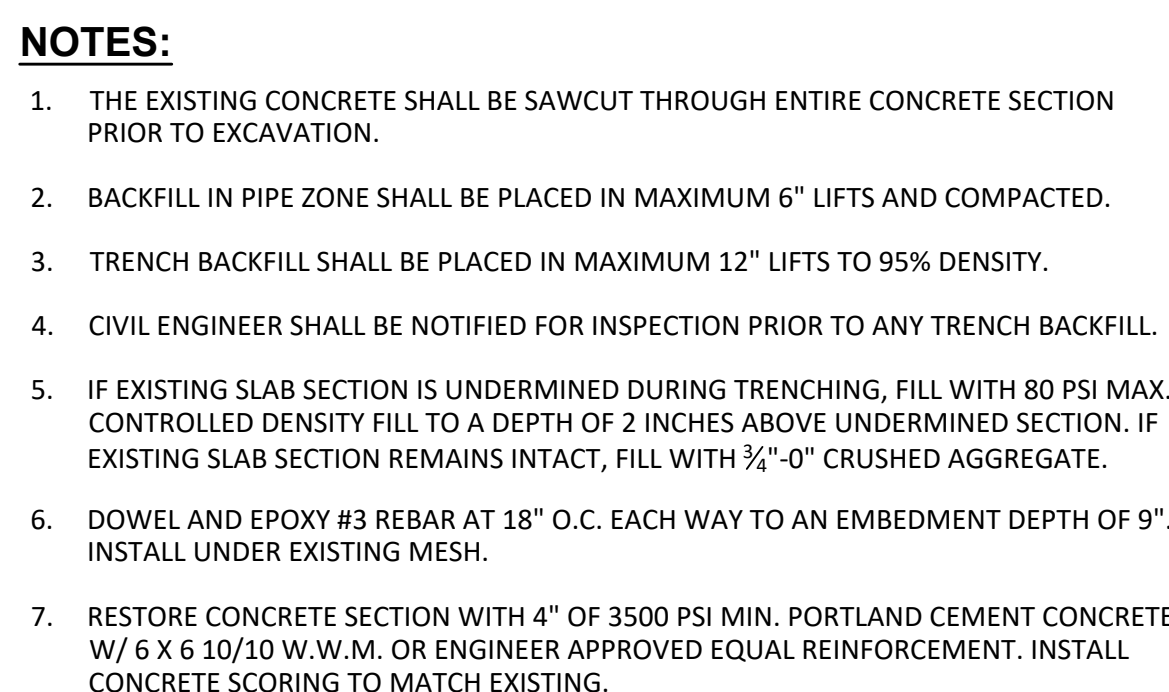
Project No: 21194
Date: 03/04/2022
100% CONSTRUCTION
DOCUMENTS

Drawing Name:
UTILITY PLAN

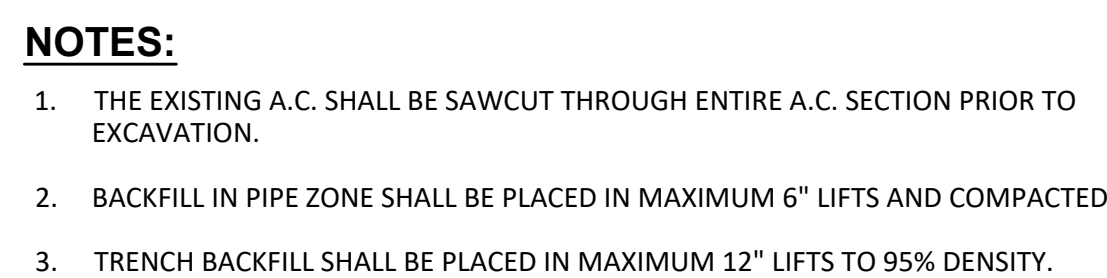
Drawing #:
C200



1 SITE AC PAVEMENT RESTORATION FOR TRENCH CUT



2 PLAY AREA CONCRETE PAVEMENT
RESTORATION FOR TRENCH CUT
NTS



3 LANDSCAPE AREA RESTORATION FOR TRENCH CUT



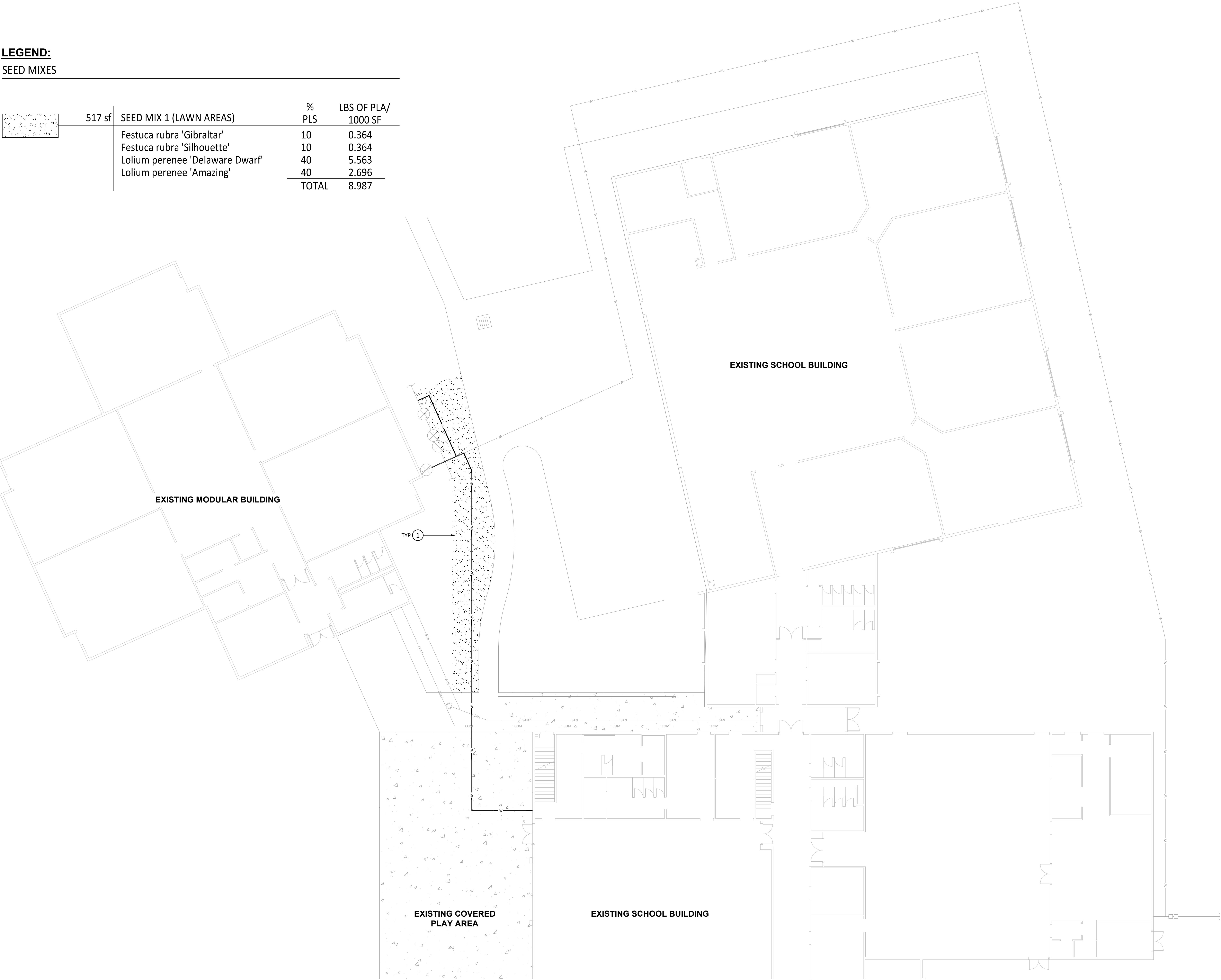
CONSTRUCTION NOTES:

- ① PLACE 6" AMENDED TOP SOIL IN SEEDED AREAS, TYP.

LEGEND:

SEED MIXES

	517 sf	SEED MIX 1 (LAWN AREAS)	% PLS	LBS OF PLA/ 1000 SF
		Festuca rubra 'Gibraltar'	10	0.364
		Festuca rubra 'Silhouette'	10	0.364
		Lolium perennee 'Delaware Dwarf'	40	5.563
		Lolium perennee 'Amazing'	40	2.696
		TOTAL		8.987



DOCUMENT PROGRESS SET
NOT FOR CONSTRUCTION

KCL
ENGINEERING

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503.212.4612
info@kclengineering.com

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Righellis Inc.
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LANDSCAPE ARCHITECTS • SURVEYORS
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phone: 503.365.1131 www.hhpr.com fax: 503.221.1171

Stamp:

REGISTERED
747
JEFFERY P. CREEL
OREGON
05/13/11
LANDSCAPE ARCHITECT

BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194
Date: 03/04/2022
100% CONSTRUCTION
DOCUMENTS

Drawing Name:
PLANTING PLAN

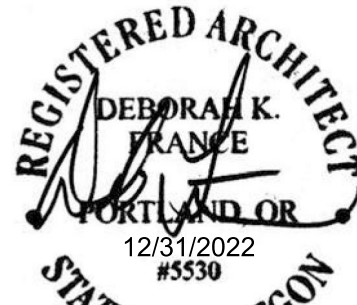
Drawing #:
L100

CONSULTANTS:



OH PLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/04/2022

100% CONSTRUCTION
DOCUMENTS

#/△ Revision Date

Drawing Name:
DEMOLITION PLAN -
FIRST FLOOR - AREA B

Drawing #:

AD201B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.
Information in this sheet is based on permitted documents dated March 2009.

These documents have been prepared, in part, based on information furnished by the Owner and previously permitted projects. Per the construction documents, the building is classified as Type V-B construction and Educational - Group "E" occupancy. The Architect does not ensure that all conditions have been noted or accurately documented. Users of these documents should independently verify all pertinent information and conditions. Do not construe information contained within this sheet to allow work not conforming to applicable codes or requirements of authorities having jurisdiction.

SHEET NOTES - DEMOLITION PLAN

- A. All dimensions shown are to face of finish U.N.O. Do not measure drawings to determine dimensions. Large scale details take precedence over smaller scale drawings.
- B. All areas of demolition shall be cleared and cleaned of all items and prepared to receive new construction, unless noted otherwise.
- C. Verify limits of demolition prior to commencing work.
- D. Contractor shall field verify all existing construction and related conditions prior to starting demolition or new construction.
- E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
- F. For additional demolition information, see all consultant's drawings.
- G. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with architect, consultants and owner.
- H. Coordinate with owner regarding any work that is to occur in the ceiling or the floor below so as not to disrupt the functions of the owner's occupied area. Contractor to replace ceiling to match existing adjacent construction and finish, unless noted otherwise.
- I. Removal of existing plumbing fixtures shall include capping of piping and waste lines. See plumbing drawings for more information.
- J. All acoustical ceilings and related support systems to be removed shall include ceiling tiles, light fixtures, grilles, diffusers, steel support grids and ceiling mounted equipment, unless noted otherwise.
- K. Contractor shall take proper measures to protect areas outside the area of work from dust, air particulates, and debris. Coordinate with Architect, Engineer and Owner to protect against infiltration of all of the above into the remaining occupied areas.
- L. Demolition Work to take place prior to interior improvements. Provide such measures as necessary to prevent property damage or bodily injury.
- M. All interior Patching and Repair shall occur as part of this scope of work, U.N.O. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
- N. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
- O. Where interruption of the building's Life Safety System is required to perform the work as described in the Construction Documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
- P. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the Work.
- Q. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

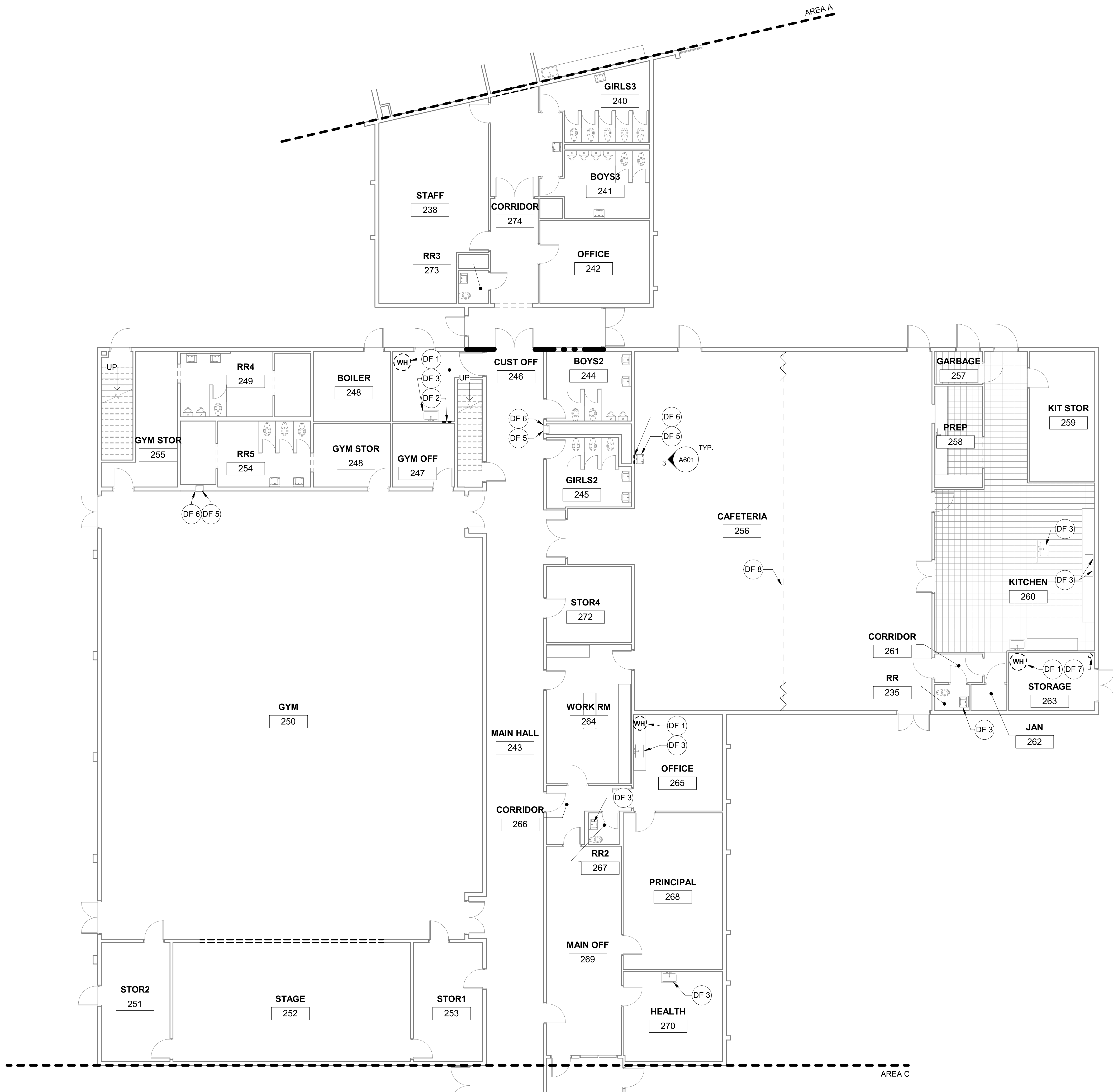
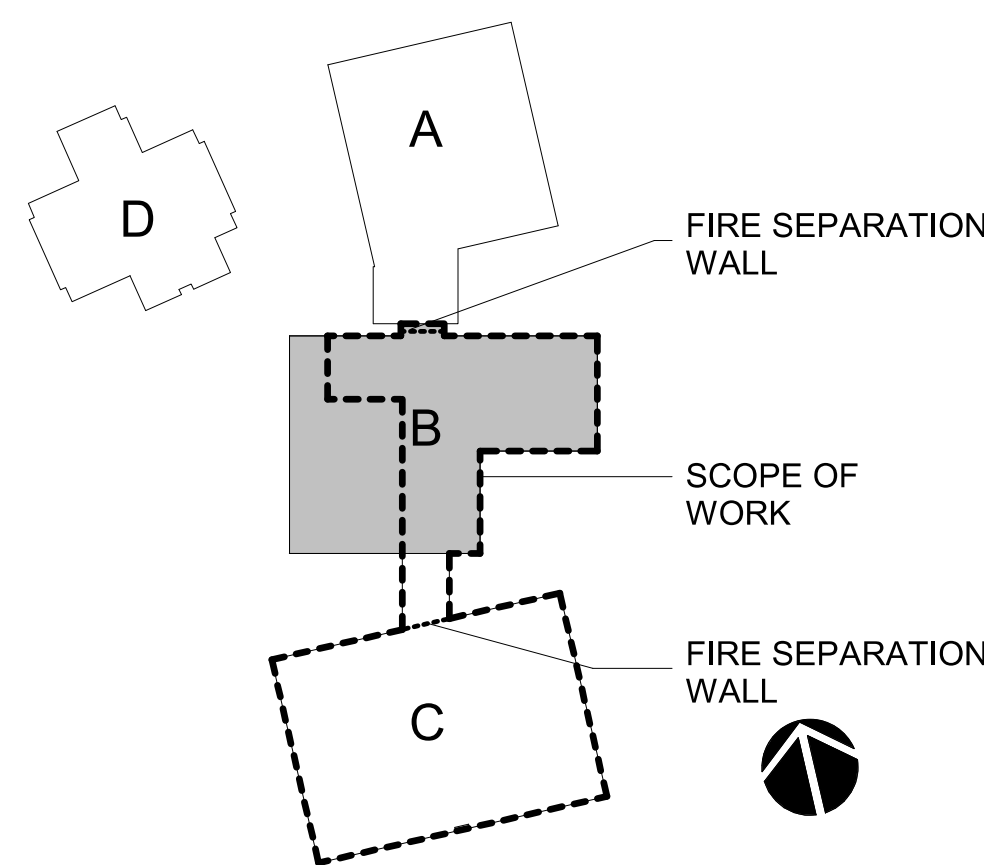
LEGEND - DEMOLITION PLAN

- EXISTING TO REMAIN
- ==== EXISTING TO BE DEMOLISHED
- ● ● ● BUILDING AREA SEPARATION
- (E) 1" CERAMIC TILE, PROTECT DURING CONSTRUCTION

KEYNOTES - DEMOLITION PLAN

- DF 1 (E) water heater to be replaced. Remove (E) water heater and associated piping for installation of new water heater. See Plumbing for detail.
- DF 2 Demo gypsum wall surface and protective wall covering as required for new hose bib and piping at (E) chemical dispenser.
- DF 3 Remove (E) faucet at sink; remove (E) bubbler where present.
- DF 4 Remove gypsum wall board as required for pipe replacement. Protect (E) casework and sink to remain in place. See typical interior elevations for additional detail.
- DF 5 (E) drinking fountain to remain in place, protect during construction.
- DF 6 Demo gypsum wall surface as needed to route new piping to (E) drinking fountain. See Plumbing for detail.
- DF 7 Demolish (E) pipe. See Plumbing for detail.
- DF 8 (E) Operable partition to remain in place. Protect during construction.

KEY PLAN



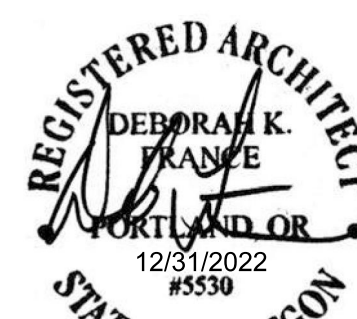
1 DEMOLITION PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

CONSULTANTS:



OH PLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/04/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
DEMOLITION PLAN -
FIRST FLOOR - AREA C

Drawing #:

AD201C

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.
Information in this sheet is based on permitted documents dated March 2009.

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- E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
- F. For additional demolition information, see all consultant's drawings.
- G. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with architect, consultants and owner.
- H. Coordinate with owner regarding any work that is to occur in the ceiling or the floor below so as not to disrupt the functions of the owner's occupied area. Contractor to replace ceiling to match existing adjacent construction and finish, unless noted otherwise.
- I. Removal of existing plumbing fixtures shall include capping of piping and waste lines. See plumbing drawings for more information.
- J. All acoustical ceilings and related support systems to be removed shall include ceiling tiles, light fixtures, grilles, diffusers, steel support grids and ceiling mounted equipment, unless noted otherwise.
- K. Contractor shall take proper measures to protect areas outside the area of work from dust, air particulates, and debris. Coordinate with Architect, Engineer and Owner to protect against infiltration of all of the above into the remaining occupied areas.
- L. Demolition Work to take place prior to interior improvements. Provide such measures as necessary to prevent property damage or bodily injury.
- M. All interior Patching and Repair shall occur as part of this scope of work, U.N.O. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
- N. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
- O. Where interruption of the building's Life Safety System is required to perform the work as described in the Construction Documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
- P. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the Work.
- Q. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

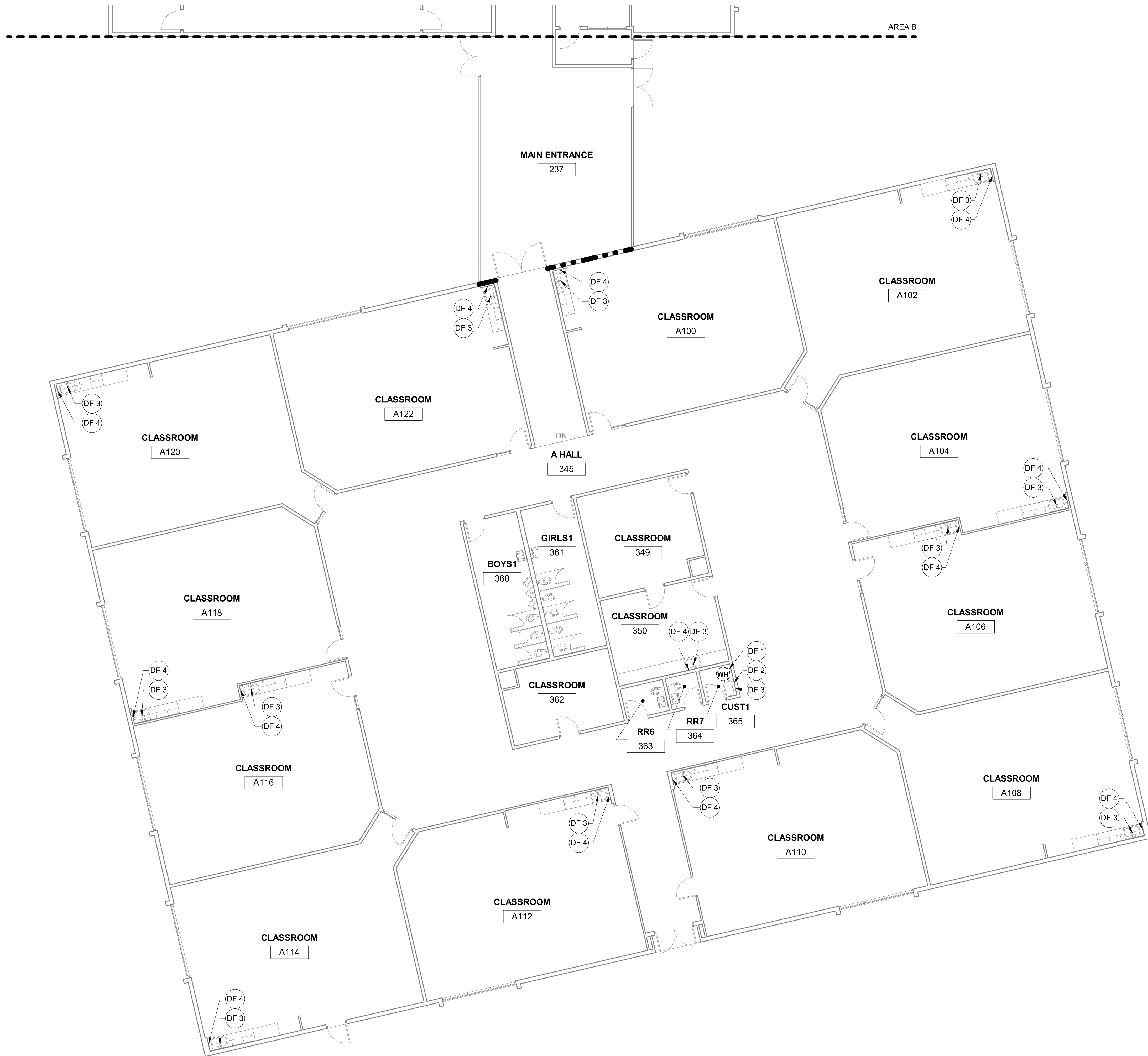
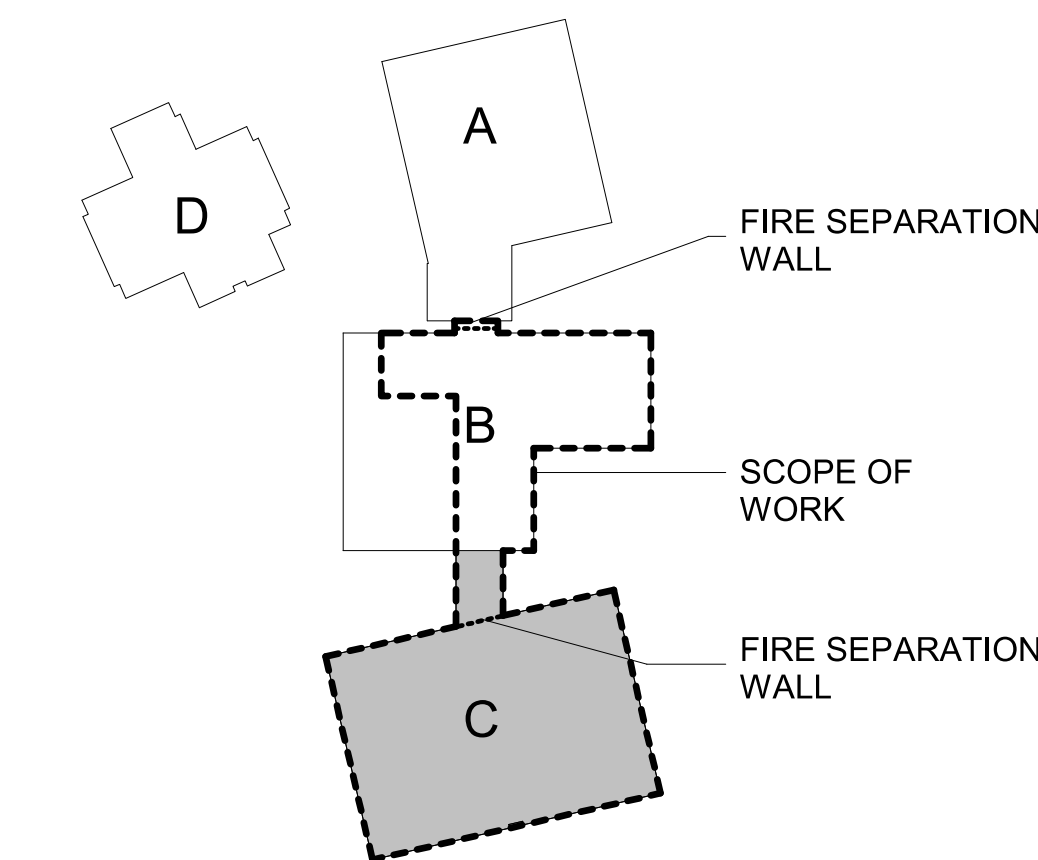
LEGEND - DEMOLITION PLAN

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- BUILDING AREA SEPARATION
- (E) 1" CERAMIC TILE, PROTECT DURING CONSTRUCTION

KEYNOTES - DEMOLITION PLAN

- DF 1 (E) water heater to be replaced. Remove (E) water heater and associated piping for installation of new water heater. See Plumbing for detail.
- DF 2 Demo gypsum wall surface and protective wall covering as required for new hose bib and piping at (E) chemical dispenser.
- DF 3 Remove (E) faucet at sink; remove (E) bubbler where present.
- DF 4 Remove gypsum wall board as required for pipe replacement. Protect (E) casework and sink to remain in place. See typical interior elevations for additional detail.
- DF 5 (E) drinking fountain to remain in place, protect during construction.
- DF 6 Demo gypsum wall surface as needed to route new piping to (E) drinking fountain. See Plumbing for detail.
- DF 7 Demolish (E) pipe. See Plumbing for detail.
- DF 8 (E) Operable partition to remain in place. Protect during construction.

KEY PLAN



1 DEMOLITION PLAN - FIRST FLOOR - AREA C
1/8" = 1'-0"



CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
DEMOLITION
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA B

Drawing #:

AD211B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated March 2009.

These documents have been prepared, in part, based on information furnished by the Owner and previously permitted projects. Per the construction documents, the building is classified as Type VB construction and Educational - Group "E" occupancy. The Architect does not ensure that all conditions have been noted or accurately documented. Users of these documents should independently verify all pertinent information and conditions. Do not construe information contained within this sheet to allow work not conforming to applicable codes or requirements of authorities having jurisdiction.

SHEET NOTES - DEMOLITION RCP

- A. At piping replacement scope, acoustical ceiling tiles to be removed, salvaged, and protected during construction. Contractor to store salvaged ceiling tiles on site for reinstallation. Contractor to assume 10% replacement for lost or damaged ceiling tiles.
- B. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

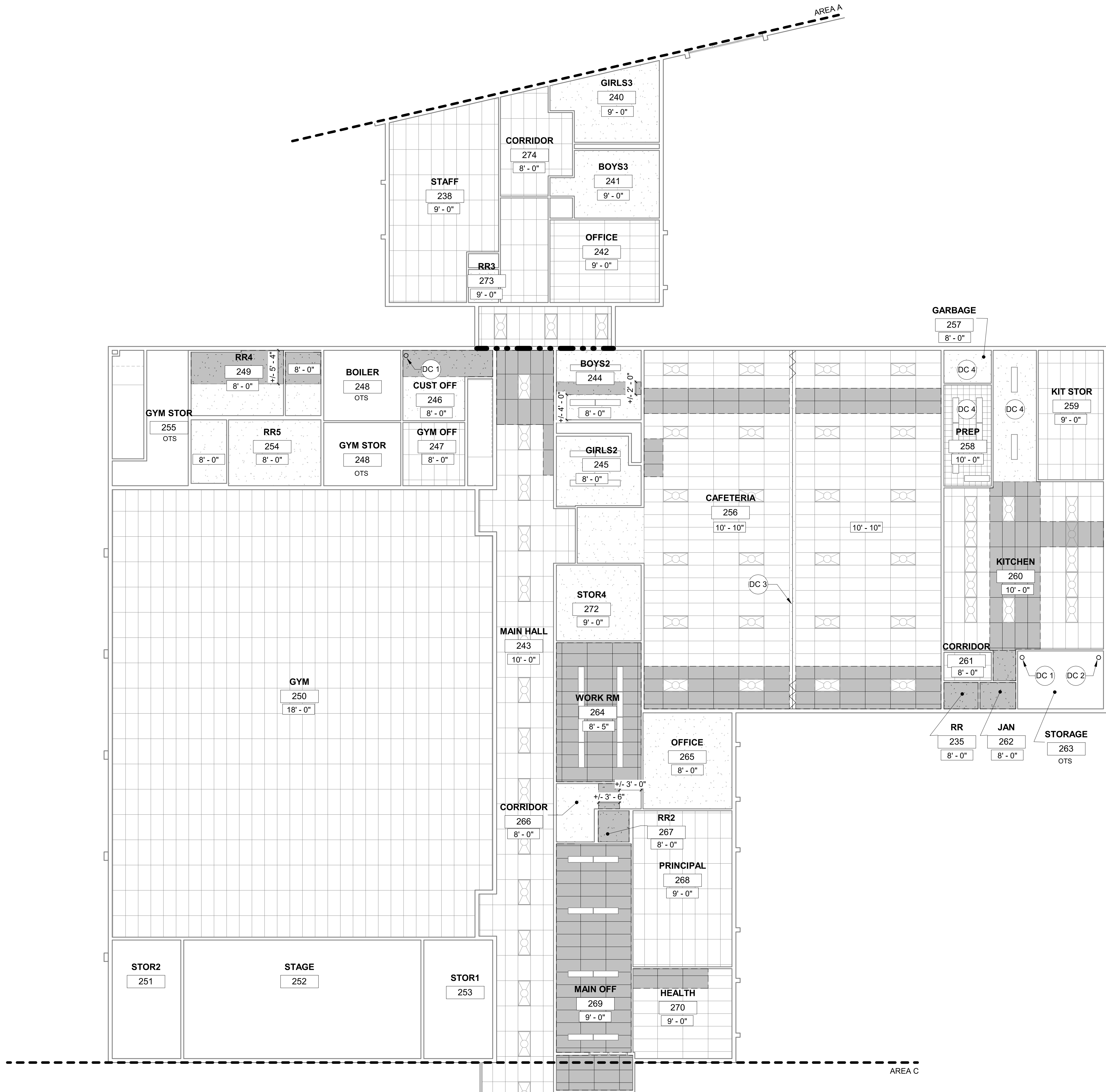
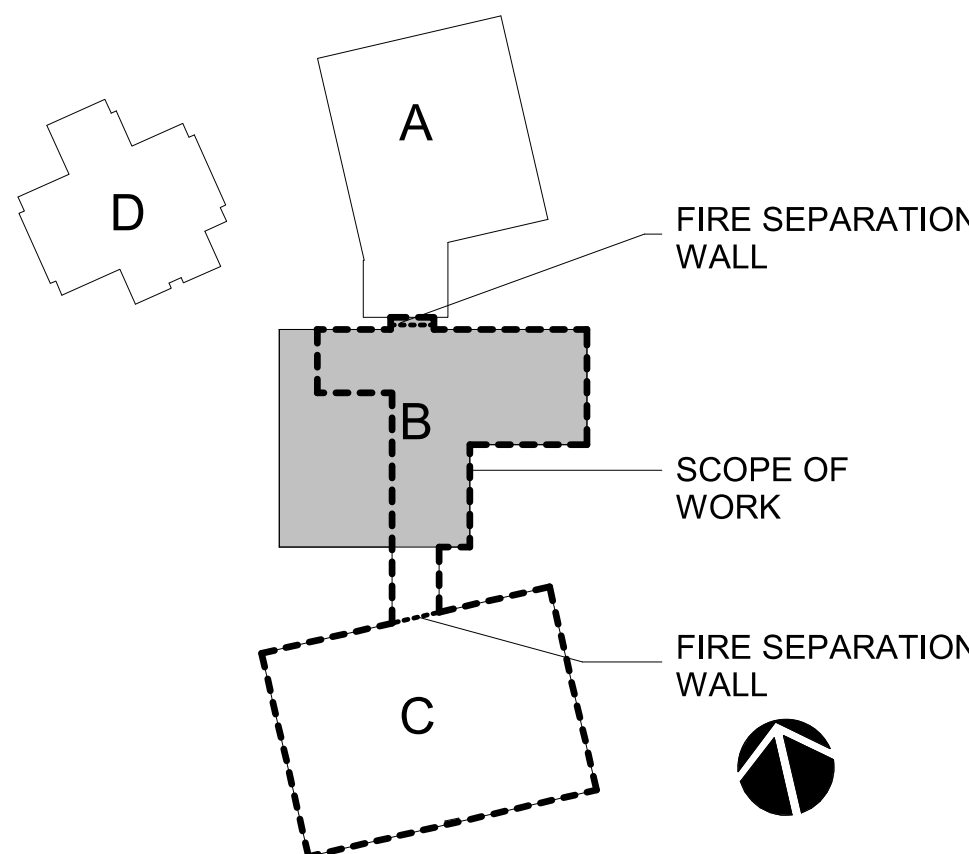
LEGEND - DEMOLITION RCP

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- BUILDING AREA SEPARATION
- EXISTING TO REMAIN 1X4 FLOURESCENT TYPICAL
- EXISTING TO REMAIN 2X4 FLOURESCENT TYPICAL
- (E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
- (E) GYPSUM WALL BOARD CEILING TO REMAIN
- (E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
- REMOVE GYPSUM CEILING AS NEEDED FOR PIPE REPLACEMENT. PROTECT LIGHT (E) FIXTURES TO REMAIN IN PLACE.
- REMOVE AND SALVAGE ACOUSTICAL CEILING TILE AS NEEDED FOR PIPE REPLACEMENT. PROTECT (E) LIGHT FIXTURES (E) CEILING GRID TO REMAIN IN PLACE.
- REMOVE 1' X 1' ACOUSTICAL AS AS NEEDED FOR PIPE REPLACEMENT. PROTECT (E) LIGHT FIXTURES TO REMAIN IN PLACE.

KEYNOTES - DEMOLITION RCP

- DC 1 Remove (E) piping for installation of new water heater. See Plumbing for detail.
- DC 2 Remove (E) piping for new domestic water pipe and valves. See Plumbing for detail.
- DC 3 (E) Operable partition to remain.
- DC 4 Piping scope above ceiling.
- DC 5 Remove gypsum ceiling as required for new access panel at shut-off valve.

KEY PLAN



1 DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 02/28/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
DEMOLITION
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA C

Drawing #:

AD211C

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated March 2009.

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SHEET NOTES - DEMOLITION RCP

- A. At piping replacement scope, acoustical ceiling tiles to be removed, salvaged, and protected during construction. Contractor to store salvaged ceiling tiles on site for reinstallation. Contractor to assume 10% replacement for lost or damaged ceiling tiles.
- B. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

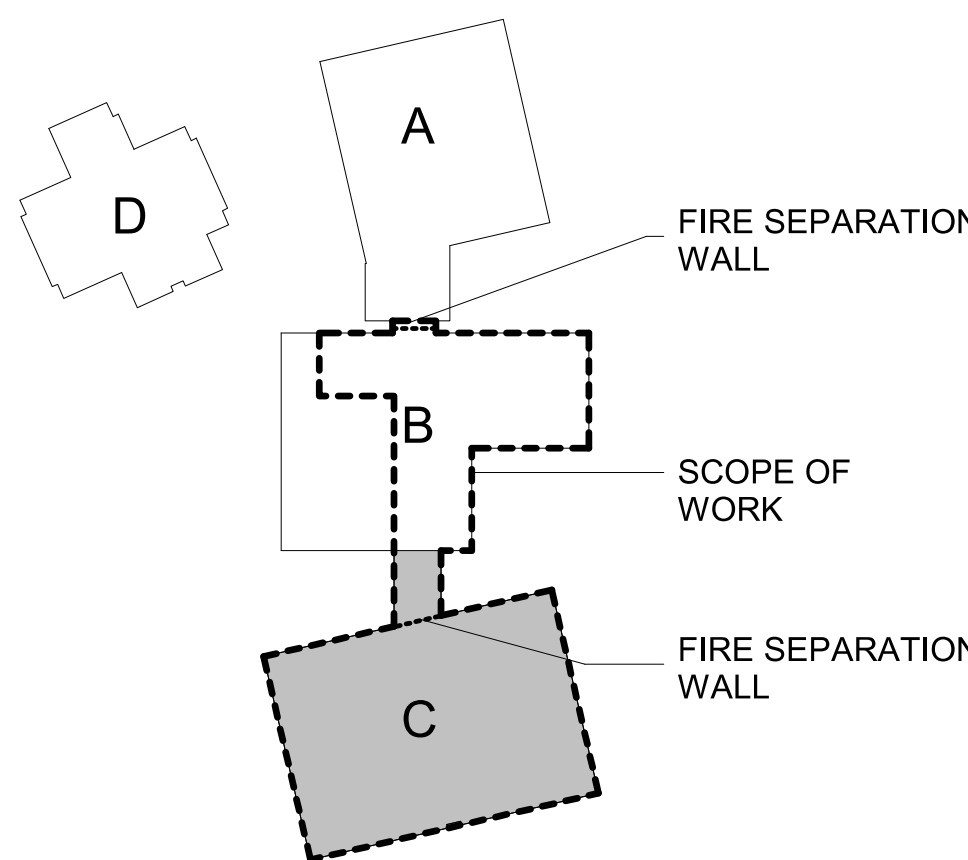
LEGEND - DEMOLITION RCP

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- BUILDING AREA SEPARATION
- EXISTING TO REMAIN 1X4 FLOURESCENT TYPICAL
- EXISTING TO REMAIN 2X4 FLOURESCENT TYPICAL
- (E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
- (E) GYPSUM WALL BOARD CEILING TO REMAIN
- (E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
- REMOVE GYPSUM CEILING AS NEEDED FOR PIPE REPLACEMENT. PROTECT LIGHT (E) FIXTURES TO REMAIN IN PLACE.
- REMOVE AND SALVAGE ACOUSTICAL CEILING TILE AS NEEDED FOR PIPE REPLACEMENT. PROTECT (E) LIGHT FIXTURES (E) CEILING GRID TO REMAIN IN PLACE.
- REMOVE 1' X 1' ACOUSTICAL AS AS NEEDED FOR PIPE REPLACEMENT. PROTECT (E) LIGHT FIXTURES TO REMAIN IN PLACE.

KEYNOTES - DEMOLITION RCP

- DC 1 Remove (E) piping for installation of new water heater. See Plumbing for detail.
- DC 2 Remove (E) piping for new domestic water pipe and valves. See Plumbing for detail.
- DC 3 (E) Operable partition to remain.
- DC 4 Piping scope above ceiling.
- DC 5 Remove gypsum ceiling as required for new access panel at shut-off valve.

KEY PLAN



1 DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - AREA C
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

#	△	Revision	Date
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Drawing Name:
FLOOR PLAN - FIRST
FLOOR - AREA B

Drawing #:

A201B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

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SHEET NOTES - FLOOR PLAN

- A. All dimensions are to face of finish, U.N.O.
B. All dimensions to be field verified.
C. Keynotes are not sheets specific.
D. See Enlarged Plans, where applicable, for wall types, notes, and dimensions.
E. Coordinate all work with other trades.
F. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

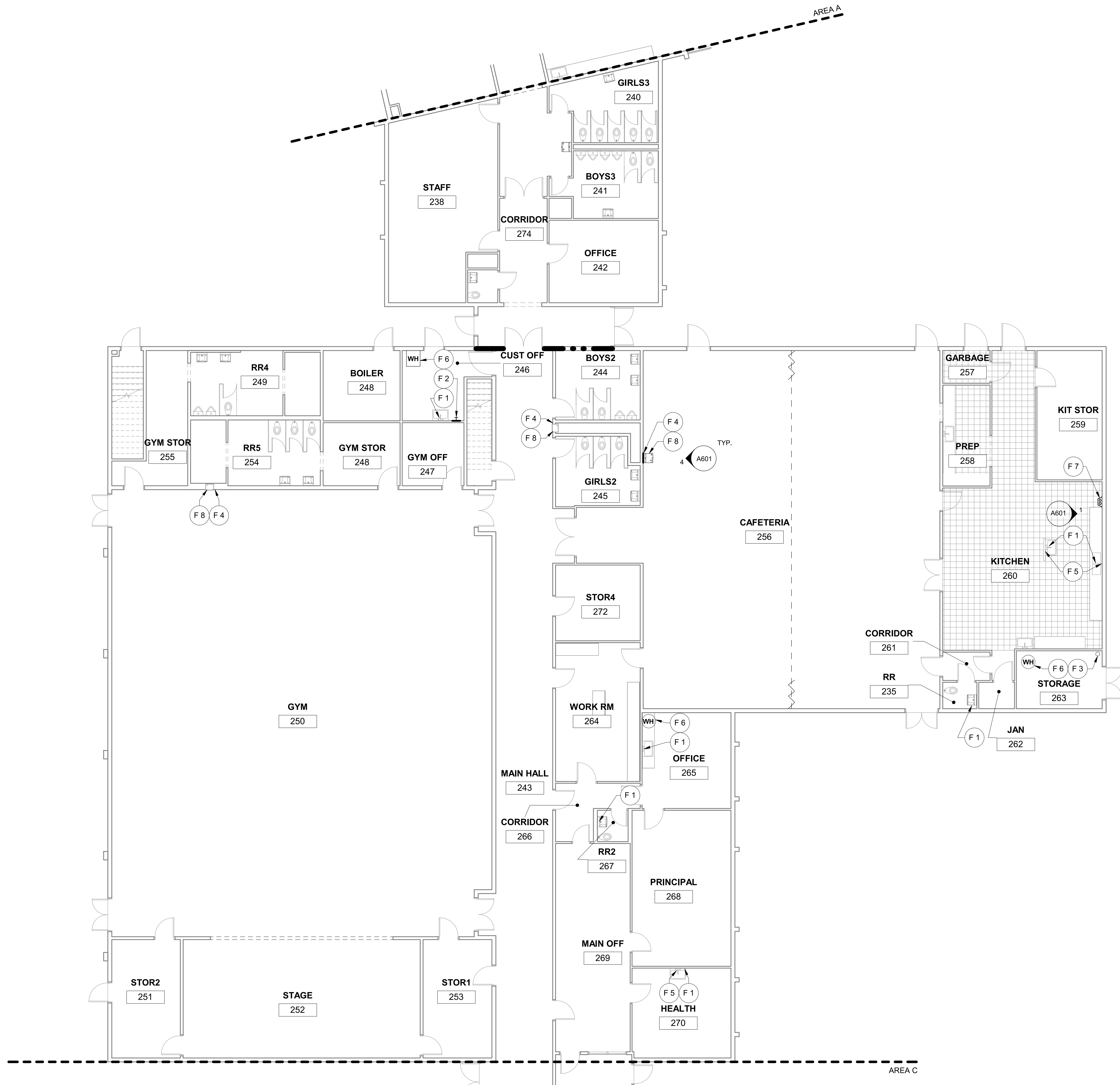
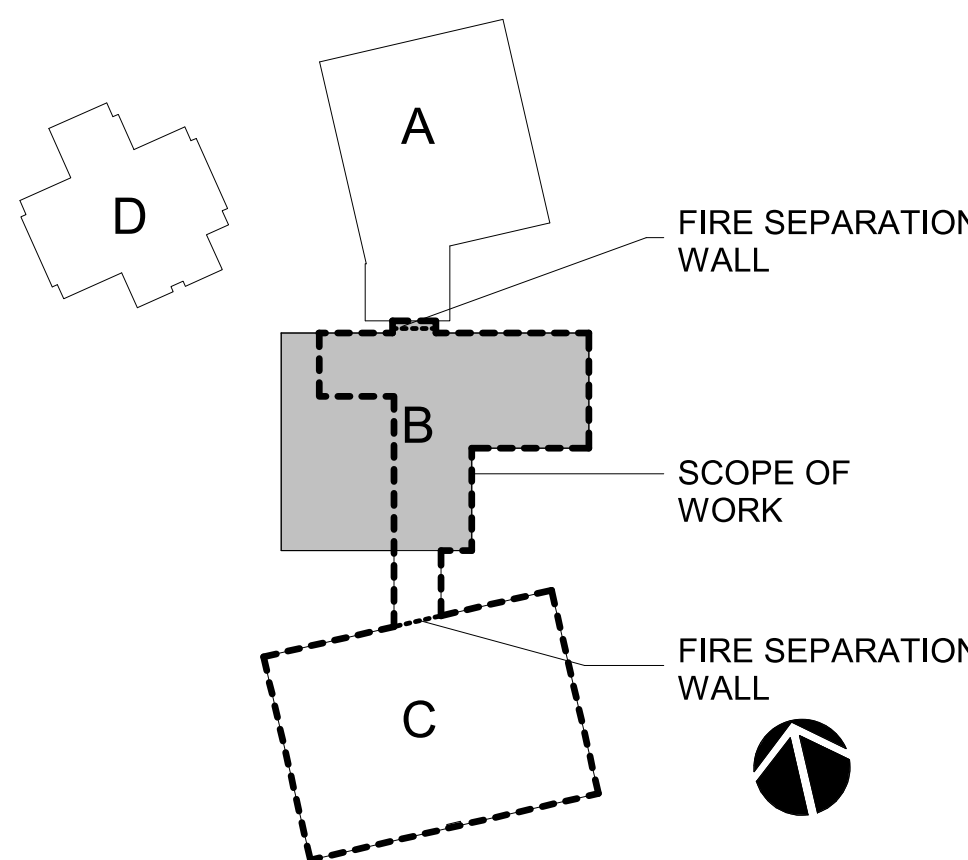
LEGEND - FLOOR PLAN

- NEW WALL
EXISTING WALL TO REMAIN
BUILDING AREA SEPARATION
(E) 1" CERAMIC TILE, PROTECT DURING CONSTRUCTION

KEYNOTES - FLOOR PLAN

- F 1 New faucet at (E) sink; new bubbler where present. See Plumbing for detail.
F 2 New hose bib and piping at (E) chemical dispenser. Patch, sand, and paint new and existing walls for consistent wall finish. Replace full extent of protective wall covering to match existing color/texture. See Plumbing for detail.
F 3 New domestic water pipe and valves. See Plumbing for detail.
F 4 Patch gypsum board at pipe replacement. Patch, sand, and paint new and existing walls for consistent wall finish. See typical interior elevations for additional detail.
F 5 (E) pipes in wall to remain. See Plumbing for detail.
F 6 New water heater. See Plumbing for detail.
F 7 New stainless steel protective cover at new piping. Protect (E) drinking fountain in place.
F 8 New pipes at (E) drinking fountain.

KEY PLAN



1 FLOOR PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

#	△	Revision	Date
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Drawing Name:
FLOOR PLAN - FIRST
FLOOR - AREA C

Drawing #:

A201C

SHEET NOTES - FLOOR PLAN

- A. All dimensions are to face of finish, U.N.O.
B. All dimensions to be field verified.
C. Keynotes are not sheets specific.
D. See Enlarged Plans, where applicable, for wall types, notes, and dimensions.
E. Coordinate all work with other trades.
F. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

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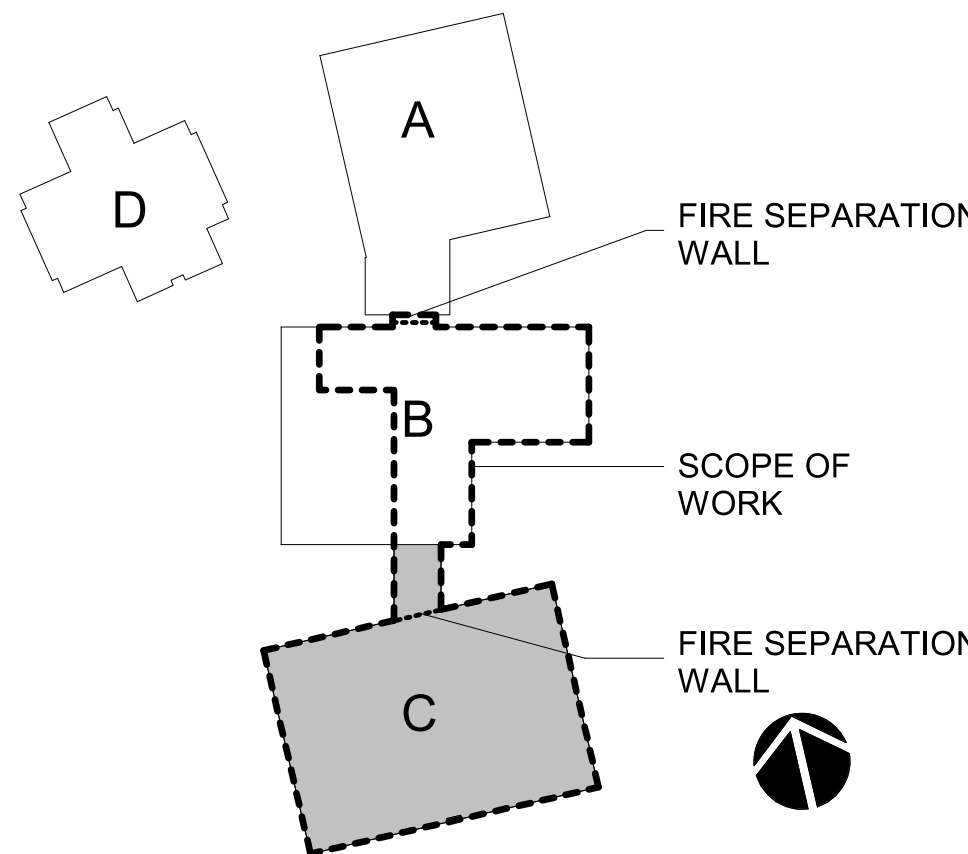
LEGEND - FLOOR PLAN

- NEW WALL
EXISTING WALL TO REMAIN
BUILDING AREA SEPARATION
(E) 1" CERAMIC TILE, PROTECT DURING CONSTRUCTION

KEYNOTES - FLOOR PLAN

- F 1 New faucet at (E) sink; new bubbler where present. See Plumbing for detail.
F 2 New hose bib and piping at (E) chemical dispenser. Patch, sand, and paint new and existing walls for consistent wall finish. Replace full extent of protective wall covering to match existing color/texture. See Plumbing for detail.
F 3 New domestic water pipe and valves. See Plumbing for detail.
F 4 Patch gypsum board at pipe replacement. Patch, sand, and paint new and existing walls for consistent wall finish. See typical interior elevations for additional detail.
F 5 (E) pipes in wall to remain. See Plumbing for detail.
F 6 New water heater. See Plumbing for detail.
F 7 New stainless steel protective cover at new piping. Protect (E) drinking fountain in place.
F 8 New pipes at (E) drinking fountain.

KEY PLAN



1 FLOOR PLAN - FIRST FLOOR - AREA C
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

#/△ Revision Date

Drawing Name:
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA B

Drawing #:

A211B

SHEET NOTES - RCP

- A. Keynotes are not sheet specific.
B. All heights shown are to bottom of grid system or gyp bd AFF, relative to the floor that the ceiling plan is shown on, UNO.
C. Ceiling height is 8'-0" AFF, UNO.
D. All ceiling grids are to be centered in the room or defined boundary, UNO. Fragments of ceiling tile to be no less than 4", UNO.
E. "Downlight" or "wall-washer" ceiling fixtures, smoke detectors, life safety speakers, AV speakers, exit signs, sprinklers, mirrors, fire alarm or signal devices, or other ceiling mounted devices are to be centered in an apparent ceiling tile, UNO.
F. Door exit signs to be located 12" clear from, and centered on, the door to which exit is indicated, UNO.
G. Contractor to coordinate Owner's telecom and security contractor's work.
H. Refer to electrical engineer's documents for lighting & lighting control specifications.
I. Refer to mechanical engineer's documents for HVAC & plumbing equipment & control specifications.
J. Refer to owner's technology engineer's documents for lighting & lighting control specifications.
K. Relocate (E) sprinklers, smoke detectors, and speakers as required for ceiling layout
L. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

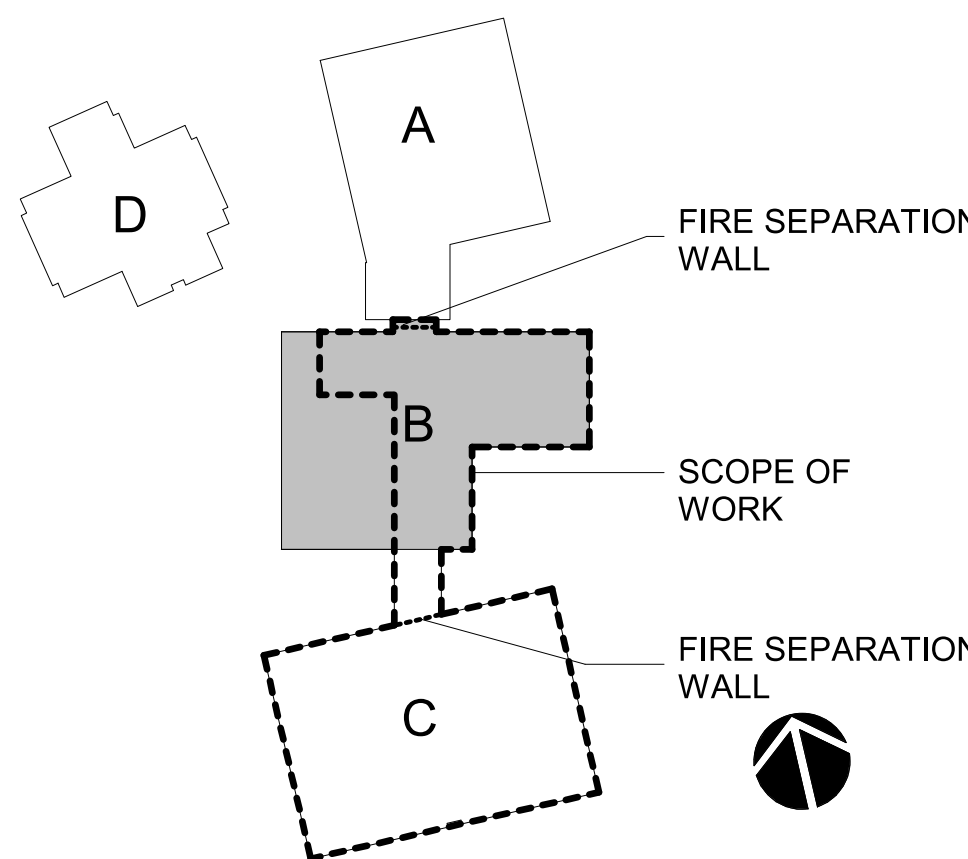
LEGEND - RCP

- EXISTING TO REMAIN
NEW CONSTRUCTION
BUILDING AREA SEPARATION
EXISTING TO REMAIN 1X4 FLOURESCENT TYPICAL
EXISTING TO REMAIN 2X4 FLOURESCENT TYPICAL
(E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
(E) GYPSUM WALL BOARD CEILING TO REMAIN
(E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
PATCH, SAND, AND REPAIR GYPSUM CEILING TO ACHIEVE CONSISTENT FINISH.
REINSTALL SALVAGED 2' X 4' ACOUSTICAL CEILING TILES. FACTOR 10% REPLACEMENT FOR DAMAGED TILE
PATCH AND REPAIR 1' X 1' ACOUSTICAL CEILING AREA.

KEYNOTES - RCP

- C 1 New pipe to connect to new water heater. See Plumbing for detail.
C 2 New domestic water pipe and valves. See Plumbing for detail.
C 3 (E) Operable partition to remain.
C 4 Piping scope above ceiling.
C 5 Provide firestopping at new pipe penetration at (E) wall to maintain existing fire separation.
C 6 New 18" x 18" panel access to shut-off valve. Coordinate placement with Owner, Architect, and Plumbing.

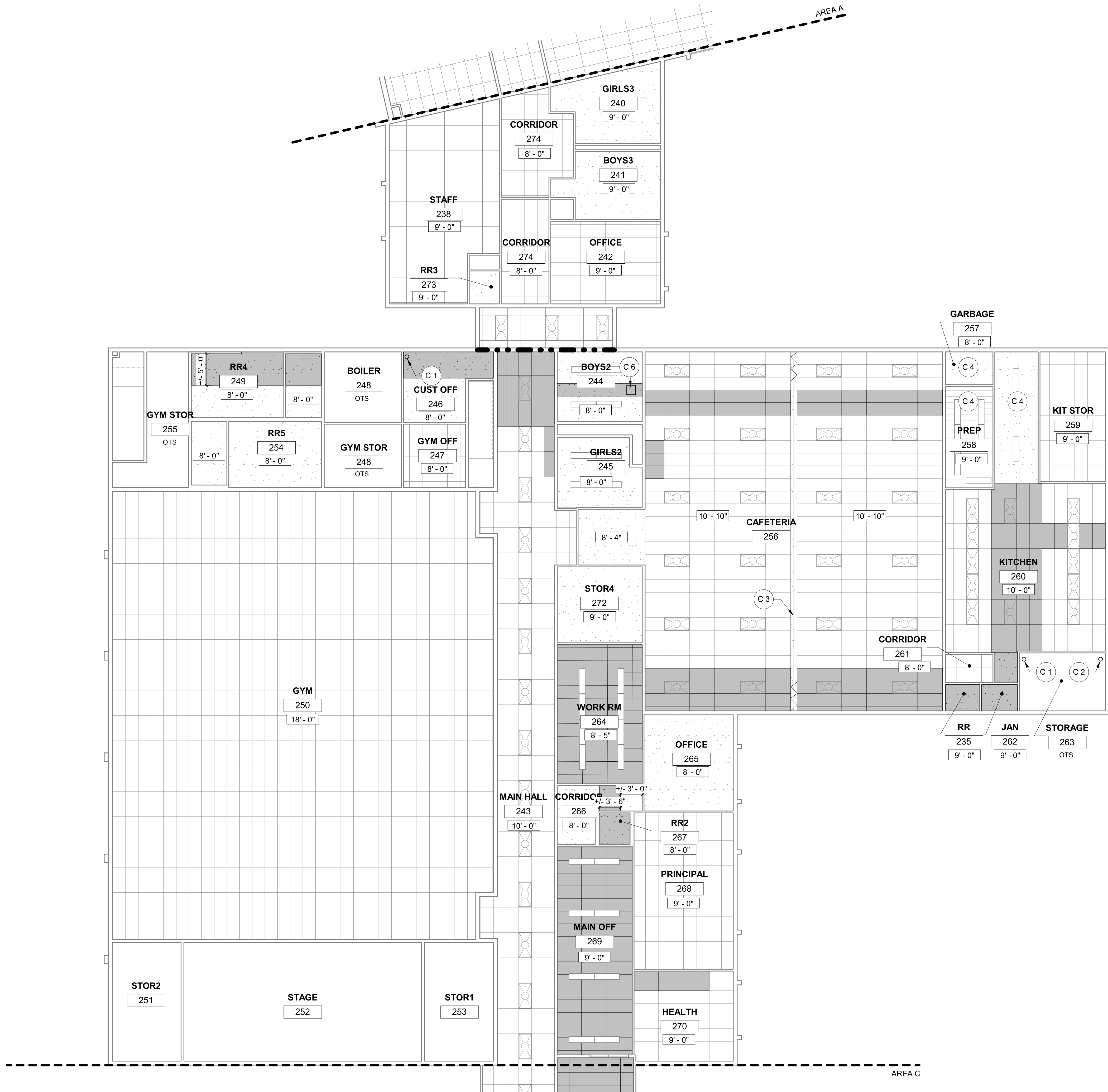
KEY PLAN



NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

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1 REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA C

Drawing #:

A211C

SHEET NOTES - FLOOR PLAN

- A. All dimensions are to face of finish, U.N.O.
B. All dimensions to be field verified.
C. Keynotes are not sheets specific.
D. See Enlarged Plans, where applicable, for wall types, notes, and dimensions.
E. Coordinate all work with other trades.
F. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated March 2009.

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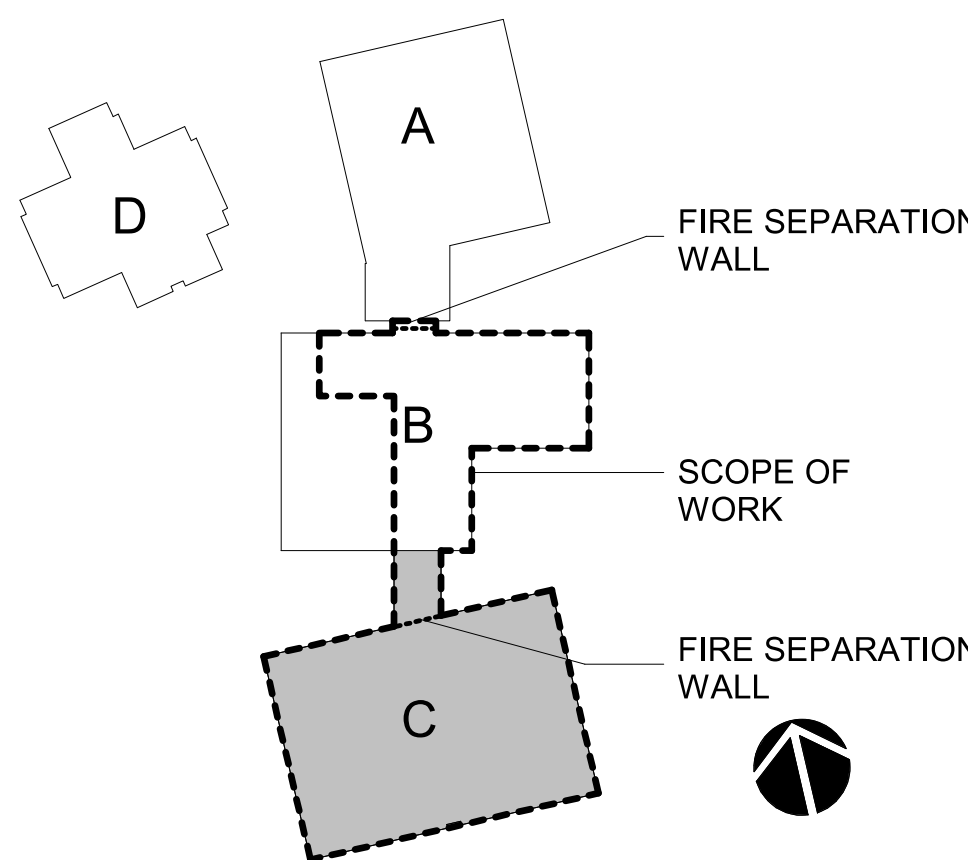
LEGEND - RCP

- EXISTING TO REMAIN
NEW CONSTRUCTION
BUILDING AREA SEPARATION
EXISTING TO REMAIN 1X4 FLOURESCENT TYPICAL
EXISTING TO REMAIN 2X4 FLOURESCENT TYPICAL
(E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
(E) GYPSUM WALL BOARD CEILING TO REMAIN
(E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
PATCH, SAND, AND REPAIR GYPSUM CEILING TO ACHIEVE CONSISTENT FINISH.
REINSTALL SALVAGED 2' X 4' ACOUSTICAL CEILING TILES. FACTOR 10% REPLACEMENT FOR DAMAGED TILE
PATCH AND REPAIR 1' X 1' ACOUSTICAL CEILING AREA.

KEYNOTES - RCP

- C 1 New pipe to connect to new water heater. See Plumbing for detail.
C 2 New domestic water pipe and valves. See Plumbing for detail.
C 3 (E) Operable partition to remain.
C 4 Piping scope above ceiling.
C 5 Provide firestopping at new pipe penetration at (E) wall to maintain existing fire separation.
C 6 New 18" x 18" panel access to shut-off valve. Coordinate placement with Owner, Architect, and Plumbing.

KEY PLAN



1 REFLECTED CEILING PLAN - FIRST FLOOR - AREA C
1/8" = 1'-0"

SHEET NOTES - INTERIOR ELEVATION

- A. All work to comply with 2019 Oregon Structural Specialty Code.
B. Keynotes are not sheet specific.
C. All dimensions shown are to face of finish U.N.O. Do not measure drawings to determine dimensions. Large scale details take precedence over smaller scale drawings.
D. Contractor shall field verify all existing construction and related conditions prior to starting demolition or new construction.
E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
F. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with Architect, Engineer and Owner.
G. All interior patching and repair shall occur in the interior improvements scope of work. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
H. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
I. Where interruption of the building's Life Safety System is required to perform the work as described in the construction documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
J. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the work.
K. Contractor to coordinate installation and scheduling of Owner or Owner's vendor provided or installed fixtures and equipment.
L. Contractor shall be solely responsible for the design and construction of all shoring and bracing required for construction of the Work. Contractor shall not store construction materials or equipment in a manner such that the design live loads of the structure are exceeded.
M. All features of the Work not fully shown shall be of the same type and character shown for similar conditions. In the event that additional work is required to complete the Work as intended or required by governing codes and safety regulations, yet omitted or not fully shown on the drawings. Contractor must still provide carpentry, mechanical, electrical and/or plumbing work as necessary for Certificate of Occupancy.

CONSULTANTS:



STAMP:



LEGEND - DEMOLITION INTERIOR ELEVATION

- EXISTING AREA OF GYPSUM TO BE DEMOLISHED
EXISTING TO REMAIN
EXISTING TO BE DEMOLISHED

LEGEND - INTERIOR ELEVATION

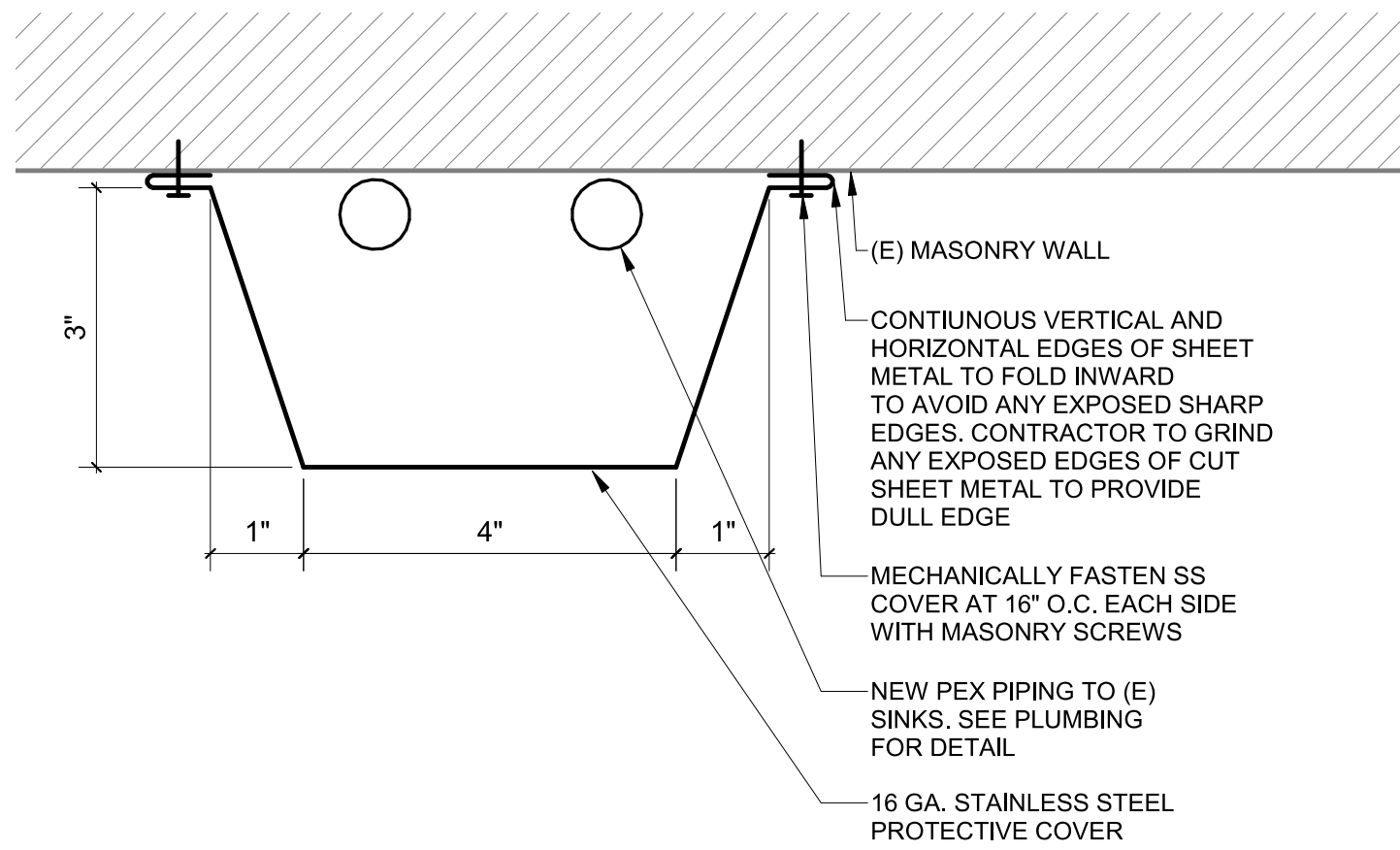
- NEW AREA OF GYPSUM TO BE REINSTALLED
EXISTING TO REMAIN
NEW CONSTRUCTION

KEYNOTES -
DEMOLITION
INTERIOR ELEVATION

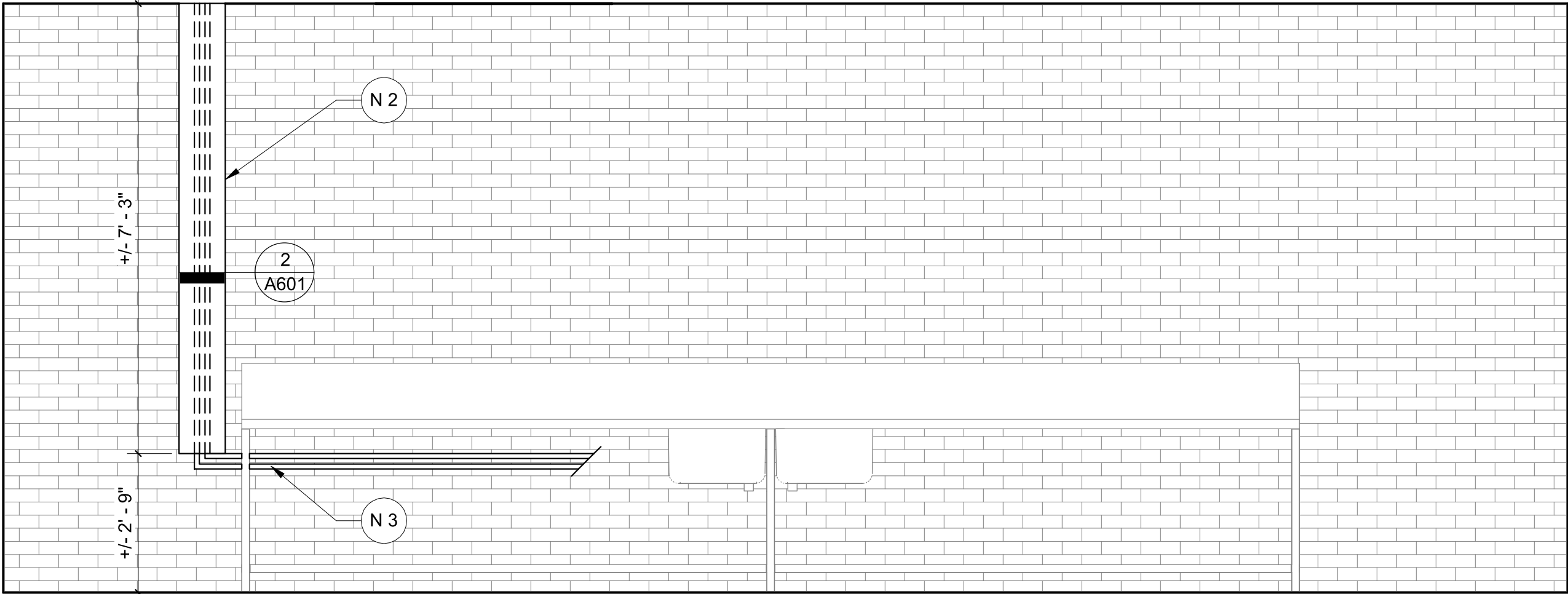
- DN 1 Demo gypsum wall surface as needed to route new piping to (E) drinking fountain. See Plumbing for detail.
DN 2 (E) drinking fountain to remain in place, protect during construction.

KEYNOTES -
INTERIOR ELEVATION

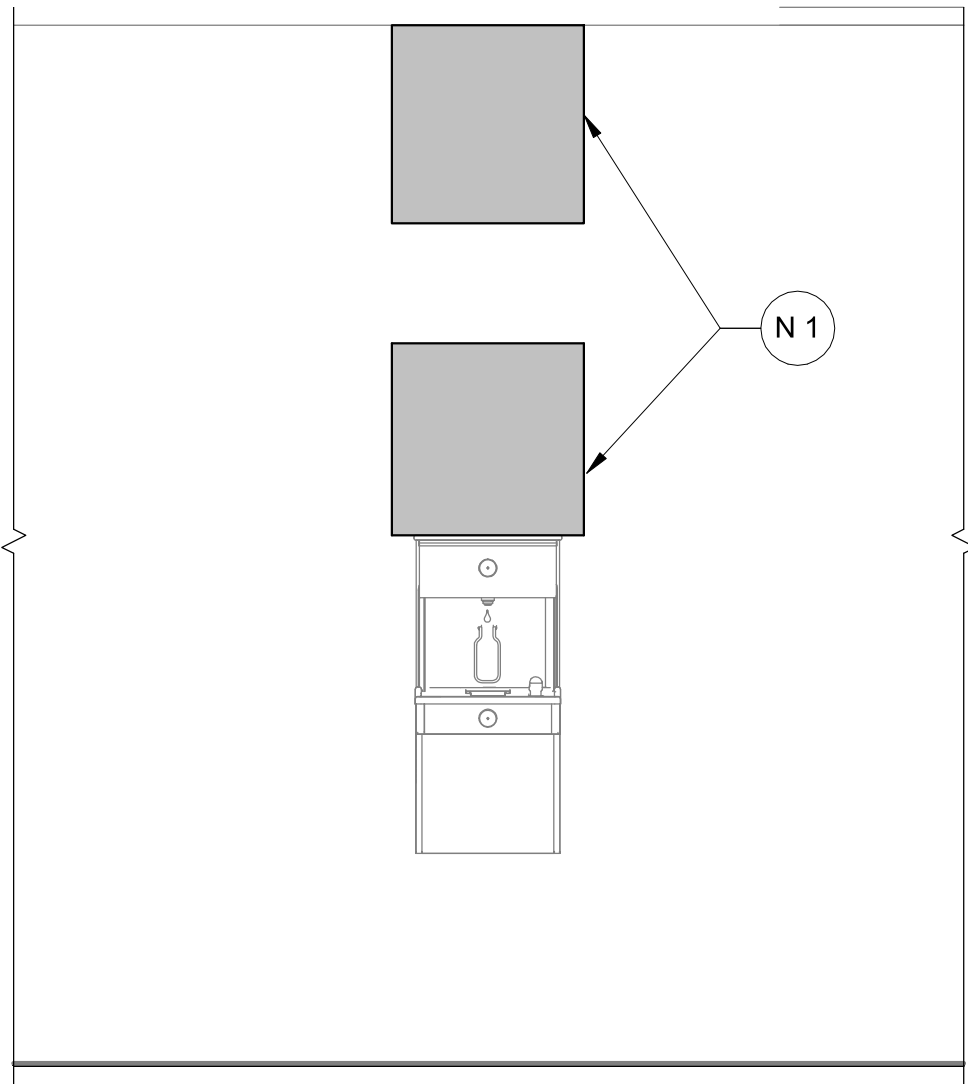
- N 1 Repair wall at pipe replacement. Patch, sand, and paint wall to achieve consistent wall finish. Protect drinking fountain in place.
N 2 New stainless steel protective cover mounted to (E) brick wall.
N 3 New piping routed below existing sink. Pipe to be mounted to (E) brick wall. See Plumbing for detail.



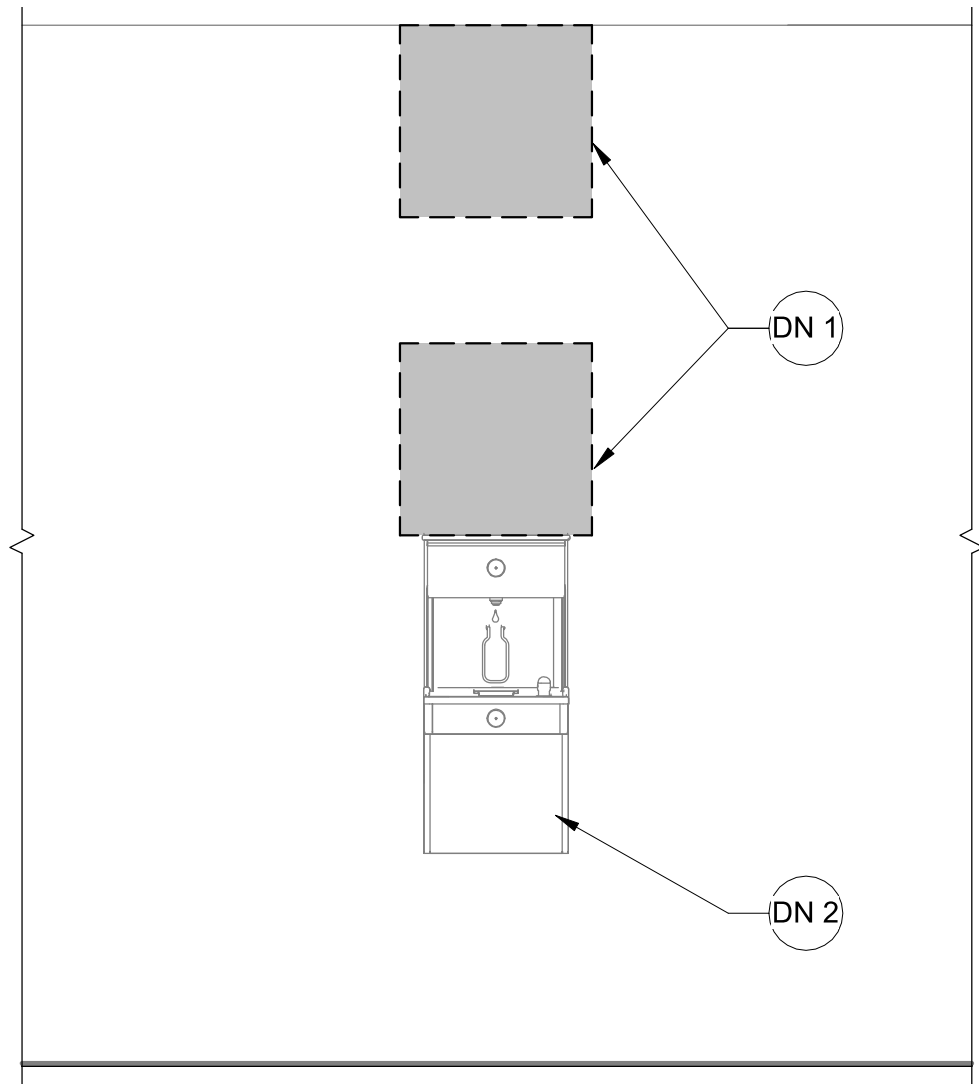
2 PROTECTIVE COVER DETAIL
6" = 1'-0"



1 KITCHEN 260 - EAST
1/2" = 1'-0"



4 TYPICAL DRINKING FOUNTAIN SCOPE
1/2" = 1'-0"



3 DEMOLITION - TYPICAL DRINKING FOUNTAIN SCOPE
1/2" = 1'-0"

BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

#/△ Revision Date

Drawing Name:
INTERIOR ELEVATIONS

Drawing #:

A601

Rev Data B Title 3/11/2022 4:45:29 PM

PLUMBING PIPING AND INSULATION SCHEDULE

SYSTEM	SIZE RANGE (INCHES)	LOCATION	PIPE MATERIAL (NOTE 1)	JOINT TYPE (NOTE 1)	VALVE TYPES (NOTE 3)	INSULATION TYPE 2)	(NOTE	INSULATION THICKNESS (INCHES)	JACKET (NOTE 4)	NOTES
DOMESTIC COLD WATER	3/4 - 1 1/4	ABOVE GROUND	TYPE L COPPER	PRESS-CONNECT PRESSURE	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1/2	PVC	5
DOMESTIC COLD WATER	3/4 - 1 1/4	ABOVE GROUND	PEX-a	BRASS COLD EXPANSION	LF BRASS BALL	MINERAL FIBER		1/2	PVC	5
DOMESTIC COLD WATER	1 1/2 - 2	ABOVE GROUND	TYPE L COPPER	PRESS-CONNECT PRESSURE	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1	PVC	5
DOMESTIC COLD WATER	1 1/2 - 2	ABOVE GROUND	PEX-a	BRASS COLD EXPANSION	LF BRASS BALL	MINERAL FIBER		1	PVC	5
DOMESTIC COLD WATER	2 1/2 - 3	ABOVE GROUND	TYPE L COPPER	PRESS-CONNECT PRESSURE	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1	PVC	5
DOMESTIC COLD WATER	4	ABOVE GROUND	TYPE L COPPER	FLANGED	LF CI OR BRONZE BUTTERFLY	MINERAL FIBER		1	PVC	5
DOMESTIC HOT WATER	3/4 - 1 1/4	ABOVE GROUND	TYPE L COPPER	PRESS-CONNECT PRESSURE	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1	PVC	5
DOMESTIC HOT WATER	3/4 - 1 1/4	ABOVE GROUND	PEX-a	BRASS COLD EXPANSION	LF BRASS BALL	MINERAL FIBER		1	PVC	5
DOMESTIC HOT WATER	1 1/2 - 2	ABOVE GROUND	TYPE L COPPER	SOLDER	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1 1/2	PVC	5
DOMESTIC HOT WATER	1 1/2 - 2	ABOVE GROUND	PEX-a	BRASS COLD EXPANSION	LF BRASS BALL	MINERAL FIBER		1 1/2	PVC	5
DOMESTIC HOT WATER CIRC	3/4 - 1 1/4	ABOVE GROUND	TYPE L COPPER	SOLDER	BRONZE BALL W/ SS TRIM	MINERAL FIBER		1	PVC	5

- NOTES:
- ALL PIPING UTILIZED FOR POTABLE WATER SHALL MEET NSF 14, 61 AND 372.
 - REFER TO SPECIFICATIONS FOR FURTHER INSULATION REQUIREMENTS. INSULATION R-VALUE SHALL MEET ASHRAE 90.1-2016 REQUIREMENTS.
 - ALL VALVES UTILIZED IN POTABLE WATER SYSTEMS SHALL MEET NSF 61 AND 372. REFER TO SPECIFICATIONS FOR FURTHER VALVE REQUIREMENTS.
 - EXPOSED PIPING MOUNTED BELOW 6"4" ABOVE FLOOR SHALL HAVE PVC JACKET.
 - INSULATION APPLIED TO PIPING THAT IS LOCATED IN RETURN AIR PLENUMS SHALL MEET ASTM E 84 25/50 FLAME AND SMOKE SPREAD RATING AND COMPLY WITH NFPA STANDARD 90A.

PLUMBING FIXTURE SCHEDULE

REFERENCE	MFR	MODEL	DESCRIPTION	TRIM
BFP-1	WATTS	LF007	DOUBLE CHECK VALVE ASSEMBLY - IN-LINE, 1/2" OUTLET, LEAD FREE BRONZE, QUARTER TURN INLET AND OUTLET SHUT-OFF VALVES, TOP-MOUNTED TEST COCKS.	NA
CSB-1	CHICAGO FAUCETS	748-665ABCP	CLASSROOM SINK BUBBLER - DECK MOUNTED, CAST BRASS CONSTRUCTION, CHROME PLATED BUBBLER, 0.74 GPM FLOW CONTROL, METAL MOUTH GUARD, VANDAL PROOF 1-3/4" INDEXED METERING PUSH HANDLE, INSTANT OFF CARTRIDGE, CERTIFIED TO NSF/ANSI 61, ADA COMPLIANT.	ACCESSORIES - 3/8" COMPRESSION SUPPLY TEE, STAINLESS STEEL SUPPLY HOSE
CSF-1	CHICAGO FAUCETS	50-CP	CLASSROOM SINK FAUCET - SINGLE HOLE, DECK-MOUNTED MANUAL SINK FAUCET, CAST BRASS CONSTRUCTION, 5-1/4" RIGID/SWING GOOSENECK SPOUT, VANDAL PROOF 2-3/8" LEVER HANDLES, [CERAMIC OR QUATURN COMPRESSION CARTRIDGES], [0.5 OR 1.0 OR 1.5 OR 2.2 GPM AERATOR], FLEXIBLE STAINLESS STEEL SUPPLY HOSES WITH 3/8" COMPRESSION FITTINGS. NSF/ANSI 61, ADA COMPLIANT.	THERMOSTATIC MIXING VALVE - ASSE 1070 LISTED, WITH COMBINATION STOP, STRAINER, AND CHECK VALVES. SET TO 110 OUTLET TEMPERATURE. ACCESSORIES - LEAD-FREE BRASS STOP VALVE WITH 1/2" PEX-A COLD EXPANSION FITTING TO 3/8" COMPRESSION FITTING AND WHEEL OPERATOR, STAINLESS STEEL SUPPLY HOSE EXTENSIONS WHERE REQUIRED, ESCUTCHEONS.
EEW-1	HAWS	8904	EMERGENCY EYE WASH - DECK MOUNTED EYE/FACE WASH AND BODY SPRAY, RIGHT HAND MOUNTING - ANSI Z358.1-2014, CHROME PLATED BRASS STAY-OPEN SQUEEZE LEVER VALVE, 8 FT HOSE WITH SWIVEL FITTING, PLASTIC DECK FLANGE, UNIVERSAL SIGN, 1/2" INCH NPT INLET, 3,7 GPM FLOW.	MIXING VALVE - HAWS 9201 EW EMERGENCY THERMOSTATIC MIXING VALVE TO PROVIDE TEPID WATER BY MIXING HOT AND COLD WATER, ANSI Z358.1-2014. MOUNT MIXING VALVE UNDER SINK. VACUUM BREAKER - HAWS SP212
ET-1	AMTROL	ST-5	EXPANSION TANK - NON-ASME PARTIAL ACCEPTANCE BLADDER TYPE, 8 IN DIAMETER, 13 IN HEIGHT, STEEL SHELL, BUTYL NSF/ANSI 61 BLADDER, FACTORY PRECHARGED TO 90 PSIG. ADJUST CHARGE AFTER INSTALLATION TO MATCH WATER SUPPLY PRESSURE.	NA
ET-2	AMTROL	ST-5	EXPANSION TANK - NON-ASME PARTIAL ACCEPTANCE BLADDER TYPE, 8 IN DIAMETER, 13 IN HEIGHT, STEEL SHELL, BUTYL NSF/ANSI 61 BLADDER, FACTORY PRECHARGED TO 90 PSIG. ADJUST CHARGE AFTER INSTALLATION TO MATCH WATER SUPPLY PRESSURE.	NA
HB-1	CHICAGO FAUCETS	293-369COLDCP	INSIDE SILL FITTING - WALL-MOUNTED, CHROME PLATED BODY, 2-3/8" METAL, VANDAL-PROOF, INDEXED HANDLE FOR COLD WATER, 1/2" NPT FEMALE THREAD INLET, 3/4" MALE HOSE THREAD OUTLET.	NA
LF-1	CHICAGO FAUCETS	802-VCP	LAVATORY FAUCET - DECK MOUNTED MIXING FAUCET, 4" CENTERS, CHROME PLATED, CAST BRASS SPOUT, 0.5 GPM VANDAL PROOF AERATOR, 2-3/8" METAL, VANDAL-PROOF, INDEXED LEVER HANDLES, COMPRESSION CARTRIDGE, 90 DEGREE OPEN/CLOSE, 1/2" NPSM SUPPLY INLETS AND COUPLING NUT FOR 3/8" RISER. NSF/ANSI 61, ADA COMPLIANT.	THERMOSTATIC MIXING VALVE - ASSE 1070 LISTED, WITH COMBINATION STOP, STRAINER, AND CHECK VALVES. SET TO 110 OUTLET TEMPERATURE. ACCESSORIES - LEAD-FREE BRASS STOP VALVE WITH 1/2" PEX-A COLD EXPANSION FITTING TO 3/8" COMPRESSION FITTING AND WHEEL OPERATOR, CHROME PLATED RIGID SUPPLIES, ADA COMPLIANT PIPING INSULATION KIT, ESCUTCHEONS.
KSF-1	CHICAGO FAUCETS	1100-E35ABCP	KITCHEN SINK FAUCET - DECK-MOUNTED MANUAL SINK FAUCET WITH 8" CENTERS. CHROME PLATED CAST BRASS CONSTRUCTION. L-TYPE 8" SWING SPOUT, 2" METAL INDEXED SINGLE-WING HANDLES, QUATURN COMPRESSION CARTRIDGES, 1.5 GPM AERATOR, NSF/ANSI 61, ADA COMPLIANT.	ACCESSORIES - LEAD-FREE BRASS STOP VALVE WITH 1/2" PEX-A COLD EXPANSION FITTING TO 3/8" COMPRESSION FITTING AND WHEEL OPERATORS, ESCUTCHEONS, RIGID SUPPLIES.
PFF-1	T&S BRASS	B-0201	POT FILLER FAUCET - SINGLE HOLE DECK MOUNT MIXING FAUCET. CHROME PLATED BRASS BODY, 12" SWING NOZZLE, STREAM REGULATOR OUTLET, COMPRESSION CARTRIDGES WITH SPRING CHECKS, LEVER HANDLES, 18" FLEXIBLE STAINLESS STEEL SUPPLY HOSES. CERTIFIED TO NSF/ANSI 61, ADA COMPLIANT	NA
PSF-1	CHICAGO FAUCETS	891-DJ13ABCP	PREP SINK FAUCET - DECK MOUNT MIXING FAUCET WITH 4" CENTER HOLES. CHROME PLATED CAST BRASS BODY, 13" DOUBLE JOINTED SWING SPOUT, 2.2 GPM AERATOR, COMPRESSION CARTRIDGES, INDEXED LEVER HANDLES, 1/2" SUPPLY INLETS AND COUPLING NUTS FOR 3/8" OR 1/2" SUPPLIES. CERTIFIED TO NSF/ANSI 61.	NA
SSF-1	CHICAGO FAUCETS	445-8975RXKCCP	SERVICE SINK FAUCET - WALL-MOUNT MIXING FAUCET, 3-3/8" BODY, ADJUSTABLE ARMS 3" - 8-3/8" CENTERS. CHROME PLATED, RIGID SPOUT WITH VACUUM BREAKER, 3/4" MALE HOSE THREAD, PAIL HOOK, 2-3/8" METAL VANDAL-PROOF HANDLES WITH INDEX BUTTONS. CERAMIC QUARTER TURN CARTRIDGE WITH INTEGRATED CHECK VALVE, 2-1/2" OFFSET SUPPLY ARM WITH INTEGRAL CHECK AND SHUT-OFF STOP, 1/2" NPT FEMALE THREAD INLET, 2-5/16" DIAMETER SLIP FLANGE.	ACCESSORIES - LEAD-FREE BRASS STOP VALVES, RIGID SUPPLIES.

NOTES:

PLUMBING FIXTURE ROUGH-IN SCHEDULE

FIXTURE	CW	HW	VENT	WASTE	NOTES
ELECTRIC WATER COOLER	1/2"	-	1 1/2"	1 1/2"	1,2
EMERGENCY EYEWASH	1/2"	1/2"	1 1/2"	1 1/2"	1,2,3
HOSE BIBB (INTERIOR)	1/2"	-	-	-	1
LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"	1,2
MOP BASIN	3/4"	3/4"	1 1/2"	3"	1
SINK	1/2"	1/2"	1 1/2"	1 1/2"	1,2
URINAL (FLUSH VALVE)	3/4"	-	1 1/2"	2"	1
WALL HYDRANT (EXTERIOR)	3/4"	-	-	-	1
WASH FOUNTAIN	1/2"	1/2"	1 1/2"	1 1/2"	1,2
WATER CLOSET (TANK TYPE)	1/2"	-	2"	4"	1
WATER CLOSET (FLUSH VALVE)	1"	-	-	4"	1

- NOTES:
- ALL SIZES SHOWN ARE MINIMUM...
 - ALL VERTICAL WASTE RISERS TO FIXTURE...
 - CW/HW TO MIXING VALVE. TEPID WATER...

GAS WATER HEATER

REFERENCE	WH-1	WH-2
TYPE	GAS STORAGE	GAS INSTANTANEOUS
MANUFACTURER	AO SMITH	AO SMITH
MODEL #	BTR-197	CT-199
SERVES	KITCHEN	CENTRAL RESTROOMS
FUEL	NATURAL GAS	NATURAL GAS
INLET GAS PRESSURE (IN. W.C.)	4.5 - 14	4.0 - 10.5
DIMENSIONS	28 DIAM / 70 H	24 H X 18 W X 11 D
NOMINAL TANK CAPACITY (GAL)	100	N/A
RECOVERY (GPH 10F RISE)	193	N/A
INPUT (BTUH)	199,000	199,000
SUPPLY TEMPERATURE (°F)	140	140
VOLTAGE/PH	120/1	120/1
NOTES	1,2,3,4	1,2,3,4,5,6

- NOTES:
- PROVIDE WITH ASME RATED T&P RELIEF VALVE.
 - UNIT TO MEET REQUIREMENTS OF ASHRAE 90.1-2019.
 - DISCONNECTED FURNISHED BY E.C.
 - PROVIDE GAS REGULATOR SUITABLE FOR INCOMING GAS PRESSURE, INPUT CAPACITY, AND WATER HEATER INPUT PRESSURE.
 - PROVIDE CONDENSATE NEUTRALIZATION KIT.
 - PROVIDE WITH CONCENTRIC VENT KIT.

ELECTRIC WATER HEATER

REFERENCE	WH-3	WH-4
TYPE	ELECTRIC STORAGE	ELECTRIC STORAGE
MANUFACTURER	AO SMITH	AO SMITH
MODEL #	DEL15	DEL40
SERVES	ADMIN AREA	AREA C
DIMENSIONS (DIAM IN. / HEIGHT IN.)	18 / 26	24 / 32.25
NOMINAL TANK CAPACITY (GAL)	15	40
RECOVERY (GPH 90F RISE)	7	20
UPPER / LOWER ELEMENT WATTAGE	1,500	4,500 / 4,500
ELEMENT OPERATION	SINGLE ELEMENT	NON-SIMULTANEOUS
VOLTAGE/PH	120/1	208/1
FLA		21.6
NOTES	1,2,3	1,2,3

- NOTES:
- PROVIDE WITH ASME RATED T&P RELIEF VALVE.
 - UNIT TO MEET REQUIREMENTS OF ASHRAE 90.1-2019.
 - DISCONNECTED FURNISHED BY E.C.

MECHANICAL ABBREVIATIONS

ABSOR	ABSORPTION	FS	FLOOR SINK
ACU	AIR CONDITIONING UNIT	FT	FINTUBE
AD	ACCESS DOOR OR AREA DRAIN	FTG	FOOTING
AFF	ABOVE FINISHED FLOOR	GA	GAGE
AFS	ABOVE FINISHED GRADE	GAL	GALLON
AHU	AIR HANDLING UNIT	GALV	GALVANIZED
AV	AIR VENT	GC	GENERAL CONTRACTOR
BOT	BOTTOM	GW	GREASE WASTE
BTU	BRITISH THERMAL UNIT	GPH	GALLONS PER HOUR
BTUH	BTU PER HOUR	GPM	GALLONS PER MINUTE
BV	BALL VALVE	HR	HOSE
CA	COMPRESSED AIR	HTG	HEATING
CB	CATCH BASIN	HB	HOSE BIBB
CE	CENTER LINE	ISP	INTERNAL STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	JR	JANITOR RECEPTOR
CI	CAST IRON	LAV	LAVATORY
CONC	CONDENSATE	MB	MOP BASIN
COND	CONDENSATE	MBH	1000 BTUH
CO	CLEAN OUT	MC	MECHANICAL CONTRACTOR
CONC	CONCRETE	MECH	MECHANICAL
CONTR	CONTRACTOR	MH	MANHOLE
CP	CONDENSATE PUMP/CIRC. PUMP	NTS	NOT TO SCALE
CU	CABINET UNIT HEATER	OA	OUTSIDE AIR
CWP	CIRCULATING WATER PUMP	OD	OVERFLOW ROOF DRAIN
DDC	DIRECT DIGITAL CONTROLS	PSI	POUNDS PER SQUARE INCH
DN	DOWN	PRV	POWER ROOF VENTILATOR
DR	DRAIN	PRV	PRESSURE REDUCING VALVE
DS	DOWNSPOUT	PV	PRESSURE VENT
EA	EXHAUST AIR	PVC	POLYVINYL CHLORIDE
EAT	EXHAUST AIR TEMPERATURE	RA	RETURN AIR
EC	ELECTRICAL CONTRACTOR	RD	ROOF DRAIN
EDBT	ENTERING DRY BULB	RH	RELATIVE HUMIDITY
EEW	EMERGENCY EYE WASH	RTU	ROOF TOP UNIT
EF	EXHAUST FAN	RVT	RELIEF VALVE
EJ	EXPANSION JOINT	SK	SINK
EQUIP	EQUIPMENT	SA	SUPPLY AIR
ESE	EMERGENCY SHOWER/EYEWASH	SH	SHOWER
EST	EXTERNAL STATIC PRESSURE	SO	STORM OVERFLOW
EWBT	ENTERING WET BULB	SS	SERVICE SINK
EW	EMERGENCY WATER COOLER	ST	STORM
EWTC	ELECTRIC WATER COOLER	TCC	TEMPERATURE CONTROL
EW	ENTERING WATER	TYP	TYPICAL
EX	EXISTING	UH	UNIT HEATER
EXH	EXHAUST	URINAL	URINAL
EXP	EXPANSION	UV	UNIT VENTILATOR
FAI	FRESH AIR INTAKE	VA	VENTILATION AIR
FCU	FAN COIL UNIT	VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN	WB	WALL BOX - CONDENSATE
FDC	FIRE DEPARTMENT CONNECTION	WC	WATER CLOSET
FLEX	FLEXIBLE	WH	WATER HEATER
FLR	FLOOR		
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND		

FITTINGS

┐	ELBOW
┐┐	ELBOW - DOUBLE BRANCH
┐┐┐	ELBOW - OUTLET DOWN
┐┐┐┐	ELBOW - OUTLET UP
┐┐┐┐┐	ELBOW - LONG RADIUS
┐┐┐┐┐┐	ELBOW - SHORT RADIUS
┐┐┐┐┐┐┐	45° ELBOW
┐┐┐┐┐┐┐┐	TEE - VENT
┐┐┐┐┐┐┐┐┐	TEE - SANITARY
┐┐┐┐┐┐┐┐┐┐	TEE - OUTLET DOWN
┐┐┐┐┐┐┐┐┐┐┐	TEE - OUTLET UP
┐┐┐┐┐┐┐┐┐┐┐┐	TEE - SIDE OUTLET DOWN
┐┐┐┐┐┐┐┐┐┐┐┐┐	TEE - SIDE OUTLET UP
┐┐┐┐┐┐┐┐┐┐┐┐┐┐	CAPPED CONNECTION
┐┐┐┐┐┐┐┐┐┐┐┐┐┐┐	FLANGED CONNECTION

DOMESTIC CIRC. PUMP

REFERENCE	CP-1	CP-2
MANUFACTURER	TACO	TACO
MODEL #	001563-SF4	0081QSF64-FC
TYPE	INLINE	INLINE
SERVES	WH-2	WH-4
GPM	3	1.5
FT HEAD	14	14
VOLTAGE/PH	120/1	120/1
NOTES	2,3,4	1,2

- NOTES:
- PUMP WITH INTEGRAL "SMART" CONTROLS.
 - EC TO PROVIDE DISCONNECT.
 - FURNISH PUMP WITH DIGITAL TIMER AND AQUASTAT.
 - 3-SPEED ECM MOTOR, BALANCE PUMP TO PROVIDE BETWEEN 2-4 GPM THROUGH WH-2.

KCL
ENGINEERING

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CONSULTANTS:

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194

Date: 03/04/2022

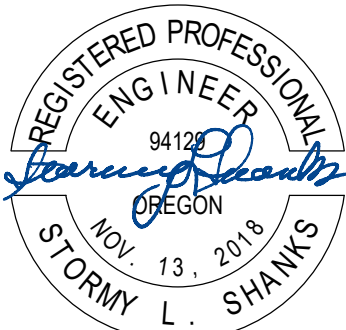
100% CONSTRUCTION
DOCUMENTS

Revision Date

Drawing Name:
PLUMBING GENERAL
NOTES & SYMBOLS

Drawing #:

P000



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100% CONSTRUCTION
DOCUMENTS

#	Revision	Date
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Drawing Name:
FIRST FLOOR
PLUMBING
DEMOLITION PLAN -
AREA B

Drawing #:

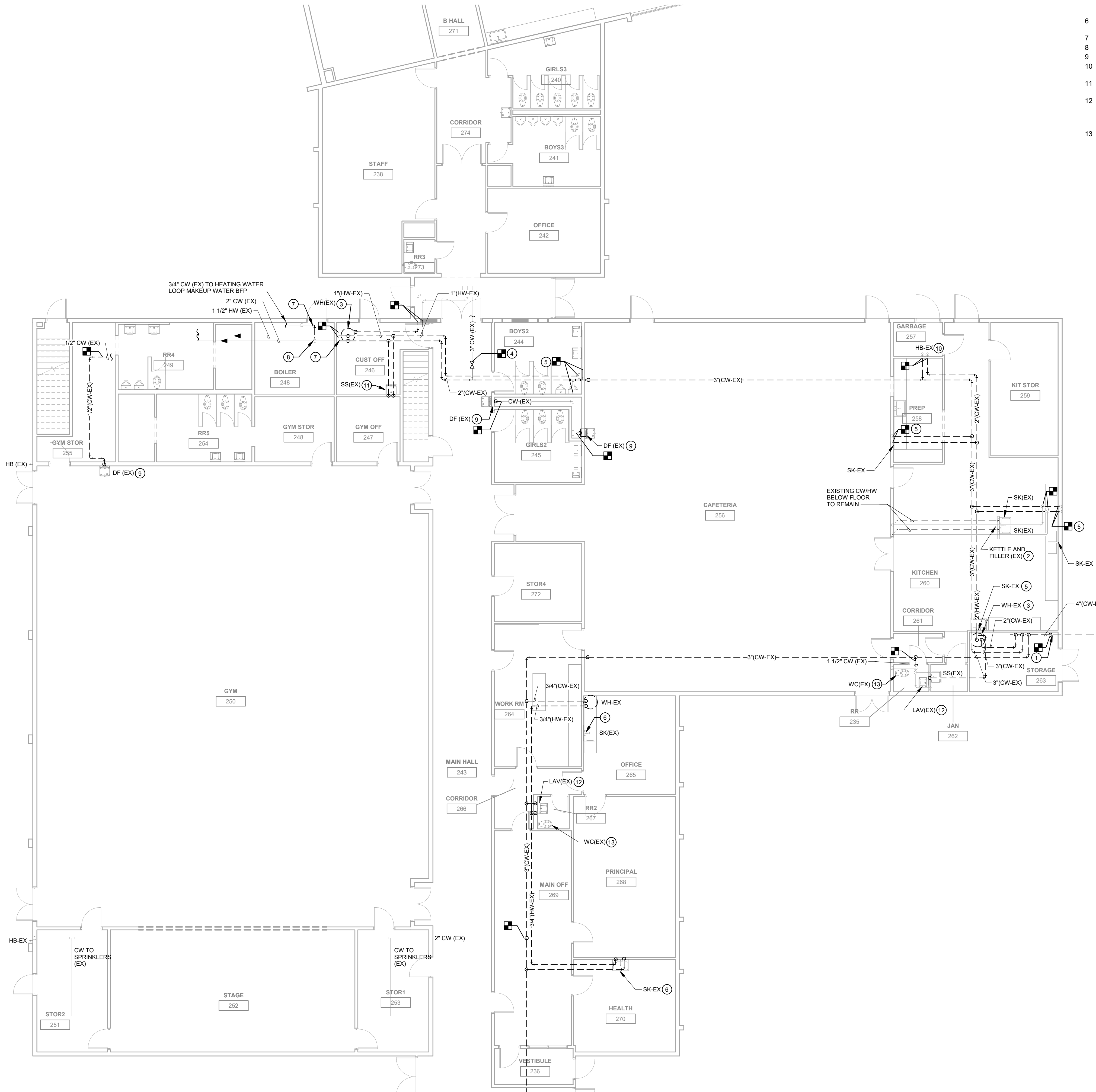
PD101B

GENERAL NOTES:

- REFER TO P000 FOR GENERAL NOTES & SYMBOLS.
- PATCH WALLS, ROOFS, AND/OR FLOOR WHERE PIPES OR EQUIPMENT ARE REMOVED. PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION.
- COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR WORK IN AREAS CONTAINING ASBESTOS.
- WHERE PIPING, EQUIPMENT, AND PLUMBING FIXTURES ARE REMOVED, REMOVE ALL VALVES, SUPPORTS, INSULATION, AND SPECIALTIES. REMOVE PIPING BACK TO MAINS AND CAP. DO NOT LEAVE DEAD LEGS. IF DEAD LEG IS UNAVOIDABLE DUE TO EXTENSIVE DEMOLITION REQUIRED TO CAP AT THE MAIN, PROVIDE AN ACCESSIBLE METHOD OF FLUSHING IN COMPLIANCE WITH OPSC 2021.
- IF PIPING SHOWN TO BE REMOVED IS COPPER, NOTIFY ENGINEER BEFORE REMOVAL. GOAL OF PROJECT IS TO REMOVE GALVANIZED DOMESTIC WATER PIPING SERVING FIXTURES USED FOR POTABLE WATER.

KEYNOTES

- REMOVE DOMESTIC WATER PIPING AND VALVES AT THE FLANGE JUST ABOVE THE FLOOR. PREPARE 4" FLANGE FOR NEW CONNECTION.
- REMOVE EXISTING KETTLE FILL FAUCET AND PREPARE SUPPLIES FOR NEW CONNECTION.
- REMOVE WATER HEATER, CIRCULATION PUMP, AND ALL ASSOCIATED SUPPORTS, PIPING, VALVES, AND ACCESSORIES. REMOVE FLUE PIPING AND PREPARE ROOF PENETRATION FOR NEW PVC CONCENTRIC VENT.
- REMOVE EXISTING PIPE AND VALVE SERVING B CLASSROOM WING. STOP REMOVAL AT COPPER PIPING. PREPARE 3" CW COPPER PIPE FOR RECONNECTION.
- REMOVE DOMESTIC WATER PIPING TO DROPS IN WALL. DROPS IN WALL TO REMAIN. REMOVE FAUCET, STOPS, AND SUPPLIES AT PREP SINK. PREPARE SINK FOR NEW FAUCET.
- REMOVE FAUCET, STOPS, SUPPLIES, ESCUTCHEONS, AND WATER FILTER AT SINK. PREPARE SINK FOR NEW FAUCET, STOPS, SUPPLIES, AND ESCUTCHEONS.
- DISCONNECT PIPING. PREPARE FOR NEW CONNECTION.
- DISCONNECT PIPING AND CAP.
- PREPARE DRINKING FOUNTAIN FOR NEW BRANCH PIPING CONNECTION.
- REMOVE GALVANIZED PIPING TO NEW EXPOSED COPPER PIPE ON WALL TO EXISTING HOSE BIBS.
- REMOVE FAUCET AND TEE WITH SHUT-OFF VALVE TO CHEMICAL DISPENSER. PREPARE SERVICE SINK FOR NEW FAUCET.
- LAVATORY BASIN IS EXISTING TO REMAIN. REMOVE FAUCET, MIXING VALVE, SUPPLIES, STOPS, AND ESCUTCHEONS. PREPARE LAVATORY FOR NEW FAUCET, MIXING VALVE, SUPPLIES, STOPS AND ESCUTCHEONS. REMOVE NON-POTABLE WATER DECAL ON WALL.
- WATER CLOSET IS EXISTING TO REMAIN. REMOVE SUPPLY AND STOP. PREPARE FOR NEW SUPPLY AND STOP.



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B
1/8" = 1'-0"

CONSULTANTS:

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

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Date: 03/04/2022

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Revision Date

Drawing Name:
**FIRST FLOOR
PLUMBING
DEMOLITION PLAN -
AREA C**

Drawing #:

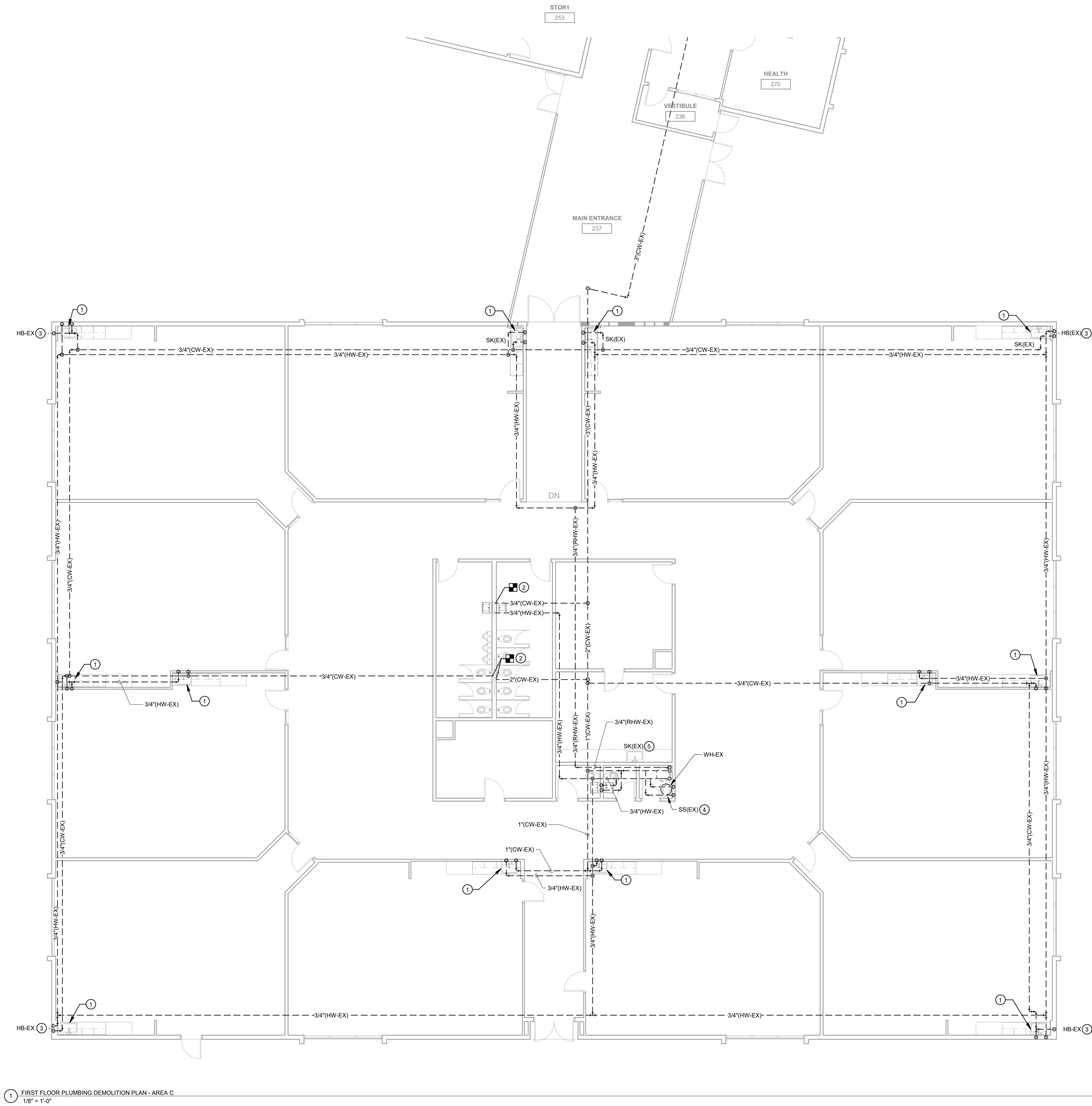
PD101C

GENERAL NOTES:

- REFER TO P000 FOR GENERAL NOTES & SYMBOLS.
- PATCH WALLS, ROOFS, AND/OR FLOOR WHERE PIPES OR EQUIPMENT ARE REMOVED. PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION.
- COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR WORK IN AREAS CONTAINING ASBESTOS.
- WHERE PIPING, EQUIPMENT, AND PLUMBING FIXTURES ARE REMOVED, REMOVE ALL VALVES, SUPPORTS, INSULATION, AND SPECIALTIES. REMOVE PIPING BACK TO MANS AND CAP. DO NOT LEAVE DEAD LEGS. IF DEAD LEG IS UNAVOIDABLE DUE TO EXTENSIVE DEMOLITION REQUIRED TO CAP AT THE MAIN, PROVIDE AN ACCESSIBLE METHOD OF FLUSHING IN COMPLIANCE WITH OPSC 2021.
- IF PIPING SHOWN TO BE REMOVED IS COPPER, NOTIFY ENGINEER BEFORE REMOVAL. GOAL OF PROJECT IS TO REMOVE GALVANIZED DOMESTIC WATER PIPING SERVING FIXTURES USED FOR POTABLE WATER.

KEYNOTES

- AT EACH CLASSROOM SINK, REMOVE DOMESTIC WATER SUPPLY PIPING DOWN IN WALL. REMOVE STOPS AND SUPPLIES. REMOVE FAUCET AND BUBBLER. SINK BASIN IS EXISTING TO REMAIN. PREPARE SINK FOR NEW FAUCET AND BUBBLER.
- REMOVE DOMESTIC WATER PIPING TO DROPS IN WALL. DROPS IN WALL TO REMAIN. REMOVE FAUCET, STOPS, AND SUPPLIES AT PREP SINK. PREPARE SINK FOR NEW FAUCET.
- DISCONNECT CW FROM EXISTING HOSE BIBB. PREPARE HOSE BIBB FOR NEW CONNECTION.
- REMOVE FAUCET AND TEE WITH SHUT-OFF VALVE TO CHEMICAL DISPENSER. PREPARE SERVICE SINK FOR NEW FAUCET.
- REMOVE FAUCET, STOPS, SUPPLIES, AND WATER FILTER AT SINK. PREPARE SINK FOR NEW FAUCET.



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA C
1/8" = 1'-0"

CONSULTANTS:

STAMP:



**BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
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Project No: 21194

Date: 03/04/2022

**100% CONSTRUCTION
DOCUMENTS**

Revision Date

Drawing Name:
**FIRST FLOOR
PLUMBING PLAN -
AREA B**

Drawing #:

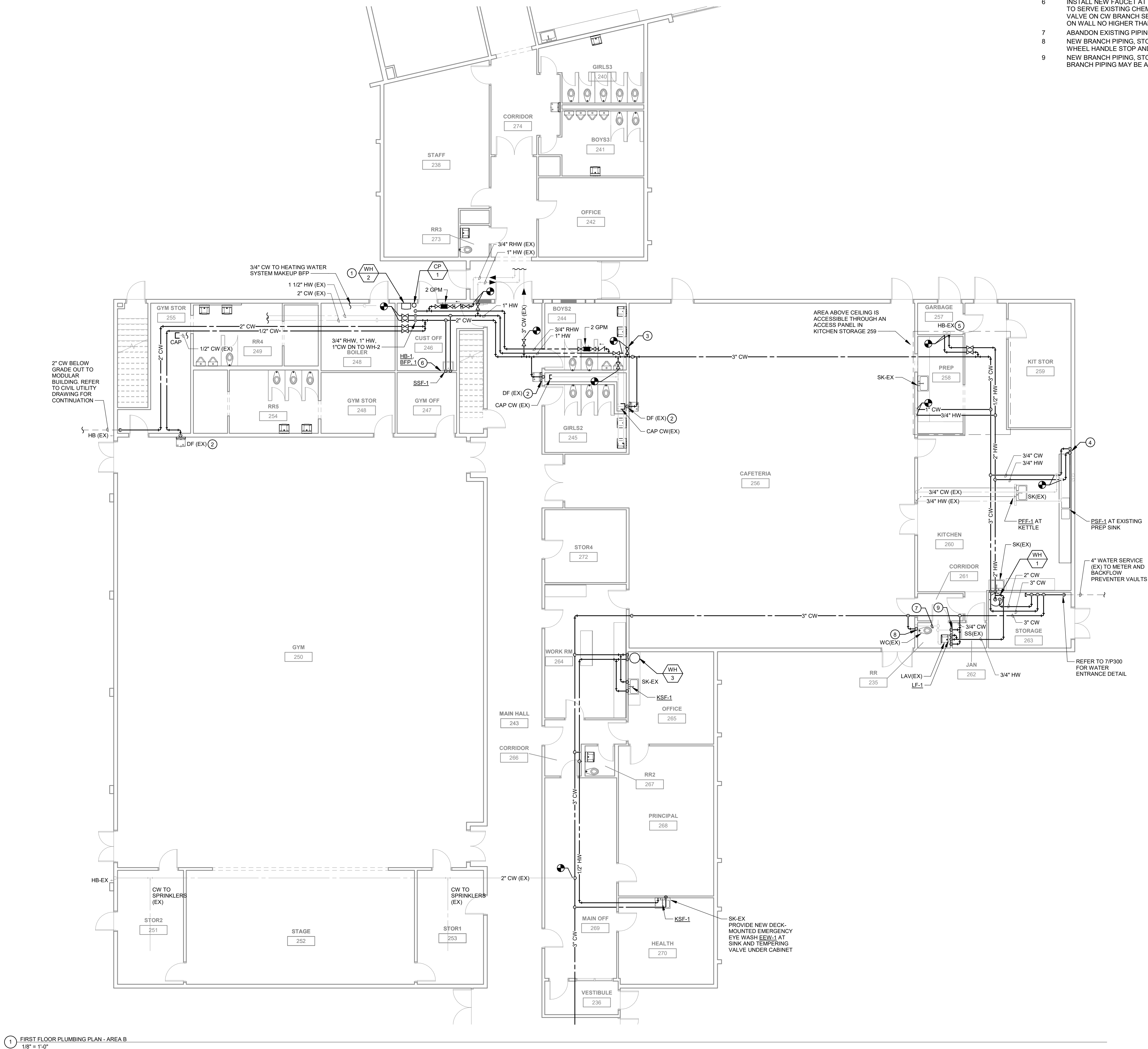
P101B

GENERAL NOTES:

- REFER TO P000 FOR GENERAL NOTES & SYMBOLS.
- REFER TO P300 FOR PLUMBING DETAILS.
- REFER TO P000 FOR PLUMBING SCHEDULES.
- REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE ON P000 FOR BRANCH PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- COORDINATE PIPE ROUTING WITH EXISTING CONDITIONS.
- INSTALL BRANCH PIPING OF THE TOP OF MAIN PIPING WHEN POSSIBLE.
- CONFIRM THAT NEW FIXTURES ARE COMPATIBLE WITH EXISTING CONDITIONS PRIOR TO PROVIDING PRODUCT SUBMITTALS.

KEYNOTES

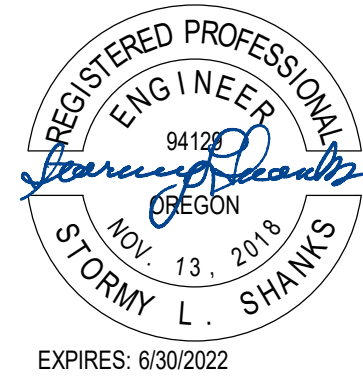
- 1 INSTALL WATER, CIRC PUMP, AND ACCESSORIES ON UNISTRUT RACK MOUNTED TO WALL. INSTALL PVC COMBUSTION AIR AND FLUE UP TO CONCENTRIC ROOF TERMINATION PER MANUFACTURER'S REQUIREMENTS. INSTALL ROOF TERMINATION IN LOCATION OF DEMOLISHED WATER HEATER FLUE. INSTALL NEW ROOF FLASHING AND PATCH ROOFING AS REQUIRED TO MATCH EXISTING.
- 2 PROVIDE NEW CW PIPING, STOP, AND SUPPLY TO DRINKING FOUNTAIN. CUT WALL UP HIGH AND BELOW DRINKING FOUNTAIN TO FEED PEX TUBING DOWN WALL TO MINIMIZE CUTTING AND PATCHING.
- 3 CONNECT NEW PIPING TO EXISTING PIPING DOWN INTO WALLS. PROVIDE SHUT-OFF VALVES ABOVE CEILING WHERE CONNECTING NEW PIPING TO EXISTING PIPING. GROUP SHUT-OFF VALVES AND RECIRC CHECK VALVE AND BALANCING VALVE ABOVE CEILING ACCESS PANEL.
- 4 ROUTE 3/4" CW AND HW EXPOSED ALONG WALL AND UNDER COUNTER TO PREP SINK. PROVIDE NEW STOPS AND SUPPLIES AT PREP SINK FAUCET.
- 5 RECONNECT TO EXISTING EXPOSED COPPER CW/HW PIPING SERVING EXISTING HOSE BIBS.
- 6 INSTALL NEW FAUCET AT SERVICE SINK. INSTALL HB-1 ABOVE SERVICE SINK. HB-1 TO SERVE EXISTING CHEMICAL DISPENSER. PROVIDE BFP-1 DOUBLE CHECK VALVE ON CW BRANCH SERVING HB-1. INSTALL BFP-1 IN ACCESSIBLE LOCATION ON WALL NO HIGHER THAN 5 FT AFF.
- 7 ABANDON EXISTING PIPING ABOVE RESTROOM CEILING.
- 8 NEW BRANCH PIPING, STOP, AND SUPPLY TO EXISTING WATER CLOSET. PROVIDE WHEEL HANDLE STOP AND RIGID SUPPLY.
- 9 NEW BRANCH PIPING, STOP, AND SUPPLIES AT EXISTING SERVICE SINK. EXISTING BRANCH PIPING MAY BE ABANDONED IN WALL.



1 FIRST FLOOR PLUMBING PLAN - AREA B
1/8" = 1'-0"

CONSULTANTS:

STAMP:



**BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007**

Project No: 21194

Date: 03/04/2022

**100% CONSTRUCTION
DOCUMENTS**

Revision Date

Drawing Name:
**FIRST FLOOR
PLUMBING PLAN -
AREA C**

Drawing #:

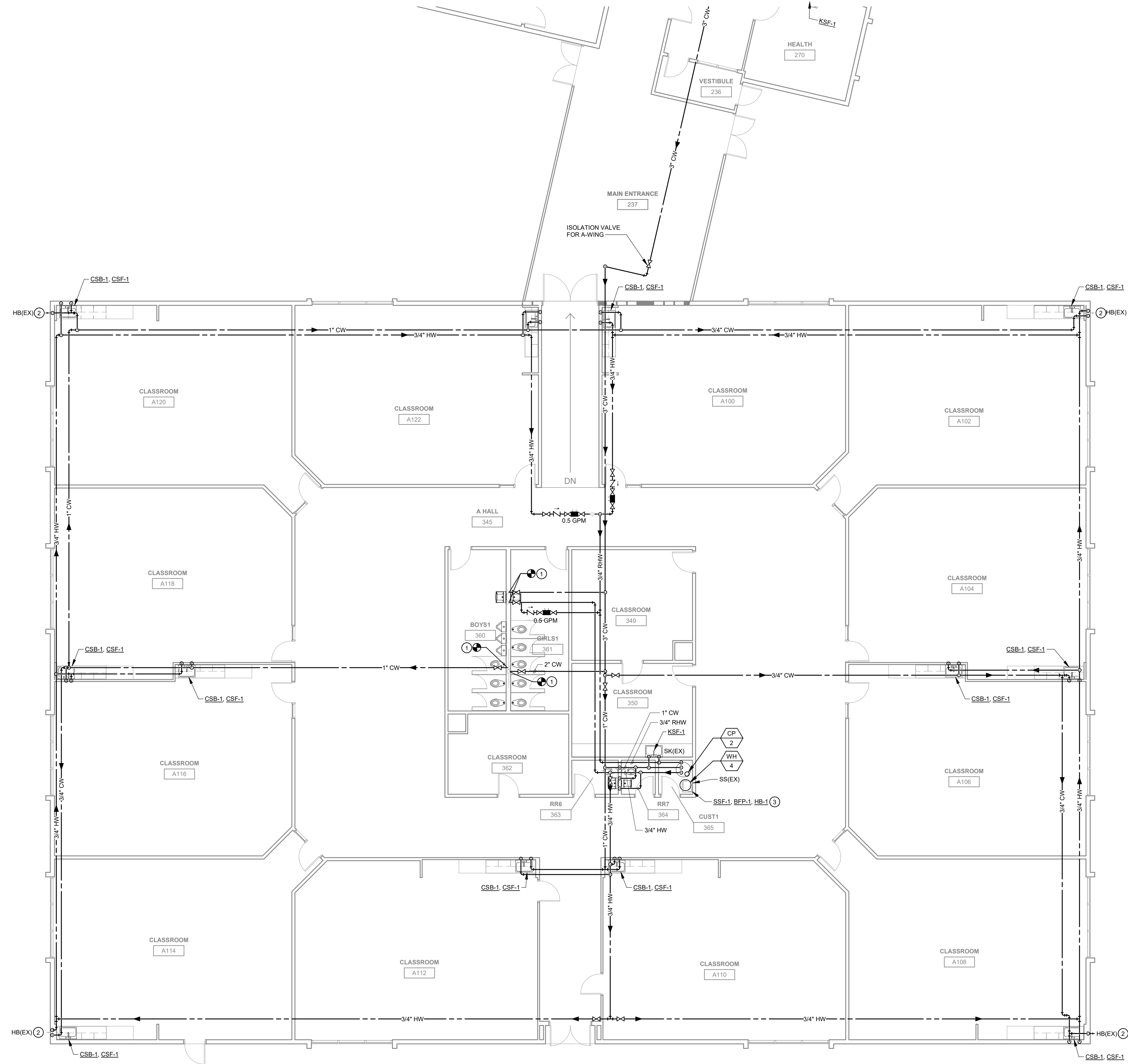
P101C

GENERAL NOTES:

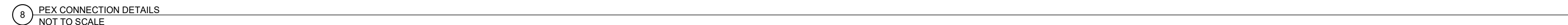
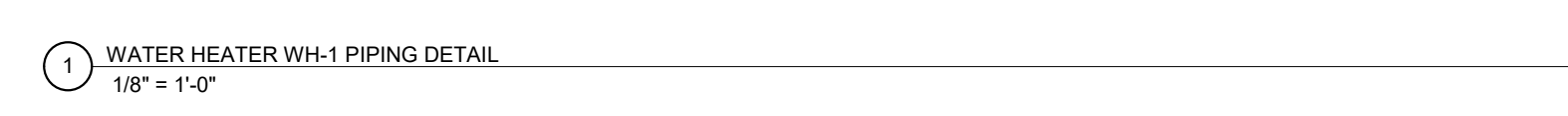
- REFER TO P000 FOR GENERAL NOTES & SYMBOLS.
- REFER TO P300 FOR PLUMBING DETAILS.
- REFER TO P000 FOR PLUMBING SCHEDULES.
- REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE ON P000 FOR BRANCH PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- COORDINATE PIPE ROUTING WITH EXISTING CONDITIONS.
- INSTALL BRANCH PIPING OF THE TOP OF MAIN PIPING WHEN POSSIBLE.
- CONFIRM THAT NEW FIXTURES ARE COMPATIBLE WITH EXISTING CONDITIONS PRIOR TO PROVIDING PRODUCT SUBMITTALS.

KEYNOTES

- CONNECT NEW PIPING TO EXISTING PIPING DOWN INTO WALL'S. PROVIDE SHUT-OFF VALVES ABOVE CEILING WHERE CONNECTING NEW PIPING TO EXISTING PIPING. GROUP SHUT-OFF VALVES AND RECIRC CHECK VALVE AND BALANCING VALVE ABOVE CEILING ACCESS PANEL.
- NEW CW CONNECTION AT EXISTING HOSE BIBB. PROVIDE SHUT OFF VALVE IN CABINET FOR HOSE BIBB.
- INSTALL NEW FAUCET AT SERVICE SINK. INSTALL HB-1 ABOVE SERVICE SINK. HB-1 TO SERVE EXISTING CHEMICAL DISPENSER. PROVIDE BFP-1 DOUBLE CHECK VALVE ON CW BRANCH SERVING HB-1. INSTALL BFP-1 IN ACCESSIBLE LOCATION ON WALL NO HIGHER THAN 5 FT AFF.

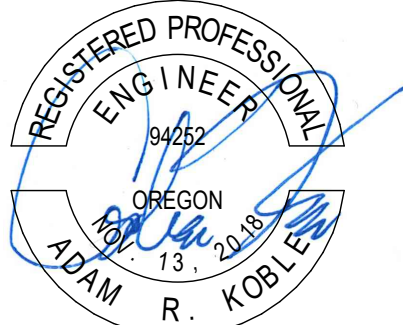


1 FIRST FLOOR PLUMBING PLAN - AREA C
1/8" = 1'-0"



CONSULTANTS:

STAMP:



BEAVERTON SCHOOL DISTRICT

2022 RE-PIPING PROJECTS - CHEHALEM

ELEMENTARY SCHOOL

15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194

Date: 03/04/2022

100% CONSTRUCTION DOCUMENTS

Revision Date

Drawing Name:
ELECTRICAL GENERAL
NOTES, SYMBOLS &
SCHEDULES

Drawing #:

E000

CODE NOTES - ELECTRICAL

- A. THE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.
- B. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE SHALL BE THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
- C. INSTALLATION SHALL FOLLOW ALL REQUIREMENTS OF THE ADAAG – AMERICANS WITH DISABILITIES ACT.
- D. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

GENERAL NOTES - ELECTRICAL

- A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS OCCURRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. ANY REWORK OF INSTALLED EQUIPMENT OR SYSTEMS WILL BE AT THE CONTRACTORS EXPENSE.
- B. NOTE THAT THE ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS CONTRACT DOCUMENTS. THE COMPLETE SET CONTRACT OF DOCUMENTS SHALL BE USED TO DEFINE THE ELECTRICAL SCOPE OF WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, USING THE ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, AND THE MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- A. THE ELECTRICAL DEMOLITION DRAWING SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN, AND SUCH ITEMS SHALL BE DEALT WITH IN A MANNER SIMILAR TO THOSE ITEMS WHICH ARE SHOWN.
- B. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELV WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK. CONTRACTOR SHALL OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. SUCH PERMISSION WILL BE GRANTED ONLY AFTER OWNER'S REPRESENTATIVE IS INFORMED OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND IS SATISFIED THAT THE SHUTDOWN CAN BE MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
- C. PROVIDE PLANT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.
- D. CONDUITS, BOXES, ETC., SHALL BE REMOVED AS REQUIRED BY WALL AND CEILING DEMOLITION AND ADJACENT REMOVALS. REMOVE EXISTING WIRING FOR REMOVED DEVICES.
- E. ALL WIRING FOR REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE. ALL CONDUIT SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE OR WHERE FIELD VERIFIED FOR SUITABLE USE WHEN LOCATED WITHIN EXISTING BLOCK WALLS OR BELOW SLABS.
- F. BRANCH CIRCUITS TO BE DISCONNECTED SHALL BE IDENTIFIED AS TO LOCATION OR ITEM SERVED BEFORE DISCONNECTING.
- G. CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA SHALL BE MAINTAINED. EXTEND AND/OR RECONNECT NEW WIRING TO EXISTING AS REQUIRED TO MAINTAIN EXISTING CIRCUITS.
- H. EXISTING BUILDING SYSTEMS THAT ARE NOT AFFECTED BY THE SCOPE OF THE PROJECT ARE TO BE KEPT OPERATIONAL IN OCCUPIED AREAS OF THE BUILDING THROUGH THE DURATION OF THE PROJECT. COORDINATE REQUIRED OUTAGES WITH THE OWNER IN ADVANCE OF SHUT DOWN.
- I. DO NOT CUT EXISTING TELECOMMUNICATION WIRING, CABLES OR CONDUIT AS EXISTING SYSTEMS SHALL REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR WHO CUTS IN-SERVICE CABLES SHALL BE RESPONSIBLE FOR DOWNTIME AND COSTS TO REPAIR.
- J. INSTALL STAINLESS STEEL COVER PLATE OVER HOLE AT REMOVED DEVICE LOCATIONS, INCLUDING BUT NOT LIMITED TO, CLOCKS, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC.
- K. PROVIDE CUTTING AND PATCHING OF EXISTING CONSTRUCTION AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
- L. EQUIPMENT AND DEVICES SHOWN AS EXISTING OR AS REMOVE/RELOCATE SHALL BE PROTECTED AND HANDLED WITH APPROPRIATE CARE SO AS TO MAINTAIN FULL FUNCTIONAL AND AESTHETIC INTEGRITY OF THE DEVICE.
- M. REMOVED EQUIPMENT AND SYSTEMS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. ALL MATERIALS NOT SALVAGED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR PROPER DISPOSAL.
- N. REMOVE AND REINSTALL CEILING TILES REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. DAMAGED CEILING TILES SHALL BE REPLACED TO MATCH EXISTING.

BUILDING EQUIPMENT COORDINATION NOTES - ELECTRICAL

- A. REFER TO HVAC, PLUMBING, AND FIRE PROTECTION EQUIPMENT CONNECTION SCHEDULE FOR COORDINATION DETAILS BETWEEN MECHANICAL AND ELECTRICAL SYSTEMS.
- B. THE ELECTRICAL SYSTEMS SHALL BE PROVIDED AND INSTALLED UNDER THIS CONTRACT TO MEET THE REQUIREMENTS OF THE SPECIFIED MECHANICAL SYSTEMS. THE ENTIRE PROJECT DOCUMENTS AND MANUALS SHALL BE REFERENCED AS A COMPLETE PROJECT. ELECTRICAL CONTRACTOR SHALL REFER TO ALL SCHEDULES, DETAILS, AND NOTES AND PROVIDE ELECTRICAL EQUIPMENT, WIRING, AND INSTALLATION REQUIRED UNDER THIS PROJECT.
- C. PROVIDE ELECTRICAL CONNECTIONS AND ACCESSORIES INCLUDING STARTERS, DISCONNECTS, CONTROL WIRING, ETC. AS REQUIRED FOR THE BUILDING MECHANICAL EQUIPMENT. INFORMATION HEREIN AND ON THE DRAWINGS IS FOR GENERAL DESCRIPTION AND ESTIMATING PURPOSES ONLY. VERIFY VOLTAGE, AMPERAGE, PHASE, INRUSH, ETC. FOR EACH ITEM OF EQUIPMENT BEFORE PROCEEDING WITH WIRING FOR IT. WIRING DETAILS SHALL BE IN ACCORDANCE WITH INSTRUCTIONS TO BE FURNISHED BY THE SUPPLIERS OF THE EQUIPMENT AS NECESSARY TO PROVIDE PROPER OPERATION OF THE EQUIPMENT.
- D. REVIEW MECHANICAL EQUIPMENT SHOP DRAWINGS FOR COMPLIANCE AND COORDINATION WITH ELECTRICAL CONNECTIONS. NOTIFY ENGINEER IF CHANGES TO ELECTRICAL CONNECTIONS, WIRING, AND BREAKER REQUIREMENTS ARE NECESSARY TO ACCOMMODATE EQUIPMENT BEING SUPPLIED.
- E. NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL INFRASTRUCTURE HAS BEEN SUBMITTED AND APPROVED. ADJUSTMENTS TO BREAKER SIZES AND SIMILAR CHANGES MUST BE MADE TO ELECTRICAL EQUIPMENT PRIOR TO RELEASE, FABRICATION, AND SHIPPING OF ELECTRICAL EQUIPMENT. COORDINATE SCHEDULING OF SHOP DRAWINGS WITH ALL TRADES SUCH AS NOT TO CAUSE ANY DELAYS TO PROJECT.
- F. PROVIDE DISCONNECTS RATED FOR EQUIPMENT AS REQUIRED AND AS INDICATED WITHIN EQUIPMENT CONNECTION SCHEDULE. MOUNTING OF DISCONNECTS SHOULD BE COORDINATED TO ALLOW FOR REMOVAL OF MECHANICAL EQUIPMENT WITHOUT NEEDING TO REMOVE THE DISCONNECT AND MINIMIZE WIRING WORK REQUIRED.
- G. ALL MECHANICAL EQUIPMENT DISCONNECTS SHALL BE HEAVY DUTY TYPE AND RATED FOR THE ENVIRONMENT THEY SERVE.
- H. VERIFY LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR. ADJUST ELECTRICAL INSTALLATION AS REQUIRED.

ELECTRICAL ABBREVIATIONS

A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NM	NONMETALLIC
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
C	CEILING	OC	ON CENTER
CB	CIRCUIT BREAKER	OFO	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOI	OWNER FURNISHED, OWNER INSTALLED
E	EXISTING ITEM TO REMAIN	R	EXISTING ITEM TO BE REMOVED
EC	ELECTRICAL CONTRACTOR	RR	EXISTING ITEM TO BE REMOVED AND RELOCATED
EM	EMERGENCY LIGHT FIXTURE	RN	EXISTING ITEM TO BE REMOVED AND REPLACED WITH NEW
ER	NEW LOCATION OF EXISTING ITEM	SCCR	SHORT CIRCUIT CURRENT RATING
F	ROUGH IN FOR FUTURE DEVICE	T	TEMPERATURE CONTROL CONTRACTOR
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TCC	TEMPERATURE CONTROL CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL	TV	TELEVISION
FSD	FIRE SMOKE DAMPER	UPS	UNINTERRUPTIBLE POWER SUPPLY
G	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLTS
GND	GROUND	VA	VOLT-AMPERES
KVA	KILO-VOLT-AMPERES	WG	WIREGUARD COVER
KW	KILOWATTS	WP	WEATHERPROOF DEVICE
MC	MECHANICAL CONTRACTOR	WR	WEATHER RESISTANT DEVICE
MCB	MAIN CIRCUIT BREAKER	+24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR
MDP	MAIN DISTRIBUTION PANEL		
MLO	MAIN LUGS ONLY		
N	NEW DEVICE IN EXISTING LOCATION		

POWER SYMBOLS

	EQUIPMENT CONNECTION, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
	EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
	SAFETY DISCONNECT SWITCH
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - RECESSED IN WALL

GENERAL SYMBOLS

	KEYNOTE
	EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT CONNECTION SCHEDULE

ABBREVIATIONS:			
1	NEMA 1 ENCLOSURE	INT	INTEGRAL WITH EQUIPMENT FROM FACTORY
3R	NEMA 3R ENCLOSURE	MMS	MANUAL MOTOR STARTER WITH FUSES
4	NEMA 4 ENCLOSURE	NFD	NON-FUSED DISCONNECT SWITCH, HEAVY DUTY
4X	NEMA 4X ENCLOSURE	RD	RETURN AIR DUCT DETECTOR
BO	PROVIDED BY OTHERS	RSR	RUN STATUS RELAY, NORMALLY OPEN
CB	CIRCUIT BREAKER IN PANEL	SD	SUPPLY AIR DUCT DETECTOR
CSD	COMBINATION STARTER/DISCONNECT	SSP	START/STOP PUSHBUTTON WITH PILOT
CP	CORD AND PLUG PROVIDED WITH UNIT	SS	START/STOP PUSHBUTTON
ECB	ENCLOSED CIRCUIT BREAKER	ST	SHUNT TRIP
FAR	FIRE ALARM SHUTDOWN RELAY	TOR	TIME DELAY OFF RELAY
FDS	FUSED DISCONNECT SWITCH, HEAVY DUTY	TS	TOGGLE SWITCH WITH PLUG FUSE
GF	GROUND FAULT CIRCUIT INTERRUPTION	VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND-OFF-AUTO		

TAG	ELECTRICAL CHARACTERISTICS				DISCONNECT			CONTROLS		REMARKS
	VOLTAGE	PHASE	MOTOR HP	KW	MCA	TYPE	SIZE (AMPS)	NEMA RATING	FUSE SIZE (AMPS)	
CP-1	120 V	1	-	-	0.6	TS	20	1	-	-
CP-2	120 V	1	-	-	1.0	TS	20	1	-	-
WH-1	120 V	1	-	-	5.0	TS	20	1	-	-
WH-2	120 V	1	-	-	5.0	TS	20	1	-	-
WH-3	120 V	1	-	1.5	14.7	TS	20	1	-	-
WH-4	208 V	1	-	4.5	25.4	NFD	30	1	-	-

CONSULTANTS:

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

Project No: 21194

Date: 03/04/2022

100% CONSTRUCTION
DOCUMENTS

Revision Date

Drawing Name:
FIRST FLOOR
ELECTRICAL
DEMOLITION PLAN -
AREAS B & C

Drawing #:

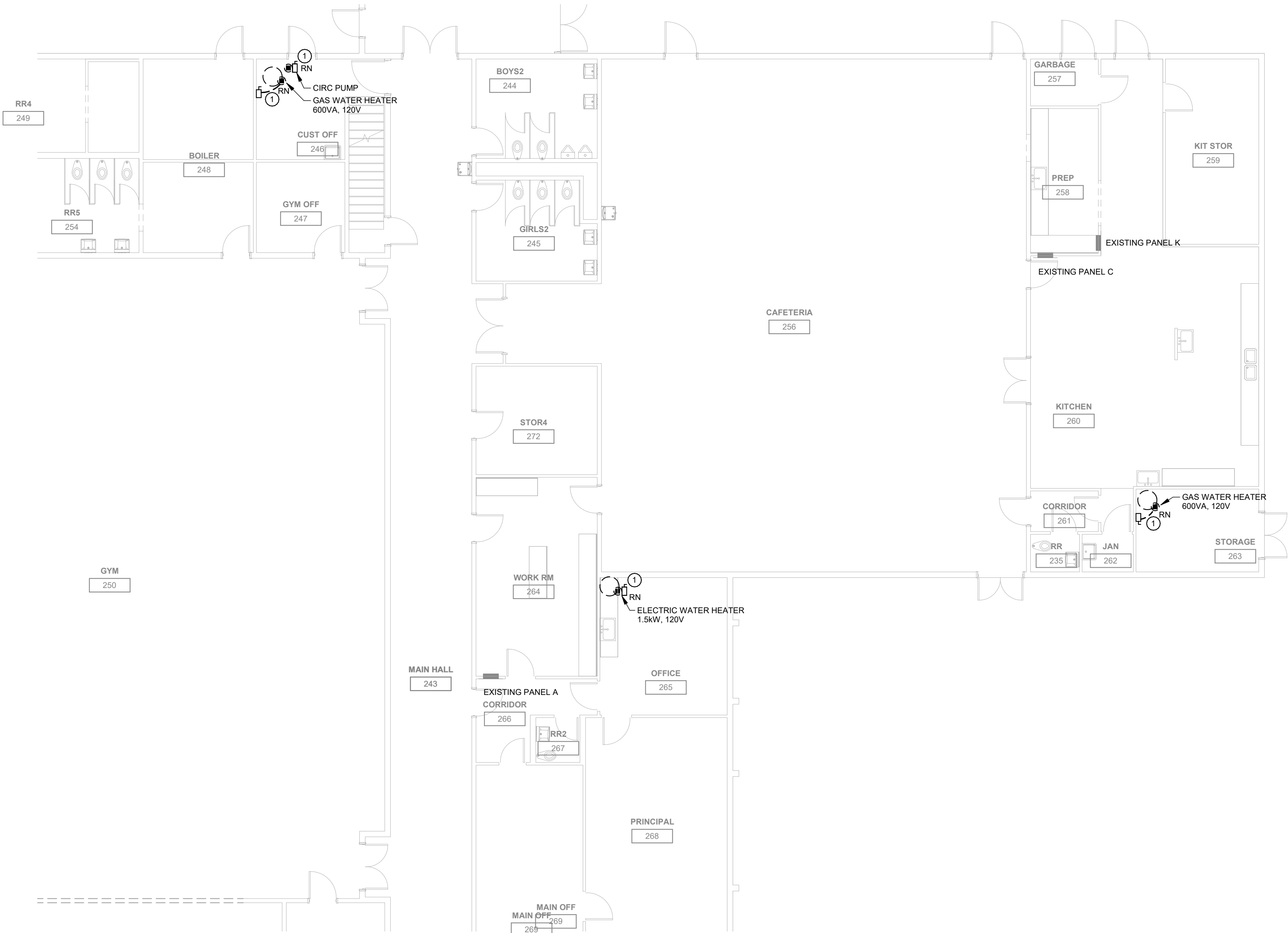
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ELECTRICAL DEMOLITION NOTES

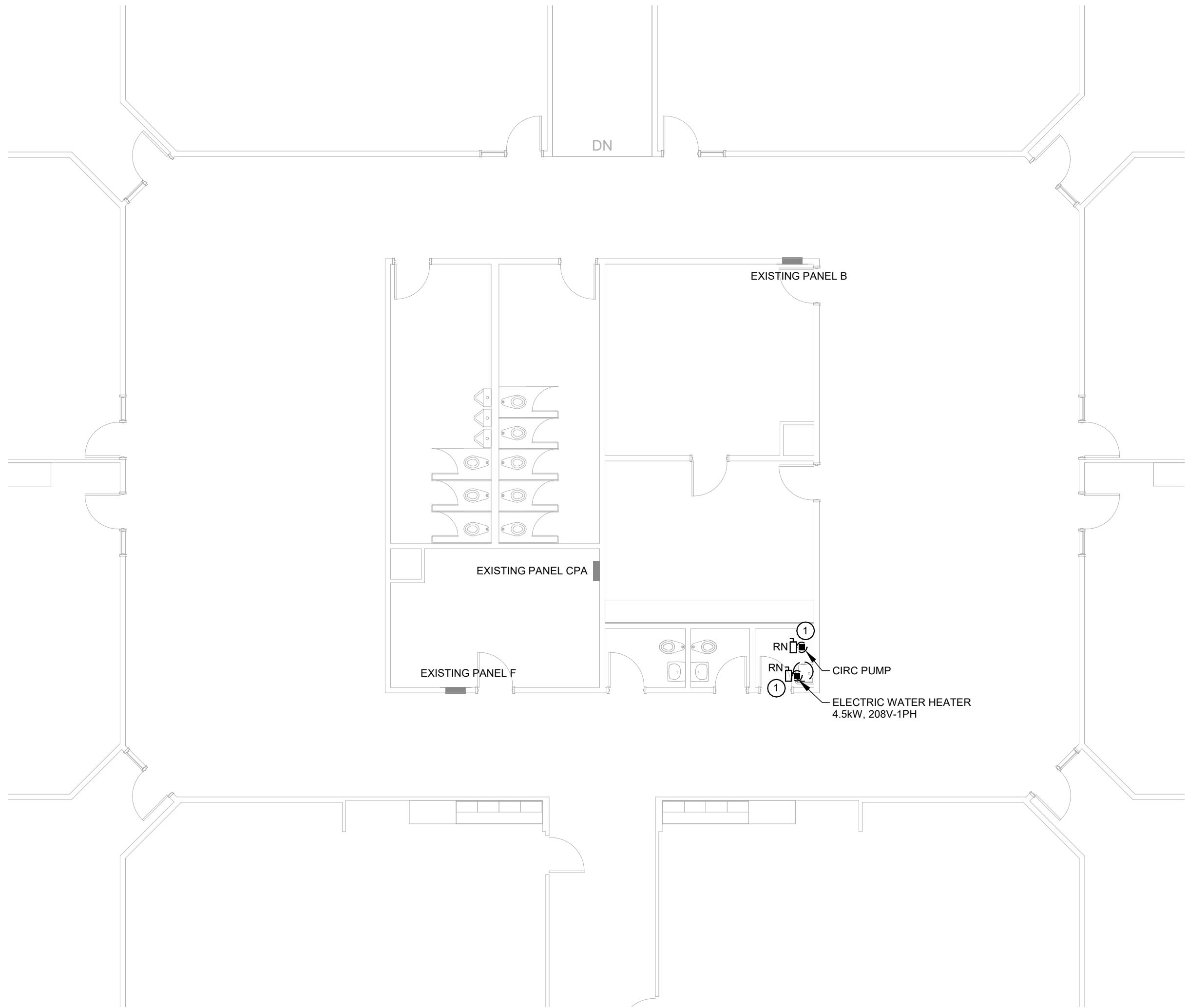
- A. DEMOLITION DRAWINGS PRESENT LAYOUT OF EXISTING CONDITIONS AND MAJOR MECHANICAL/ELECTRICAL ITEMS. THEY ARE NOT TO BE CONSTRUED AS COMPLETE IN REPRESENTATION OF ACCESSORIES AND INCIDENTALS TO BE REMOVED, REPLACED, OR REWORKED. NOR SHOULD ACCESSIBILITY BE INFERRED. THE CONTRACTOR IS RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND EXISTING CONDITIONS, PRIOR TO THE SUBMITTING OF A BID FOR THIS PROJECT.
- B. REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.
- C. THIS ELECTRICAL DEMOLITION DRAWING SHOWING EXISTING CONDITIONS HAS BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. ADDITIONAL COMPONENTS MAY EXIST WHICH DO NOT SHOW, AND SUCH ITEMS SHALL BE DEALT WITH IN A MANNER SIMILAR TO THOSE ITEMS WHICH DO SHOW. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
- D. CONDUITS, BOXES, ETC., SHALL BE REMOVED AS REQUIRED BY WALL AND CEILING DEMOLITION AND REMOVALS. WIRING SHALL BE REMOVED. ALL WIRING FOR THE REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE. ALL BRANCH CIRCUITS TO BE DISCONNECTED SHALL BE IDENTIFIED AS TO LOCATION OR ITEM SERVED BEFORE DISCONNECTING. CIRCUITS SERVING AREAS BEYOND THE IMMEDIATE DEMOLITION AREA SHALL BE MAINTAINED.
- E. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK. CONTRACTOR SHALL OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE IMMEDIATE DEMOLITION AREA. SUCH PERMISSION WILL BE GRANTED ONLY AFTER OWNER'S REPRESENTATIVE IS INFORMED OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND IS SATISFIED THAT THE SHUTDOWN CAN BE MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
- F. PRIOR TO DEMOLITION, FIELD TRACE AND IDENTIFY ELECTRICAL BRANCH CIRCUIT SOURCE. VERIFY EXISTING VOLTAGE PRIOR TO NEW CONSTRUCTION AND SUBMITTALS.
- G. ABBREVIATIONS:
E - EXISTING ITEM TO REMAIN
ER - NEW LOCATION OF EXISTING ITEM
N - NEW ITEM IN EXISTING LOCATION
R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER
RN - REPLACE EXISTING WITH NEW
RR - EXISTING ITEM TO BE REMOVED AND RELOCATED

KEYNOTES ①

1. DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT AND SAFETY DISCONNECT. SALVAGE EXISTING CONDUIT AND BRANCH CIRCUIT FOR RECONNECTION.



① FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA B (PARTIAL)
1/8" = 1'-0"



② FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C (PARTIAL)
1/8" = 1'-0"

CONSULTANTS:

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007

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FIRST FLOOR
ELECTRICAL PLAN -
AREAS B & C

Drawing #:

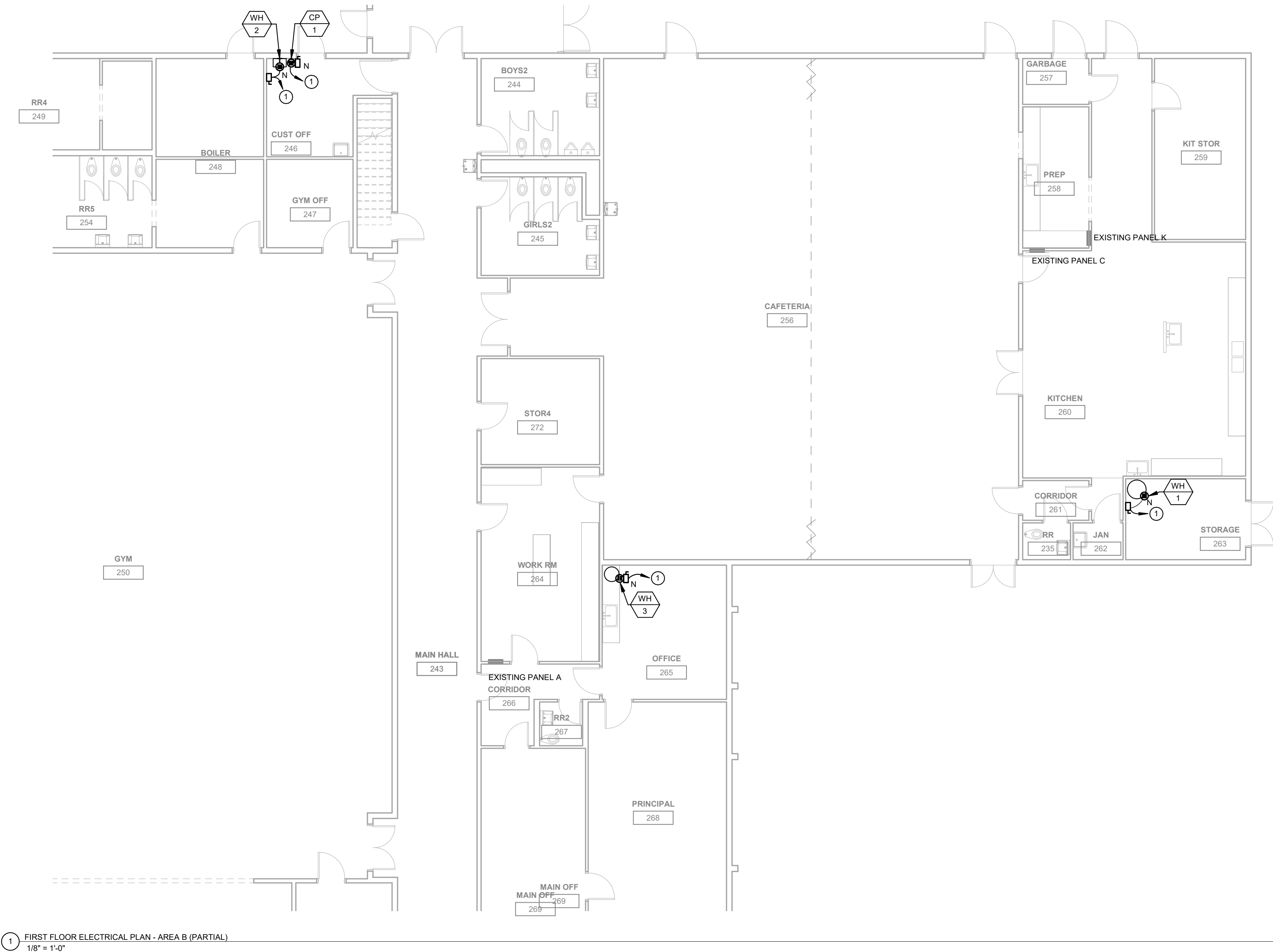
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POWER GENERAL NOTES

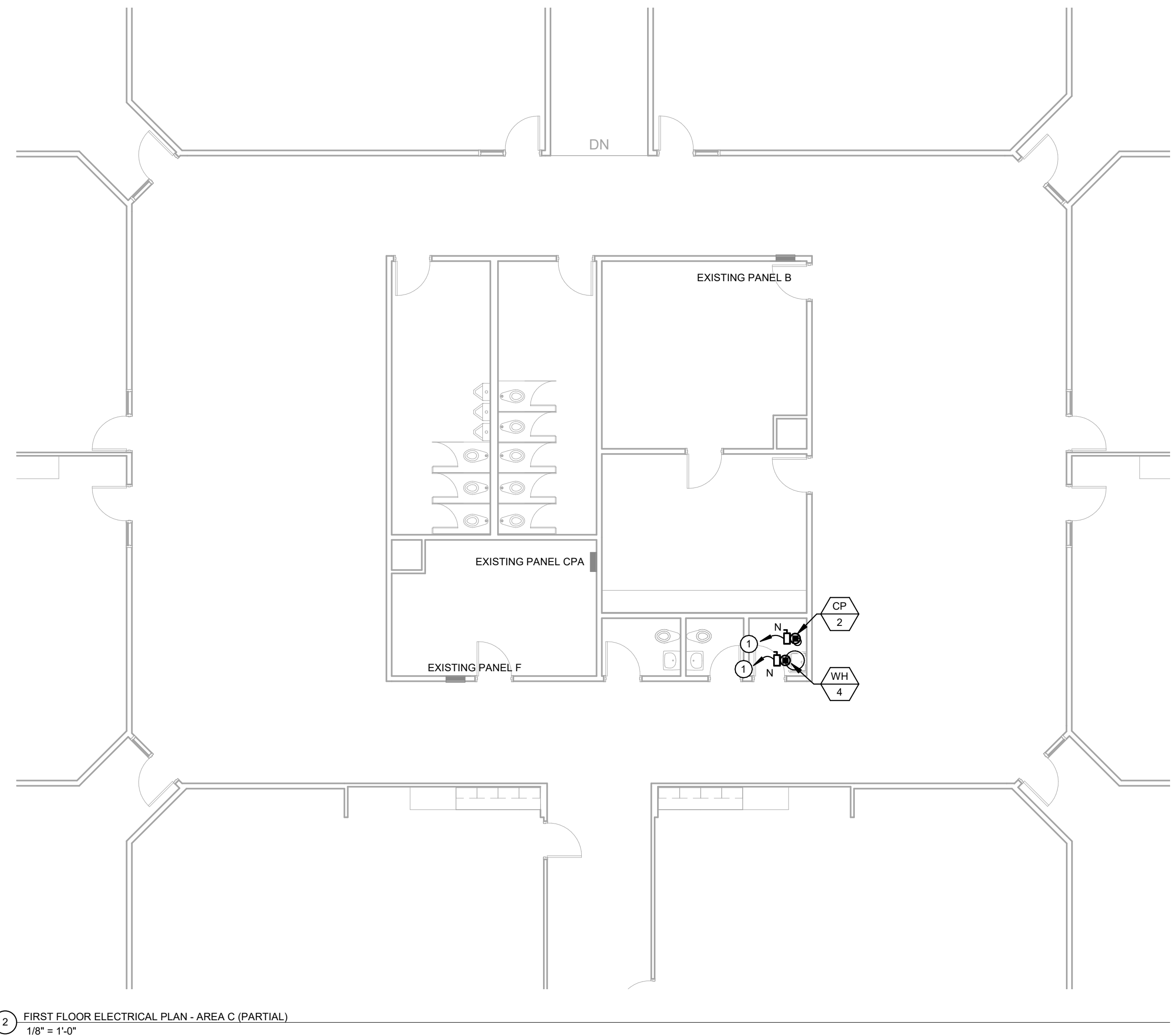
- A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- B. COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS WITH M.C. AND FINAL MECHANICAL SHOP DRAWINGS.

KEYNOTES ①

1. RECONNECT TO EXISTING BRANCH CIRCUIT. INTERCEPT, SPLICE AND EXTEND TO NEW CONNECTION LOCATION AND PROVIDE NEW SAFETY DISCONNECT.



① FIRST FLOOR ELECTRICAL PLAN - AREA B (PARTIAL)
1/8" = 1'-0"



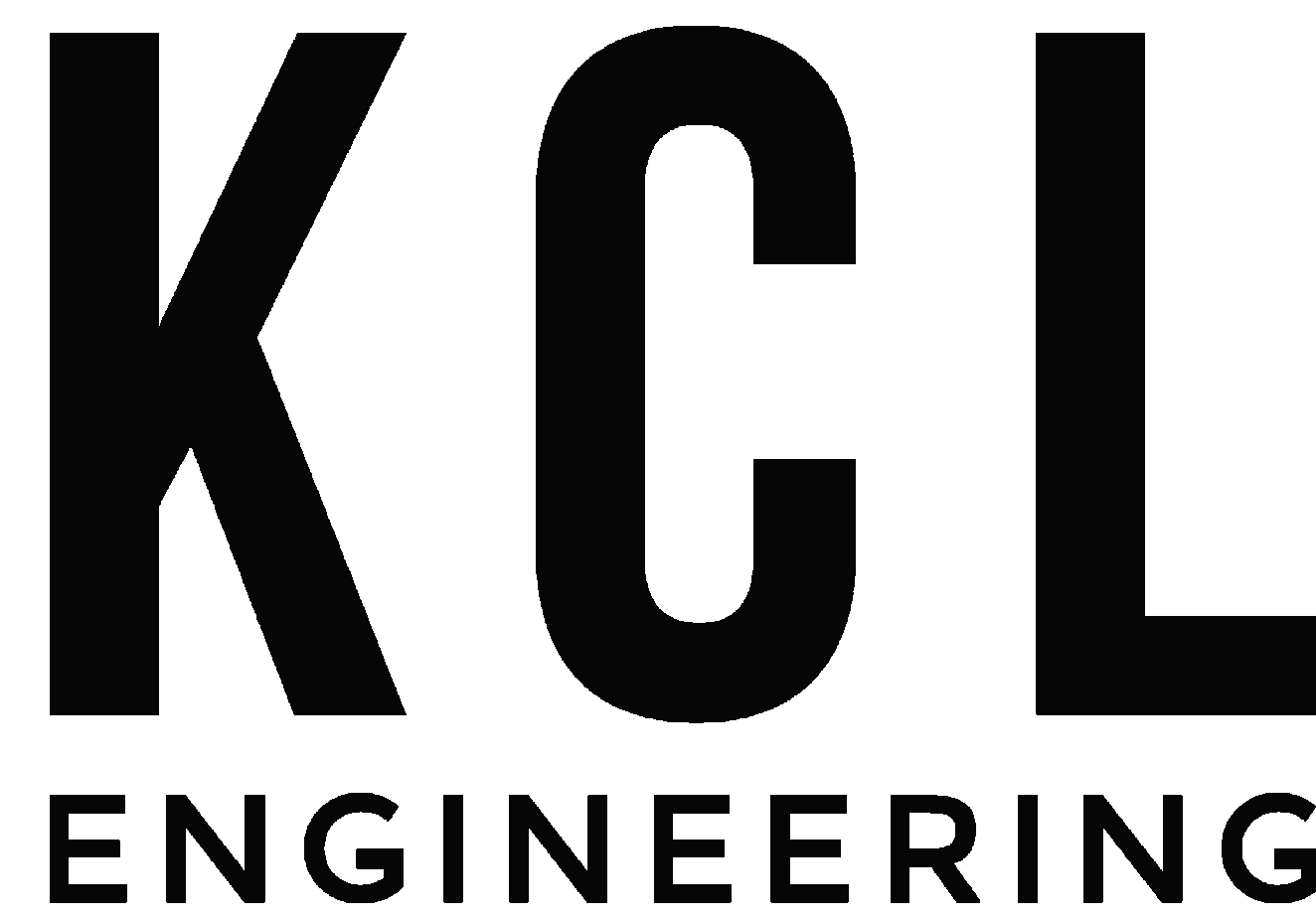
② FIRST FLOOR ELECTRICAL PLAN - AREA C (PARTIAL)
1/8" = 1'-0"

2022 RE-PIPING PROJECTS - ELMONICA ELEMENTARY SCHOOL

16950 SW LISA CT, BEAVERTON, OR 97006

100% CONSTRUCTION DOCUMENTS

03/04/2022



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SHEET INDEX

P101 FIRST FLOOR PLUMBING PLAN

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MECHANICAL ABBREVIATIONS

ABSOR	ABSORPTION	FS	FLOOR SINK
ACU	AIR CONDITIONING UNIT	FT	FINTUBE
AD	ACCESS DOOR OR AREA DRAIN	FTG	FOOTING
AFF	ABOVE FINISHED FLOOR	GA	GAGE
AFG	ABOVE FINISHED GRADE	GAL	GALLON
AHU	AIR HANDLING UNIT	GALV	GALVANIZED
AV	AIR VENT	GC	GENERAL CONTRACTOR
BOT	BOTTOM	GW	GREASE WASTE
BTU	BRITISH THERMAL UNIT	GPH	GALLONS PER HOUR
BTUH	BTU PER HOUR	GPM	GALLONS PER MINUTE
BV	BALL VALVE	HR	HOUR
CA	COMPRESSED AIR	HTG	HEATING
CB	CATCH BASIN	HB	HOSE BIBB
CENT	CENTRIFUGAL	ISP	INTERNAL STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	JR	JANITOR RECEPTOR
CI	CAST IRON	LAV	LAVATORY
CL	CENTER LINE	LDBT	LEAVING DRY BULB
COND	CONDENSATE	LWT	LEAVING WATER
CO	CLEAN OUT	LWBT	LEAVING WET BULB
CONC	CONCRETE	MB	MOP BASIN
CONTR	CONTRACTOR	MBH	1000 BTUH
CP	CONDENSATE PUMP/CIRC. PUMP	MC	MECHANICAL CONTRACTOR
CU	COPPER	MECH	MECHANICAL
CUH	CABINET UNIT HEATER	MH	MANHOLE
CWP	CIRCULATING WATER PUMP	NTS	NOT TO SCALE
DDC	DIRECT DIGITAL CONTROLS	OA	OUTSIDE AIR
DN	DOWN	OD	OVERFLOW ROOF DRAIN
DR	DRAIN	PSI	POUNDS PER SQUARE INCH
DS	DOWNSPOUT	PRV	POWER ROOF VENTILATOR
EA	EXHAUST AIR	PRV	PRESSURE REDUCING VALVE
EAT	EXHAUST AIR TEMPERATURE	PV	PRESSURE VENT
EC	ELECTRICAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
EDBT	ENTERING DRY BULB	RA	RETURN AIR
EEW	EMERGENCY EYE WASH	RD	ROOF DRAIN
EF	EXHAUST FAN	RH	RELATIVE HUMIDITY
EJ	EXPANSION JOINT	RTU	ROOF TOP UNIT
EQUIP	EQUIPMENT	RV	RELIEF VALVE
ESE	EMERGENCY SHOWER/EYEWASH	RVT	ROOF VENT TERMINATION
EST	EXTERNAL STATIC PRESSURE	SA	SINK
EWBT	ENTERING WET BULB	SH	SUPPLY AIR
EW	TEMPERATURE	SO	SHOWER
EWT	TEMPERATURE	ST	STORM OVERFLOW
EX	EXISTING	ST	STORM
EXH	EXHAUST	TCC	TEMPERATURE CONTROL
EXP	EXPANSION	TR	TEMPERATURE
FAU	FRESH AIR INTAKE	TR	TEMPERATURE
FCU	FAN COIL UNIT	TR	TEMPERATURE
FD	FLOOR DRAIN	TR	TEMPERATURE
FDC	FIRE DEPARTMENT CONNECTION	TR	TEMPERATURE
FLEX	FLEXIBLE	TR	TEMPERATURE
FLR	FLOOR	TR	TEMPERATURE
FRM	FEET PER MINUTE	TR	TEMPERATURE
FPS	FEET PER SECOND	TR	TEMPERATURE

PIPING LEGEND - PLUMBING

CW	---	DOMESTIC COLD WATER
HW	---	DOMESTIC HOT WATER
G	---	NATURAL GAS
RHW	---	RECIRCULATING HOT WATER

PLUMBING - GENERAL NOTES

- COORDINATE LOCATION/INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION. INCORPORATE INTO INSTALLATION MECHANICAL SPECIFICATIONS, DRAWINGS, STATE AND LOCAL CODES, AND OTHER APPLICABLE REQUIREMENTS.
- WARNING - CALL 48 HOURS BEFORE YOU DIG: LAW REQUIRES ANYONE DOING ANY EXCAVATION, FENCING, PLANTING OR DRILLING TO CALL 48 HOURS IN ADVANCE. HAND DIG WITHIN 18 INCHES OF ANY LOCATE MARK OR FLAG. ONE CALL 811.
- ON COMPLETION OF THE INSTALLATION, MECHANICAL CONTRACTOR SHALL COOPERATE WITH THE OWNER TO PROVIDE ANY NECESSARY ADJUSTING AND BALANCING TO OBTAIN PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS INCLUDED IN THE SCOPE OF THE PROJECT.
- REFER TO ARCHITECTURAL SPECIFICATIONS FOR FIRESTOPPING AND TO ARCHITECTURAL CODE PLAN FOR FIRE RATED WALLS AND FLOORS. FIRESTOP PATCHES THROUGH RATED ASSEMBLIES.
- MAKE PENETRATIONS WHERE REQUIRED IN EXISTING WALLS, FLOORS, AND CEILINGS. MAKE PENETRATIONS NEAT. CONCEAL OR CAULK ANY OVERCUT COVER EXPOSED WALL PENETRATIONS WITH ESCUTCHEONS OR SHEET METAL AS APPROPRIATE.
- CAULK ALL CONCEALED AND EXPOSED PIPING WALL PENETRATIONS TO PREVENT NOISE TRANSFER BETWEEN SPACES.
- CREATE NECESSARY OPENINGS TO THE BUILDING TO REMOVE EXISTING ITEMS AND TO BRING IN NEW EQUIPMENT. PATCH AND FINISH ALL OPENINGS CREATED SHALL WITH MATERIALS TO MATCH EXISTING CONDITIONS.

PLUMBING - DEMOLITION NOTES

- MECHANICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON NON-DESTRUCTIVE FIELD OBSERVATION AND ORIGINAL DRAWINGS. PROMPTLY NOTIFY THE ENGINEER IF FIELD CONDITIONS DIFFER MATERIAL FROM THE DRAWINGS.
- BE FAMILIAR WITH EXISTING SYSTEMS THAT WILL BE AFFECTED BY THE DEMOLITION WORK. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE IMMEDIATE DEMOLITION AREA. COORDINATE WITH THE OWNER FOR AREAS OF THE BUILDING THAT WILL BE OCCUPIED DURING CONSTRUCTION.
- EQUIPMENT AND/OR MATERIALS SCHEDULED FOR REMOVAL ARE CONTRACTOR'S SALVAGE. HAUL AWAY FROM THE SITE PROMPTLY. EXCEPTION IS THE EQUIPMENT LISTED FOR DISTRICT SALVAGE.
- DO NOT LEAVE DEAD LEGS IN POTABLE WATER SYSTEMS. WHEREVER POSSIBLE, CUT ABANDONED BRANCHES AT CAP AT THE MAIN WITHIN 1 PIPE DIAMETER OF THE MAIN. WHERE DEAD LEGS ARE UNAVOIDABLE, PROVIDE AN ACCESSIBLE METHOD OF FLUSHING IN COMPLIANCE WITH OPSC.
- CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIR OR REPLACEMENT OF TELECOMMUNICATIONS FACILITIES OR EQUIPMENT FOUND TO BE DAMAGED OR NON-FUNCTIONAL AFTER SUBSTANTIAL COMPLETION.

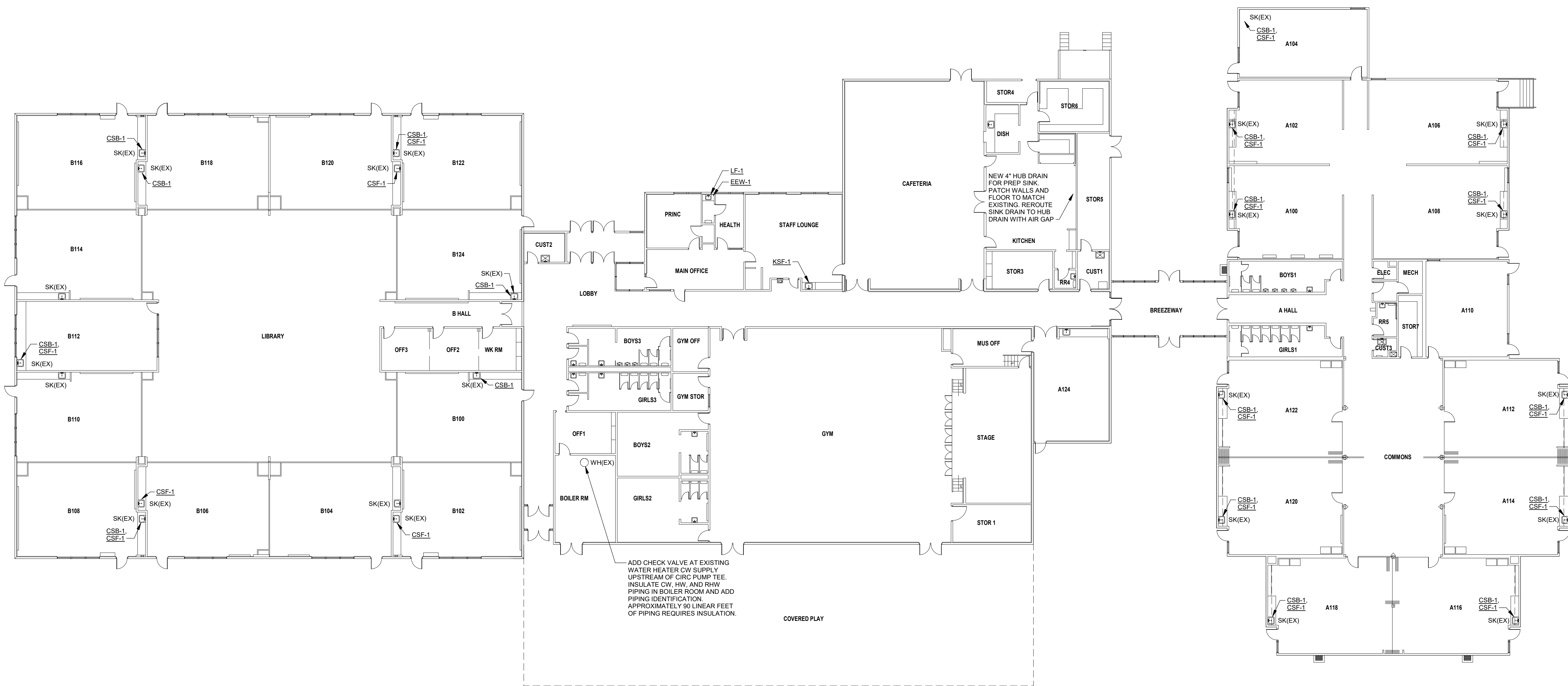
GENERAL NOTES:

- CLASSROOM SINK BASINS ARE EXISTING TO REMAIN. FAUCETS AND BUBBLERS AT CLASSROOM SINKS ARE TO BE REPLACED WHERE INDICATED.
- PRIOR TO SUBMITTING PRODUCT DATA, FIELD VERIFY THAT SPECIFIED FAUCETS AND BUBBLERS ARE COMPATIBLE WITH EXISTING CLASSROOM SINKS.

PLUMBING FIXTURE SCHEDULE

REFERENCE	MFR	MODEL	DESCRIPTION	TRIM
CSB-1	CHICAGO FAUCETS	748-665ABCP	CLASSROOM SINK BUBBLER - DECK MOUNTED, CAST BRASS CONSTRUCTION, CHROME PLATED BUBBLER, 0.74 GPM FLOW CONTROL, METAL MOUTH GUARD, VANDAL PROOF 1-3/4" INDEXED METERING PUSH HANDLE, INSTANT OFF CARTRIDGE, CERTIFIED TO NSF/ANSI 61, ADA COMPLIANT.	ACCESSORIES - 3/8" COMPRESSION SUPPLY TEE, STAINLESS STEEL SUPPLY HOSE
CSF-1	CHICAGO FAUCETS	786-GR2AE35V317AB	CLASSROOM SINK FAUCET - 8 INCH FIXED CENTERS, CONCEALED DECK-MOUNTED MANUAL SINK FAUCET. CAST BRASS CONSTRUCTION, 5-3/8" RESTRICTED SWING GOOSENECK SPOUT, VANDAL PROOF 4" INDEXED WRISTBLAD HANDLES, QUATURN COMPRESSION CARTRIDGES, 1.0 GPM AERATOR, 1/2" INLETS AND COUPLING NUTS FOR 3/8" OR 1/2" SUPPLIES. NSF/ANSI 61, ADA COMPLIANT.	THERMOSTATIC MIXING VALVE - ASSE 1070 LISTED, WITH COMBINATION STOP, STRAINER, AND CHECK VALVES. SET TO 110 OUTLET TEMPERATURE. ACCESSORIES - LEAD-FREE BRASS STOP VALVE WITH 1/2" PRESS CONNECT PRESSURE FITTING TO 3/8" COMPRESSION FITTING, ESCUTCHEONS, STAINLESS STEEL FLEXIBLE SUPPLIES OR RIGID SUPPLIES, ESCUTCHEONS.
EEW-1	HAWS	8904	EMERGENCY EYE WASH - DECK MOUNTED EYE/FACE WASH AND BODY SPRAY, RIGHT HAND MOUNTING - ANSI Z358.1-2014, CHROME PLATED BRASS STAY-OPEN SQUEEZE LEVER VALVE, 8 FT HOSE WITH SWIVEL FITTING, PLASTIC DECK FLANGE, UNIVERSAL SIGN, 1/2 INCH NPT INLET, 3.7 GPM FLOW.	MIXING VALVE - HAWS 9201 EW EMERGENCY THERMOSTATIC MIXING VALVE TO PROVIDE TEPID WATER BY MIXING HOT AND COLD WATER, ANSI Z358.1-2014. MOUNT MIXING VALVE UNDER SINK. VACUUM BREAKER - HAWS SP212
LF-1	CHICAGO FAUCETS	404-VE64-950POABCP	LAVATORY FAUCET - CONCEALED DECK MOUNT WITH 8" FIXED CENTERS, CHROME PLATED, POP-UP DRAIN, RIGID, CAST BRASS SPOUT, 5" CENTER TO CENTER, 1.0 GPM VANDAL PROOF OUTLET, 2-1/2" METAL, VANDAL PROOF, INDEXED, 2-WING CANOPY HANDLES, CERTIFIED TO NSF/ANSI 61, ADA COMPLIANT. CONFIRM THAT FIXTURE IS COMPATIBLE WITH EXISTING SINK HOLES AND CONFIGURATION.	THERMOSTATIC MIXING VALVE - ASSE 1070 LISTED, WITH COMBINATION STOP, STRAINER, AND CHECK VALVES. SET TO 110 OUTLET TEMPERATURE. ACCESSORIES - RIGID SUPPLIES. STOP VALVES AND ESCUTCHEONS ARE EXISTING TO REMAIN.
KSF-1	CHICAGO FAUCETS	1100-E35ABCP	KITCHEN SINK FAUCET - DECK-MOUNTED MANUAL SINK FAUCET WITH 8" CENTERS, CHROME PLATED CAST BRASS CONSTRUCTION, L-TYPE 8" SWING SPOUT, 2" METAL INDEXED SINGLE-WING HANDLES, QUATURN COMPRESSION CARTRIDGES, 1.5 GPM AERATOR, NSF/ANSI 61, ADA COMPLIANT.	ACCESSORIES - RIGID SUPPLIES. STOP VALVES AND ESCUTCHEONS ARE EXISTING TO REMAIN.

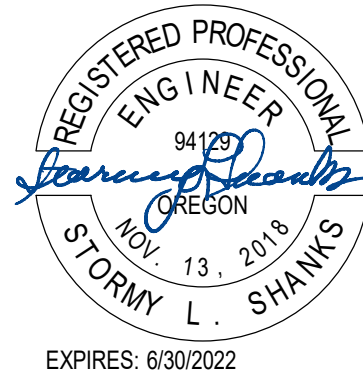
NOTES:



1 FIRST FLOOR PLUMBING PLAN
1/16" = 1'-0"

CONSULTANTS:

STAMP:



Project No: 21194

Date: 03/04/2022

100% CONSTRUCTION DOCUMENTS

Revision Date

Drawing Name:
FIRST FLOOR
PLUMBING PLAN

Drawing #:

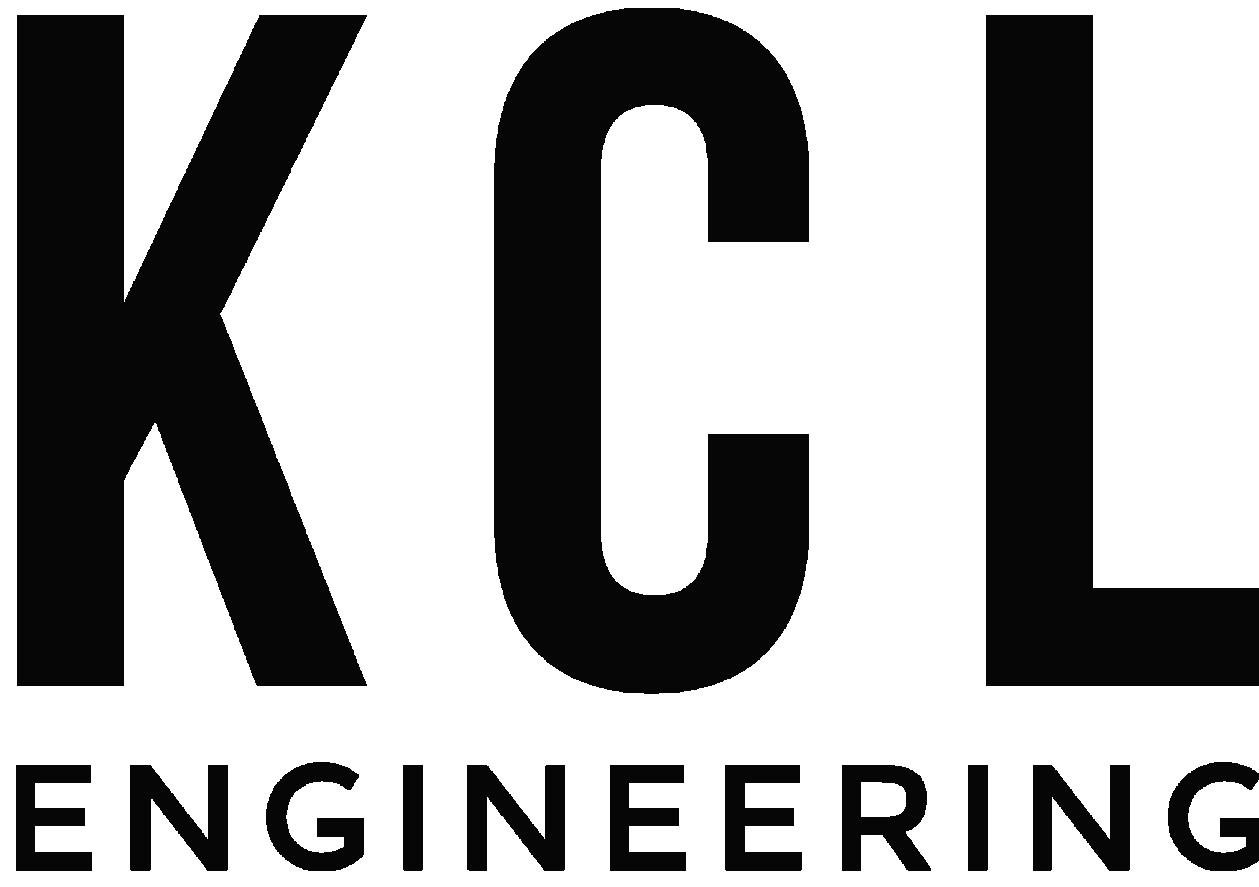
P101

2022 RE-PIPING PROJECTS - MCKINLEY ELEMENTARY SCHOOL

1500 NW 185TH AVE, BEAVERTON, OR 97006

100% CONSTRUCTION DOCUMENTS

03/04/2022



Consulting Engineering

Mechanical

Plumbing

Electrical

Technology

312 NW 10TH AVE, SUITE 100
PORTLAND, OR 97210

info@kclengineering.com
515.724.7938

SHEET INDEX

HA1	HAZARDOUS MATERIAL ABATEMENT PLAN
AD201B	DEMOLITION PLAN - FIRST FLOOR - AREA B
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AD211B	DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
A201B	FLOOR PLAN - FIRST FLOOR - AREA B
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A601	INTERIOR ELEVATIONS
P000	PLUMBING GENERAL NOTES AND SYMBOLS
PD101A	FIRST FLOOR PLUMBING DEMOLITION - AREA A
PD101B	FIRST FLOOR PLUMBING DEMOLITION - AREA B
P101A	FIRST FLOOR PLUMBING PLAN - AREA A
P101B	FIRST FLOOR PLUMBING PLAN - AREA B

OWNER

Doaa El Haggan
Construction Project Manager
Beaverton School District | Facilities Development
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Beaverton, OR 97003
503.356.4500

MECHANICAL ENGINEER

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KCL Engineering
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971.400.0416
sshanks@kclengineering.com

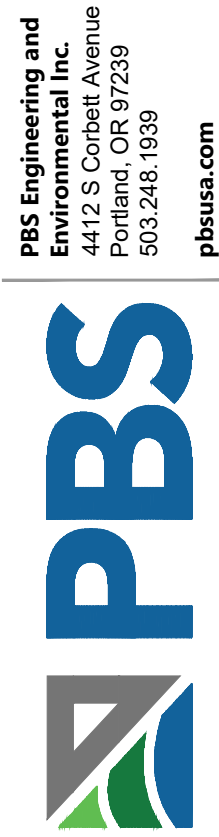
ARCHITECT

Deb France, AIA
Oh Planning and Design, Architecture
115 NW 1st Ave.
Portland, OR 97209
503.280.8000

1. THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED FOR GENERAL MATERIAL AND ABATEMENT INFORMATION ONLY.
2. HARD FITTING QUANTITY AND LOCATION INFORMATION IS APPROXIMATE AND PROVIDED FOR REFERENCE ONLY; ACTUAL QUANTITIES AND LOCATIONS WILL VARY. CONTRACTOR IS TO FIELD VERIFY ALL MATERIAL LOCATIONS, SITE CONDITIONS AND QUANTITIES.
3. REFER TO THE ASSOCIATED PRE-RENOVATION HAZARDOUS BUILDING MATERIALS SURVEY REPORT, PBS ENGINEERING AND ENVIRONMENTAL, JANUARY 2022 AND THE BEAVERTON SCHOOL DISTRICT VERDANT DATABASE FOR ADDITIONAL ASBESTOS-CONTAINING BUILDING MATERIAL INFORMATION.
4. IF SUSPECT MATERIALS ARE ENCOUNTERED DURING DEMOLITION ACTIVITIES THAT ARE NOT IDENTIFIED ON THE PRECEDING SURVEY REPORT, THESE DRAWINGS OR IN THE SPECIFICATIONS, STOP WORK AND CONTACT THE OWNER'S ENVIRONMENTAL CONSULTANT.

1. COORDINATE ASBESTOS-CONTAINING HARD FITTING ABATEMENT WITH PLUMBING DEMOLITION.
2. PERFORM ALL ASBESTOS ABATEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 13.
3. ASBESTOS-CONTAINING HARD FITTINGS MAY BE REMOVED USING WRAP AND CUT REMOVAL METHODS IN CONJUNCTION WITH PIPE DEMOLITION.

 APPROXIMATE NUMBER AND LOCATION OF ASBESTOS-CONTAINING HARD PIPE FITTING INSULATION TO BE REMOVED. HARD FITTINGS ARE PRESENT INSIDE WALLS AND ABOVE CEILINGS.



HAZARDOUS MATERIAL ABATEMENT PLAN
McKINLEY ELEMENTARY SCHOOL
1500 NW 185TH AVENUE; BEAVERTON, OREGON

[illegible]

DRAWN BY JAB
CHECKED: RD
DATE: MARCH 2022
PROJECT NUMBER: 27121.011 0002
SHEET DRAWING NO: HA1
SHEET 1 OF 2

CONSULTANTS:



OH PLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
DEMOLITION FLOOR
PLAN - FIRST FLOOR -
AREA B

Drawing #:

AD201B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated May 2009.

These documents have been prepared, in part, based on information furnished by the Owner and previously permitted projects. Per the construction documents, the building is classified as Type VB construction and Educational - Group "E" occupancy. The Architect does not ensure that all conditions have been noted or accurately documented. Users of these documents should independently verify all pertinent information and conditions. Do not construe information contained within this sheet to allow work not conforming to applicable codes or requirements of authorities having jurisdiction.

SHEET NOTES - DEMOLITION PLAN

- A. All dimensions shown are to face of finish U.N.O. Do not measure drawings to determine dimensions. Large scale details take precedence over smaller scale drawings.
- B. All areas of demolition shall be cleared and cleaned of all items and prepared to receive new construction, unless noted otherwise.
- C. Verify limits of demolition prior to commencing work.
- D. Contractor shall field verify all existing construction and related conditions prior to starting demolition or new construction.
- E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
- F. For additional demolition information, see all consultant's drawings.
- G. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with architect, consultants and owner.
- H. Coordinate with owner regarding any work that is to occur in the ceiling or the floor below so as not to disrupt the functions of the owner's occupied area. Contractor to replace ceiling to match existing adjacent construction and finish, unless noted otherwise.
- I. Removal of existing plumbing fixtures shall include capping of piping and waste lines. See plumbing drawings for more information.
- J. All acoustical ceilings and related support systems to be removed shall include ceiling tiles, light fixtures, grilles, diffusers, steel support grids and ceiling mounted equipment, unless noted otherwise. See keynotes for further instruction.
- K. Contractor shall take proper measures to protect areas outside the area of work from dust, air particulates, and debris. Coordinate with Architect, Engineer and Owner to protect against infiltration of all of the above into the remaining occupied areas.
- L. Demolition Work to take place prior to interior improvements. Provide such measures as necessary to prevent property damage or bodily injury.
- M. All interior Patching and Repair shall occur as part of this scope of work, U.N.O. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
- N. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
- O. Where interruption of the building's Life Safety System is required to perform the work as described in the Construction Documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
- P. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the Work.
- Q. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

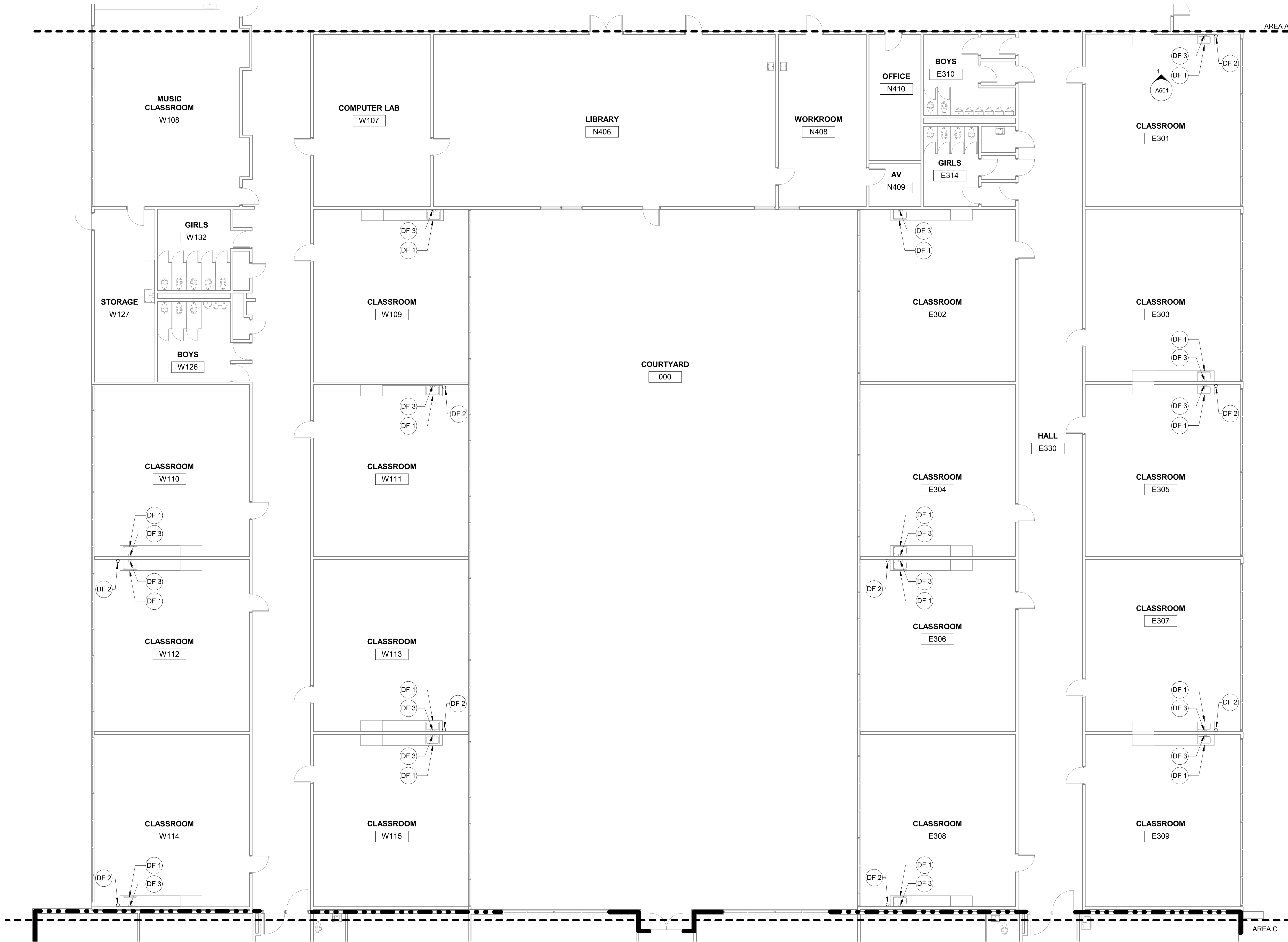
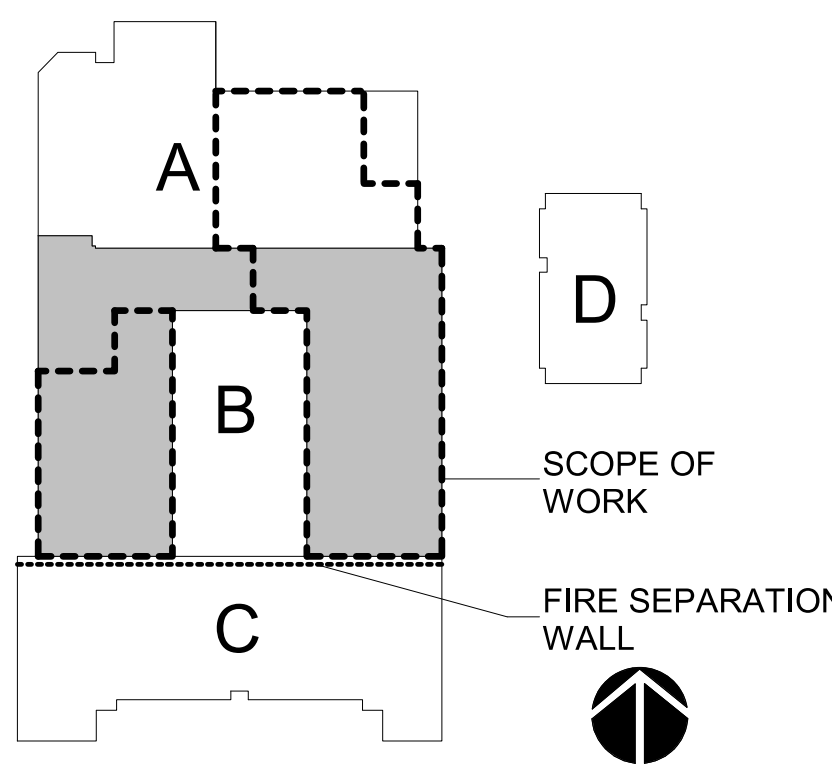
LEGEND - DEMOLITION PLAN

- EXISTING TO REMAIN
- = = = EXISTING TO BE DEMOLISHED
- • • • BUILDING AREA SEPARATION

KEYNOTES - DEMOLITION PLAN

- DF 1 Remove (E) faucet and bubbler. Protect (E) sink and casework to remain.
- DF 2 Demolish (E) pipe. (E) clips and wall attachments to remain in place. See typical classroom interior elevations for additional detail. See Plumbing for detail.
- DF 3 Remove casework side panel as required for the pipe replacement; remove back panel and wall sheathing on each side of wall to provide access to piping replacement at each sink.

KEY PLAN



1 DEMOLITION FLOOR PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

1500 NW 185TH AVE, BEAVERTON, OR 97006

AD211A

- A. Keynotes are not sheet specific.
- B. All heights shown are to bottom of grid system or gyp bd AFF, relative to the floor that the ceiling plan is shown on, UNO.
- C. Ceiling height is 8'-0" AFF, UNO.
- D. Existing ceiling fixtures, smoke detectors, life safety speakers, AV speakers, exit signs, sprinklers, mirrors, fire alarm or signal devices, or other ceiling mounted devices impacted by plumbing improvements are to be removed, salvaged, protected for reinstatement at existing location.
- E. Relocate (E) sprinklers, smoke detectors, and speakers as required for new plumbing.
- F. Coordinate all work with other disciplines; see Plumbing and Civil for additional scope.
- G. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	BUILDING AREA SEPARATION
	(E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
	(E) GYPSUM WALL BOARD CEILING TO REMAIN
	(E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
	(E) ACOUSTICAL CEILING PANEL TO REMAIN
	(E) 1' X 4' FLUORESCENT TYPICAL TO REMAIN
	(E) 2' X 4' FLUORESCENT TYPICAL TO REMAIN
	DEMOLISHED WALL MOUNTED PIPE
	DEMOLISHED ABOVE CEILING PIPE

DC 1	Remove wall mounted pipe. (E) support brackets to remain.
DC 2	Pipe located above ceiling to be removed. See Plumbing for detail.

FIRE SEPARATION WALL

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

CONSULTANTS:



OH PLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
DEMOLITION
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA B

Drawing #:

AD211B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated May 2009.

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SHEET NOTES - DEMOLITION RCP

- A. Keynotes are not sheet specific.
B. All heights shown are to bottom of grid system or gyp bd AFF, relative to the floor that the ceiling plan is shown on, UNO.
C. Ceiling height is 8'-0" AFF, UNO.
D. Existing ceiling fixtures, smoke detectors, life safety speakers, AV speakers, exit signs, sprinklers, mirrors, fire alarm or signal devices, or other ceiling mounted devices impacted by plumbing improvements are to be removed, salvaged, protected for reinstallation at existing location.
E. Relocate (E) sprinklers, smoke detectors, and speakers as required for ceiling layout.
F. Coordinate all work with other disciplines; see Plumbing and Civil for additional scope.
G. Per previously permitted construction documents, (E) building area separation are assumed to have 2-HR rating.

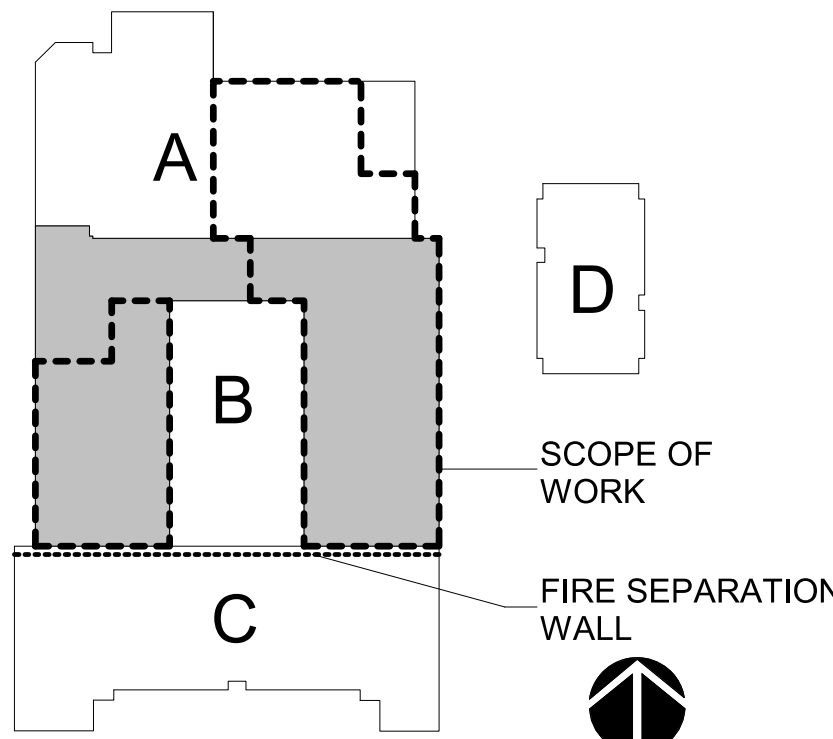
LEGEND - DEMOLITION RCP

- EXISTING TO REMAIN
= = = EXISTING TO BE DEMOLISHED
• • • • BUILDING AREA SEPARATION
[Grid Pattern] (E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
[Stippled Pattern] (E) GYPSUM WALL BOARD CEILING TO REMAIN
[Cross-hatch Pattern] (E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
[Dotted Pattern] (E) ACOUSTICAL CEILING PANEL TO REMAIN
[Thin Line] (E) 1' X 4' FLUORESCENT TYPICAL TO REMAIN
[Double Line] (E) 2' X 4' FLUORESCENT TYPICAL TO REMAIN
- - - DEMOLISHED WALL MOUNTED PIPE
- - - - - DEMOLISHED ABOVE CEILING PIPE

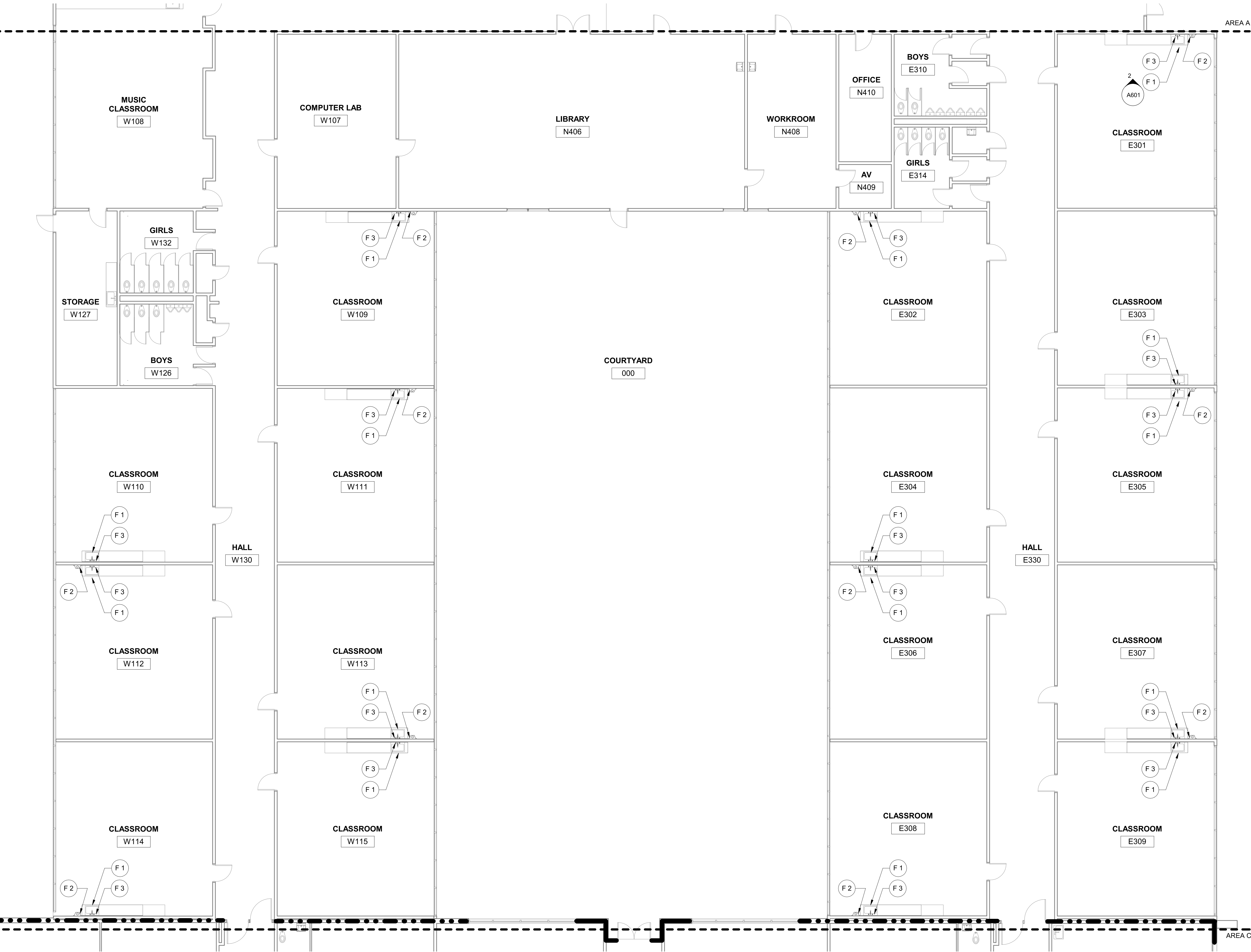
KEYNOTES - DEMOLITION RCP

- DC 1 Remove wall mounted pipe. (E) support brackets to remain.
DC 2 Pipe located above ceiling to be removed. See Plumbing for detail.

KEY PLAN



1 DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"



1 FLOOR PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

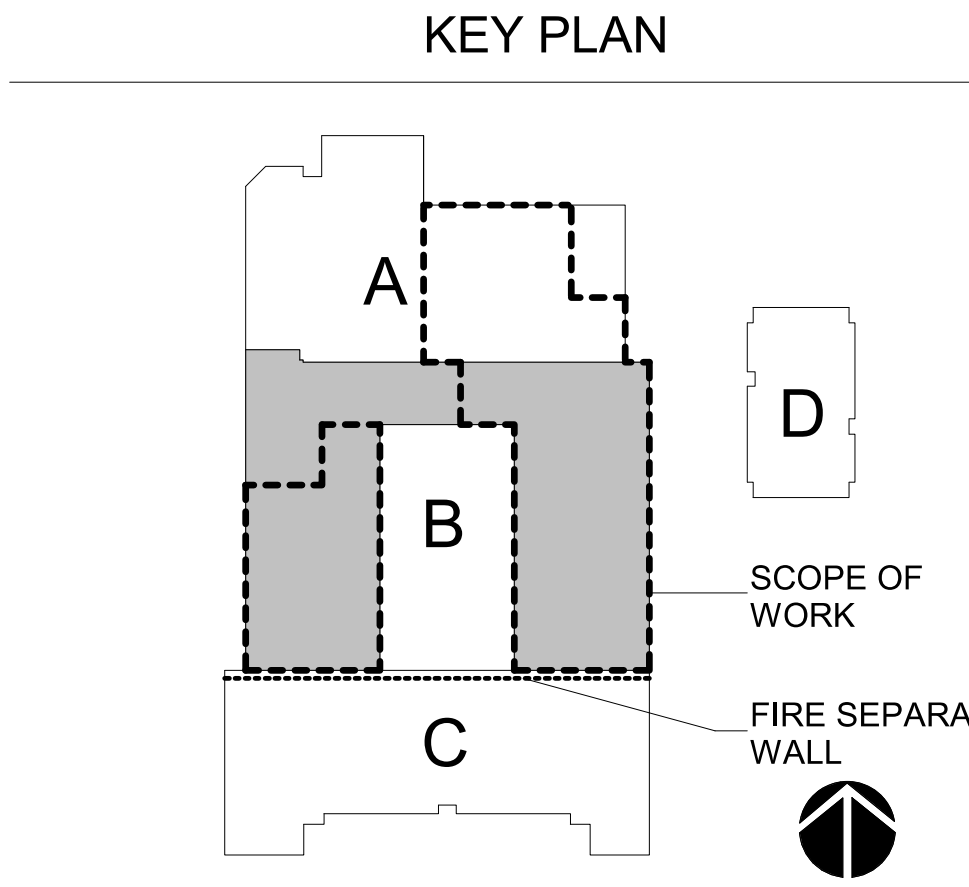
NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.
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- SHEET NOTES - FLOOR PLAN**
- A. All dimensions are to face of finish, U.N.O.
 - B. All dimensions to be field verified.
 - C. Floor Plan Keynotes (F#) are consistent across all Floor Plan sheets. Not all keynotes are used on each sheet.
 - D. See Enlarged Plans, where applicable, for wall types, notes, and dimensions.
 - E. Coordinate all work with other trades.
 - F. Per previously permitted construction documents (E) building area separation are assumed to have 2-HR rating.

- LEGEND - FLOOR PLAN**
- NEW WALL
 - EXISTING WALL TO REMAIN
 - ... BUILDING AREA SEPARATION


- KEYNOTES - FLOOR PLAN**
- F 1 New faucet and bubbler. See Plumbing for detail.
 - F 2 New wall mounted pipe; provide protective cover as shown on interior elevations. See Plumbing for detail.
 - F 3 Install new cabinet back panel and wall sheathing as required at sink. Patch and caulk penetration at side panel. See Plumbing for detail.



KCL


ENGINEERING

CONSULTANTS:



OH PLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 90071
Date: 03/08/2022
100% CONSTRUCTION DOCUMENTS
/ Revision Date

Drawing Name:
FLOOR PLAN - FIRST FLOOR - AREA B

Drawing #:
A201B

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated May 2009.

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SHEET NOTES - RCP

- A. Keynotes are not sheet specific.
B. All heights shown are to bottom of grid system or gyp bd AFF, relative to the floor that the ceiling plan is shown on, UNO.
C. Ceiling height is 8'-0" AFF, UNO.
D. Relocate (E) sprinklers, smoke detectors, and speakers as required for ceiling layout
E. Coordinate all work with other disciplines; see Plumbing and Civil or additional scope.
F. Per previously permitted construction documentsm (E) building area separation are assumed to have 2-HR rating.

CONSULTANTS:



STAMP:



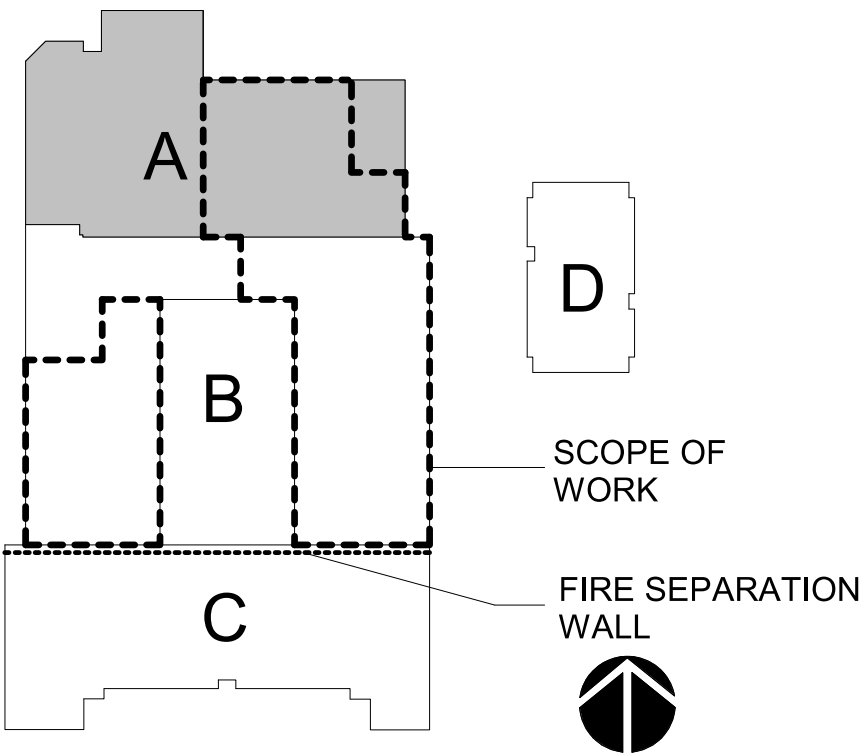
LEGEND - RCP

- EXISTING TO REMAIN
NEW CONSTRUCTION
BUILDING AREA SEPARATION
(E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
(E) GYPSUM WALL BOARD CEILING TO REMAIN
(E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
(E) ACOUSTICAL CEILING PANEL TO REMAIN
(E) 1' X 4' FLUORESCENT TYPICAL TO REMAIN
(E) 2' X 4' FLUORESCENT TYPICAL TO REMAIN
NEW WALL MOUNTED PIPE
NEW PIPE ROUTED ABOVE CEILING

KEYNOTES - RCP

- C 1 New wall mounted pipe. Contractor to utilize existing support brackets at wall. Paint exposed pipe to match adjacent wall finish. Provide cont. caulking at wall penetration.
C 2 New pipe above ceiling shown dashed. See plumbing for detail.

KEY PLAN



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 90071

Date: 03/08/2022

100% CONSTRUCTION
DOCUMENTS

/ Revision Date

Drawing Name:
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA A

Drawing #:

A211A

1 REFLECTED CEILING PLAN - FIRST FLOOR - AREA A
1/8" = 1'-0"

CONSULTANTS:



STAMP:



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 90071

Date: 02/28/2022

100% CONSTRUCTION
DOCUMENTS

#/△ Revision Date

Drawing Name:
REFLECTED CEILING
PLAN - FIRST FLOOR -
AREA B

Drawing #:

A211B

SHEET NOTES - RCP

- A. Keynotes are not sheet specific.
B. All heights shown are to bottom of grid system or gyp bd AFF, relative to the floor that the ceiling plan is shown on, UNO.
C. Ceiling height is 8'-0" AFF, UNO.
D. Relocate (E) sprinklers, smoke detectors, and speakers as required for ceiling layout
E. Coordinate all work with other disciplines; see Plumbing and Civil or additional scope.
F. Per previously permitted construction documentsm (E) building area separation are assumed to have 2-HR rating.

NO FIRE AND LIFE SAFETY IMPROVEMENTS WITHIN THE SCOPE OF THIS PROJECT.

Information in this sheet is based on permitted documents dated May 2009.

These documents have been prepared, in part, based on information furnished by the Owner and previously permitted projects. Per the construction documents, the building is classified as Type VB construction and Educational - Group "E" occupancy. The Architect does not ensure that all conditions have been noted or accurately documented. Users of these documents should independently verify all pertinent information and conditions. Do not construe information contained within this sheet to allow work not conforming to applicable codes or requirements of authorities having jurisdiction.

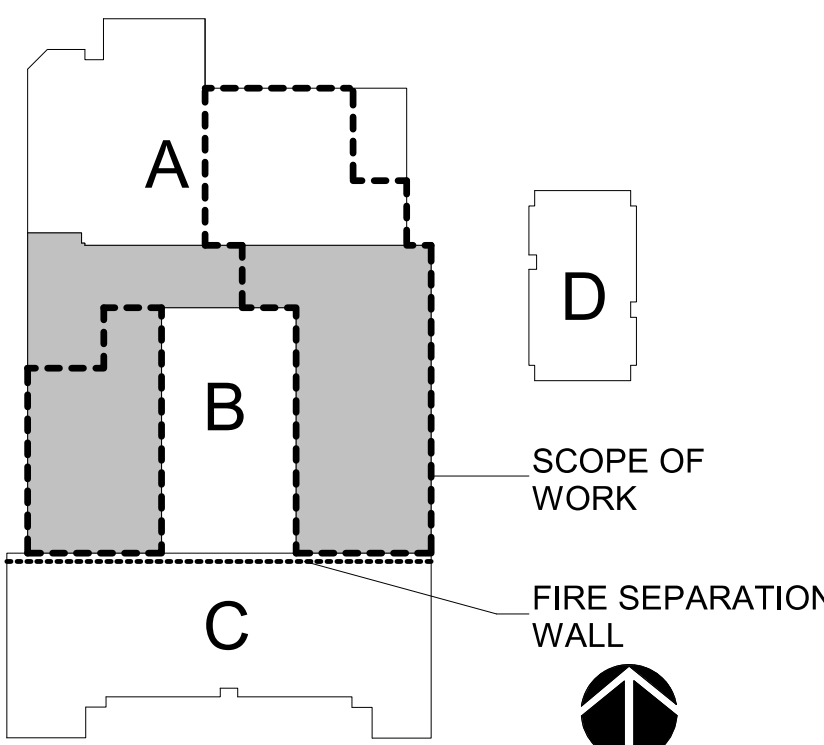
LEGEND - RCP

- EXISTING TO REMAIN
NEW CONSTRUCTION
BUILDING AREA SEPARATION
(E) 1' X 1' ACOUSTICAL CEILING TILE TO REMAIN
(E) GYPSUM WALL BOARD CEILING TO REMAIN
(E) 2' X 4' ACOUSTICAL CEILING TILE TO REMAIN
(E) ACOUSTICAL CEILING PANEL TO REMAIN
(E) 1' X 4' FLUORESCENT TYPICAL TO REMAIN
(E) 2' X 4' FLUORESCENT TYPICAL TO REMAIN
NEW WALL MOUNTED PIPE
NEW PIPE ROUTED ABOVE CEILING

KEYNOTES - RCP

- C 1 New wall mounted pipe. Contractor to utilize existing support brackets at wall. Paint exposed pipe to match adjacent wall finish. Provide cont. caulking at wall penetration.
C 2 New pipe above ceiling shown dashed. See plumbing for detail.

KEY PLAN



1 REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
1/8" = 1'-0"

KCL

ENGINEERING

CONSULTANTS:

Oh

OHPLANNING+DESIGN,
ARCHITECTURE
115 NW 1st Ave, Ste. 300
Portland, OR 97209

STAMP:

REGISTERED ARCHITECT

DEBORAH K. FRASER

PORTLAND, OR

12/31/2022

4559

STATE OF OREGON

BEAVERTON SCHOOL DISTRICT

2022 RE-PIPING PROJECTS - MCKINLEY

ELEMENTARY SCHOOL

1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No:

90071

Date:

03/08/2022

100% CONSTRUCTION DOCUMENTS

#

△

Revision

Date

Drawing Name:

INTERIOR ELEVATIONS

Drawing #:

A601

SHEET NOTES - INTERIOR ELEVATION

A. All work to comply with 2019 Oregon Structural Specialty Code.
B. Keynotes are not sheet specific.
C. All dimensions shown are to face of finish U.N.O. Do not measure drawings to determine dimensions. Large scale details take precedence over smaller scale drawings.
D. Contractor shall field verify all existing construction and related conditions prior to starting demolition or new construction.
E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
F. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with Architect, Engineer and Owner.
G. All interior patching and repair shall occur in the interior improvements scope of work. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
H. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
I. Where interruption of the building's Life Safety System is required to perform the work as described in the construction documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
J. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the work.
K. Contractor to coordinate installation and scheduling of Owner or Owner's vendor provided or installed fixtures and equipment.
L. Contractor shall be solely responsible for the design and construction of all shoring and bracing required for construction of the Work. Contractor shall not store construction materials or equipment in a manner such that the design live loads of the structure are exceeded.
M. All features of the Work not fully shown shall be of the same type and character shown for similar conditions. In the event that additional work is required to complete the Work as intended or required by governing codes and safety regulations, yet omitted or not fully shown on the drawings. Contractor must still provide carpentry, mechanical, electrical and/or plumbing work as necessary for Certificate of Occupancy.

LEGEND - DEMOLITION INTERIOR ELEVATION

EXISTING TO REMAIN
EXISTING TO BE DEMOLISHED

LEGEND - INTERIOR ELEVATION

EXISTING TO REMAIN
NEW CONSTRUCTION

KEYNOTES - INTERIOR ELEVATION

N 1 New faucet and bubbler at (E) location. See Plumbing for detail.
N 2 New protective cover at new wall mounted pipe.

KEYNOTES - DEMOLITION INTERIOR ELEVATION

DN 1 Demolish (E) pipe as shown. Salvage (E) clips and wall attachments for reinstallation of new piping.
DN 2 Remove cabinet back panel and side panel as required for piping replacement. Protect existing sink in place.

1 DEMOLITION INTERIOR ELEVATION - TYPICAL CLASSROOM SCOPE
1/2" = 1'-0"

2 INTERIOR ELEVATION - TYPICAL CLASSROOM SCOPE
1/2" = 1'-0"

3 PROTECTIVE COVER DETAIL
6" = 1'-0"

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BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
1500 NW 185TH AVE, BEAVERTON, OR 97006

Project No: 21194

Date: 03/04/2022

100% CONSTRUCTION
DOCUMENTS

Revision Date

Drawing Name:
FIRST FLOOR
PLUMBING
DEMOLITION - AREA A

Drawing #:

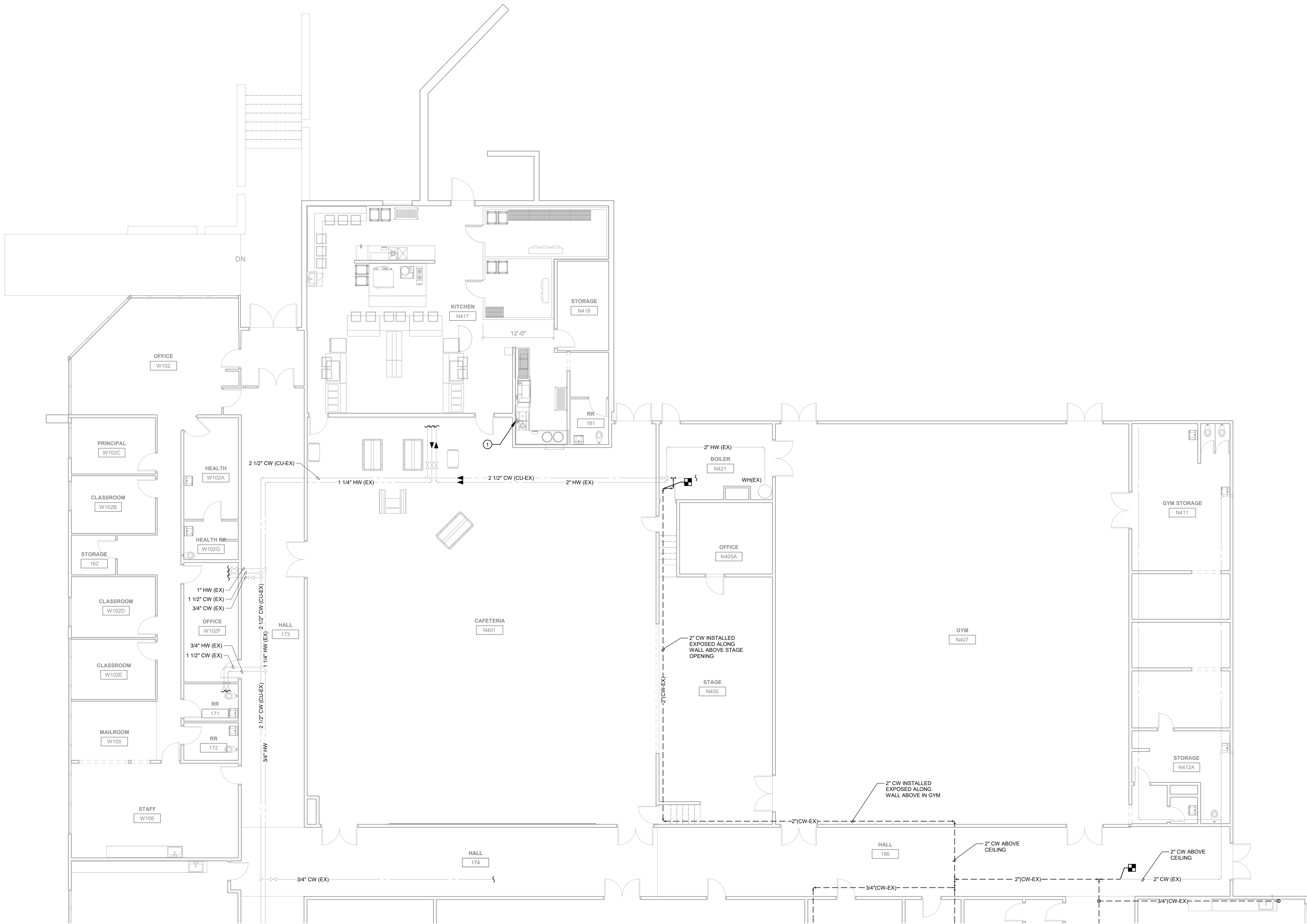
PD101A

GENERAL NOTES:

- REFER TO P000 FOR GENERAL NOTES & SYMBOLS, SCHEDULES, AND DETAILS.
- PATCH WALLS WHERE PIPES OR EQUIPMENT ARE REMOVED. PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION.
- COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR WORK IN AREAS CONTAINING ASBESTOS.
- WHERE PIPING, EQUIPMENT, AND PLUMBING FIXTURES ARE REMOVED, REMOVE ALL VALVES, SUPPORTS, INSULATION, AND ACCESSORIES. REMOVE PIPING BACK TO MAINS AND CAP. DO NOT LEAVE DEAD LEGS. WHERE DEAD LEGS ARE UNAVOIDABLE, PROVIDE OPSC COMPLIANT ACCESSIBLE METHOD OF FLUSHING.

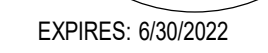
KEYNOTES

- PRE-RINSE FAUCET WILL NOT SHUT OFF AND CAUSING CROSS CONNECTION OF HOT AND COLD WATER. REMOVE EXISTING PRE-RINSE FAUCET AND PREPARE FOR NEW FAUCET.



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A
1/8" = 1'-0"

STAMP:



Project No:	21194
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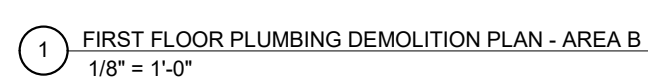
100% CONSTRUCTION DOCUMENTS

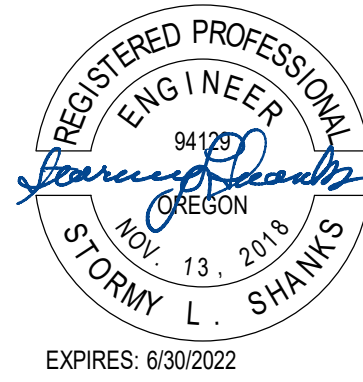
Drawing Name:
FIRST FLOOR
PLUMBING
DEMOLITION PLAN -
AREA B

PD101B

1. REFER TO P000 FOR GENERAL NOTES & SYMBOLS, SCHEDULES, AND DETAILS.
2. PATCH WALLS WHERE PIPES OR EQUIPMENT ARE REMOVED. PAINT OR FINISH
TO MATCH ORIGINAL CONSTRUCTION.
3. COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR
WORK IN AREAS CONTAINING ASBESTOS.
4. WHERE PIPING, EQUIPMENT, AND REMAINING FIXTURES ARE REMOVED, REMOVE
ALL VALVES, SUPPORTS, INSULATION, AND ACCESSORIES. REMOVE PIPING
BACK TO MAINS AND CAP. DO NOT LEAVE DEAD LEGS. WHERE DEAD LEGS ARE
UNAVOIDABLE, PROVIDE OPSC COMPLIANT ACCESSIBLE METHOD OF FLUSHING.

- 1 REMOVE CW SUPPLY IN ACCESSIBLE ATTIC ABOVE CORRIDOR.
- 2 REMOVE CW SUPPLY RUNNING EXPOSED ON CLASSROOM WALL.
- 3 REMOVE CW PIPING, STOPS AND SUPPLIES TO FAUCET AND BUBBLER. REMOVE FAUCET AND BUBBLER. SINK BASIN IS EXISTING TO REMAIN. PREPARE SINK FOR NEW BUBBLER. REMOVE PIPING TO EXISTING HOSE BIBB. HOSE BIBB IS EXISTING TO REMAIN. PREPARE HOSE BIBB FOR NEW CONNECTION.
- 4 REMOVE CW PIPING, STOPS, AND SUPPLIES TO FAUCET AND BUBBLER. REMOVE FAUCET AND BUBBLER. SINK BASIN IS EXISTING TO REMAIN. PREPARE SINK FOR NEW FAUCET AND BUBBLER.
- 5 REMOVE CW PIPING, STOPS, AND SUPPLIES TO FAUCET AND BUBBLER. SINK, FAUCET, AND BUBBLER ARE EXISTING TO REMAIN. PREPARE FAUCET AND BUBBLER FOR NEW CONNECTION.
- 6 REMOVE CW PIPING, STOPS, AND SUPPLIES TO FAUCET AND BUBBLER. REMOVE FAUCET. SINK BASIN AND BUBBLER ARE EXISTING TO REMAIN. PREPARE SINK FOR NEW CONNECTION.
- 7 REMOVE CW AND HW PIPING, STOPS, AND SUPPLIES TO LAVATORY, LAVATORY FAUCET, AND MIXING VALVE ARE EXISTING TO REMAIN.
- 8 PREPARE DRINKING FOUNTAIN FOR NEW BRANCH PIPING.





BEAVERTON SCHOOL DISTRICT
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100% CONSTRUCTION
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Revision Date

Drawing Name:
FIRST FLOOR
PLUMBING PLAN -
AREA A

Drawing #:

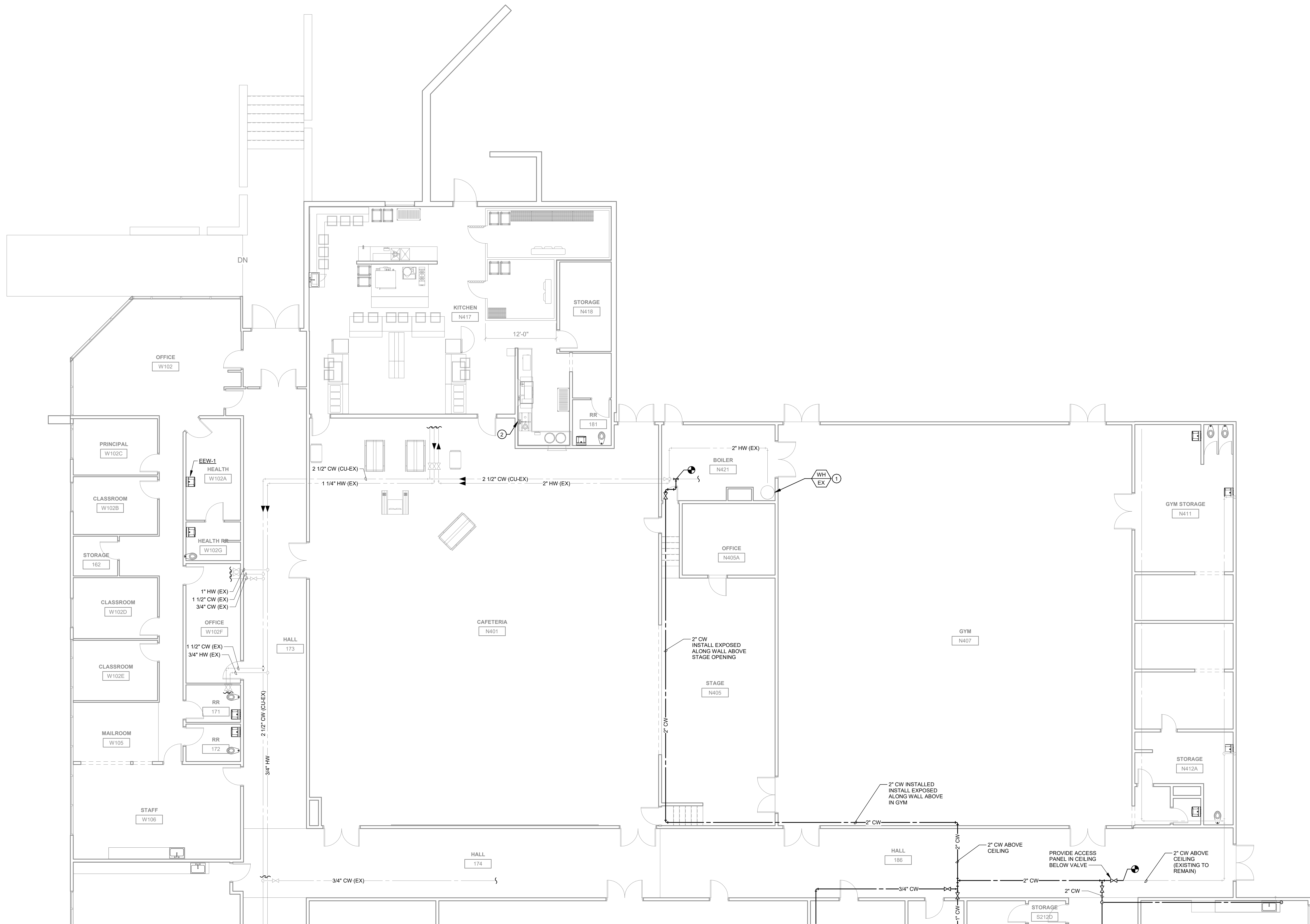
P101A

GENERAL NOTES:

- A. REFER TO P000 FOR GENERAL NOTES & SYMBOLS AND PLUMBING SCHEDULES.
B. REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE ON P000 FOR BRANCH PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
C. INSTALL BRANCH PIPING OFF THE TOP OF MAIN PIPING WHENEVER POSSIBLE.

KEYNOTES

1. WATER HEATER IS EXISTING TO REMAIN. ADD CHECK VALVE AT COLD WATER SUPPLY UPSTREAM OF CIRC PUMP.
2. INSTALL NEW PRE-RINSE FITTING PRE-1. CONFIRM THAT SPECIFIED PRE-1 IS SUITABLE FOR INSTALLATION AND COORDINATED WITH EXISTING CONDITIONS.



1 FIRST FLOOR PLUMBING PLAN - AREA A
1/8" = 1'-0"



BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - MCKINLEY
ELEMENTARY SCHOOL
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DOCUMENTS

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FIRST FLOOR
PLUMBING PLAN -
AREA B

Drawing #:

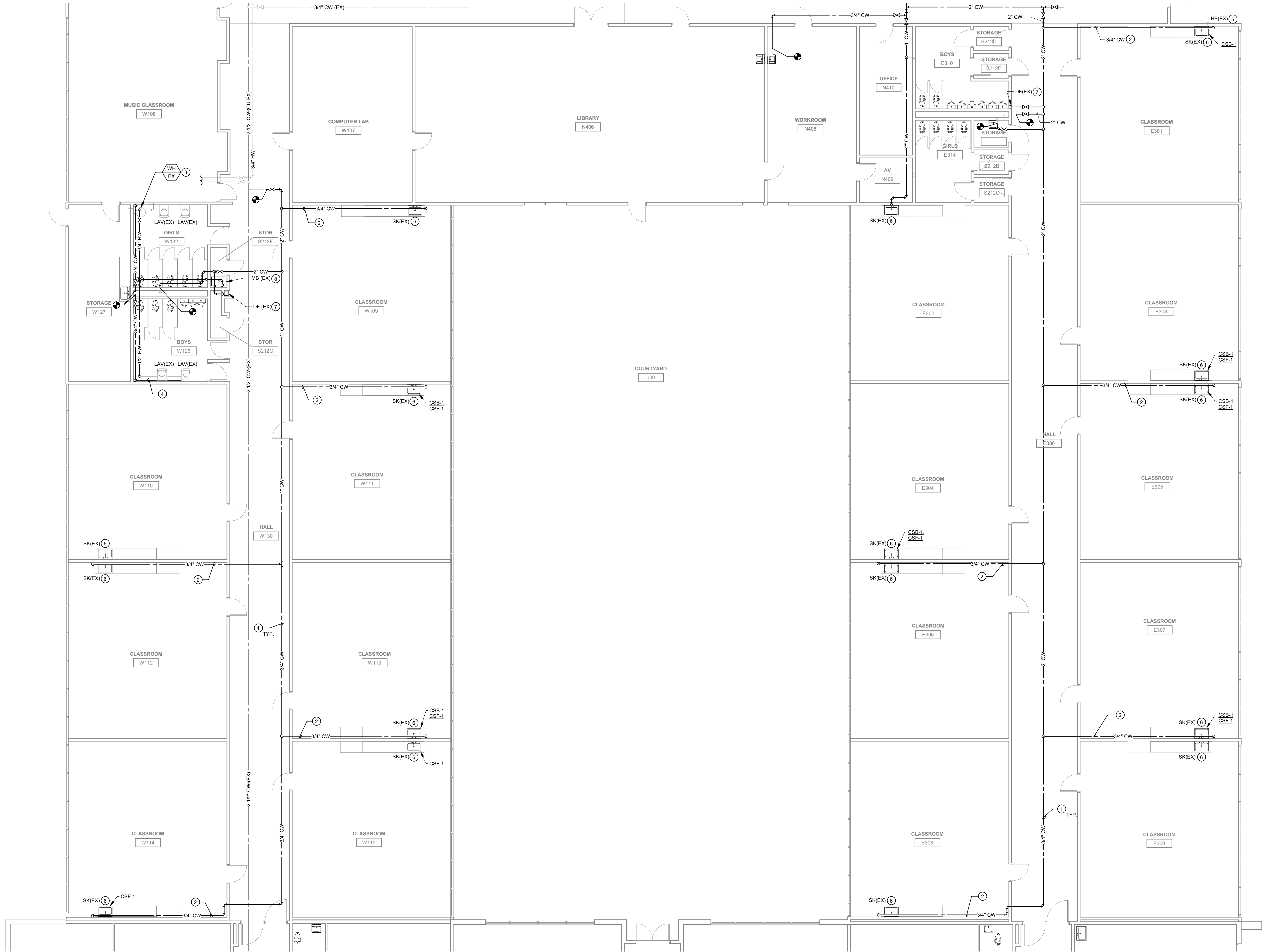
P101B

GENERAL NOTES:

- REFER TO P000 FOR GENERAL NOTES & SYMBOLS AND PLUMBING SCHEDULES.
- REFER TO PLUMBING FIXTURE ROUGH-IN SCHEDULE ON P000 FOR BRANCH PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- INSTALL BRANCH PIPING OFF THE TOP OF MAIN PIPING WHENEVER POSSIBLE.

KEYNOTES

- INSTALL NEW CW PIPING ABOVE HALLWAY IN ACCESSIBLE ATTIC SPACE.
- INSTALL NEW CW PIPING EXPOSED ALONG WALL IN SAME PLACE AS EXISTING PIPE THAT WAS REMOVED. IF PEX-A PIPING IS USED FOR EXPOSED PIPING, USE METAL SADDLE SUPPORT ENTIRE LENGTH OF PIPING INSTALLED UNDER INSULATION.
- WATER HEATER IS EXISTING TO REMAIN. REPLACE ALL PIPING SERVING WATER HEATER. THERE IS NO EXISTING CIRC PUMP AT WATER HEATER. WATER HEATER IS <5 YEARS OLD.
- PROVIDE NEW 3/4" CW AND HW PIPING LOW ON WALL TO MATCH EXISTING LOCATION. PROVIDE NEW STOPS AND SUPPLIES AT LAVATORIES. REINSTALL EXISTING MIXING VALVE.
- CONNECT NEW CW TO HOSE BIBB. INSTALL SHUTOFF VALVE UNDER CABINET TO SERVE HOSE BIBB BRANCH.
- PROVIDE NEW STOPS, SUPPLIES, AND ESCUTCHEONS AT CLASSROOM SINK FAUCETS AND BUBBLERS THAT ARE GETTING NEW PIPING, INCLUDING NEW AND EXISTING TO REMAIN FAUCETS AND BUBBLERS.
- PROVIDE NEW PIPING DOWN TO EXISTING DRINKING FOUNTAIN. PROVIDE NEW STOP AND SUPPLY.
- PROVIDE NEW PIPING TO CHEMICAL DISPENSER FEED SHUT-OFF VALVE AND MOP BASIN FAUCET. VALVE AND FAUCET ARE EXISTING TO REMAIN.



1 FIRST FLOOR PLUMBING PLAN - AREA B
1/8" = 1'-0"