

ARCHITECTURE ENGINEERING

December 30, 2024

#### SCIENCE CLASSROOM RENOVATIONS

Brunswick County Schools BMG Project No: 2022031.00

#### **BID DATE, TIME, AND LOCATION**

#### Bid Date and Time: Tuesday, January 7, 2025, at 10 AM

Bid Location: Brunswick County Schools Operations, 199 Sessions Drive NE, Bolivia, NC 28422. Bids must be clearly labeled and placed in Bid Box at Front Door.

The following items supplement, change, delete or add to the Construction Documents as though repeated in full therein. All general conditions, special conditions, etc., as originally specified shall apply to these items.

#### 1. DRAWINGS

The following drawings have been added, revised, or deleted:

- a. **REVISED**: Drawing A101 Cedar Grove Middle School Room 219 eyewash, attached to the end of this Addendum.
- b. **REVISED**: Drawings P001, PW101 Cedar Grove Middle School Eyewash revision, attached to the end of this Addendum.
- c. **REVISED**: Drawings P001, PD103, PW101, PW102, PW103 Leland Middle School Eyewash revision, attached to the end of this Addendum.
- d. **REVISED**: Drawing A102 North Brunswick High School Rooms 764 and 766 eyewashes, attached to the end of this Addendum.
- e. **REVISED**: Drawing A201 North Brunswick High School Typical Teacher Stations, attached to the end of this Addendum.
- f. **REVISED**: Drawings P001, PD101, PS101, PS102, PW101, PW102, P501 North Brunswick High School Plumbing revisions, attached to the end of this Addendum.
- g. **REVISED**: Drawing E101 North Brunswick High School Electrical revisions, attached to the end of this Addendum.
- h. **REVISED**: Drawing AD101 South Brunswick High School Teacher workstations in Rooms 404A, 408A, 405A, 409, Attached to the end of this Addendum.
- i. **REVISED**: Drawing A101 South Brunswick High School Teacher workstations in Rooms 404A, 408A, 405A, 409; Rooms 404A, 408A, 410, 405A, 409A, 411, 415B eyewashes, Attached to the end of this Addendum.
- j. **REVISED**: Drawing A201 South Brunswick High School Typical Teacher Stations, attached to the end of this Addendum.
- k. **REVISED**: Drawings P001, PW101, PS101, PD101 South Brunswick High School Plumbing revisions, attached to the end of this Addendum.
- 1. **REVISED**: Drawings ED101, E101 South Brunswick High School Electrical revisions, attached to the end of this Addendum.
- m. **REVISED**: Drawings P001, PW101, PW102, PW103 South Brunswick Middle School Eyewash revisions, attached to the end of this Addendum.
- n. **REVISED**: Drawings P001, PW101, PW102, PW103 Shallotte Middle School Eyewash revisions, attached to the end of this Addendum.
- o. **REVISED**: Drawings P001, PD101, PW101– West Brunswick High School Plumbing revisions, attached to the end of this Addendum.
- p. **REVISED**: Drawings P001, PS101, PW101 Waccamaw School Plumbing revisions, attached to the end of this Addendum.

#### ADDENDUM NO. 2 SCIENCE CLASSROOM ADDITIONS

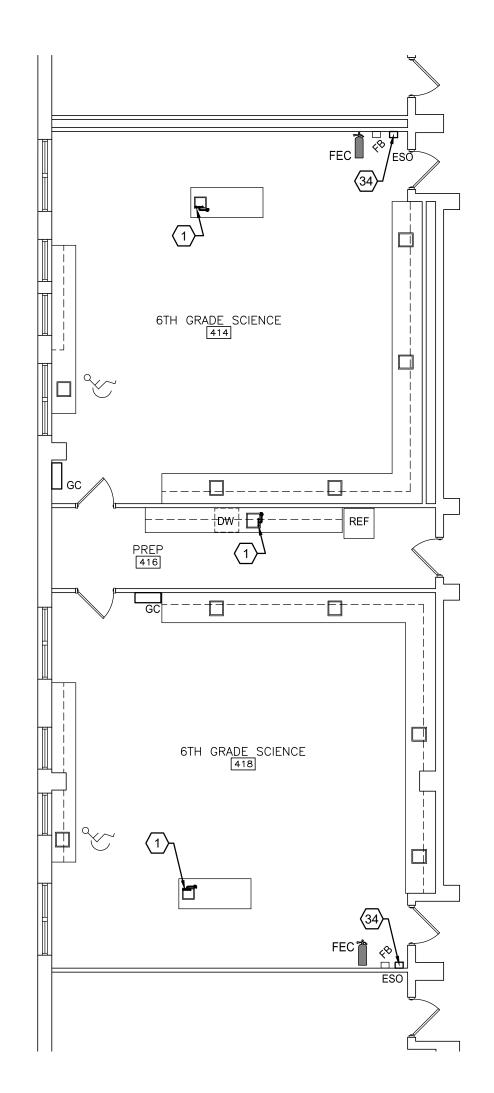
END OF ADDENDUM NO. 2

- 8. CAULK ALL JOINT OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER AND THE INTERSECTION IS EXPOSED TO VIEW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- 7. PAINT BACK SIDES OF REMOVABLE ACCESS PANELS AND HINGED COVERS TO MATCH EXPOSED SURFACE.
- POSITION; TYPICAL, UNLESS OTHERWISE NOTED.
- 5. CHASE WALLS SHALL MATCH ADJACENT CONSTRUCTION; TYPICAL, UNLESS OTHERWISE NOTED. 6. TRANSITIONS OF FLOOR MATERIALS TO BE LOCATED AT CENTERLINE OF DOORS IN CLOSED
- 4. THE CONTRACTOR SHALL MAINTAIN THE RATING OF ALL REQUIRED RATED WALLS AT ALL INTERSECTIONS, CONNECTIONS, AND PENETRATIONS.
- 3. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS.
- 2. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO ENSURE THAT SECURITY BETWEEN CONSTRUCTION AREA AND AREAS WHICH ARE PUBLIC OR OTHERWISE OCCUPIED SHALL BE MAINTAINED.
- 1. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE SCHEDULING OF ALL CONSTRUCTION WITH THE BUILDING OWNER, SUBMIT DETAILED CONSTRUCTION SCHEDULE PRIOR TO DOING WORK INCLUDING PHASED CONSTRUCTION AND AFTER HOURS WORK.

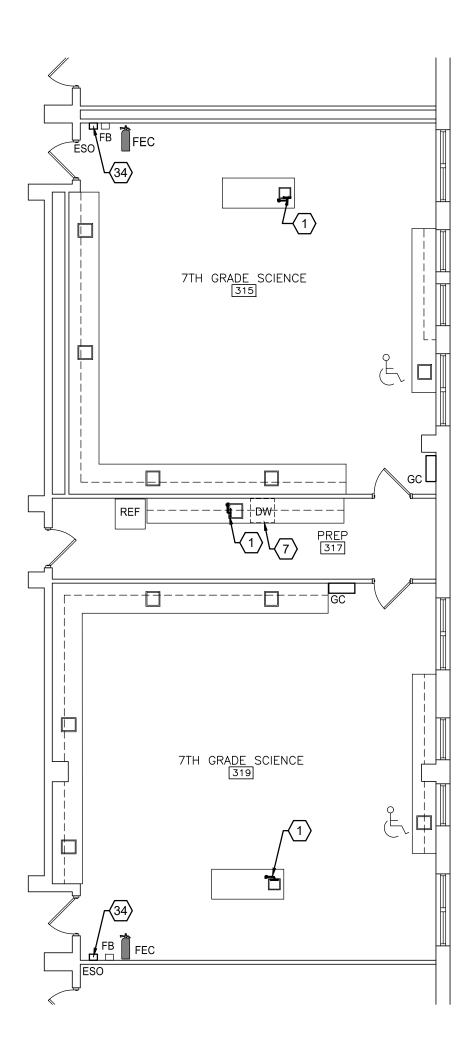
# **GENERAL NOTES**

PRICING AND BIDDING NOTES CASEWORK VENDOR PRICING TO INCLUDE THE FABRICATION OF AND COORDINATION WITH GENERAL CONTRACTOR FOR DELIVERY AND BONDED STORAGE, IF REQUIRED. CASEWORK VENDOR TO PROVIDE INSTALLATION AND COORDINATION OF FURNITURE COMPONENTS OF BASE CABINETS, WALL C CASEWORK. REFER TO SPECIFICATION SECTION: 123553 - LABORATORY CASEWORK - FOR DELIVERY DEADLINE AND LIQUIDATED DAMAGES RELATED TO DELIVERY DEADLINE. GENERAL CONTRACTOR BIDDING TO INCLUDE DEMOLITION OF EXISTING CONDITIONS AS NOTED, ANY NECESSARY PREP FOR INSTALLATION OF CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK VENDOR AND THE INSTALLATION OF INTEGRAL SINKS, AS LISTED IN SPECIFICATION SECTION 123553 - LABORATORY CASEWORK.





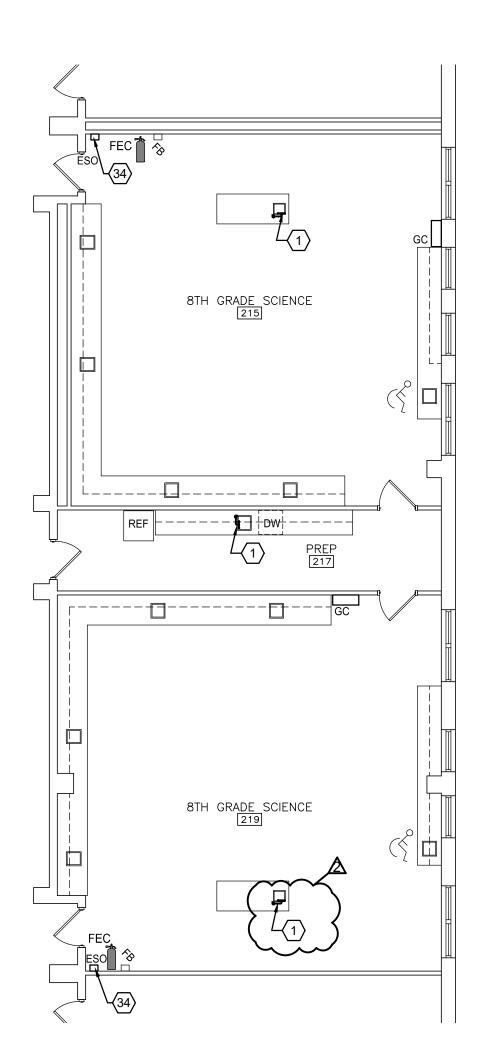
- 12. WHERE DEMOLITION OR NEW WORK AFFECTS C UNDAMAGED TILE AND GRID OR REPLACE WITH



CGMS - 7TH GRADE WING FLOOR PLAN A101 SCALE: 1/8" = 1'-0"

	<b>KEYED NOTES</b> (ALL NOTES DO	O NOT APPLY)
9. WHERE SLAB CUTS OCCUR TO PERFORM NEW WORK: PATCH CONCRETE FLOOR AS FOLLOWS: LEVEL EXISTING SUB-GRADE AND TAMP TO ACHIEVE SUITABLE COMPACTION. INSTALL 67 STONE FILL UP TO THE LEVEL OF THE BOTTOM OF THE EXISTING SLAB AND INSTALL A 15MIL VAPOR BARRIER WITH TURNED UP EDGES AT THE FACE OF THE EXISTING SLAB. HOLD IN PLACE WITH TAPE. INSTALL NON-SHRINK CONCRETE AND TOOL TO A SMOOTH FINISH LEVEL WITH THE EXISTING SLAB. PROVIDE EXPANSION MATERIAL BETWEEN THE EXISTING WALL AND NEW NON-SHRINK CONCRETE	<ol> <li>NEW EYEWASH, EYEWASH WITH DRENCH HOSE, OR DECK MOUNTED EYE WASH. COORDINATE TYPE WITH PLUMBING DRAWINGS AND SCHEDULE</li> <li>NEW FUME HOOD</li> </ol>	10. ALTERNATE #2: COORDINATE IN SCIENCE CASEWORK, COUNTE FINISHES. PROVIDE AND COOR WORK WITH PME ALTERNATE # NOTES AND KEYNOTES APPLY.
INFILL. 10. WHERE DEMOLITION OR NEW WORK AFFECTS WALLS: PATCH, REPAIR AND INFILL SURFACES AS	3. NEW WALL-MOUNTED EMERGENCY SHOWER. SEE PLUMBING DRAWINGS	11. NEW TALL LOCKING CABINETS. WITH BOLTS, SCREWS OR OTHI
NECESSARY TO MAINTAIN CONTINUITY OF ORIGINAL FINISHES AND ANY UL ASSEMBLY RATINGS. 11. FOR ANY EXTERIOR WALL OR ROOF PENETRATIONS: PATCH AND REPAIR ASSEMBLIES TO MAINTAIN	<ol> <li>NEW EPOXY-RESIN SINKS WITH SINK COVERS. SEE PLUMBING DRAWINGS.</li> </ol>	12. RELOCATED SMART BOARD / TA 1/A201
ORIGINAL ENERGY EFFICIENCY CONSTRUCTION AND/OR IN COMPLIANCE WITH MANUFACTURER WARRANTY PENETRATION DETAILS.	<ol> <li>NEW SPARK FREE REFRIGERATOR</li> <li>NEW GOGGLE SANITIZER CABINET. MOUNT AT 3'-4" AFF</li> </ol>	<ol> <li>NEW COAT HOOKS. SEE ROOM HEIGHTS. BASIS OF DESIGN: BO HAT AND COAT HOOK, SATIN FI</li> </ol>
12. WHERE DEMOLITION OR NEW WORK AFFECTS CEILING FINISHES: REPAIR WITH ORIGINAL UNDAMAGED TILE AND GRID OR REPLACE WITH NEW TO MATCH EXISTING.	7. NEW DISHWASHER. SEE SIGNAGE DRAWING FOR REQUIRED SIGN	14. RELOCATED CABINET. MECHAN BOLTS, SCREWS OR OTHER DE
	8. CONTRACTOR TO REPAIR THRU WALL/ROOF PENETRATIONS AT NEW FUME HOODS. COORDINATE LOCATION WITH PME DRAWINGS.	15. NEW WOOD CABINETRY WITH E MECHANICALLY ATTACH CABIN
	9. ALTERNATE #1: INSTALL NEW FUME HOOD	OR OTHER DEVICES





<u>3</u> CGMS - 8TH GRADE WING FLOOR PLAN A101 SCALE: 1/8" = 1'-0"

#### INSTALLATION OF OWNER PROVIDED ERTOPS, SINKS, AND RELATED RDINATE DEMOLITION AND NEW #2. ALL DEMOLITION AND NEW WORK

. MECHANICALLY ATTACH TO WALL HER DEVICES

FACK BOARD / WHITE BOARD. SEE

ELEVATIONS FOR MOUNTING OBRICK B-682, SURFACE-MOUNTED INISH STAINLESS STEEL NICALLY ATTACH TO WALL WITH

EVICES EPOXY-RESIN COUNTER TOPS.

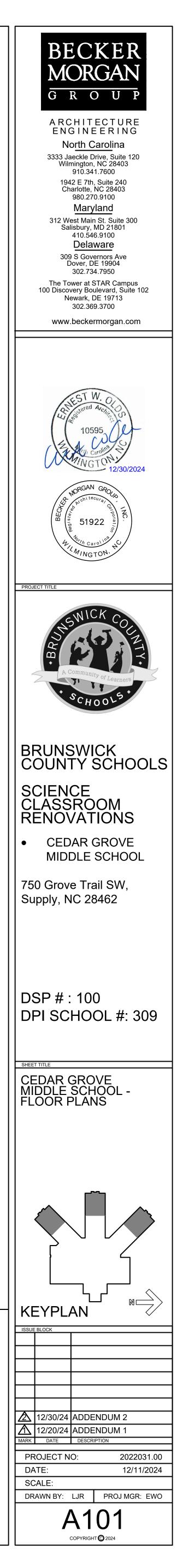
NETS TO WALL WITH BOLTS, SCREWS

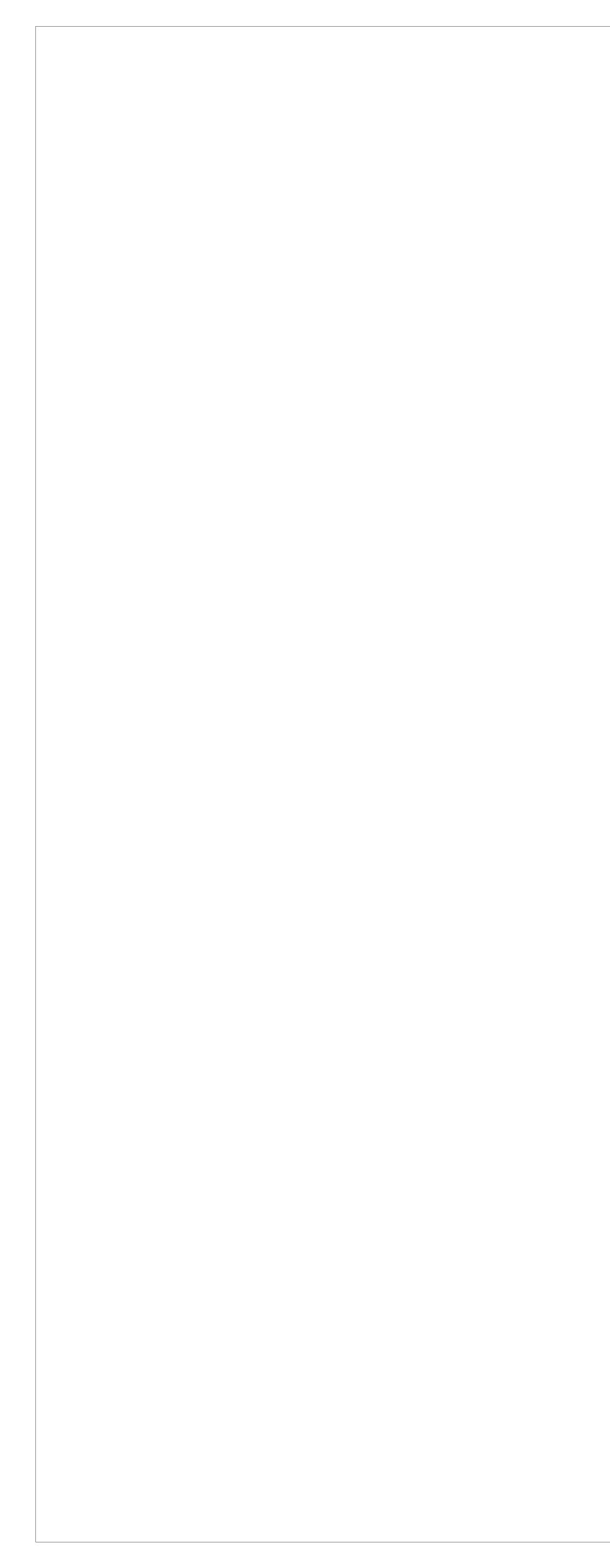
16. NOT USED

- 17. RELOCATED OR NEW SAFETY EQUIPMENT AND SIGNAGE
- 18. PAINT ALL WALLS THIS ROOM AND INSTALL NEW RUBBER COVE BASE
- 19. NEW EPOXY-RESIN COUNTER TOP
- 20. NEW WOOD CABINETRY, EPOXY-RESIN COUNTERTOP AND EPOXY-RESIN SINK. MECHANICALLY ATTACH CABINETS TO WALL WITH BOLTS, SCREWS OR OTHER DEVICES
- 21. NEW 6" STL. STUD WALL WITH EPOXY-RESIN TOP. SEE ELEVATIONS
- 22. NEW FIRE EXTINGUISHER CABINET
- 23. NEW EXPOXY-RESIN PEGBOARD
- 24. NEW WHITE BOARD. SEE 1/A201
- 25. EXISTING LAB TABLE, RELOCATED

26. NOT USED

- 27. EXISTING LOCKERS, RELOCATED
- 28. WHEELED PLASTIC TUB CART FOR CHEMICAL TRANSFER. SEE SPECIFICATIONS
- 29. NOT USED
- 30. NOT USED
- 31. RELOCATED OR NEW SAFETY CABINETS. SEE ELEVATIONS
- 32. NOT USED
- 33. PAINT NEW WALL AND INSTALL RCB
- 34. NEW EMERGENCY SHUT-OFF BUTTON. SEE ELECTRICAL DRAWINGS
- 35. ACCESSIBLE SHOWER/EYE WASH. COORDINATE WITH PLUMBING DRAWINGS AND SCHEDULE
- 36. NO BASE CABINETS. LEAVE OPEN FOR CLEAN-OUT ACCESS





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUI AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- 2. CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTA RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES PLUMBING SYSTEMS.
- 4. CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA
- NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- 5. PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AN CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTAI
- 6. SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMP
- 7. PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENERA CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.
- COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON THE SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADE
- PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, I INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRAN MAINTENANCE AND SERVICING OF EQUIPMENT.
- LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AC
   STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB BI 12. CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN
- SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORK 13. RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVID
- PRIOR TO FINAL INSPECTION. 14. EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICAT RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. V ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- C. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT. EXISTING FINISHES AS REQUIRED.
- D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARE ACCOMMODATE INTERFERENCES.

# PLUMBING DEMOLITION NOTES:

1. THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUIR COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSORIE ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOW REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED T
 THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DR
 OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORI
 CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION

4. WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IN UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

5. PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN T PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE REQ SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPO

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMP</u> SOME UNUSUAL CONDITIONS MAY EXIST.

AINTAIN SERVICE.

	PLUI	MBING FIXTURE SCHEDULE									
		GFIXTURE	DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES	PIPE SIZ	Έ		
_						MANUFACTURERS		DCW	DHW	WASTE	VENT
		DRENCH SHOWER	DUAL PURPOSE EYEWASH/DRENCH HOSE FOR DECK MOUNTING. UNIT MUST MEET THE PROVISIONS OF ANSI Z358.1-2014 AS BOTH AN EYEWASH AND A DRENCH HOSE. PROVIDE FLEXIBLE STAINLESS STEEL HOSE AND UNDERCOUNTER HOSE GUIDE BRACKET.	GUARDIAN	<u>G5022</u>	BRADLEY, SPEAKMAN	1	1/2"	-	-	-
	NOTES	1. THE HOSE MUST NOT BIND UNDERNEATH THE COUNT	ER. THERE MUST BE NO SHARP EDGES, COURNERS OR OBJECTS THAT CAN RUB AGAINST THE HOSE. MAKE SU	RE THAT THE UNIT IS A	CCESSIBLE FROM THE FRONT ED	GE OF THE COUNTER ON WH	HICH IT IS I	NSTALLE	D.		

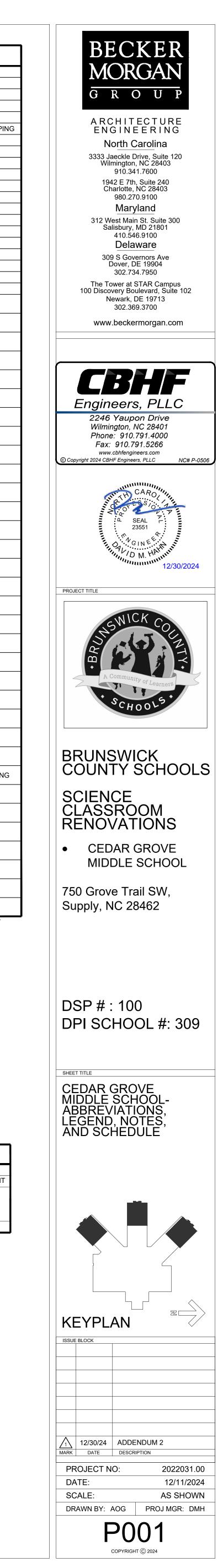
	PLUM
JIRED FOR PLUMBING SYSTEMS. LABOR	(X)
STEMS SHOWN ON DIAGRAMMATIC IN THE PLUMBING INSTALLER UNLESS GALLATION. HOWEVER, CONTRACTOR IS STO OBTAIN FULLY FUNCTIONING AR AS THEY APPLY: IND PAY FOR SAME. FURNISH A FINAL ANCE OF THE WORK. IPLETION AND FINAL INSPECTION. RAL CONTRACTOR. UNDER NO THE DRAWINGS ARE APPROXIMATE UNLESS DES. VERIFY ACTUAL BUILDING STRUCTURE PIPING, ETC. AS REQUIRED TO PROPERLY INGEMENT AND TO FACILITATE PROPER IGENCY WHERE REQUIRED. IS MATERIALS TO BE INSTALLED UNDER SEFORE ANY MATERIAL MAY BE RECEIVED. IN, REPLACE OR REPAIR ALL SURFACES KING CONDITIONS. IDE DRAWINGS TO ARCHITECT/ENGINEER TED IS DEVELOPED FROM EXISTING VERIFY ALL EXISTING CONDITIONS AND I. PROVIDE CUTTING AND PATCHING FOR RANGEMENTS AS REQUIRED TO IREMENTS AND LAYOUT HIS WORK IN A RES, ETC. MADE OBSOLETE BY THESE DWN, HOWEVER, THIS CONTRACTOR SHALL GINEER. SURVEY THE AFFECTED AREAS TO BE REMOVED. RAWINGS AND LIMITED FIELD VERIFICATION RECT. NOTWITHSTANDING, THE PLUMBING INS AFFECTING HIS WORK. PREMISES, THEY SHALL REMAIN OR BE MMEDIATELY IF SUCH CONDITIONS ARE I TEM IN OPERATION THROUGHOUT THE GUIRED PRIOR TO ANY OUTAGE OF	AAV
	A.F.F.
AN THE PLUMBING INSTALLER UNLESS	A.R.C.I.
	ADA
TALLATION. HOWEVER, CONTRACTOR IS	BRZ.
ES TO OBTAIN FOLLY FUNCTIONING	BT
	C.I.
ARAS INET AFFET.	CO
	CONC.
AND PAY FOR SAME FURNISH A FINAL	DCW
ANCE OF THE WORK.	DHW
MPLETION AND FINAL INSPECTION.	DIA.
	E.C.I.
RAL CONTRACTOR. UNDER NO	EC
	EWC
DES. VERIFY ACTUAL BUILDING STRUCTURE	EWH
, PIPING, ETC. AS REQUIRED TO PROPERLY	FCO
	FD
ANGEMENT AND TO FACILITATE PROPER	FS
	GA.
AGENCY WHERE REQUIRED.	GAL.
IG MATERIALS TO BE INSTALLED UNDER	GC
DEFORE ANT MATERIAL MAY DE RECEIVED.	GCO
AN, REPLACE OR REPAIR ALL SURFACES	GPF
	GPH
/IDE DRAWINGS TO ARCHITECT/ENGINEER	GPM
	GWH
	HB
ATED IS DEVELOPED FROM EXISTING	INCL.
. VERIFT ALL EXISTING CONDITIONS AND	KS
	LAV
	LP
I. PROVIDE CUTTING AND PATCHING FOR	MS
	NAT.
RRANGEMENTS AS REQUIRED TO	NKL.
	NON SIMULT
	O.F.L.C.
	OB
	OC
	ORDL
	PC
	PRESS. BAL
UIREMENTS AND LAYOUT HIS WORK IN A	RCVY.
OWN, HOWEVER, THIS CONTRACTOR SHALL	RDL
NGINEER. SURVEY THE AFFECTED AREAS	SA
	SH
TO BE REMOVED.	SK
RAWINGS AND LIMITED FIELD VERIFICATION	SLD.
DNS AFFECTING HIS WORK.	SS
F PREMISES THEY SHALL REMAIN OR BE	TDH
IMMEDIATELY IF SUCH CONDITIONS ARE	UR
	V
EQUIRED PRIOR TO ANY OUTAGE OF	VB
MPORARY CONNECTIONS AS REQUIRED TO	VC
	VR
IPLETELY DEPICTED ON THE DRAWINGS AND	VTR
	W
	WC
	WCO

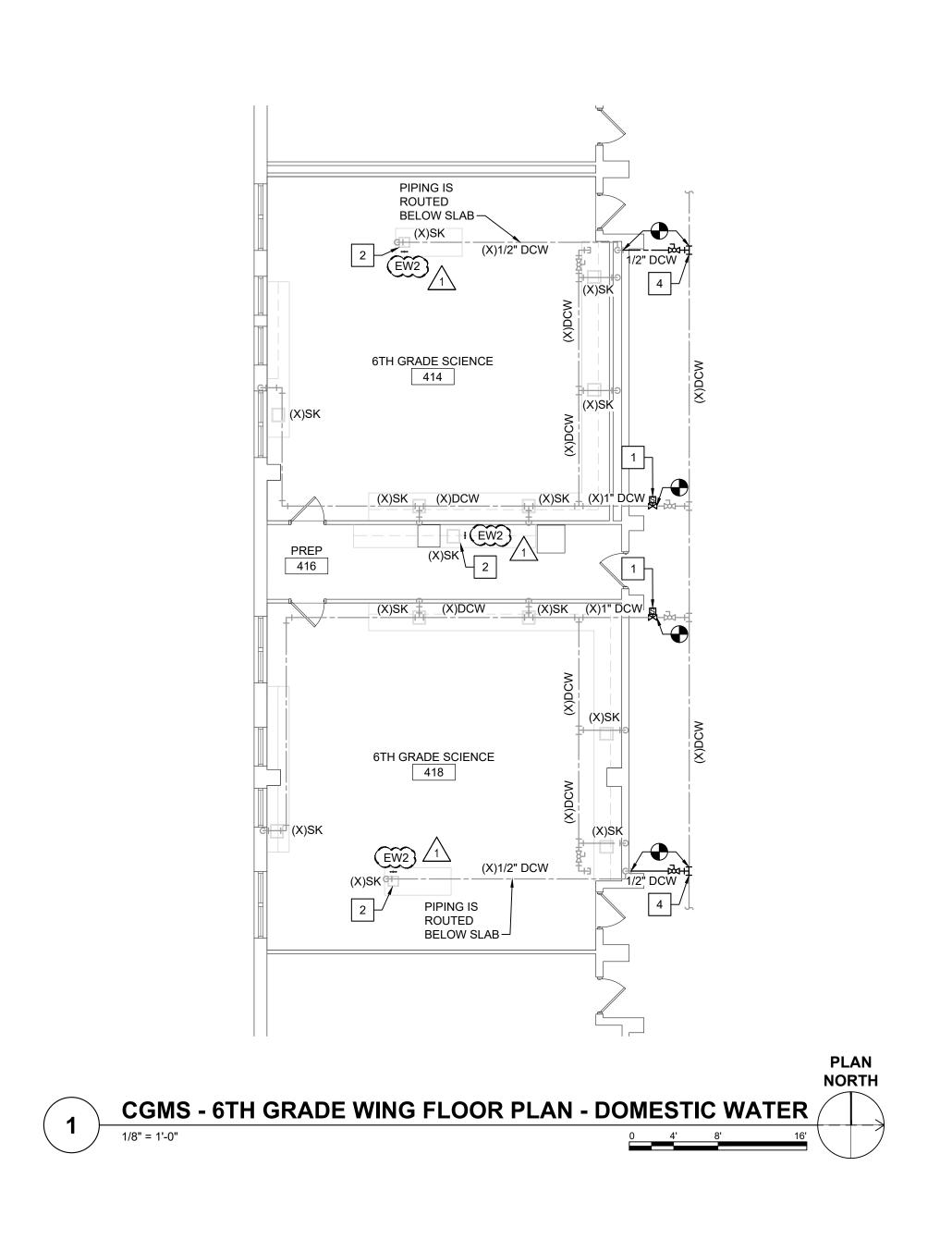
## PLUMBING ABBREVIATIONS

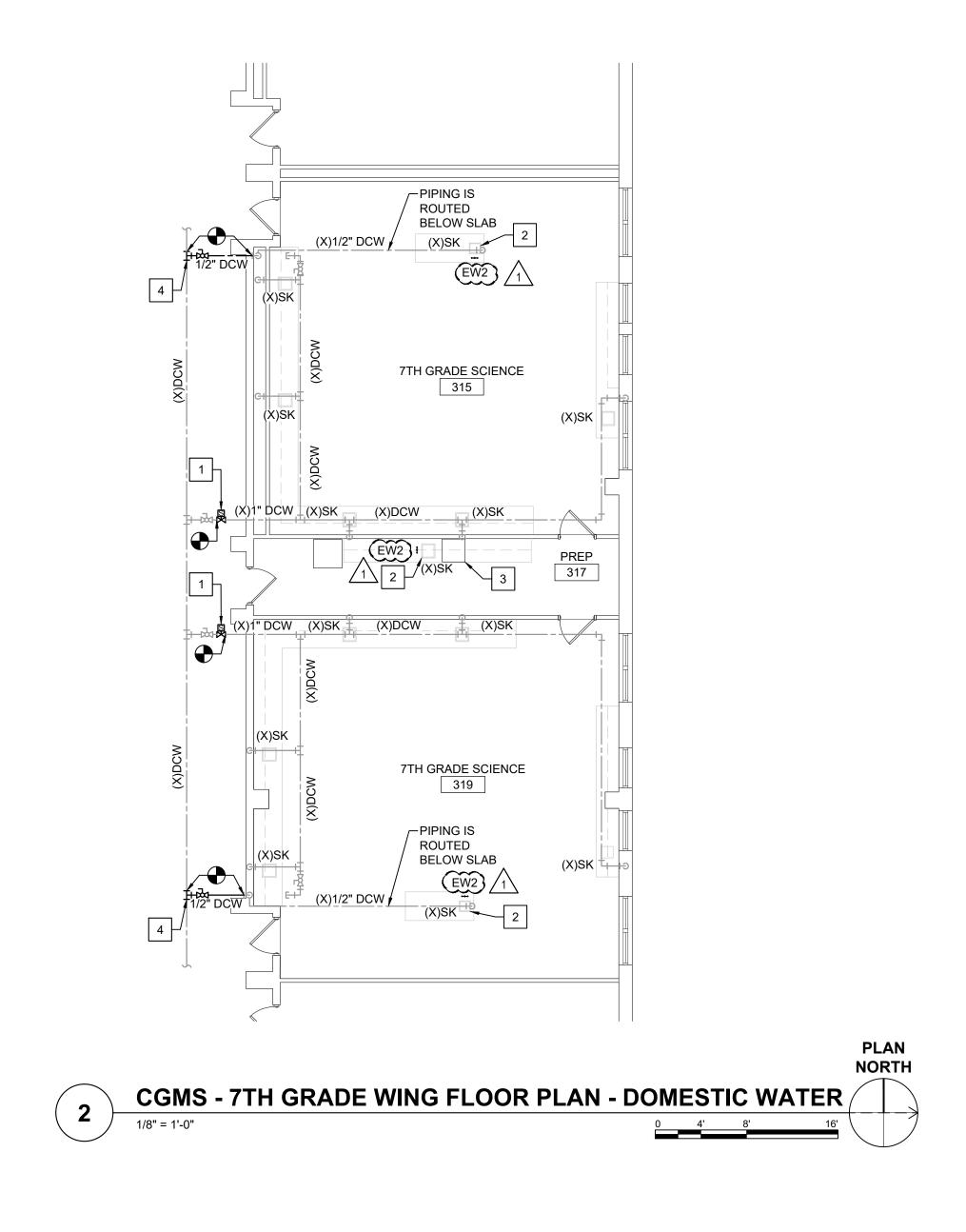
<)	EXISTING
AV	AIR ADMITTANCE VALVE
F.F.	ABOVE FINISHED FLOOR
R.C.I.	ACID RESISTANT CAST IRON
DA	AMERICANS WITH DISABILITIES ACT
RZ.	BRONZE
Т	BATHTUB
.l.	CAST IRON
0	CLEANOUT
ONC.	CONCRETE
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
IA.	DIAMETER
.C.I.	ENAMELED CAST IRON
C	ELECTRICAL CONTRACTOR
WC	ELECTRIC WATER COOLER
WH	ELECTRIC WATER HEATER
CO	FLOOR CLEANOUT
D	
S	FLOOR SINK
iA.	GAUGE
iAL.	GALLON
iC	GENERAL CONTRACTOR
ico	GRADE CLEANOUT
iPF	GALLONS PER FLUSH
iPH	GALLONS PER HOUR
iРМ	GALLONS PER MINUTE
WH	GAS-FIRED WATER HEATER
В	HOSE BIBB
ICL.	INCLUDED
S	KITCHEN SINK
AV	LAVATORY
P	LIQUID PROPANE
IS	MOP SERVICE BASIN
AT.	NATURAL GAS
KL.	NICKEL
ON SIMULT.	NON SIMULTANEOUS
0.F.L.C.	OPEN FRONT LESS COVER
)B	OUTLET BOX
)C	ON CENTER
RDL	OVERFLOW ROOF DRAIN LEADER
C	PLUMBING CONTRACTOR
C RESS. BAL.	
CVY.	PRESSURE BALANCED
DL	
A	
H	SHOWER
K	SINK
LD.	SLIDE
S	STAINLESS STEEL
DH	TOTAL DYNAMIC HEAD
R	URINAL
,	VENT
Έ	
В С	
R	
TR	VENT THROUGH ROOF
V 10	WASTE
VC	WATER CLOSET
VCO	WALL CLEANOUT
νH	WALL HYDRANT
OTE: ALL AB	BREVIATIONS MAY NOT BE USED IN PROJECT.

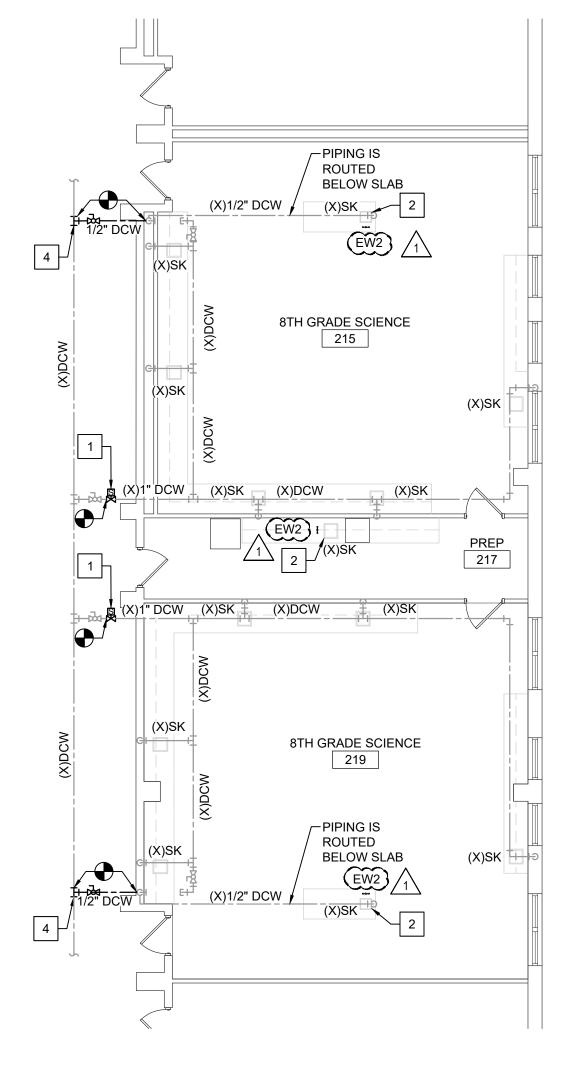
#### PLUMBING LEGEND

PLUMBING LEGE	ND
CA	COMPRESSED AIR PIPING
CC 140°F	CONDENSATE PIPING DOMESTIC 140°F WATER PIPING
140 F 140°R	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPIN
	DOMESTIC HOT WATER PIPING FILTERED WATER PIPING
FW SP	FIRE SPRINKLER PIPING
	FORCE MAIN PIPING
NG	GAS PIPING (NAT. OR LP)
GW	GREASE WASTE PIPING NITROUS OXIDE PIPING
N2 02	O2 (0XYGEN) PIPING
OD	OVERFLOW ROOF DRAIN PIPING
RD	
	SANITARY VENT PIPING SANITARY WASTE PIPING
TT	TEPID WATER PIPING
VAC	VACUUM PIPING
	BACKFLOW PREVENTION DEVICE
k	BALL VALVE
N	CHECK VALVE
Ċ	CIRCUIT SETTER (BALANCING VALVE)
p	CIRCULATION PUMP
& 	CONTROL VALVE
	EXTENT OF DEMOLITION
FCOO	
FD C	
FS F	GAS-REGULATOR VALVE
X	GATE VALVE
► <b>©</b> ₩	GATE VALVE IN RISER
GCOD	GRADE CLEANOUT
	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
+ <b>0</b>	PIPE ELBOW UP
	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP(P)FM	SUMP PUMP
<u> </u>	DEMOLITION KEYED NOTE TAG
<u>ج</u> ر جر	
	SOLENOID VALVE
WCOI	WALL CLEANOUT
WH	WALL HYDRAN I WASHING MACHINE BOX
•	WASHING MACHINE BOX



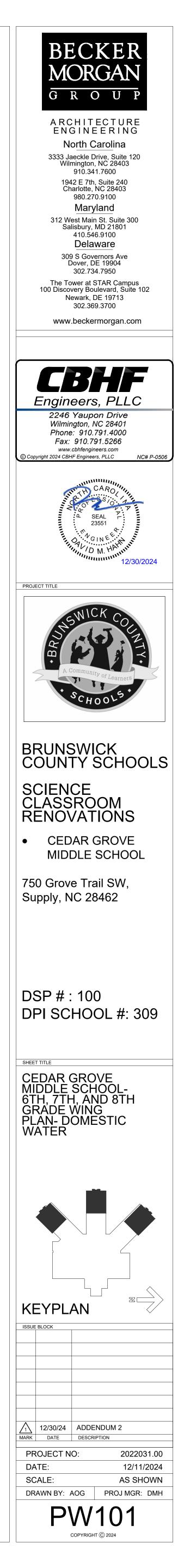


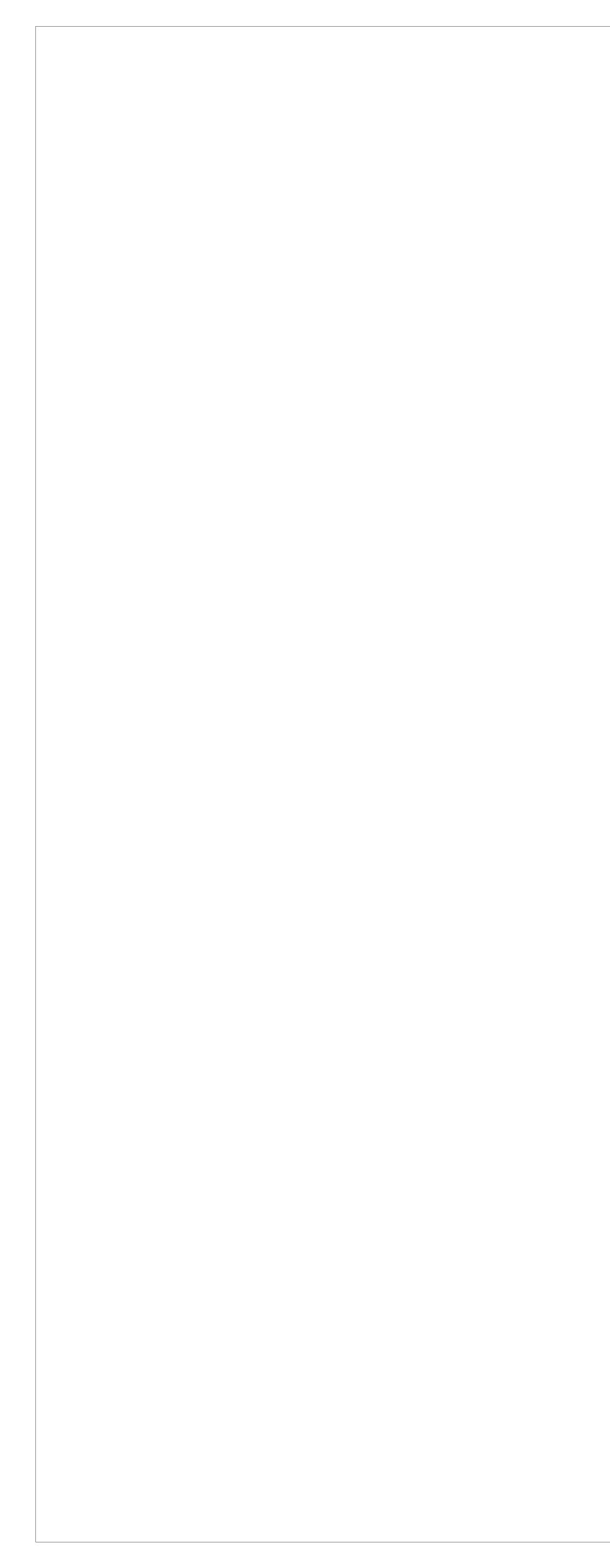






KE	YED NOTES
1	PROVIDE AND INSTALL 1" DCW 2-POSITION EMERGENCY SHUTOFF BALL VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH.
2	EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE EW2.
3	RECONNECT DISHWASHER DOMESTIC WATER AND WASTE CONNECTIONS. PROVIDE AND INSTALL TEE AND 1/2" DCW BRANCH TO SERVE EW2 ONLY.





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUI AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTA RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS.
- PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AN CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTA
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMP
- PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENERA CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.
- COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON T SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADE PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, FI
- INSTALL EQUIPMENT. EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRAN
- MAINTENANCE AND SERVICING OF EQUIPMENT. ). LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AG
- STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB B
- . CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN
- SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORK . RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVID PRIOR TO FINAL INSPECTION.
- 4. EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICAT RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- C. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT. EXISTING FINISHES AS REQUIRED.
- D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARE ACCOMMODATE INTERFERENCES.

### **GENERAL PLUMBING DEMOLITION NOTES**

THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUI OMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSOR LTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOW REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED T THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DR F EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORI CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION

WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IN UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN ROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE REC SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEM

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMP</u> SOME UNUSUAL CONDITIONS MAY EXIST.

			DESCRIPTION				
		BOWL	14"x14" LAB SINK, CORNER DRAINED, EPO>				
SK2 SINK 2 COMBINATION EYE/FACE WASH DRENCH SHOWER 1. PROVIDE BRASS 1-1/2" TAILPIECE 2. COORDINATE WITH MILLWORK. 3. COORDINATE ADA MILLWORK EN 4. PROVIDE 1/2" IPS X 3/8" OD ANGLI	FAUCET	SINGLE TEMPERATURE LABORATORY FAU HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH					
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW				
		BOWL	16"x12" LAB SINK, CORNER DRAINED, EPO>				
SK2 1-COMPARTMENT COUNTERTOP LAB SINK 2	FAUCET	SINGLE TEMPERATURE LABORATORY FAU HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH					
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW				
EW2		FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE ANSI Z358.1-2014 AS BOTH AN EYEWASH A HOSE AND UNDERCOUNTER HOSE GUIDE				
NOTE	S 1. PROVIDE BRASS 1-1/2" TAILPIECE, C	1. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE /					
	2. COORDINATE WITH MILLWORK.						
	3. COORDINATE ADA MILLWORK ENCLOSURE FOR WATER AND DRAIN PIPING UNDER SINK.						
	4. PROVIDE 1/2" IPS X 3/8" OD ANGLE E	BRASS STOP(S	S) WITH RIGID COPPER RISERS. ALL EXPOSED F				
	5. THE HOSE MUST NOT BIND UNDERN	NEATH THE CO	OUNTER. THERE MUST BE NO SHARP EDGES, CO				

	PLUMB	SING ABBREVIATIONS
O FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
IS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITTANCE VALVE
	A.F.F.	ABOVE FINISHED FLOOR
HE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESISTANT CAST IRON
ATION HOWEVER CONTRACTOR IS	ADA	AMERICANS WITH DISABILITIES ACT
O OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	ВТ	BATHTUB
S THEY APPLY:	C.I.	CAST IRON
	CO	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC COLD WATER
E OF THE WORK.	DHW	DOMESTIC HOT WATER
	DIA.	DIAMETER
	E.C.I.	ENAMELED CAST IRON
CONTRACTOR. UNDER NO	EC	ELECTRICAL CONTRACTOR
	EWC	ELECTRIC WATER COOLER
VERIFY ACTUAL BUILDING STRUCTURE	EWH	ELECTRIC WATER HEATER
S SHOWN ON DIAGRAMMATIC E PLUMBING INSTALLER UNLESS TION. HOWEVER, CONTRACTOR IS OBTAIN FULLY FUNCTIONING S THEY APPLY: AY FOR SAME. FURNISH A FINAL OF THE WORK. TION AND FINAL INSPECTION. ONTRACTOR. UNDER NO RAWINGS ARE APPROXIMATE UNLESS VERIFY ACTUAL BUILDING STRUCTURE IG, ETC. AS REQUIRED TO PROPERLY MENT AND TO FACILITATE PROPER CY WHERE REQUIRED. TERIALS TO BE INSTALLED UNDER RE ANY MATERIAL MAY BE RECEIVED. PLACE OR REPAIR ALL SURFACES CONDITIONS. RAWINGS TO ARCHITECT/ENGINEER S DEVELOPED FROM EXISTING FY ALL EXISTING CONDITIONS AND VIDE CUTTING AND PATCHING FOR SEMENTS AS REQUIRED TO ENTS AND LAYOUT HIS WORK IN A ETC. MADE OBSOLETE BY THESE HOWEVER, THIS CONTRACTOR SHALL ER SURVED. NGS AND LIMITED FIELD VERIFICATION MISES, THEY SHALL REMAIN OR BE DIATELY IF SUCH CONDITIONS ARE MIN OPERATION THROUGHOUT THE REMOVED. MIN OPERATION THROUGHOUT THE REMONECTIONS AS REQUIRED TO	FCO	FLOOR CLEANOUT
	FD	
MENT AND TO FACILITATE PROPER	FS	FLOOR SINK
	GA.	GAUGE
	GAL.	GALLON
	GC	GENERAL CONTRACTOR
	GCO	
	GPF	GALLONS PER FLUSH
NG CONDITIONS. E DRAWINGS TO ARCHITECT/ENGINEER	GPH GPM	GALLONS PER HOUR GALLONS PER MINUTE
	GPM	GALLONS PER MINOTE
	HB	HOSE BIBB
D IS DEVELOPED FROM EXISTING	INCL.	
	KS	KITCHEN SINK
	LAV	LAVATORY
	LP	
VIDE CUTTING AND PATCHING FOR	MS	
	NAT.	NATURAL GAS
GEMENTS AS REQUIRED TO	NKL.	NICKEL
	NON SIMULT.	NON SIMULTANEOUS
	O.F.L.C.	OPEN FRONT LESS COVER
	ОВ	OUTLET BOX
	OC	ON CENTER
	ORDL	OVERFLOW ROOF DRAIN LEADER
	PC	PLUMBING CONTRACTOR
IENTS AND LAYOUT HIS WORK IN A ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE BALANCED
HOWEVER, THIS CONTRACTOR SHALL	RCVY.	RECOVERY
ER. SURVEY THE AFFECTED AREAS	RDL	ROOF DRAIN LEADER
	SA	WATER HAMMER ARRESTOR
	SH	SHOWER
	SK	SINK
,	SLD.	SLIDE
,	SS	STAINLESS STEEL
IATELY IF SUCH CONDITIONS ARE	ТDН	TOTAL DYNAMIC HEAD
	UR	URINAL
	V	VENT
	VB	VACUUM BREAKER
ELY DEPICTED ON THE DRAWINGS AND	VC	VITREOUS CHINA
	VR	VANDAL RESISTANT
	VTR	VENT THROUGH ROOF
	W	WASTE
	WC	WATER CLOSET
	WCO	WALL CLEANOUT
	WH	WALL HYDRANT

	EXISTING
AAV	AIR ADMITTANCE VALVE
A.F.F.	ABOVE FINISHED FLOOR
A.R.C.I.	ACID RESISTANT CAST IRON
ADA	AMERICANS WITH DISABILITIES ACT
BRZ.	BRONZE
BT	BATHTUB
C.I.	CAST IRON
СО	CLEANOUT
CONC.	CONCRETE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DIA.	DIAMETER
E.C.I.	ENAMELED CAST IRON
EC	
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
GA.	GAUGE
GAL.	GALLON
-	
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWH	GAS-FIRED WATER HEATER
НВ	HOSE BIBB
INCL.	INCLUDED
KS	KITCHEN SINK
LAV	LAVATORY
LP	LIQUID PROPANE
MS	MOP SERVICE BASIN
NAT.	NATURAL GAS
NKL.	NICKEL
NON SIMULT.	NON SIMULTANEOUS
O.F.L.C.	OPEN FRONT LESS COVER
OB	OUTLET BOX
OC	ON CENTER
ORDL	OVERFLOW ROOF DRAIN LEADER
PC	PLUMBING CONTRACTOR
PRESS. BAL.	PRESSURE BALANCED
RCVY.	RECOVERY
RDL	ROOF DRAIN LEADER
SA	WATER HAMMER ARRESTOR
SH	SHOWER
SK	SINK
SLD.	SLIDE
SS	STAINLESS STEEL
TDH	TOTAL DYNAMIC HEAD
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VC	VITREOUS CHINA
VR	VANDAL RESISTANT
VTR	
W	WASTE
,	WATER CLOSET
WC	
WC WCO	WALL CLEANOUT

PLUMBING LEGEND
-----------------

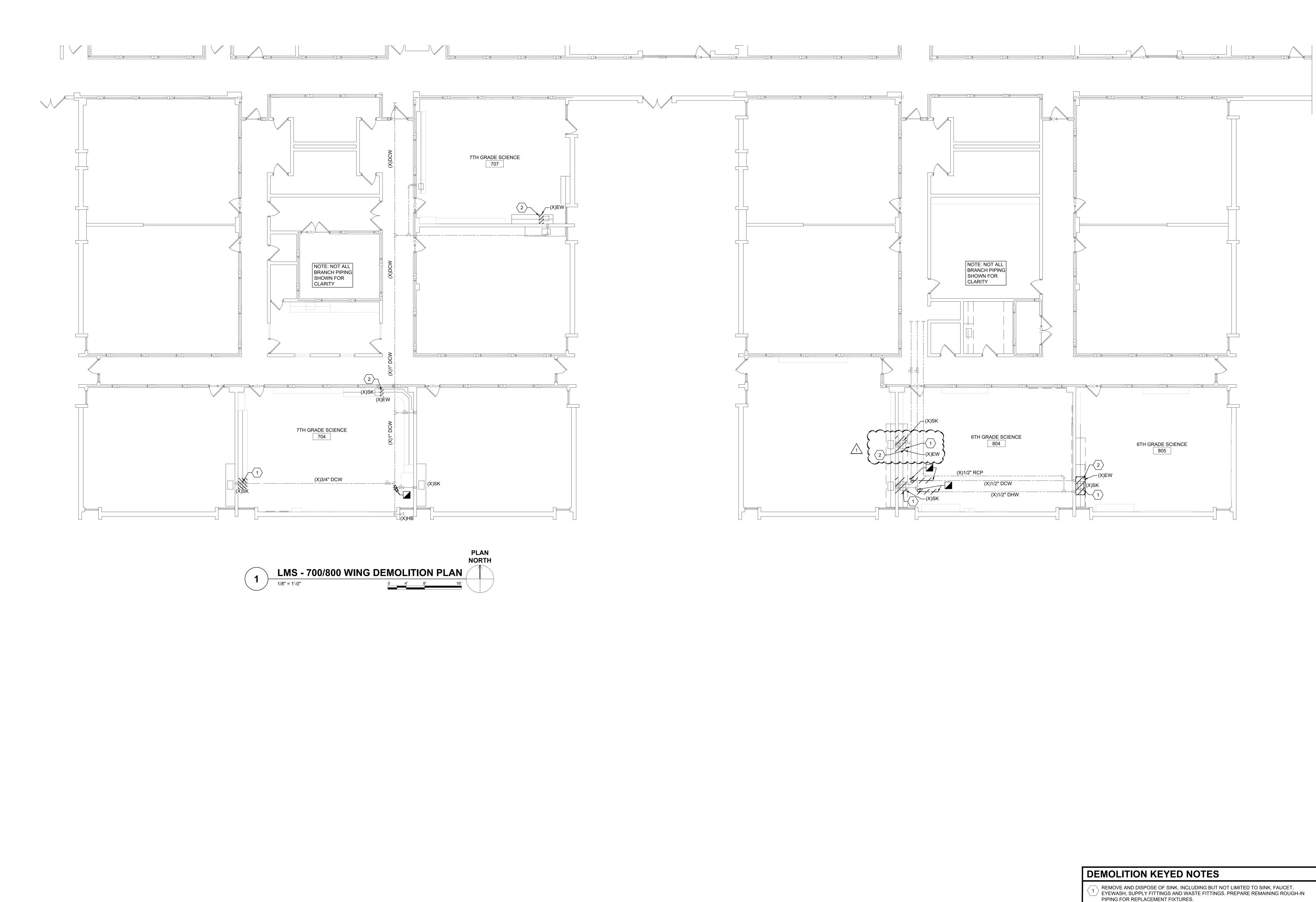
PLUMBING LEGE	UN DI
CA	COMPRESSED AIR PIPING
CC	
140°F 140°R	DOMESTIC 140°F WATER PIPING DOMESTIC 140°F RETURN WATER PIPING
140 K	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPING
	DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING
SP	FIRE SPRINKLER PIPING
FM	
NG	GAS PIPING (NAT. OR LP) GREASE WASTE PIPING
GW N2	NITROUS OXIDE PIPING
	O2 (0XYGEN) PIPING
OD	OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING
	SANITARY VENT PIPING
	SANITARY WASTE PIPING
TT	TEPID WATER PIPING VACUUM PIPING
VAC	
<u> </u>	BACKFLOW PREVENTION DEVICE
	BALL VALVE
N	CHECK VALVE
B	CIRCUIT SETTER (BALANCING VALVE)
p	CIRCULATION PUMP
& 	CONTROL VALVE
	EXTENT OF DEMOLITION
FCOO	FLOOR CLEANOUT
FD C	FLOOR DRAIN
FS	FLOOR SINK
Q	GAS-REGULATOR VALVE
X	GATE VALVE
▶	GATE VALVE IN RISER
GCO	GRADE CLEANOUT
	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
+ <b>0</b>	PIPE ELBOW UP
Ť	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP (P) FM	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
1	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
\$	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCOI-	WALL CLEANOUT
	WALL HYDRANT
	WASHING MACHINE BOX
SUSTES ALL TREME FIGTED IN THIS C	CHEDULE MAY NOT BE USED IN PROJECT

NOTE: ALL ITEMS LISTED IN THIS SCHEDULE MAY NOT BE USED IN PROJECT

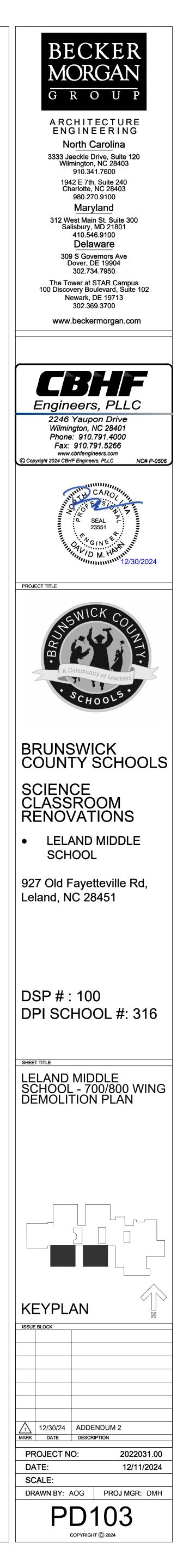
	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES	PIPE SIZE			
			MANUFACTURERS		DCW	DHW	WASTE	VENT
Y RESIN FINISH	DURCON	SNKD-A07	-					
CET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"	1/2"	2"	2"
VITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-					
Y RESIN FINISH	DURCON	SNKD-15C	-			1/2"	2"	2"
CET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"			
VITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
FOR DECK MOUNTING. UNIT MUST MEET THE PROVISIONS OF ND A DRENCH HOSE. PROVIDE FLEXIBLE STAINLESS STEEL BRACKET.	GUARDIAN	<u>G5022</u>	BRADLEY, SPEAKMAN	5	1/2"	-	-	-

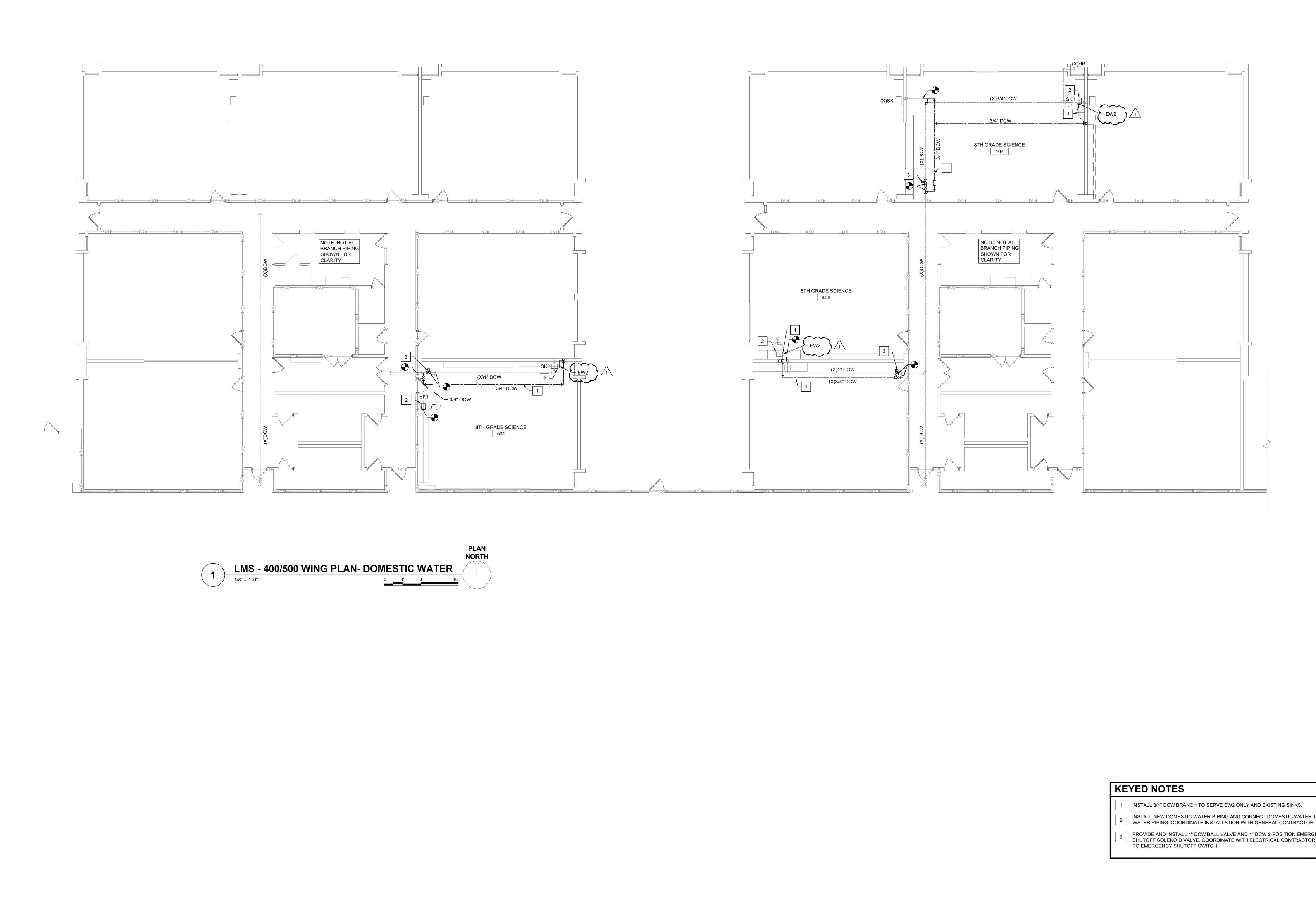
PIPING SHALL BE CHROME PLATED. URNERS OR OBJECTS THAT CAN RUB AGAINST THE HOSE. MAKE SURE THAT THE UNIT IS ACCESSIBLE FROM THE FRONT EDGE OF THE COUNTER ON WHICH IT IS INSTALLED.





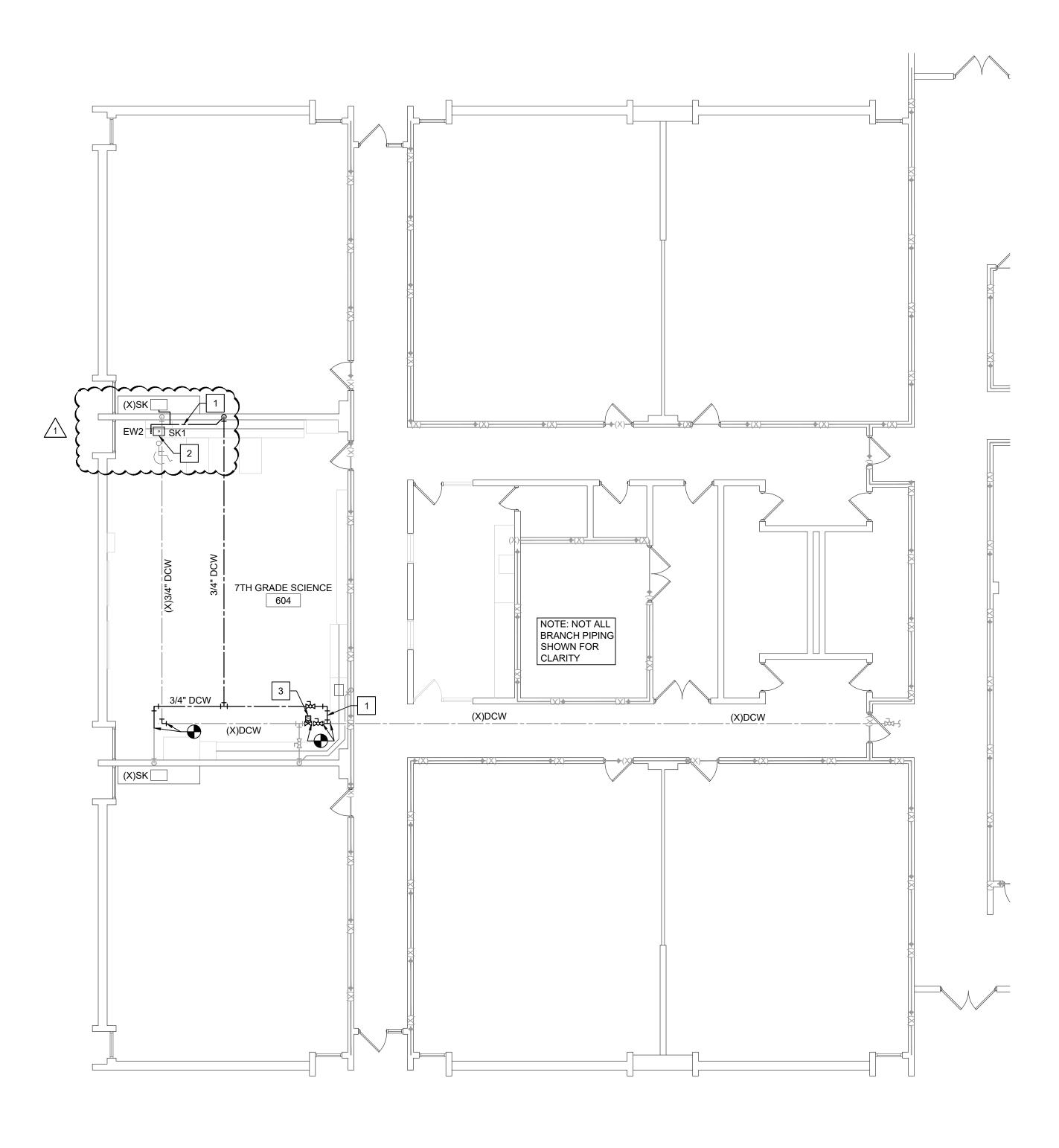
REMOVE AND DISPOSE OF EYEWASH. PROVIDE GROMMET FOR VACANT HOLE IN COUNTERTOP WHERE EYEWASH REMOVED..

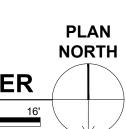




- 1 INSTALL 3/4" DCW BRANCH TO SERVE EW2 ONLY AND EXISTING SINKS.
- INSTALL NEW DOMESTIC WATER PIPING AND CONNECT DOMESTIC WATER TO EXISTING
- PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY SHUTOFF SOLENOID VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN









 LMS - 600 WING PLAN- DOMESTIC WATER

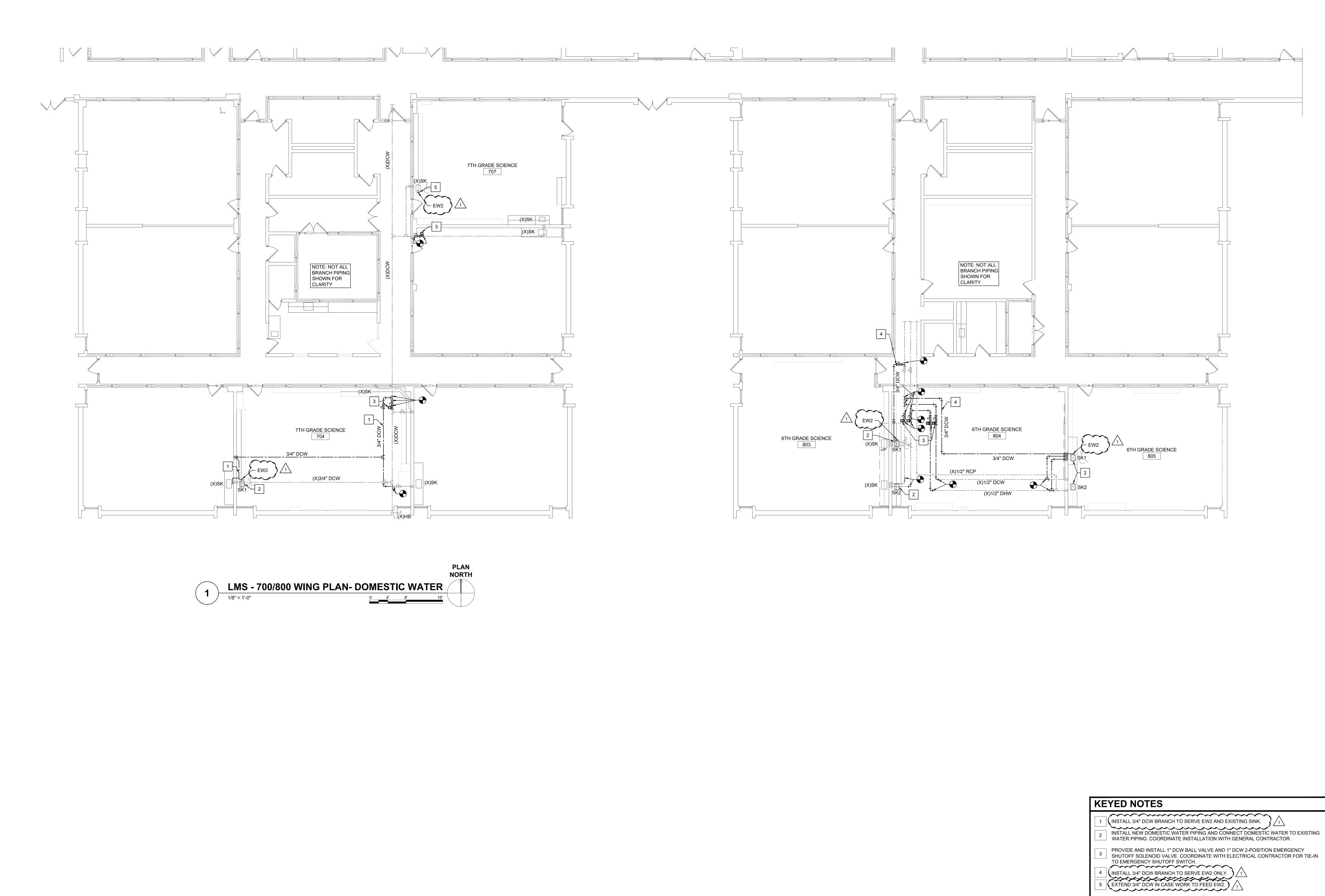
 1/8" = 1'-0"
 0
 4'
 8'
 16'

#### **KEYED NOTES**

- 1 INSTALL 3/4" DCW BRANCH TO SERVE EW2 ONLY AND EXISTING SINKS.
- 1
   INSTALL 3/4" DCW BRANCH TO SERVE EW2 ONLY AND EXISTING SINKS.

   INSTALL NEW DOMESTIC WATER PIPING AND CONNECT DOMESTIC WATER TO EXISTING
- WATER PIPING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
   PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY SHUTOFF SOLENOID VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH.





- PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY



- SURFACE. 8. CAULK ALL JOINT OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER AND THE INTERSECTION IS EXPOSED TO VIEW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- 7. PAINT BACK SIDES OF REMOVABLE ACCESS PANELS AND HINGED COVERS TO MATCH EXPOSED
- 6. TRANSITIONS OF FLOOR MATERIALS TO BE LOCATED AT CENTERLINE OF DOORS IN CLOSED POSITION; TYPICAL, UNLESS OTHERWISE NOTED.
- 5. CHASE WALLS SHALL MATCH ADJACENT CONSTRUCTION; TYPICAL, UNLESS OTHERWISE NOTED.

- INTERSECTIONS, CONNECTIONS, AND PENETRATIONS.
- DEVICES AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS.

3. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION

THE CONTRACTOR SHALL REVIEW AND COORDINATE THE SCHEDULING OF ALL CONSTRUCTION WITH THE BUILDING OWNER, SUBMIT DETAILED CONSTRUCTION SCHEDULE PRIOR TO DOING WORK INCLUDING PHASED CONSTRUCTION AND AFTER HOURS WORK.

2. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO ENSURE THAT SECURITY BETWEEN

CONSTRUCTION AREA AND AREAS WHICH ARE PUBLIC OR OTHERWISE OCCUPIED SHALL BE

4

A102 SCALE: 1/8" = 1'-0"

INFILL.

WARRANTY PENETRATION DETAILS.

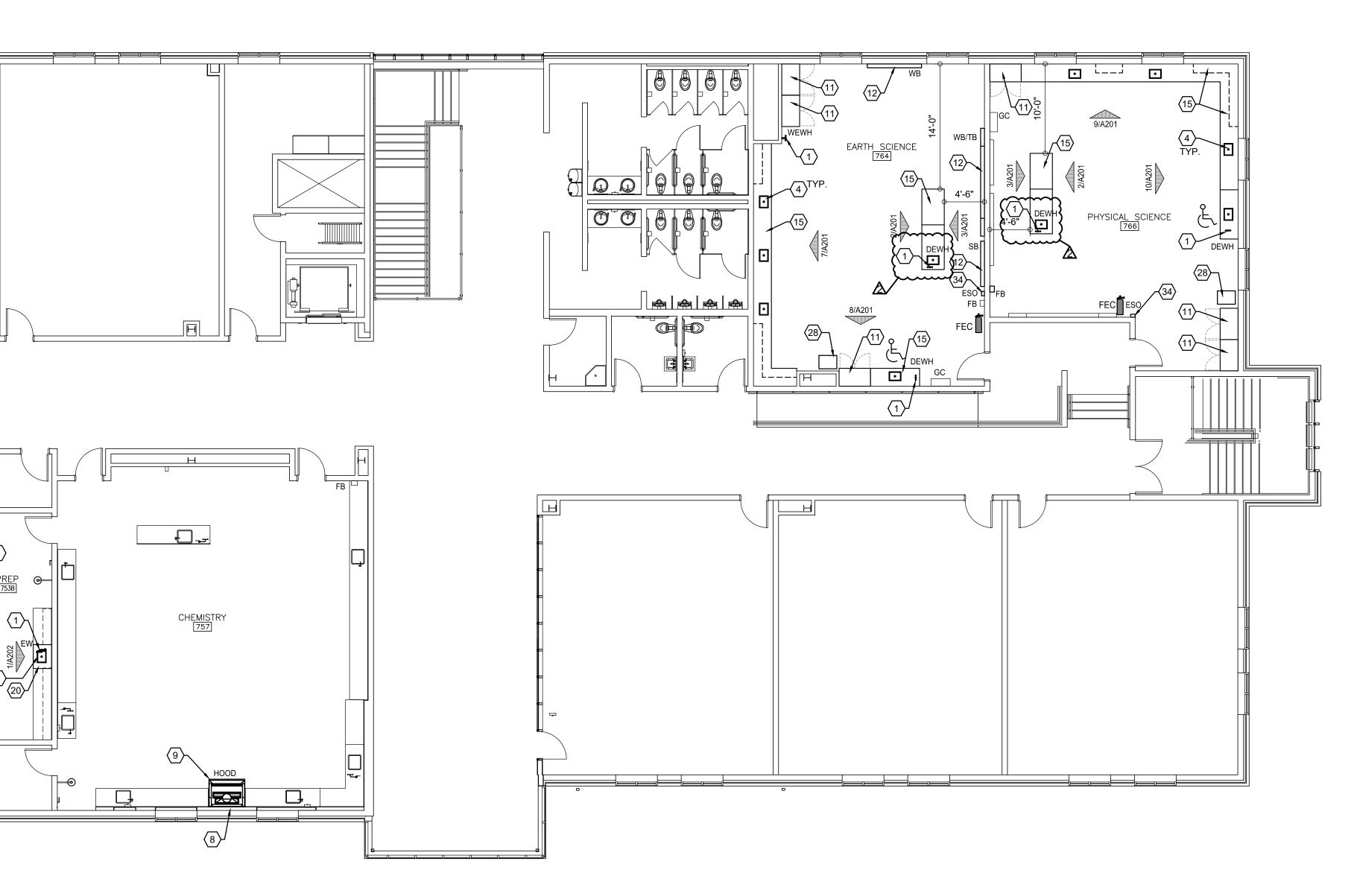
NO ARCH. WORK

- 4. THE CONTRACTOR SHALL MAINTAIN THE RATING OF ALL REQUIRED RATED WALLS AT ALL

PRICING AND BIDDING NOTES

GENERAL NOTES

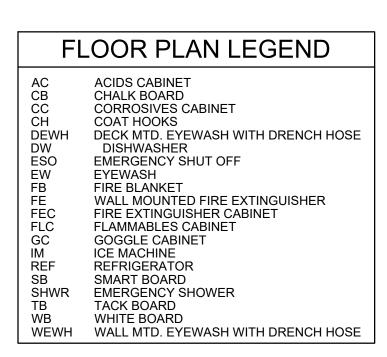
MAINTAINED.



NBHS - 700 BUILDING SECOND FLOOR PLAN

THE CASEWORK VENDOR PRICING TO INCLUDE FIELD MEASUREMENTS, THE FABRICATION OF AND COUNTERTOPS. ITEMS INCLUDED, BUT NOT LIMITED TO, SPECIFICATION SECTION 123553 - LABORATORY CASEWORK. REFER TO SPECIFICATION SECTION: 123553 - LABORATORY CASEWORK - FOR DELIVERY DEADLINE AND LIQUIDATED DAMAGES RELATED TO DELIVERY DEADLINE. GENERAL CONTRACTOR BIDDING TO INCLUDE DEMOLITION OF EXISTING CONDITIONS AS NOTED, ANY NECESSARY PREP FOR INSTALLATION OF CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK.

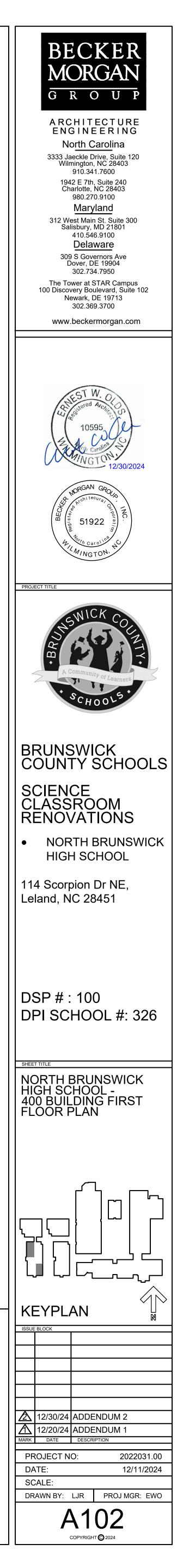
> 9. WHERE SLAB CUTS OCCUR TO PERFORM NEW WORK: PATCH CONCRETE FLOOR AS FOLLOWS: 1. NEW EYEWASH, EYEWASH WITH DRENCH HOSE, OR DECK 10. ALTERNATE #2: COORDINATE INSTALLATION OF OWNER PROVIDED LEVEL EXISTING SUB-GRADE AND TAMP TO ACHIEVE SUITABLE COMPACTION. INSTALL 67 STONE SCIENCE CASEWORK, COUNTERTOPS, SINKS, AND RELATED MOUNTED EYE WASH. COORDINATE TYPE WITH PLUMBING FILL UP TO THE LEVEL OF THE BOTTOM OF THE EXISTING SLAB AND INSTALL A 15MIL VAPOR DRAWINGS AND SCHEDULE FINISHES. PROVIDE AND COORDINATE DEMOLITION AND NEW BARRIER WITH TURNED UP EDGES AT THE FACE OF THE EXISTING SLAB. HOLD IN PLACE WITH TAPE. WORK WITH PME ALTERNATE #2. ALL DEMOLITION AND NEW WORK NOTES AND KEYNOTES APPLY. INSTALL NON-SHRINK CONCRETE AND TOOL TO A SMOOTH FINISH LEVEL WITH THE EXISTING SLAB. 2. NEW FUME HOOD PROVIDE EXPANSION MATERIAL BETWEEN THE EXISTING WALL AND NEW NON-SHRINK CONCRETE 11. NEW TALL LOCKING CABINETS. MECHANICALLY ATTACH TO WALL WITH BOLTS, SCREWS OR OTHER DEVICES 3. NEW WALL-MOUNTED EMERGENCY SHOWER. SEE PLUMBING DRAWINGS 10. WHERE DEMOLITION OR NEW WORK AFFECTS WALLS: PATCH, REPAIR AND INFILL SURFACES AS 4. NEW EPOXY-RESIN SINKS WITH SINK COVERS. SEE PLUMBING 12. RELOCATED SMART BOARD / TACK BOARD / WHITE BOARD. SEE NECESSARY TO MAINTAIN CONTINUITY OF ORIGINAL FINISHES AND ANY UL ASSEMBLY RATINGS. DRAWINGS. 1/A201 11. FOR ANY EXTERIOR WALL OR ROOF PENETRATIONS: PATCH AND REPAIR ASSEMBLIES TO MAINTAIN ORIGINAL ENERGY EFFICIENCY CONSTRUCTION AND/OR IN COMPLIANCE WITH MANUFACTURER 5. NEW SPARK FREE REFRIGERATOR 13. NEW COAT HOOKS. SEE ROOM ELEVATIONS FOR MOUNTING HEIGHTS. BASIS OF DESIGN: BOBRICK B-682, SURFACE-MOUNTED 6. NEW GOGGLE SANITIZER CABINET. MOUNT AT 3'-4" AFF HAT AND COAT HOOK, SATIN FINISH STAINLESS STEEL 12. WHERE DEMOLITION OR NEW WORK AFFECTS CEILING FINISHES: REPAIR WITH ORIGINAL 14. RELOCATED CABINET. MECHANICALLY ATTACH TO WALL WITH UNDAMAGED TILE AND GRID OR REPLACE WITH NEW TO MATCH EXISTING. 7. NEW DISHWASHER. SEE SIGNAGE DRAWING FOR REQUIRED SIGN BOLTS, SCREWS OR OTHER DEVICES 8. CONTRACTOR TO REPAIR THRU WALL/ROOF PENETRATIONS AT 15. NEW WOOD CABINETRY WITH EPOXY-RESIN COUNTER TOPS. NEW FUME HOODS. COORDINATE LOCATION WITH PME DRAWINGS. MECHANICALLY ATTACH CABINETS TO WALL WITH BOLTS, SCREWS 9. ALTERNATE #1: INSTALL NEW FUME HOOD OR OTHER DEVICES

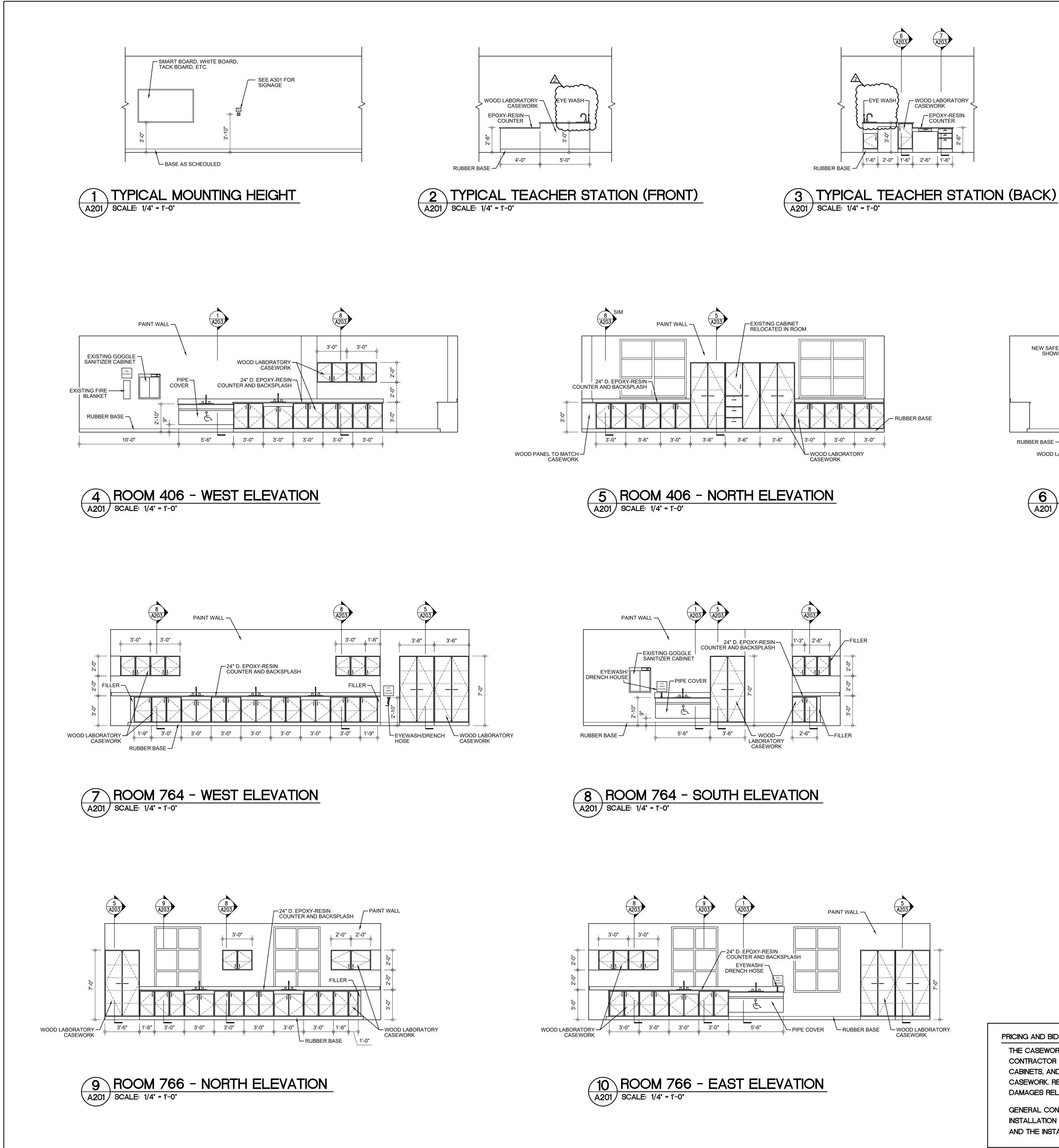


- 16. NOT USED
- 17. RELOCATED OR NEW SAFETY EQUIPMENT AND SIGNAGE
- 18. PAINT ALL WALLS THIS ROOM AND INSTALL NEW RUBBER COVE BASE
- 19. NEW EPOXY-RESIN COUNTER TOP
- 20. NEW WOOD CABINETRY, EPOXY-RESIN COUNTERTOP AND EPOXY-RESIN SINK. MECHANICALLY ATTACH CABINETS TO WALL WITH BOLTS, SCREWS OR OTHER DEVICES
- 21. NEW 6" STL. STUD WALL WITH EPOXY-RESIN TOP. SEE ELEVATIONS
- 22. NEW FIRE EXTINGUISHER CABINET
- 23. NEW EXPOXY-RESIN PEGBOARD 24. NEW WHITE BOARD. SEE 1/A201
- 25. EXISTING LAB TABLE, RELOCATED

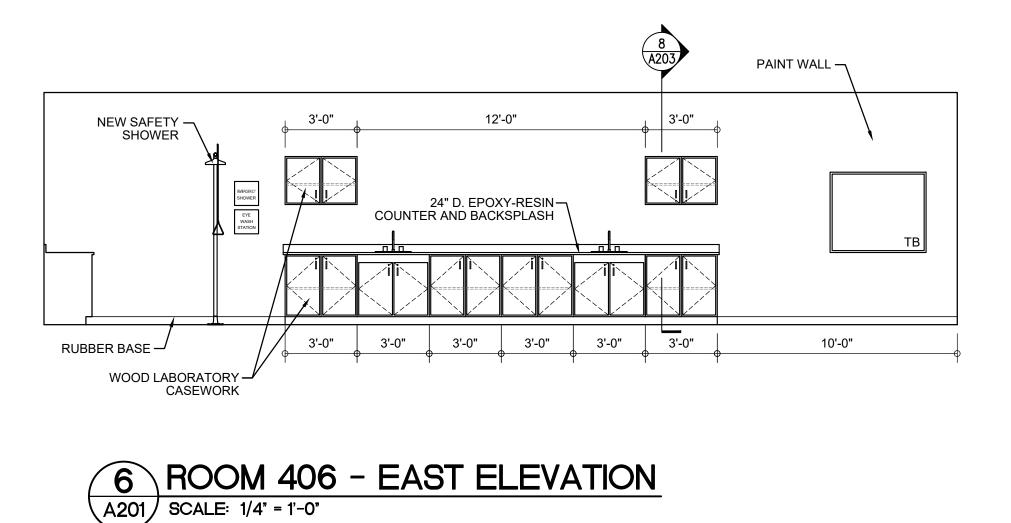
26. NOT USED

- 27. EXISTING LOCKERS, RELOCATED 28. WHEELED PLASTIC TUB CART FOR CHEMICAL TRANSFER. SEE SPECIFICATIONS
- 29. NOT USED
- 30. NOT USED 31. RELOCATED OR NEW SAFETY CABINETS. SEE ELEVATIONS
- 32. NOT USED
- 33. PAINT NEW WALL AND INSTALL RCB
- 34. NEW EMERGENCY SHUT-OFF BUTTON. SEE ELECTRICAL DRAWINGS
- 35. ACCESSIBLE SHOWER/EYE WASH. COORDINATE WITH PLUMBING DRAWINGS AND SCHEDULE
- 36. NO BASE CABINETS. LEAVE OPEN FOR CLEAN-OUT ACCESS





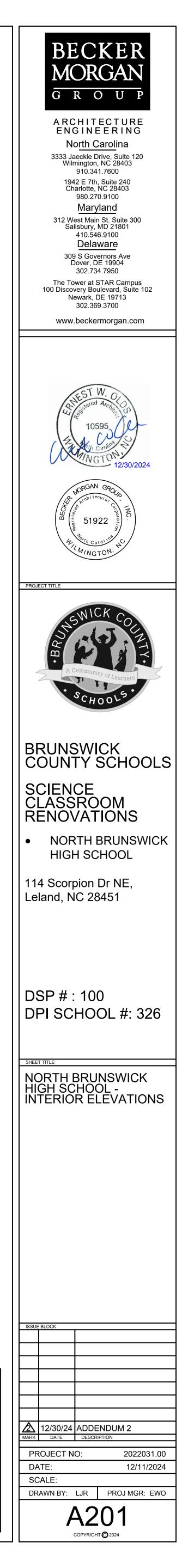


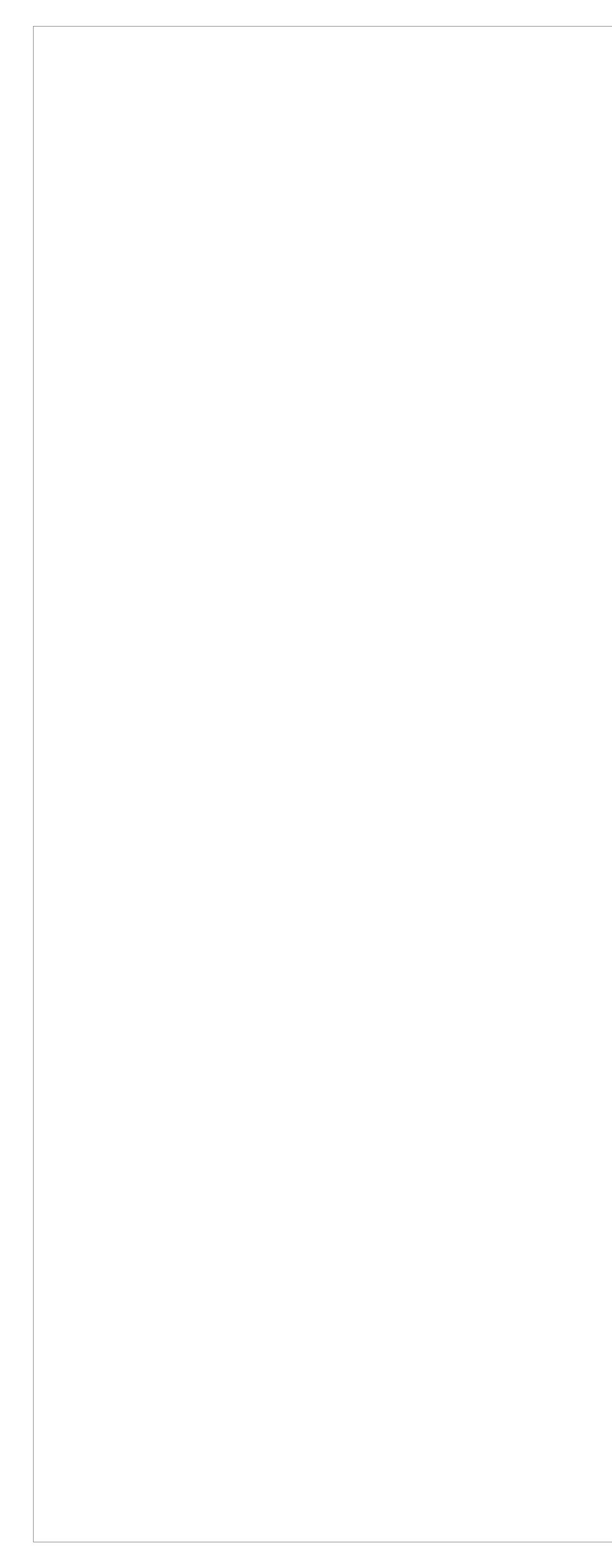


PRICING AND BIDDING NOTES

THE CASEWORK VENDOR PRICING TO INCLUDE FIELD MEASUREMENTS, THE FABRICATION OF AND COORDINATION WITH GENERAL CONTRACTOR FOR DELIVERY, BONDED STORAGE, AND INSTALLATION OF FURNITURE COMPONENTS OF BASE CABINETS, WALL CABINETS, AND COUNTERTOPS. ITEMS INCLUDED, BUT NOT LIMITED TO, SPECIFICATION SECTION 123553 - LABORATORY CASEWORK. REFER TO SPECIFICATION SECTION: 123553 - LABORATORY CASEWORK - FOR DELIVERY DEADLINE AND LIQUIDATED DAMAGES RELATED TO DELIVERY DEADLINE.

GENERAL CONTRACTOR BIDDING TO INCLUDE DEMOLITION OF EXISTING CONDITIONS AS NOTED, ANY NECESSARY PREP FOR INSTALLATION OF CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK VENDOR AND THE INSTALLATION OF INTEGRAL SINKS, AS LISTED IN SPECIFICATION SECTION 123553 - LABORATORY CASEWORK.





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUI AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEA OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INST/ RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIE PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS.
- PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTA
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COM PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENER
- CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON T
- SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRAD PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, F INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRAM MAINTENANCE AND SERVICING OF EQUIPMENT.
- ). LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING A STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB B
- CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORK
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVI PRIOR TO FINAL INSPECTION.
- EXISTING BUILDINGS AND CONSTRUCTION:

ACCOMMODATE INTERFERENCES.

- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICA RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT.
- EXISTING FINISHES AS REQUIRED. D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST AR

## **GENERAL PLUMBING DEMOLITION NOTES**

THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQU COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSOF ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHO REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED T THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE COR CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION

WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER II UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE RE SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEM INTAIN SERVICE.

SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COM SOME UNUSUAL CONDITIONS MAY EXIST

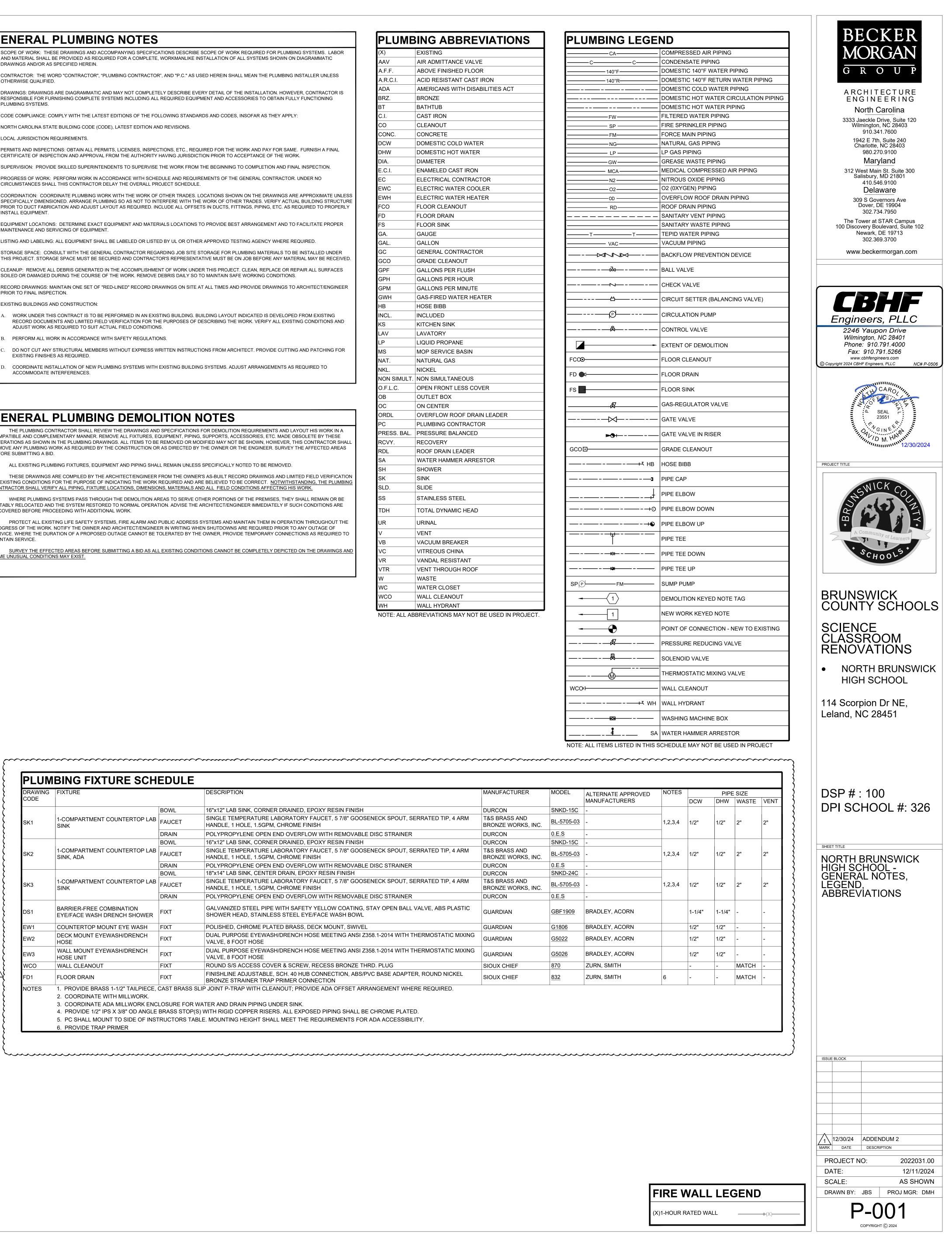
-	FIXTURE		DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES		PIPE	SIZE	
CODE						MANUFACTURERS		DCW	DHW	WASTE	VEN
		BOWL	16"x12" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-15C	-					
SK1	1-COMPARTMENT COUNTERTOP LAB SINK	FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
		BOWL	16"x12" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-15C	-					
		FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
		BOWL	18"x14" LAB SINK, CENTER DRAIN, EPOXY RESIN FINISH	DURCON	SNKD-24C	-					
SK3	1-COMPARTMENT COUNTERTOP LAB SINK	P LAB FAUCET SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH BRONZE WORKS, INC.		-	1,2,3,4	1/2"	1/2"	2"	2"		
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
DS1	BARRIER-FREE COMBINATION EYE/FACE WASH DRENCH SHOWER	FIXT	GALVANIZED STEEL PIPE WITH SAFETY YELLOW COATING, STAY OPEN BALL VALVE, ABS PLASTIC SHOWER HEAD, STAINLESS STEEL EYE/FACE WASH BOWL	GUARDIAN	<u>GBF1909</u>	BRADLEY, ACORN		1-1/4"	1-1/4"	-	-
EW1	COUNTERTOP MOUNT EYE WASH	FIXT	POLISHED, CHROME PLATED BRASS, DECK MOUNT, SWIVEL	GUARDIAN	G1806	BRADLEY, ACORN		1/2"	1/2"	-	-
EW2	DECK MOUNT EYEWASH/DRENCH HOSE	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE MEETING ANSI Z358.1-2014 WITH THERMOSTATIC MIXING VALVE, 8 FOOT HOSE	GUARDIAN	<u>G5022</u>	BRADLEY, ACORN		1/2"	1/2"	-	-
EW3	WALL MOUNT EYEWASH/DRENCH HOSE UNIT	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE MEETING ANSI Z358.1-2014 WITH THERMOSTATIC MIXING VALVE, 8 FOOT HOSE	GUARDIAN	<u>G5026</u>	BRADLEY, ACORN		1/2"	1/2"	-	-
WCO	WALL CLEANOUT	FIXT	ROUND S/S ACCESS COVER & SCREW, RECESS BRONZE THRD. PLUG	SIOUX CHIEF	870	ZURN, SMITH		-	-	MATCH	-
FD1	FLOOR DRAIN	FIXT	FINISHLINE ADJUSTABLE, SCH. 40 HUB CONNECTION, ABS/PVC BASE ADAPTER, ROUND NICKEL BRONZE STRAINER TRAP PRIMER CONNECTION	SIOUX CHIEF	832	ZURN, SMITH	6	-	-	МАТСН	-
NOTES	<ol> <li>COORDINATE WITH MILLWORK.</li> <li>COORDINATE ADA MILLWORK ENC</li> <li>PROVIDE 1/2" IPS X 3/8" OD ANGLE</li> </ol>	LOSURE FOR BRASS STOP	SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED. WATER AND DRAIN PIPING UNDER SINK. P(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED. ABLE. MOUNTING HEIGHT SHALL MEET THE REQUIREMENTS FOR ADA ACCESSIBILITY.			1					

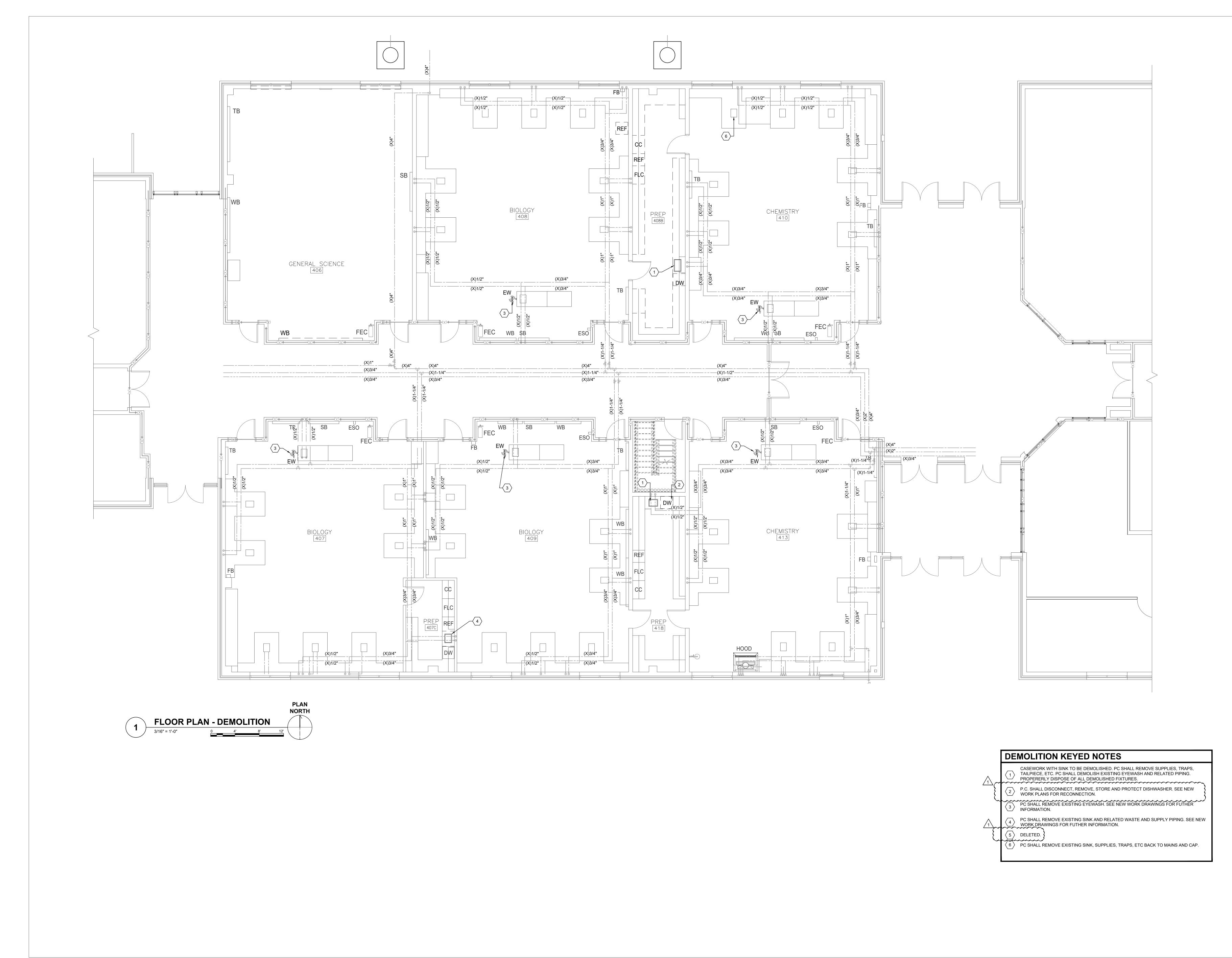
	PLUMB	SING ABBREVIATIONS
UIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
YSTEMS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITTANCE VALVE
	A.F.F.	ABOVE FINISHED FLOOR
AN THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESISTANT CAST IRON
	ADA	AMERICANS WITH DISABILITIES ACT
STALLATION. HOWEVER, CONTRACTOR IS IES TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	BT	BATHTUB
FAR AS THEY APPLY:	C.I.	CAST IRON
	СО	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC COLD WATER
AND PAY FOR SAME. FURNISH A FINAL	DHW	DOMESTIC HOT WATER
FANCE OF THE WORK.	DIA.	DIAMETER
MPLETION AND FINAL INSPECTION.	E.C.I.	
RAL CONTRACTOR. UNDER NO	EC	
	EWC	ELECTRIC WATER COOLER
THE DRAWINGS ARE APPROXIMATE UNLESS	EWH	ELECTRIC WATER HEATER
ADES. VERIFY ACTUAL BUILDING STRUCTURE	FCO	FLOOR CLEANOUT
, FIFING, ETC. AS REQUIRED TO FROFERET	FD	FLOOR DRAIN
ANGEMENT AND TO FACILITATE PROPER	FS	FLOOR SINK
AGENCY WHERE REQUIRED.	GA.	GAUGE
	GAL.	
NG MATERIALS TO BE INSTALLED UNDER BEFORE ANY MATERIAL MAY BE RECEIVED.	GC	GENERAL CONTRACTOR
	GCO	GRADE CLEANOUT
AN, REPLACE OR REPAIR ALL SURFACES RKING CONDITIONS.	GPF	GALLONS PER FLUSH
VIDE DRAWINGS TO ARCHITECT/ENGINEER	GPH	GALLONS PER HOUR
The DRAWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS PER MINUTE
	GWH	GAS-FIRED WATER HEATER
	HB	HOSE BIBB
ATED IS DEVELOPED FROM EXISTING	INCL.	INCLUDED
	KS	KITCHEN SINK
	LAV	LAVATORY
	LP	LIQUID PROPANE
T. PROVIDE CUTTING AND PATCHING FOR	MS	MOP SERVICE BASIN
RRANGEMENTS AS REQUIRED TO	NAT.	NATURAL GAS
	NKL.	NICKEL
		NON SIMULTANEOUS
	O.F.L.C.	OPEN FRONT LESS COVER
	OB	OUTLET BOX
	OC	ON CENTER
	ORDL	OVERFLOW ROOF DRAIN LEADER
UIREMENTS AND LAYOUT HIS WORK IN A	PC	
RIES, ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE BALANCED
IOWN, HOWEVER, THIS CONTRACTOR SHALL NGINEER. SURVEY THE AFFECTED AREAS	RCVY.	RECOVERY
	RDL	ROOF DRAIN LEADER
TO BE REMOVED.	SA	WATER HAMMER ARRESTOR
	SH	SHOWER
RAWINGS AND LIMITED FIELD VERIFICATION RRECT. <u>NOTWITHSTANDING, THE PLUMBING</u> DNS AFFECTING HIS WORK.	SK SLD.	SINK SLIDE
E PREMISES, THEY SHALL REMAIN OR BE	SS	STAINLESS STEEL
IMMEDIATELY IF SUCH CONDITIONS ARE	TDH	TOTAL DYNAMIC HEAD
N THEM IN OPERATION THROUGHOUT THE	UR	URINAL
EQUIRED PRIOR TO ANY OUTAGE OF MPORARY CONNECTIONS AS REQUIRED TO	V	VENT
	VB	VACUUM BREAKER
IPLETELY DEPICTED ON THE DRAWINGS AND	VC	VITREOUS CHINA
	VR	VANDAL RESISTANT
	VTR	VENT THROUGH ROOF
	W	WASTE
	WC	WATER CLOSET
	WCO	

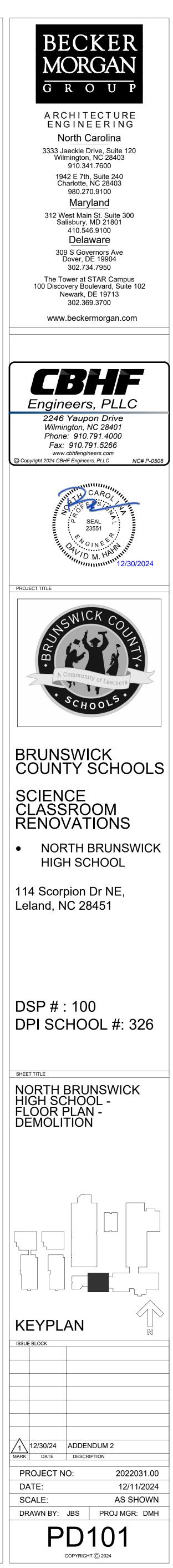
(X)	EXISTING		
AAV	AIR ADMITTANCE VALVE		C
A.F.F.	ABOVE FINISHED FLOOR		
A.R.C.I.	ACID RESISTANT CAST IRON		
ADA	AMERICANS WITH DISABILITIES ACT		
BRZ.	BRONZE		
вт	BATHTUB		
C.I.	CAST IRON		
со	CLEANOUT		
CONC.	CONCRETE		
DCW	DOMESTIC COLD WATER		
DHW	DOMESTIC HOT WATER		
DIA.	DIAMETER		
E.C.I.	ENAMELED CAST IRON		
EC	ELECTRICAL CONTRACTOR		
EWC	ELECTRIC WATER COOLER		
EWH	ELECTRIC WATER HEATER		
FCO	FLOOR CLEANOUT		
FD	FLOOR DRAIN		
FS	FLOOR SINK		
GA.	GAUGE		T
GAL.	GALLON	] [	
GC	GENERAL CONTRACTOR	ļĺ	t
GCO	GRADE CLEANOUT		
GPF	GALLONS PER FLUSH		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
GWH	GAS-FIRED WATER HEATER		
НВ	HOSE BIBB		
INCL.	INCLUDED		
KS	KITCHEN SINK		
LAV	LAVATORY		
LP	LIQUID PROPANE		
MS	MOP SERVICE BASIN	l F	
NAT.	NATURAL GAS		FCOO
NKL.	NICKEL		FD C
NON SIMULT.	NON SIMULTANEOUS	▎▕	
O.F.L.C.	OPEN FRONT LESS COVER		FS
ОВ	OUTLET BOX	l I	
OC	ON CENTER		
ORDL	OVERFLOW ROOF DRAIN LEADER		
PC	PLUMBING CONTRACTOR		
PRESS. BAL.	PRESSURE BALANCED		
RCVY.	RECOVERY		
RDL	ROOF DRAIN LEADER		GCO 🖸 —
SA	WATER HAMMER ARRESTOR		
SH	SHOWER		
SK	SINK		
SLD.	SLIDE		
SS	STAINLESS STEEL		
TDH	TOTAL DYNAMIC HEAD		
UR	URINAL		
V	VENT		
VB	VACUUM BREAKER		
VC	VITREOUS CHINA		
VR	VANDAL RESISTANT		
VTR	VENT THROUGH ROOF		
W	WASTE		
WC	WATER CLOSET	l l	SPP
WCO	WALL CLEANOUT	l [	-
WH	WALL HYDRANT	l ł	
NOTE: ALL AB	BREVIATIONS MAY NOT BE USED IN PROJECT.	·	-
		ŀ	
		[	-
		ſ	
		ŀ	

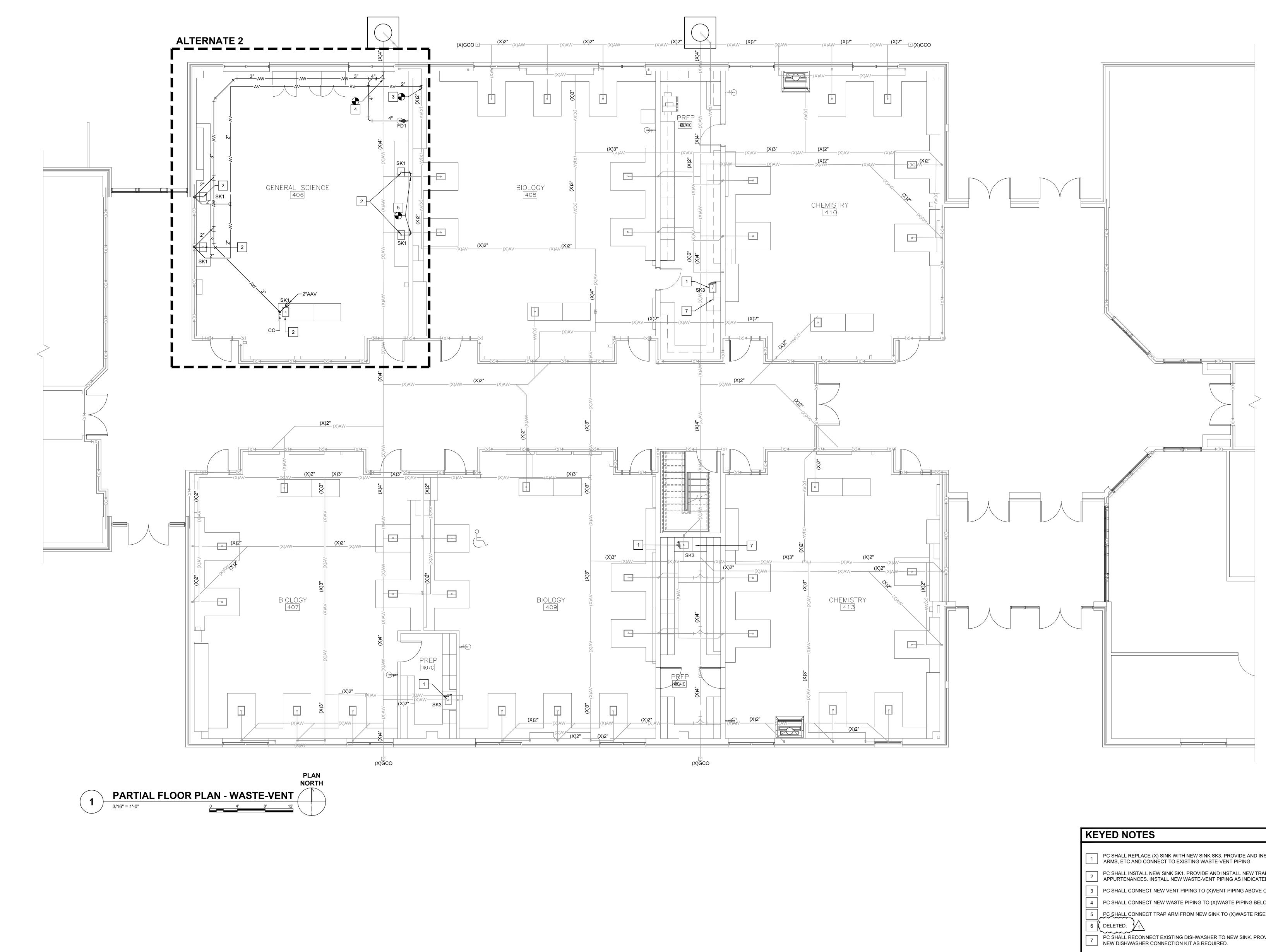
PLUMBING LEGE	ND
CA	COMPRESSED AIR PIPING
CC 140°F	CONDENSATE PIPING DOMESTIC 140°F WATER PIPING
140°R	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPIN DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING
SP	FIRE SPRINKLER PIPING
	FORCE MAIN PIPING NATURAL GAS PIPING
NG LP	LP GAS PIPING
GW	GREASE WASTE PIPING
MCA N2	MEDICAL COMPRESSED AIR PIPING
02	O2 (0XYGEN) PIPING
OD	OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING SANITARY VENT PIPING
	SANITARY WASTE PIPING
TT	
	BACKFLOW PREVENTION DEVICE
	BALL VALVE
N	CHECK VALVE
<del>``</del> `	CIRCUIT SETTER (BALANCING VALVE)
p	CIRCULATION PUMP
&	CONTROL VALVE
	EXTENT OF DEMOLITION
FCOO	FLOOR CLEANOUT
FD C	FLOOR DRAIN
FS FS	FLOOR SINK
	GAS-REGULATOR VALVE
X	GATE VALVE
▶	GATE VALVE IN RISER
GCO	GRADE CLEANOUT
	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	PIPE TEE
<del>01</del>	PIPE TEE DOWN
	PIPE TEE UP
SP(P)	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
<b>→</b> 1	NEW WORK KEYED NOTE
<b>D</b>	POINT OF CONNECTION - NEW TO EXISTING
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	WALL CLEANOUT
• • • WH	
••••••••••••••••••••••••••••••••••••••	WASHING MACHINE BOX
	CHEDULE MAY NOT BE USED IN PROJECT

-----+(X

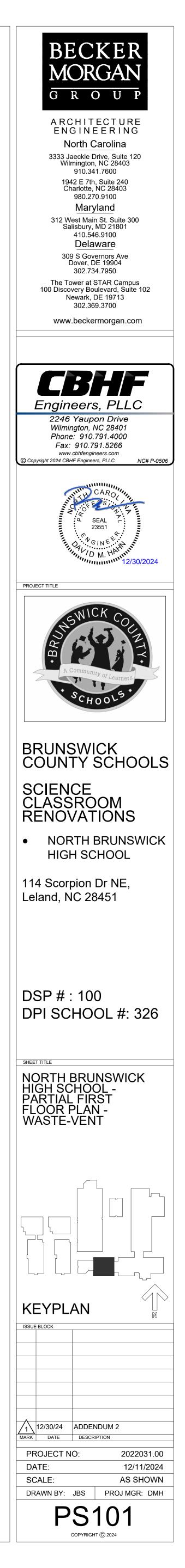


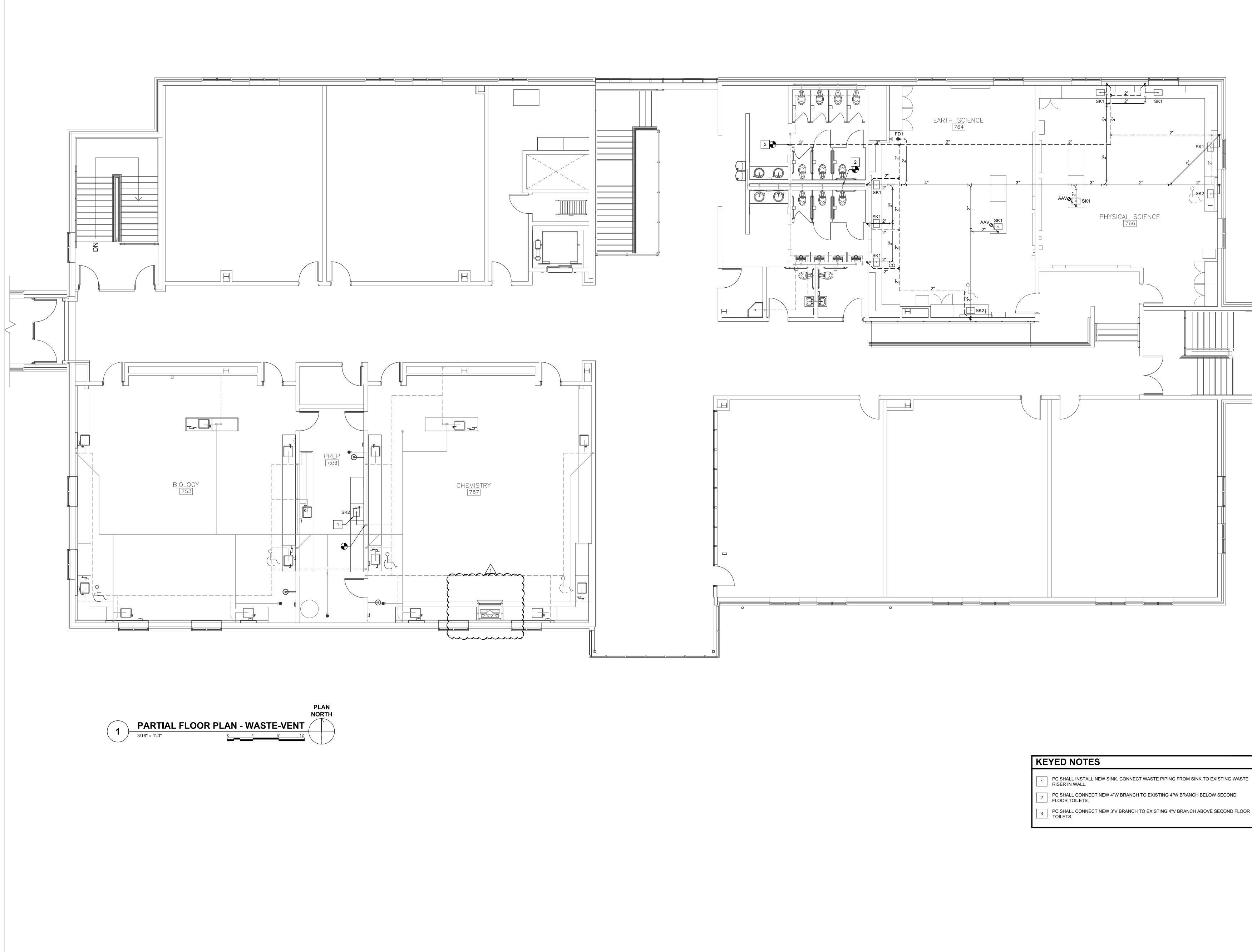


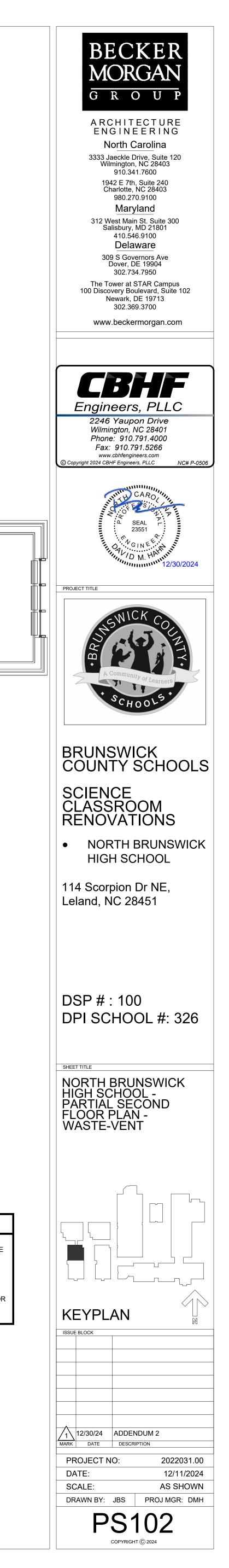


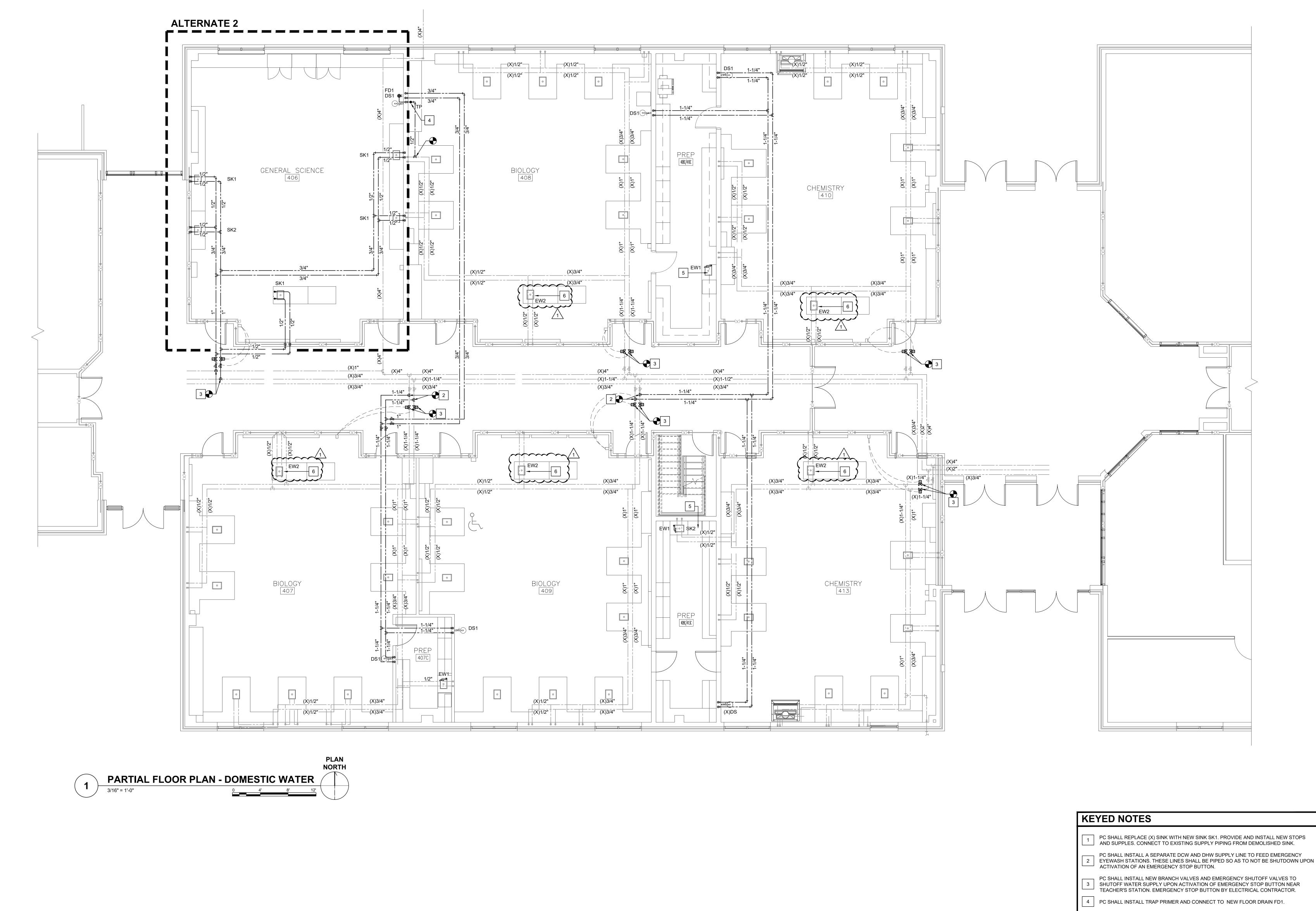


PC SHALL REPLACE (X) SINK WITH NEW SINK SK3. PROVIDE AND INSTALL NEW TRAPS, ARMS, ETC AND CONNECT TO EXISTING WASTE-VENT PIPING. PC SHALL INSTALL NEW SINK SK1. PROVIDE AND INSTALL NEW TRAPS, ARMS, AND APPURTENANCES. INSTALL NEW WASTE-VENT PIPING AS INDICATED ON PLAN. 3 PC SHALL CONNECT NEW VENT PIPING TO (X)VENT PIPING ABOVE CEILING. 4 PC SHALL CONNECT NEW WASTE PIPING TO (X)WASTE PIPING BELOW FLOOR. 5 PC SHALL CONNECT TRAP ARM FROM NEW SINK TO (X)WASTE RISER IN WALL. PC SHALL RECONNECT EXISTING DISHWASHER TO NEW SINK. PROVIDE AND INSTALL



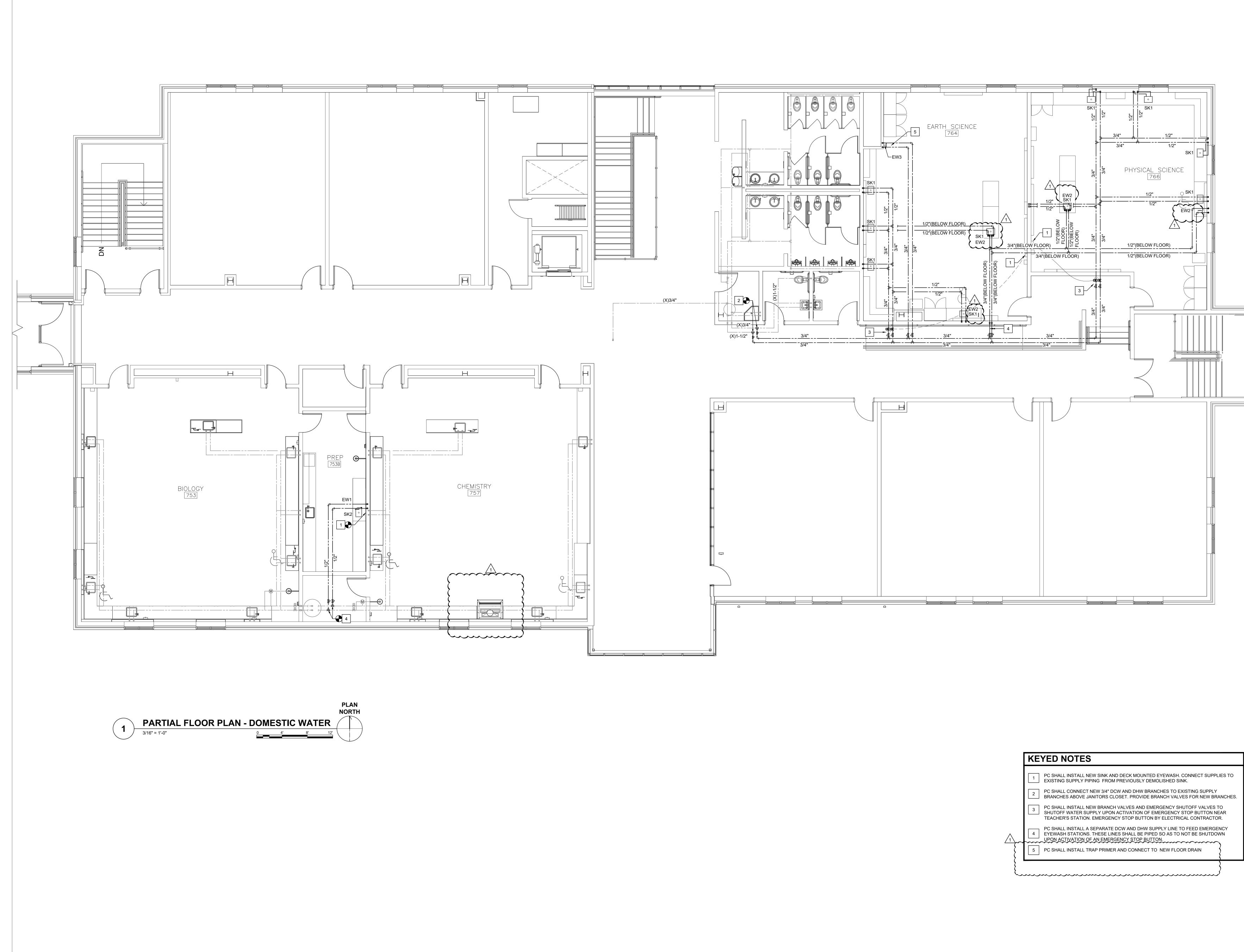


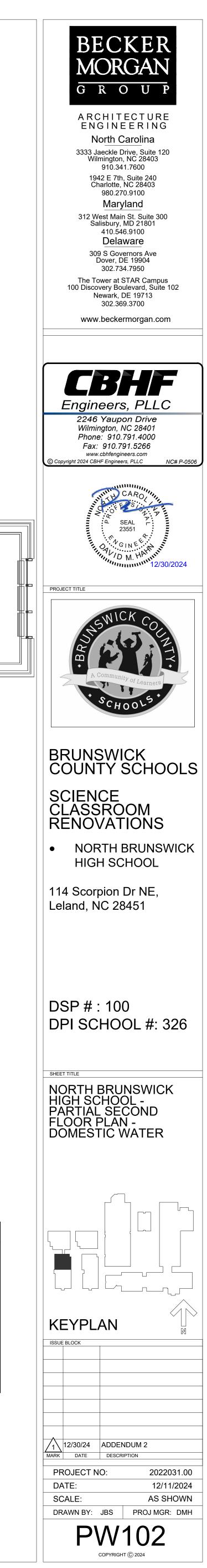


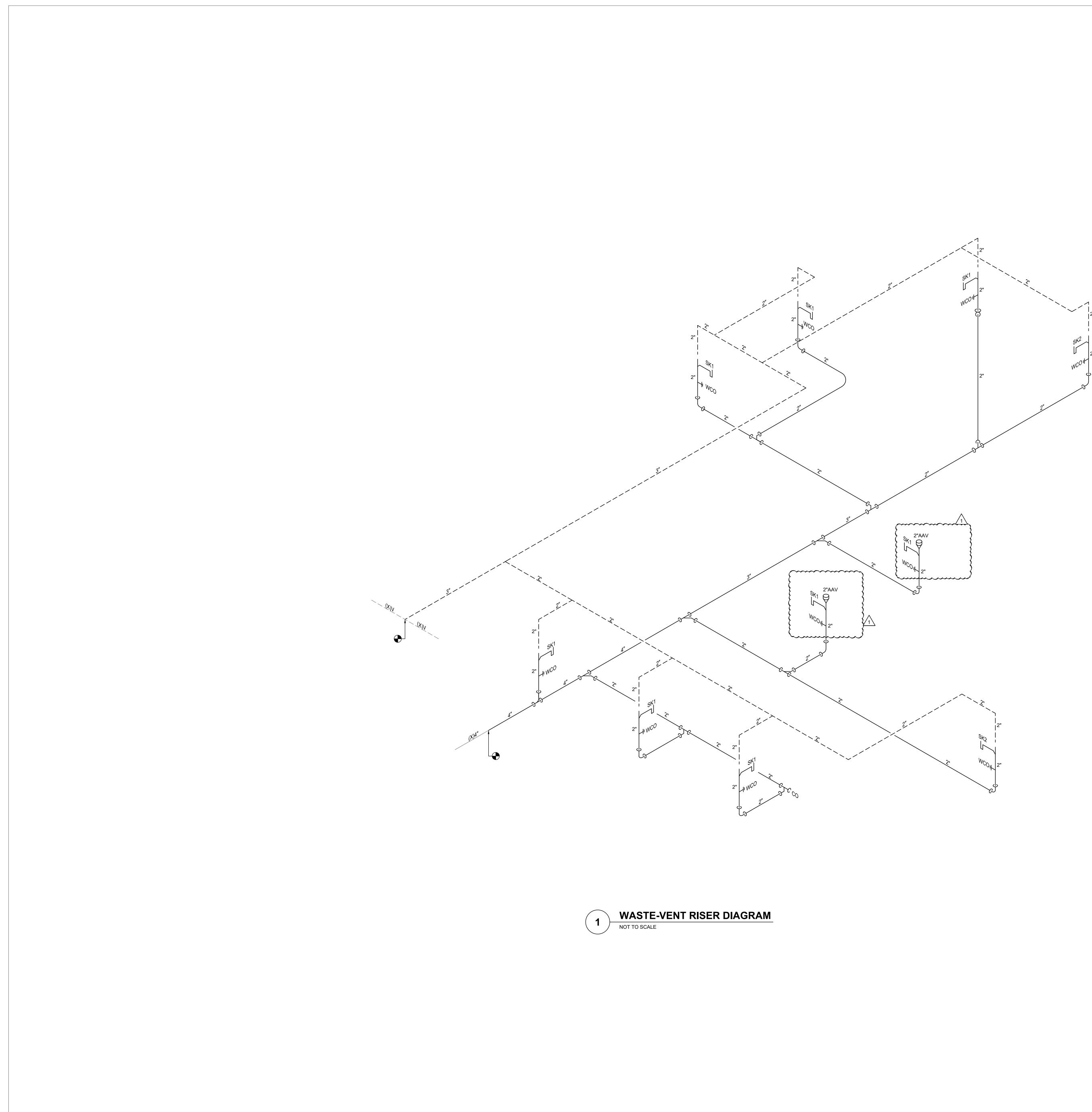


- PC SHALL INSTALL NEW BRANCH VALVES AND EMERGENCY SHUTOFF VALVES TO 3 SHUTOFF WATER SUPPLY UPON ACTIVATION OF EMERGENCY STOP BUTTON NEAR
- 4 PC SHALL INSTALL TRAP PRIMER AND CONNECT TO NEW FLOOR DRAIN FD1.
- 5 PC SHALL RECONNECT EXISTING DISHWASHER. PROVIDE AND INSTALL NEW DISHWASHER CONNECTION KIT AS REQUIRED.
- 6 PC SHALL INSTALL NEW DECK MOUNTED EYEWASH. CONNECT TO EXISTING SUPPLY PIPING INSIDE CASEWORK.

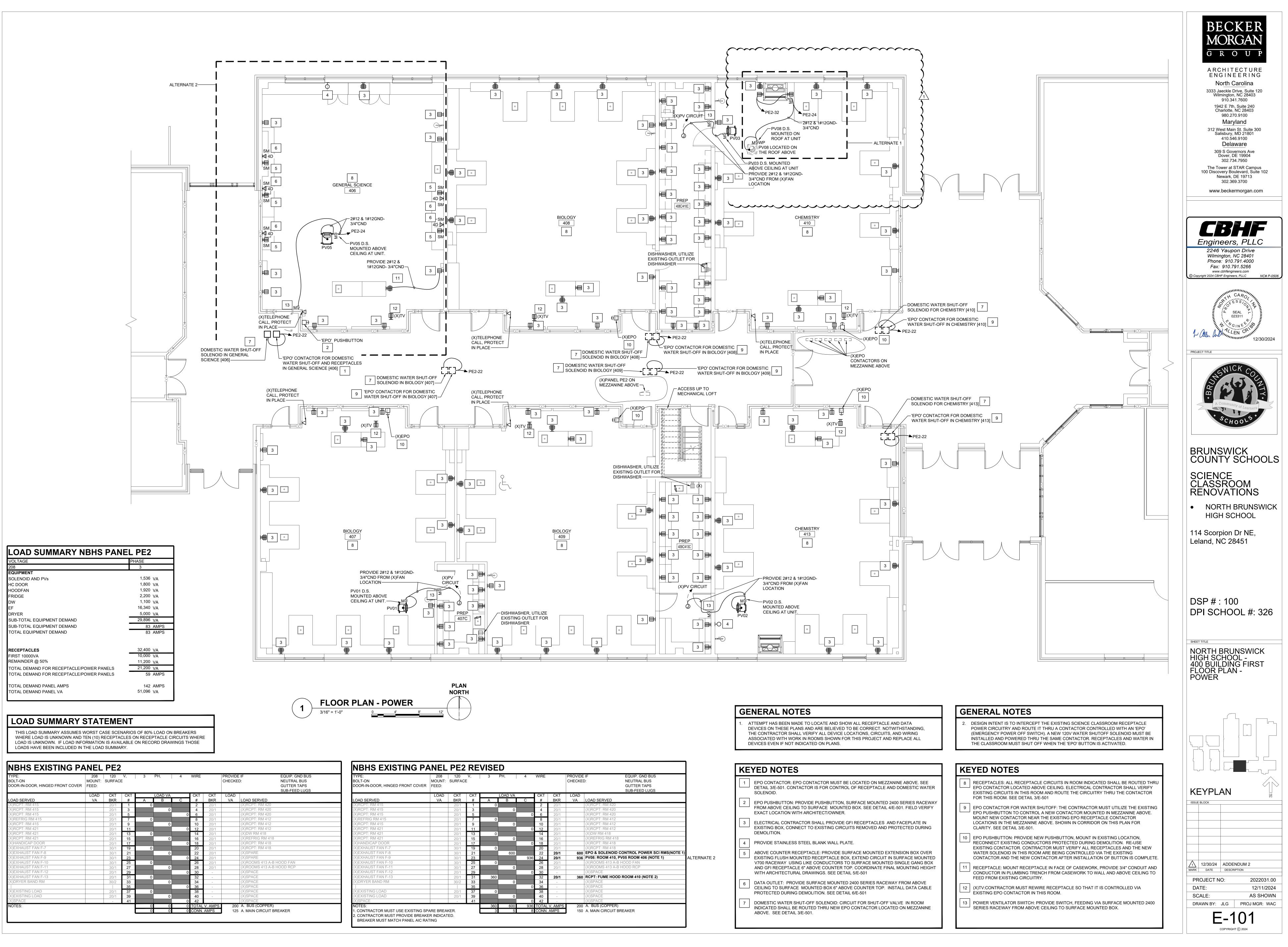




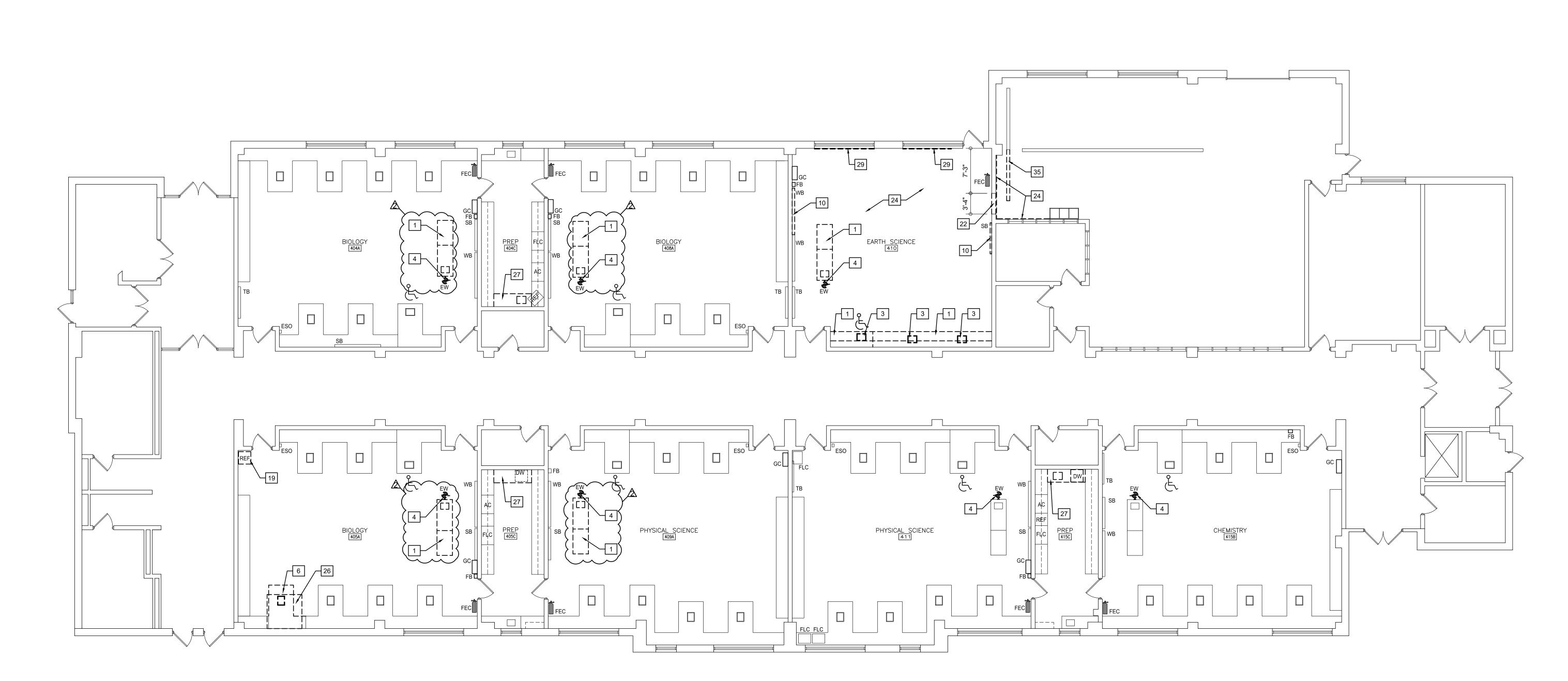








YPE: OLT-ON OOR-IN-DOOR, HINGED FRONT COVER		120 SURFAC		3	PH,	4	WIRE		PROVIDE		
	LOAD	CKT	CKT	^	LOAD VA B	0	CKT	CKT	LOAD		
OAD SERVED ()RCPT: RM 415	VA	BKR	#	A		С	#	BKR	VA	LOAD SERVED (X)RCPT: RM 420	-
()RCPT: RM 415		20/1	1		0		2	20/1 20/1		(X)RCPT: RM 420	_
()RCPT: RM 415		20/1	5		0			20/1		(X)RCPT: RM 420	_
()REFRIG RM 415		20/1	7		)	(	8	20/1		(X)RCPT: RM 412	-
()RCPT: RM 415		20/1	9		0		10	20/1		(X)RCPT: RM 412	-
()RCPT: RM 421		20/1	11		0			20/1		(X)RCPT: RM 412	-
()RCPT: RM 421		20/1	13		0		14	20/1		(X)DW RM 418	-
()RCPT: RM 421		20/1	15		0		16	20/1		(X)REFRIG RM 418	-
()HANDICAP DOOR		20/1	17		Ű	(	0 18	20/1		(X)RCPT: RM 418	_
()EXHAUST FAN F-7		30/1	19		0		20	20/1		(X)RCPT: RM 418	-
()EXHAUST FAN F-8		30/1	21		600		22	20/1	600	EPO & SOLENOID CONTROL POWER SCI RMS(NOTE 1	D
()EXHAUST FAN F-9		30/1	23			936	_	20/1		PV08: ROOM 410, PV05 ROOM 406 (NOTE 1)	
()EXHAUST FAN F-10		30/1	25		)		26	20/1		(X)ROOMS 413 A-B HOOD FAN	
) EXHAUST FAN F-11		30/1	27		0		28	20/1		(X)ROOMS 413 A-B HOOD RCP	-
()EXHAUST FAN F-12		20/1	29			(	0 30	-		(X)SPACE	-
()EXHAUST FAN F-13		20/1	31	36	0		32	20/1	360	RCPT: FUME HOOD ROOM 410 (NOTE 2)	
()DRYER BAND RM		30/2	33		0		34	-		(X)SPACE	
			35			(	0 36	-		(X)SPACE	
K)EXISTING LOAD		20/1	37		0		38	-		(X)SPACE	
K)EXISTING LOAD		20/1	39		0		40	-		(X)SPACE	_
K)SPACE		-	41			(	0 42	-		(X)SPACE	
OTES:				36	0 600	936	6 TOTAL	V. AMPS	200	A. BUS (COPPER)	
. CONTRACTOR MUST USE EXISTING SF	PARE BREA	KER.			3 5	8	8 CONN.	AMPS	150	A. MAIN CIRCUIT BREAKER	



1 SBHS - 400 BUILDING DEMOLITION PLAN AD101 SCALE: 1/8" = 1'-0"

# GENERAL DEMOLITION NOTES

- 1. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO DESIGNATED AREAS OF WORK
- 2. THE CONTRACTOR, SUBCONTRACTORS AND THEIR EMPLOYEES SHALL ABIDE BY ALL BADGING, SECURITY AND CONDUCT REQUIREMENTS BY THE OWNER
- 3. MAINTAIN CORRIDORS AND PATHS OF EGRESS AT ALL TIMES. DO NOT BLOCK EXITS, STAIRS, RAMPS, ETC.
- 4. EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DEMOLITION AND CONSTRUCTION OPERATIONS
- 5. CONTRACTOR TO PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED TO ACCOMPLISH DEMOLITION ACTIVITIES AND MAINTAIN
- STRUCTURAL STABILITY UNTIL NEW WORK IS INSTALLED 6. COORDINATE EXTENT OF DEMOLITION WORK WITH NEW WORK
- PATCH, RESTORE AND REPAIR SURFACES AT DEMOLISHED ELEMENTS TO MATCH ADJACENT UNDAMAGED SURFACES
- 8. PATCH, REPAIR AND PREP ALL WALL SURFACES TO RECEIVE NEW
- FINISHES 9. NO KNOWN HAZARDOUS MATERIALS EXISTING IN THE BUILDING EXCEPT AS NOTED. REFER TO SPECIFICATION FOR HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION
- CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING BUILDING, STRUCTURE, FINISHES, PARTITIONS, BUILDING SYSTEMS AND OTHER ELEMENTS TO REMAIN
- CONTRACTOR TO PROVIDE OWNER WITH A MINIMUM 48 HOUR NOTICE AND OBTAIN APPROVAL FOR ACTIVITIES THAT COULD INTERRUPT OR IMPACT THE USE OR OPERATION OF THE EXISTING BUILDING
   BUILDING FIRE ALARM AND OTHER LIFE SAFETY SYSTEMS SHALL REMAIN
- OPERATIONAL DURING CONSTRUCTION. PROTECT SYSTEMS AND DEVICES FROM DAMAGE
  13. COVER ALL SMOKE HEADS IN CONSTRUCTION AREA DURING CONSTRUCTION. REMOVE COVERS AFTER WORK HOURS TO MAINTAIN
- 14. REFER TO SPECIFICATIONS FOR ITEMS TO SALVAGE FOR OWNER
- 15. REFER TO PME DRAWINGS FOR ADDITIONAL DEMOLITION WORK
- 16. CONTRACTOR TO REMOVE ALL EXISTING SAFETY SIGNAGE AND CLEAN AND PREP AREAS FOR NEW SIGNAGE
- 17. CONTRACTOR TO CUT SLAB WHERE REQUIRED FOR NEW UNDER-SLAB PLUMBING FIXTURES. COORDINATE LOCATIONS WITH PLUMBING NEW WORK DRAWINGS.
- CONTRACTOR TO REMOVE AND STORE CEILING TILE AND GRID FOR REUSE IN AREAS OF WORK WHERE REQUIRED. COORDINATE EXTENTS OF REQUIRED DEMOLITION WITH PME NEW WORK DRAWINGS.

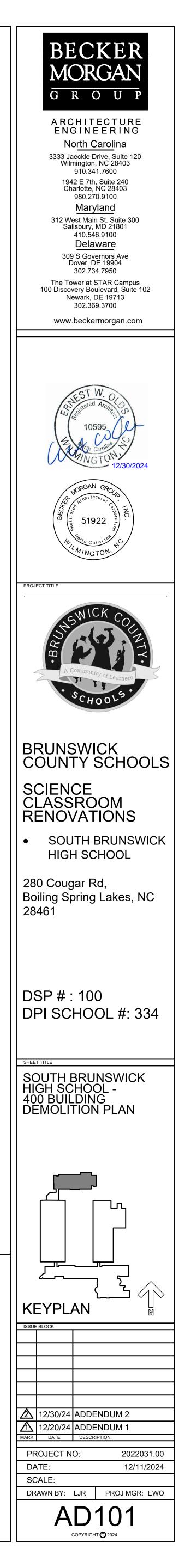
<b>KEYED DEMOLITION NOTES (ALL</b>	NOTES DO NOT APPLY)
<ol> <li>REMOVE EXISTING WALL AND FLOOR CABINETS/ CUBBIES/ COUNTERTOPS, ETC.</li> <li>REMOVE EXISTING BROKEN DRAWER PULLS AND REPLACE</li> <li>REMOVE EXISTING SINK, FAUCET, DRAIN AND ASSOCIATED PLUMBING AS REQUIRED. SEE PLUMBING DRAWINGS</li> <li>REMOVE EXISTING EYEWASH AND PREP FOR NEW EYEWASH</li> </ol>	<ol> <li>REMOVE EXISTING TACKBOARD "WALL" AND / OR METAL FRAMED SOFFIT</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> </ol>
<ol> <li>NOT USED</li> <li>REMOVE EXISTING LAB STATION, INCLUDING COUNTERS, CABINETS, SINK, FAUCET, DRAIN AND ASSOCIATED PLUMBING</li> </ol>	<ol> <li>REMOVE EXISTING SINK CABINET, SINK, FAUCET AND PLUMBING AS REQUIRED. SEE PLUMBING DRAWINGS</li> <li>NOT USED</li> </ol>
<ol> <li>REMOVE EXISTING CABINETS AND/OR LOCKERS AND STORE FOR RE-USE</li> <li>NOT USED</li> </ol>	<ul><li>19. EXISTING EQUIPMENT TO BE RELOCATED</li><li>20. NOT USED</li><li>21. NOT USED</li></ul>
<ol> <li>REMOVE EXISTING REFRIGERATOR AND DISCARD</li> <li>REMOVE EXISTING WHITE BOARD / TACKBOARD / CHALKBOARD / SMART BOARD AND STORE FOR RE-USE</li> <li>ALTERNATE #1: CABINETRY/COUNTER TO BE REMOVED FOR</li> </ol>	<ul><li>22. NEW DOOR OPENING</li><li>23. NOT USED</li><li>24. REMOVE EXISTING WALL BASE IN THIS ROOM AND DISCARD</li></ul>
<ol> <li>ALTERNATE #1: CABINE TRY/COUNTER TO BE REMOVED FOR INSTALLATION OF NEW FUME HOOD. REMOVE CEILING IN THIS AREA AS NECESSARY TO PERFORM WORK</li> <li>12. REMOVE EXISTING COUNTERTOPS, SINKS AND FAUCETS. CABINETRY TO REMAIN</li> </ol>	<ul> <li>24. REMOVE EXISTING WALL BASE IN THIS ROOM AND DISCARD</li> <li>25. CUT BACK EXISTING WINDOW SILL FLUSH WITH WALL AND REMOVE APRON</li> <li>26. REMOVE CEILING IN THIS AREA AS NECESSARY TO PERFORM WORK</li> </ul>

FL	OOR PLAN LEGEND
AC CB CC CH DEWH DW ESO EW FB FE FEC FLC GC	ACIDS CABINET CHALK BOARD CORROSIVES CABINET COAT HOOKS DECK MTD. EYEWASH WITH DRENCH HOSE DISHWASHER EMERGENCY SHUT OFF EYEWASH FIRE BLANKET WALL MOUNTED FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLAMMABLES CABINET GOGGLE CABINET
IM REF SB	ICE MACHINE REFRIGERATOR SMART BOARD
SHWR TB WB	EMERGENCY SHOWER TACK BOARD WHITE BOARD
WEWH	WALL MTD. EYEWASH WITH DRENCH HOSE

#### 27. REMOVE EXISTING BASE CABINETS, COUNTERTOPS, SINK AND PLUMBING AS REQUIRED. WALL CABINETS TO REMAIN. EXISTING REFRIGERATOR AND SAFETY CABINETS TO BE REUSED.

28. NOT USED29. TRIM EDGE OF WINDOW SILL FLUSH WITH CMU WALL

- 30. NOT USED
- 31. REMOVE AND REPLACE RUBBER BASE OF WALL
- 32. NOT USED
- 33. EXISTING LAB TABLE TO BE RELOCATED
- 34. REMOVE EXISTING COAT HOOKS. SAVE HOOKS FOR RE-USE IF IN GOOD CONDITION. DISCARD WOOD BLOCKING
- 35. REMOVE EXISTING TRENCH DRAIN AND FILL OPENING WITH CONCRETE

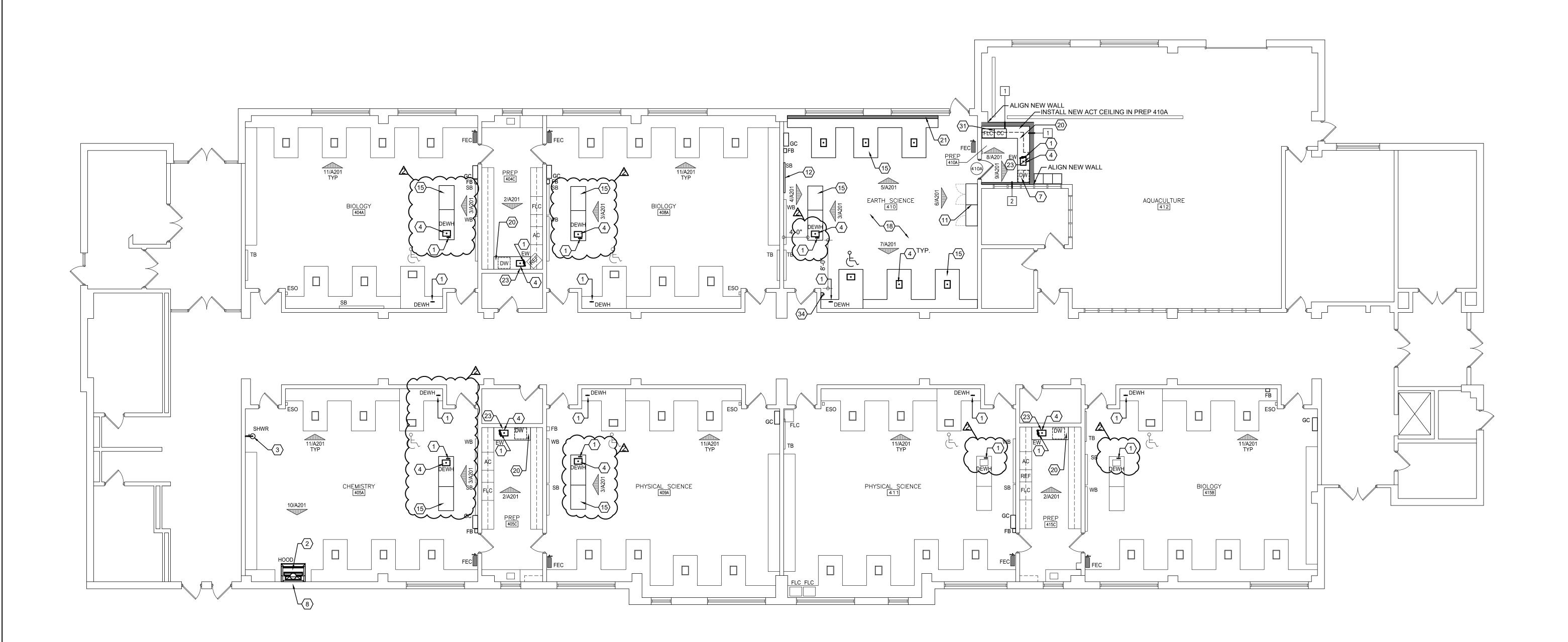


- 8. CAULK ALL JOINT OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER AND THE INTERSECTION IS EXPOSED TO VIEW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- 7. PAINT BACK SIDES OF REMOVABLE ACCESS PANELS AND HINGED COVERS TO MATCH EXPOSED SURFACE.
- POSITION; TYPICAL, UNLESS OTHERWISE NOTED.
- 6. TRANSITIONS OF FLOOR MATERIALS TO BE LOCATED AT CENTERLINE OF DOORS IN CLOSED
- INTERSECTIONS, CONNECTIONS, AND PENETRATIONS. 5. CHASE WALLS SHALL MATCH ADJACENT CONSTRUCTION; TYPICAL, UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS. 4. THE CONTRACTOR SHALL MAINTAIN THE RATING OF ALL REQUIRED RATED WALLS AT ALL
- 2. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO ENSURE THAT SECURITY BETWEEN CONSTRUCTION AREA AND AREAS WHICH ARE PUBLIC OR OTHERWISE OCCUPIED SHALL BE MAINTAINED.
- 1. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE SCHEDULING OF ALL CONSTRUCTION WITH THE BUILDING OWNER, SUBMIT DETAILED CONSTRUCTION SCHEDULE PRIOR TO DOING WORK INCLUDING PHASED CONSTRUCTION AND AFTER HOURS WORK.

A101 SCALE: 1/8" = 1'-0"

# GENERAL NOTES

PRICING AND BIDDING NOTES THE CASEWORK VENDOR PRICING TO INCLUDE FIELD MEASUREMENTS, THE FABRICATION OF AND COORDINATION WITH GENERAL CONTRACTOR FOR DELIVERY, BONDED STORAGE, AND INSTALLATION OF FURNITURE COMPONENTS OF BASE CABINETS, WALL CABINETS, WALL CABINETS, WALL CABINETS, WALL CABINETS, AND COUNTERTOPS. ITEMS INCLUDED, BUT NOT LIMITED TO, SPECIFICATION SECTION 123553 - LABORATORY CASEWORK. REFER TO SPECIFICATION SECTION: 123553 - LABORATORY CASEWORK - FOR DELIVERY DEADLINE AND LIQUIDATED DAMAGES RELATED TO DELIVERY DEADLINE. GENERAL CONTRACTOR BIDDING TO INCLUDE DEMOLITION OF EXISTING CONDITIONS AS NOTED, ANY NECESSARY PREP FOR INSTALLATION OF CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK, THE COORDINATION OF DELIVERY AND BONDED STORAGE WITH LABORATORY CASEWORK VENDOR AND THE INSTALLATION OF INTEGRAL SINKS, AS LISTED IN SPECIFICATION SECTION 123553 - LABORATORY CASEWORK.



- 12. WHERE DEMOLITION OR NEW WORK AFFECTS C

SBHS - 400 BUILDING FIRST FLOOR PLAN

	<b>KEYED NOTES</b> (ALL NOTES	DO NOT APPLY)
<ol> <li>WHERE SLAB CUTS OCCUR TO PERFORM NEW WORK: PATCH CONCRETE FLOOR AS FOLLOWS: LEVEL EXISTING SUB-GRADE AND TAMP TO ACHIEVE SUITABLE COMPACTION. INSTALL 67 STONE FILL UP TO THE LEVEL OF THE BOTTOM OF THE EXISTING SLAB AND INSTALL A 15MIL VAPOR BARRIER WITH TURNED UP EDGES AT THE FACE OF THE EXISTING SLAB. HOLD IN PLACE WITH TAPE. INSTALL NON-SHRINK CONCRETE AND TOOL TO A SMOOTH FINISH LEVEL WITH THE EXISTING SLAB. PROVIDE EXPANSION MATERIAL BETWEEN THE EXISTING WALL AND NEW NON-SHRINK CONCRETE INFILL.</li> <li>WHERE DEMOLITION OR NEW WORK AFFECTS WALLS: PATCH, REPAIR AND INFILL SURFACES AS NECESSARY TO MAINTAIN CONTINUITY OF ORIGINAL FINISHES AND ANY UL ASSEMBLY RATINGS.</li> <li>FOR ANY EXTERIOR WALL OR ROOF PENETRATIONS: PATCH AND REPAIR ASSEMBLIES TO MAINTAIN ORIGINAL ENERGY EFFICIENCY CONSTRUCTION AND/OR IN COMPLIANCE WITH MANUFACTURER WARRANTY PENETRATION DETAILS.</li> <li>WHERE DEMOLITION OR NEW WORK AFFECTS CEILING FINISHES: REPAIR WITH ORIGINAL</li> </ol>	<ol> <li>NEW EYEWASH, EYEWASH WITH DRENCH HOSE, OR DECK MOUNTED EYE WASH. COORDINATE TYPE WITH PLUMBING DRAWINGS AND SCHEDULE</li> <li>NEW FUME HOOD</li> <li>NEW WALL-MOUNTED EMERGENCY SHOWER. SEE PLUMBING DRAWINGS</li> <li>NEW EPOXY-RESIN SINKS WITH SINK COVERS. SEE PLUMBING DRAWINGS.</li> <li>NEW SPARK FREE REFRIGERATOR</li> <li>NEW GOGGLE SANITIZER CABINET. MOUNT AT 3'-4" AFF</li> </ol>	<ol> <li>ALTERNATE #2: COORDINATE INSTA SCIENCE CASEWORK, COUNTERTOF FINISHES. PROVIDE AND COORDINAT WORK WITH PME ALTERNATE #2. AL NOTES AND KEYNOTES APPLY.</li> <li>NEW TALL LOCKING CABINETS. MEC WITH BOLTS, SCREWS OR OTHER DI</li> <li>RELOCATED SMART BOARD / TACK E 1/A201</li> <li>NEW COAT HOOKS. SEE ROOM ELEV HEIGHTS. BASIS OF DESIGN: BOBRIC HAT AND COAT HOOK, SATIN FINISH</li> </ol>
UNDAMAGED TILE AND GRID OR REPLACE WITH NEW TO MATCH EXISTING.	<ol> <li>NEW DISHWASHER. SEE SIGNAGE DRAWING FOR REQUIRED SIGN</li> <li>CONTRACTOR TO REPAIR THRU WALL/ROOF PENETRATIONS AT NEW FUME HOODS. COORDINATE LOCATION WITH PME DRAWINGS.</li> <li>ALTERNATE #1: INSTALL NEW FUME HOOD</li> </ol>	<ol> <li>RELOCATED CABINET. MECHANICAL BOLTS, SCREWS OR OTHER DEVICE</li> <li>NEW WOOD CABINETRY WITH EPOX MECHANICALLY ATTACH CABINETS OR OTHER DEVICES</li> </ol>

FL	OOR PLAN LEGEND
AC	ACIDS CABINET
CB	CHALK BOARD
CC	CORROSIVES CABINET
CH	COAT HOOKS
DEWH	DECK MTD. EYEWASH WITH DRENCH HOSE
DW	DISHWASHER
ESO	EMERGENCY SHUT OFF
EW	EYEWASH
FB	FIRE BLANKET
FE	WALL MOUNTED FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FLC	FLAMMABLES CABINET
GC	GOGGLE CABINET
IM	ICE MACHINE
REF	REFRIGERATOR
SB	SMART BOARD
SHWR	EMERGENCY SHOWER
TB	TACK BOARD
WB	WHITE BOARD
WEWH	WALL MTD. EYEWASH WITH DRENCH HOSE

#### LLATION OF OWNER PROVIDED PS, SINKS, AND RELATED TE DEMOLITION AND NEW

CHANICALLY ATTACH TO WALL

EVICES K BOARD / WHITE BOARD. SEE

VATIONS FOR MOUNTING CK B-682, SURFACE-MOUNTED H STAINLÉSS STEEL LY ATTACH TO WALL WITH

XY-RESIN COUNTER TOPS. S TO WALL WITH BOLTS, SCREWS 16. NOT USED 17. RELOCATED OR NEW SAFETY EQUIPMENT AND SIGNAGE

BASE

L DEMOLITION AND NEW WORK 18. PAINT ALL WALLS THIS ROOM AND INSTALL NEW RUBBER COVE

22. NEW FIRE EXTINGUISHER CABINET

23. NEW EXPOXY-RESIN PEGBOARD

24. NEW WHITE BOARD. SEE 1/A201

19. NEW EPOXY-RESIN COUNTER TOP

20. NEW WOOD CABINETRY, EPOXY-RESIN COUNTERTOP AND

WITH BOLTS, SCREWS OR OTHER DEVICES

EPOXY-RESIN SINK. MECHANICALLY ATTACH CABINETS TO WALL

21. NEW 6" STL. STUD WALL WITH EPOXY-RESIN TOP. SEE ELEVATIONS

25. EXISTING LAB TABLE, RELOCATED

- 26. NOT USED

- 27. EXISTING LOCKERS, RELOCATED

33. PAINT NEW WALL AND INSTALL RCB

DRAWINGS AND SCHEDULE

31. RELOCATED OR NEW SAFETY CABINETS. SEE ELEVATIONS

36. NO BASE CABINETS. LEAVE OPEN FOR CLEAN-OUT ACCESS

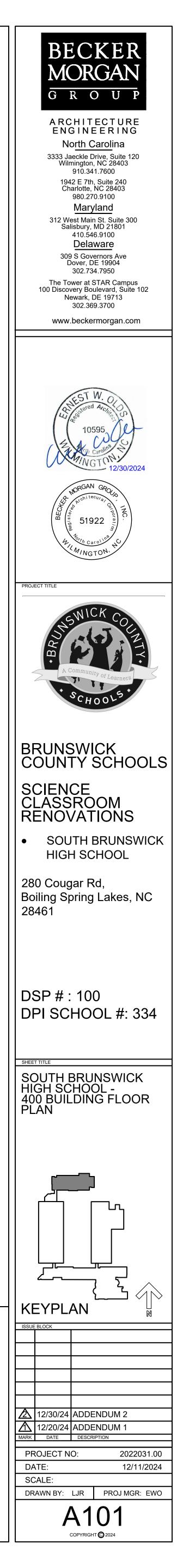
- 28. WHEELED PLASTIC TUB CART FOR CHEMICAL TRANSFER. SEE

- SPECIFICATIONS

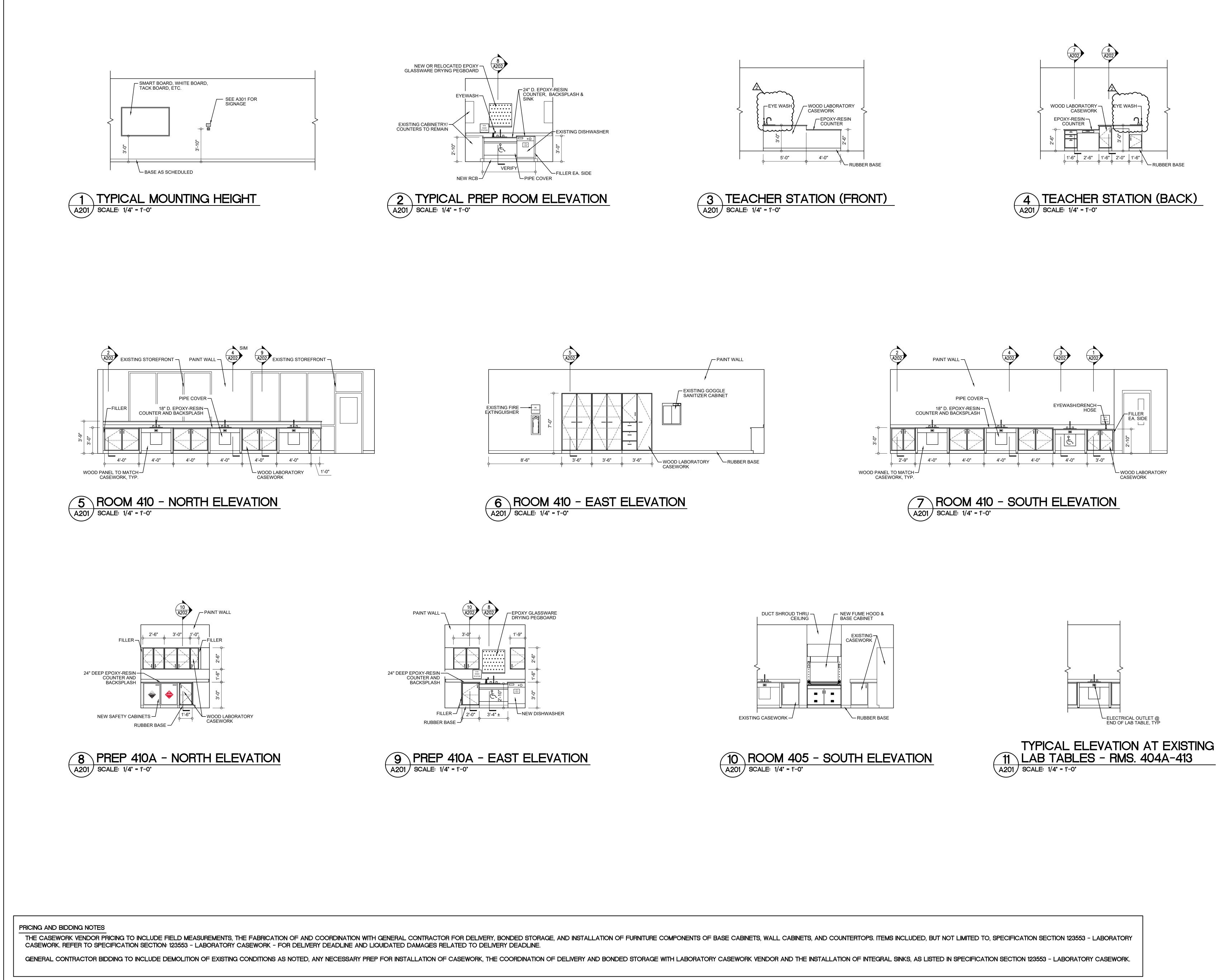
29. NOT USED

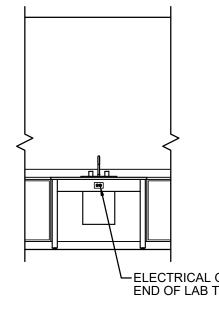
30. NOT USED

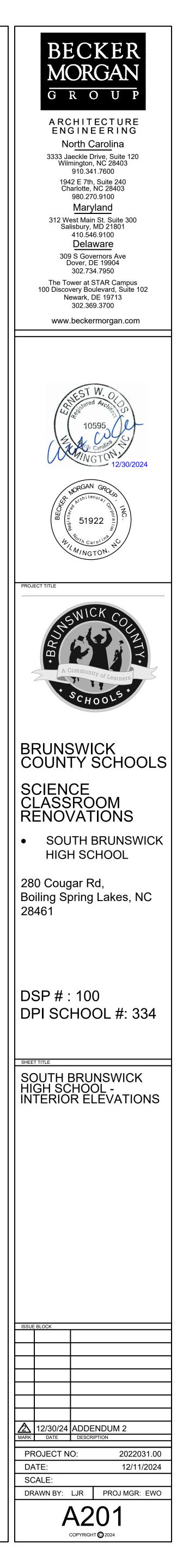
32. NOT USED

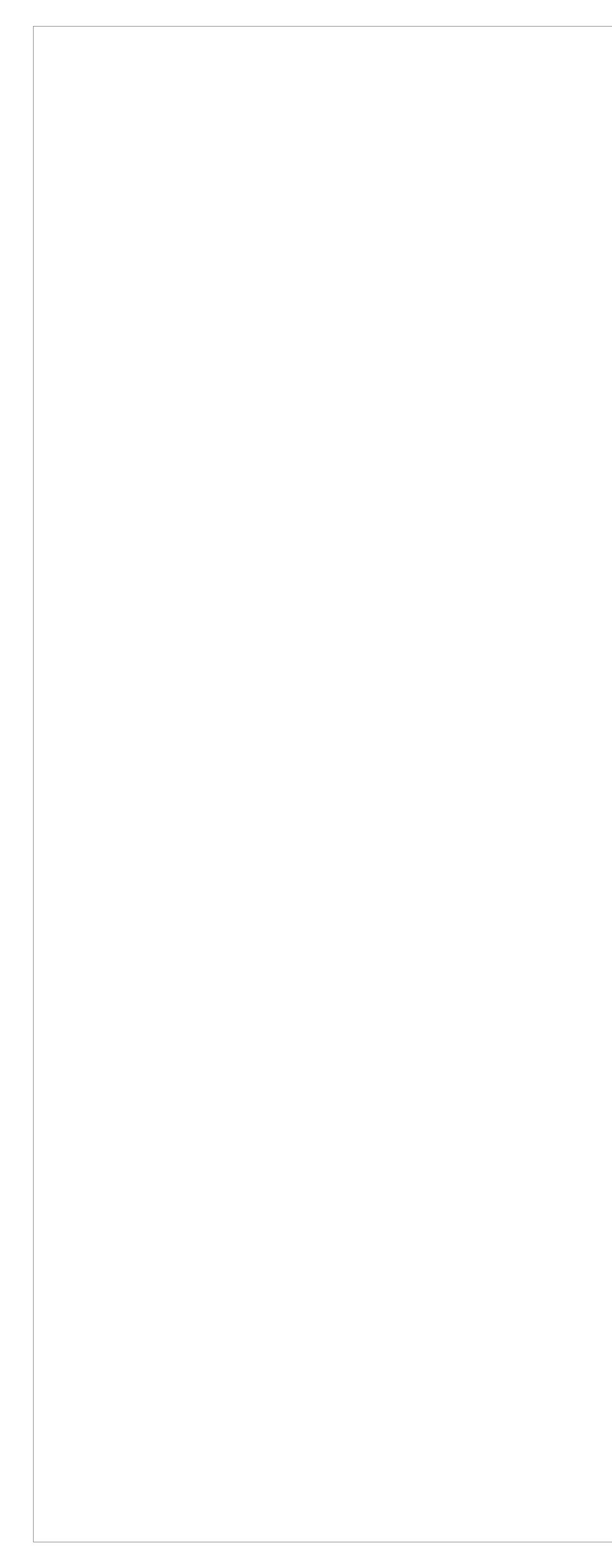


34. NEW EMERGENCY SHUT-OFF BUTTON. SEE ELECTRICAL DRAWINGS 35. ACCESSIBLE SHOWER/EYE WASH. COORDINATE WITH PLUMBING









- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUI AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INST/ RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIE PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS.
- PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AN CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTA
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COM PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENER
- CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON T
- SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRAD PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, F INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRAM MAINTENANCE AND SERVICING OF EQUIPMENT.
- ). LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING A STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB B
- CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORK
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVI PRIOR TO FINAL INSPECTION.
- EXISTING BUILDINGS AND CONSTRUCTION:

ACCOMMODATE INTERFERENCES.

- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICAT RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT. EXISTING FINISHES AS REQUIRED. D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARE

## **GENERAL PLUMBING DEMOLITION NOTES**

THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQU COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSOF LTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHO REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED T THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DF F EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE COR CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION

WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER II UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE RE SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMP INTAIN SERVICE.

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMP</u> SOME UNUSUAL CONDITIONS MAY EXIST.

DRAWING CODE	FIXTURE		DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED MANUFACTURERS	NOTES	DCW		SIZE WASTE	
		BOWL	16"x12" LAB SINK. CORNER DRAINED. EPOXY RESIN FINISH	DURCON	SNKD-15C			DCVV	DIW	WASTL	
SK1	1-COMPARTMENT COUNTERTOP LAB		SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
		BOWL	14"x14" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-A07	-					-
SK2	1-COMPARTMENT COUNTERTOP LAB SINK, ADA	FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC. BL-5705-03 -		-	1,2,3,4,	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	0.E.S	-					
		BOWL	18"x14" LAB SINK, CENTER DRAIN, EPOXY RESIN FINISH	DURCON	SNKD-24C	-			1/2" 2" 1/2" 2" 1-1/4" - 1/2" -		
SK3	1-COMPARTMENT COUNTERTOP LAB SINK	FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4	1/2"	1/2"	1/2"       2"       2"         1-1/4"       -       -         1/2"       -       -         1/2"       -       -         1/2"       -       -         1/2"       -       -         1/2"       -       -         1/2"       -       -         1/2"       -       -         -       MATCH       -	
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-					
DS1	COMBINATION EYE/FACE WASH DRENCH SHOWER	FIXT	GALVANIZED STEEL PIPE WITH SAFETY YELLOW COATING, STAY OPEN BALL VALVE, 8' REINFORCED PVC WITH A MAXIMUM WORKING PRESSURE OF 300 PSI, INCLUDES BRACKET WITH SPRING TIPS TO HOLD UNIT ON WALL.	GUARDIAN	<u>G5026</u>	BRADLEY, ACORN		1-1/4"	1-1/4"	-	-
EW1	COUNTERTOP MOUNT EYE WASH	FIXT	POLISHED, CHROME PLATED BRASS, DECK MOUNT, SWIVEL	GUARDIAN	G1806	BRADLEY, ACORN		1/2"	1/2"	-	+-
EW2	EYEWASH/DRENCH HOSE	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE MEETING ANSI Z358.1-2014 WITH THERMOSTATIC MIXING VALVE, 8 FOOT HOSE	GUARDIAN	<u>G5022</u>	GUARDIAN, ACORN		1/2"	1/2"	-	-
WCO	WALL CLEANOUT	FIXT	ROUND S/S ACCESS COVER & SCREW, RECESS BRONZE THRD. PLUG	SIOUX CHIEF	870	ZURN, SMITH		-	-	MATCH	-
FD1	FLOOR DRAIN	FIXT	FINISHLINE ADJUSTABLE, SCH. 40 HUB CONNECTION, ABS/PVC BASE ADAPTER, ROUND NICKEL BRONZE STRAINER [TRAP PRIMER CONNECTION]	SIOUX CHIEF	832	ZURN, SMITH	6	-	-	МАТСН	-
NOTES	<ol> <li>COORDINATE WITH MILLWORK.</li> <li>COORDINATE ADA MILLWORK ENC</li> <li>PROVIDE 1/2" IPS X 3/8" OD ANGLE</li> </ol>	LOSURE FOF BRASS STOF	SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED. R WATER AND DRAIN PIPING UNDER SINK. P(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED. ABLE. MOUNTING HEIGHT SHALL MEET THE REQUIREMENTS FOR ADA ACCESSIBILITY.								

	PLUME	SING ABBREVIATIONS
QUIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
YSTEMS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITTANCE VALVE
	A.F.F.	ABOVE FINISHED FLOOR
EAN THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESISTANT CAST IRON
	ADA	AMERICANS WITH DISABILITIES ACT
STALLATION. HOWEVER, CONTRACTOR IS RIES TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	вт	BATHTUB
FAR AS THEY APPLY:	C.I.	CAST IRON
	СО	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC COLD WATER
AND PAY FOR SAME. FURNISH A FINAL	DHW	DOMESTIC HOT WATER
TANCE OF THE WORK.	DIA.	DIAMETER
OMPLETION AND FINAL INSPECTION.	E.C.I.	ENAMELED CAST IRON
ERAL CONTRACTOR. UNDER NO	EC	ELECTRICAL CONTRACTOR
	EWC	ELECTRIC WATER COOLER
I THE DRAWINGS ARE APPROXIMATE UNLESS	EWH	ELECTRIC WATER HEATER
	FCO	FLOOR CLEANOUT
S, PIPING, ETC. AS REQUIRED TO PROPERLY		
RANGEMENT AND TO FACILITATE PROPER	FD	
ANGEMENT AND TO FACILITATE PROPER	FS	FLOOR SINK
AGENCY WHERE REQUIRED.	GA.	GAUGE
	GAL.	GALLON
NG MATERIALS TO BE INSTALLED UNDER 3 BEFORE ANY MATERIAL MAY BE RECEIVED.	GC	GENERAL CONTRACTOR
	GCO	GRADE CLEANOUT
AN, REPLACE OR REPAIR ALL SURFACES	GPF	GALLONS PER FLUSH
	GPH	GALLONS PER HOUR
VIDE DRAWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS PER MINUTE
	GWH	GAS-FIRED WATER HEATER
	НВ	HOSE BIBB
CATED IS DEVELOPED FROM EXISTING K. VERIFY ALL EXISTING CONDITIONS AND	INCL.	INCLUDED
K. VERIFY ALL EXISTING CONDITIONS AND	KS	KITCHEN SINK
	LAV	LAVATORY
	LP	LIQUID PROPANE
T. PROVIDE CUTTING AND PATCHING FOR	MS	MOP SERVICE BASIN
	NAT.	NATURAL GAS
ARRANGEMENTS AS REQUIRED TO	NKL.	NICKEL
	NON SIMULT.	NON SIMULTANEOUS
	O.F.L.C.	OPEN FRONT LESS COVER
	OB	OUTLET BOX
	OC	ON CENTER
	ORDL	OVERFLOW ROOF DRAIN LEADER
	PC	PLUMBING CONTRACTOR
QUIREMENTS AND LAYOUT HIS WORK IN A ORIES, ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE BALANCED
HOWN, HOWEVER, THIS CONTRACTOR SHALL	RCVY.	RECOVERY
ENGINEER. SURVEY THE AFFECTED AREAS	RDL	ROOF DRAIN LEADER
	SA	WATER HAMMER ARRESTOR
D TO BE REMOVED.	SH	SHOWER
DRAWINGS AND LIMITED FIELD VERIFICATION	SK	SINK
DRRECT. NOTWITHSTANDING, THE PLUMBING ONS AFFECTING HIS WORK.	SLD.	SLIDE
E PREMISES, THEY SHALL REMAIN OR BE	SS	STAINLESS STEEL
R IMMEDIATELY IF SUCH CONDITIONS ARE	TDH	TOTAL DYNAMIC HEAD
	UR	URINAL
REQUIRED PRIOR TO ANY OUTAGE OF MPORARY CONNECTIONS AS REQUIRED TO	V	VENT
	VB	VACUUM BREAKER
MPLETELY DEPICTED ON THE DRAWINGS AND	VC	VITREOUS CHINA
	VR	VANDAL RESISTANT
	VTR	VENT THROUGH ROOF
	W	WASTE
	WC	WATER CLOSET
	WCO	

PLUMBING LEGENI	C
-----------------	---

WALL CLEANOUT

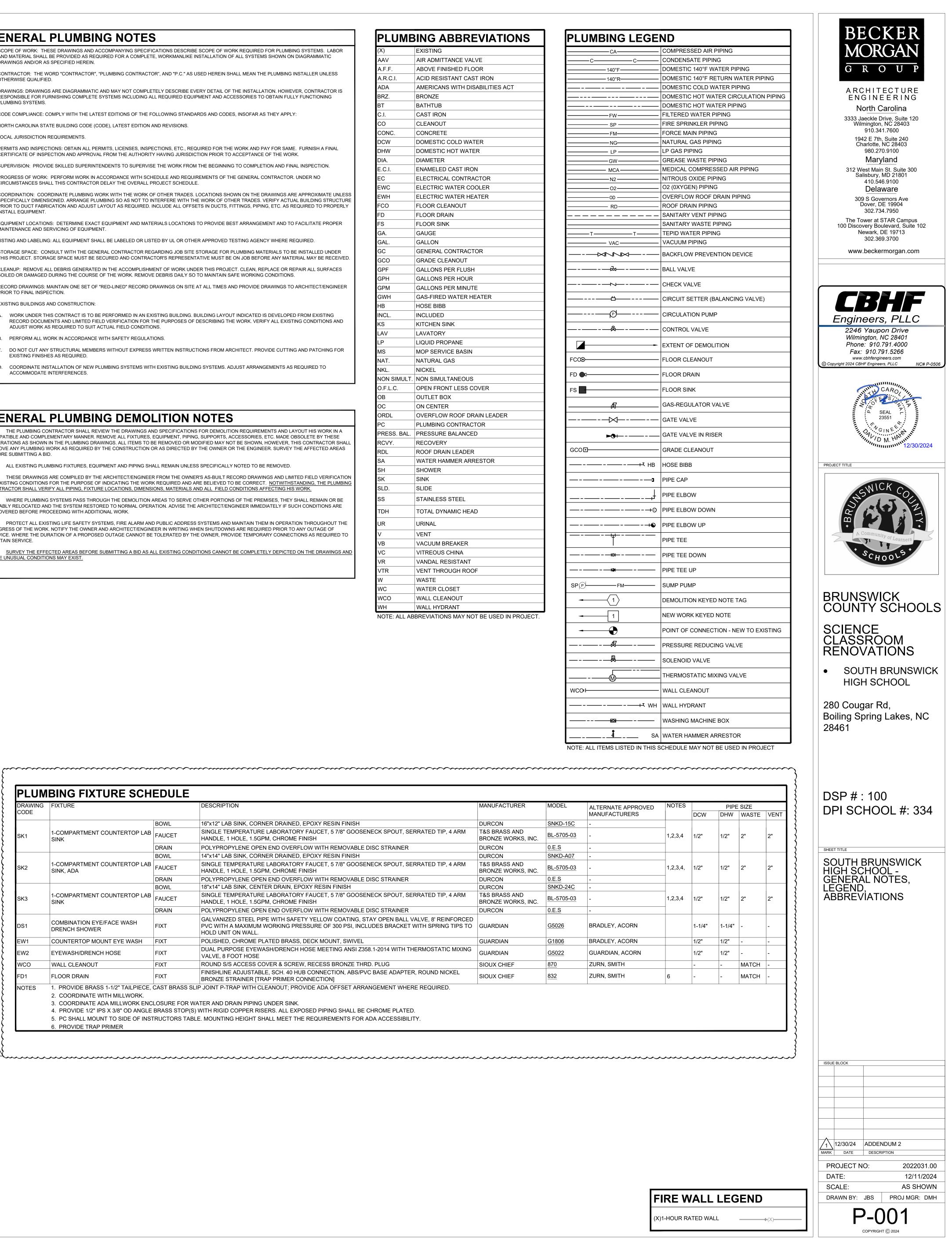
WALL HYDRANT

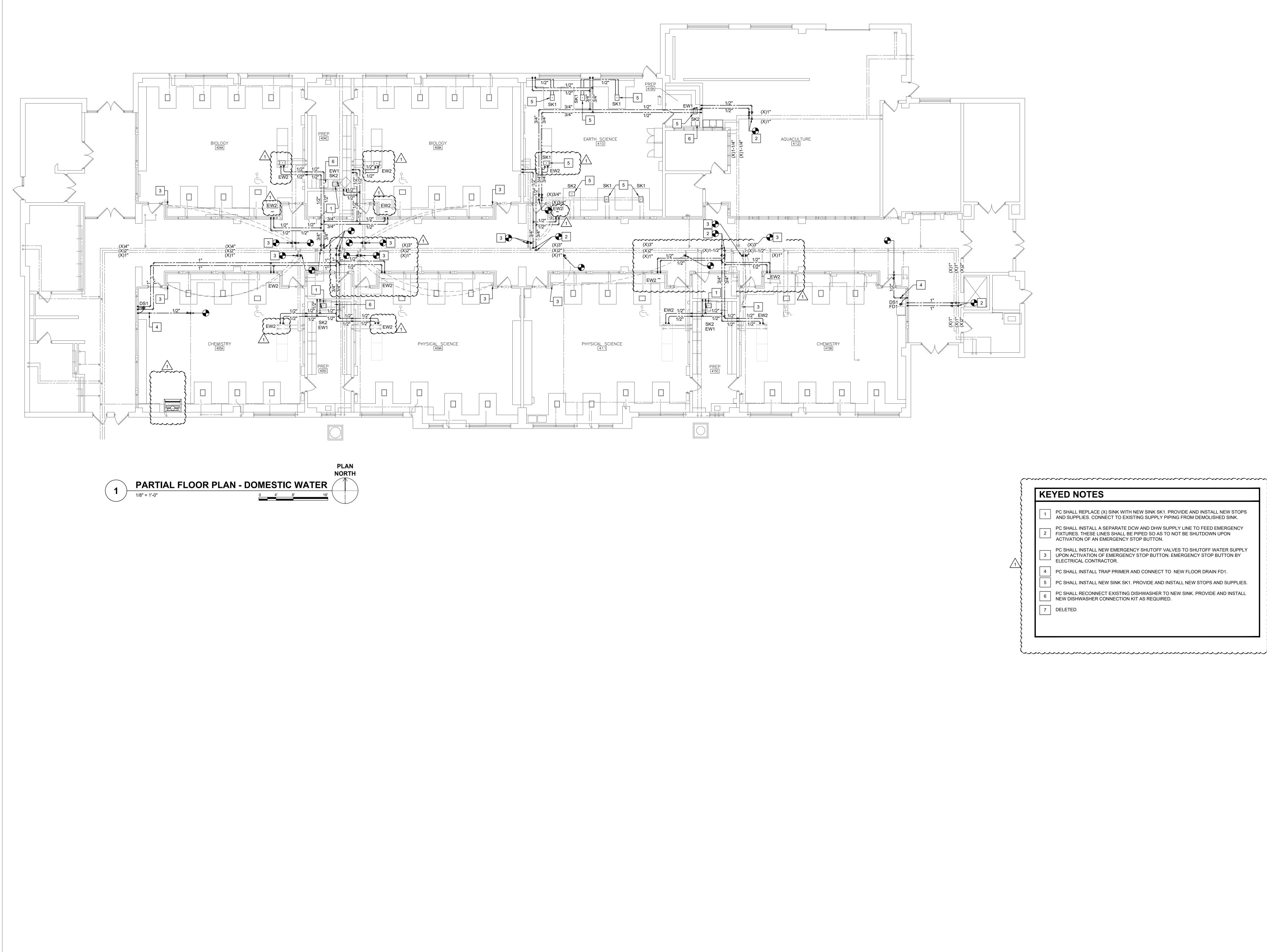
NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

WCO

PLUMBING LEGE	ND
CA	COMPRESSED AIR PIPING
CC	CONDENSATE PIPING DOMESTIC 140°F WATER PIPING
	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER CIRCULATION PIPIN
	DOMESTIC HOT WATER CIRCULATION PIPIN DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING
SP	
FM	FORCE MAIN PIPING NATURAL GAS PIPING
LP	LP GAS PIPING
GW	GREASE WASTE PIPING
MCA N2	MEDICAL COMPRESSED AIR PIPING
	O2 (0XYGEN) PIPING
OD	OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING
	SANITARY WASTE PIPING
TT	TEPID WATER PIPING
VAC	VACUUM PIPING
	BALL VALVE
p 	
FCCO-	EXTENT OF DEMOLITION FLOOR CLEANOUT
	FLOOR DRAIN
FS FS	FLOOR SINK
	GAS-REGULATOR VALVE
₽ 	GATE VALVE
	GATE VALVE IN RISER
GCOD	GRADE CLEANOUT
	HOSE BIBB
	PIPE CAP
	PIPE ELBOW
	PIPE ELBOW DOWN
+ <b>o</b>	PIPE ELBOW UP
<u> </u>	PIPE TEE
 	PIPE TEE DOWN
	PIPE TEE UP
SP(PFM	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
<u> </u>	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
Q	PRESSURE REDUCING VALVE
<u>_</u>	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCOI	WALL CLEANOUT
	WALL HYDRANT
	WASHING MACHINE BOX
\$A	WATER HAMMER ARRESTOR
	SCHEDULE MAY NOT BE USED IN PROJECT

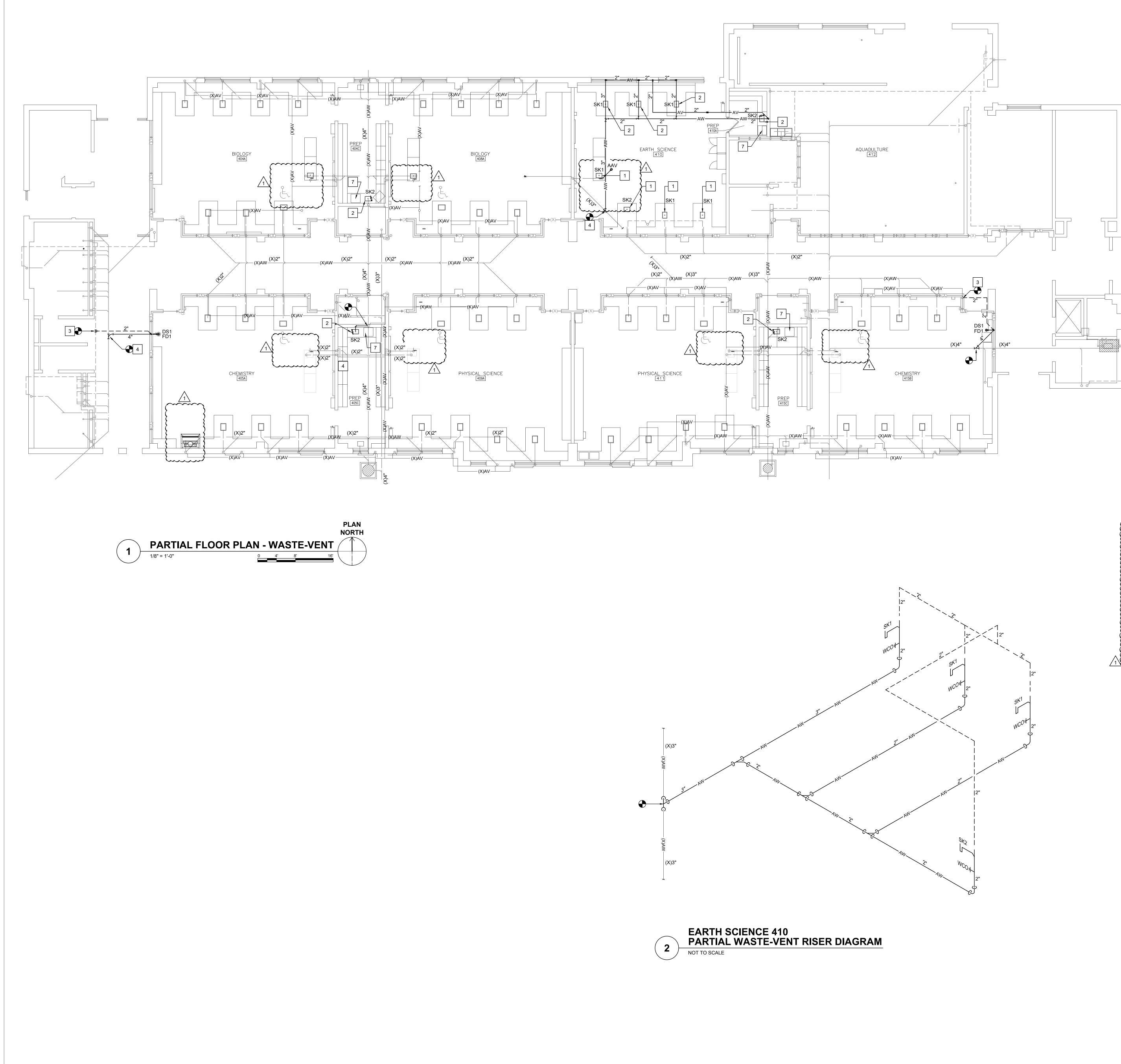
-----+(X)-



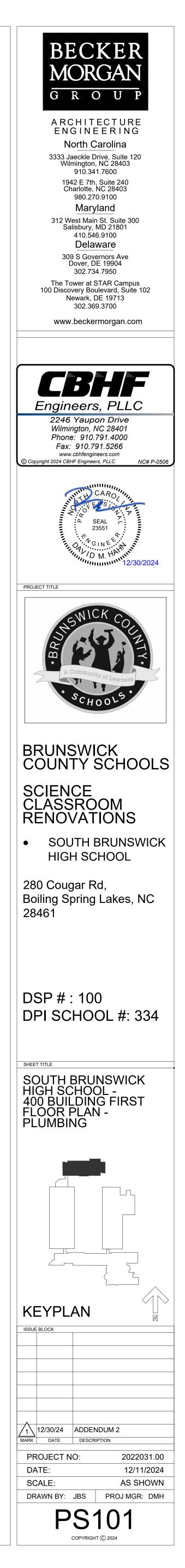


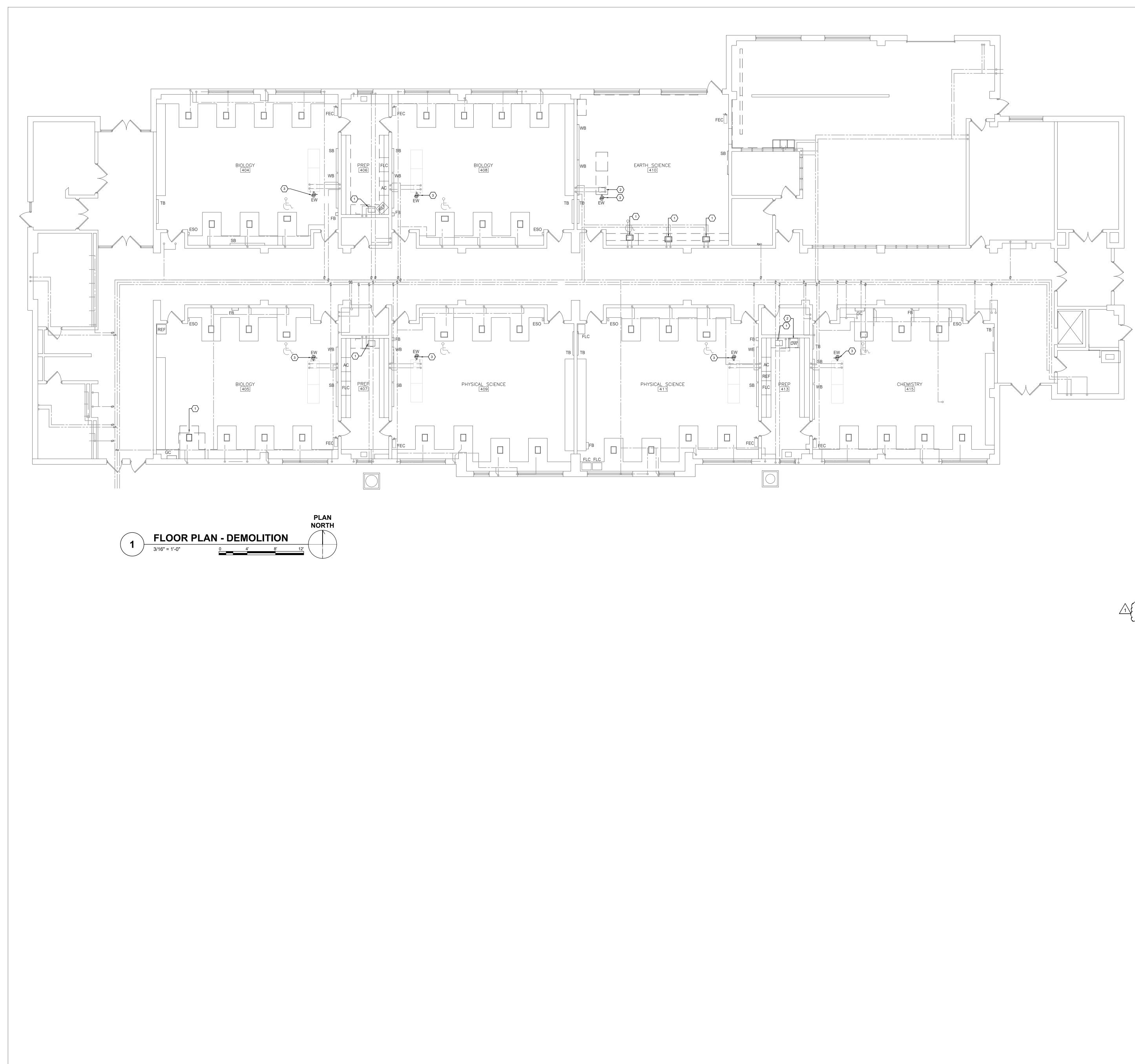
1	PC SHALL REPLACE (X) SINK WITH NEW SINK SK1. PROVIDE AND INSTALL NEW STOPS AND SUPPLIES. CONNECT TO EXISTING SUPPLY PIPING FROM DEMOLISHED SINK.
2	PC SHALL INSTALL A SEPARATE DCW AND DHW SUPPLY LINE TO FEED EMERGENCY FIXTURES. THESE LINES SHALL BE PIPED SO AS TO NOT BE SHUTDOWN UPON ACTIVATION OF AN EMERGENCY STOP BUTTON.
3	PC SHALL INSTALL NEW EMERGENCY SHUTOFF VALVES TO SHUTOFF WATER SUPPLY UPON ACTIVATION OF EMERGENCY STOP BUTTON. EMERGENCY STOP BUTTON BY ELECTRICAL CONTRACTOR.
4	PC SHALL INSTALL TRAP PRIMER AND CONNECT TO NEW FLOOR DRAIN FD1.
5	PC SHALL INSTALL NEW SINK SK1. PROVIDE AND INSTALL NEW STOPS AND SUPPLIES
6	PC SHALL RECONNECT EXISTING DISHWASHER TO NEW SINK. PROVIDE AND INSTALL NEW DISHWASHER CONNECTION KIT AS REQUIRED.
7	DELETED





	YED NOTES
1	PC SHALL INSTALL NEW SINK. PROVIDE AND INSTALL NEW TRAPS, ARMS, ETC AND CONNECT TO EXISTING WASTE-VENT PIPING. PROVIDE NEW AIR ADMITTANCE VALVES (AAV) AT ISLAND TEACHER STATION SINKS.
2	PC SHALL INSTALL NEW SINK. PROVIDE AND INSTALL NEW TRAPS, ARMS, AND APPURTENANCES. INSTALL NEW WASTE-VENT PIPING AS INDICATED ON PLAN.
3	PC SHALL CONNECT NEW VENT PIPING TO (X)VENT PIPING ABOVE CEILING.
4	PC SHALL CONNECT NEW WASTE PIPING TO (X)WASTE PIPING BELOW FLOOR.
5	DELETED
6	DELETED
7	PC SHALL RECONNECT EXISTING DISHWASHER TO NEW SINK. PROVIDE AND INSTALL NEW DISHWASHER CONNECTION KIT AS REQUIRED.



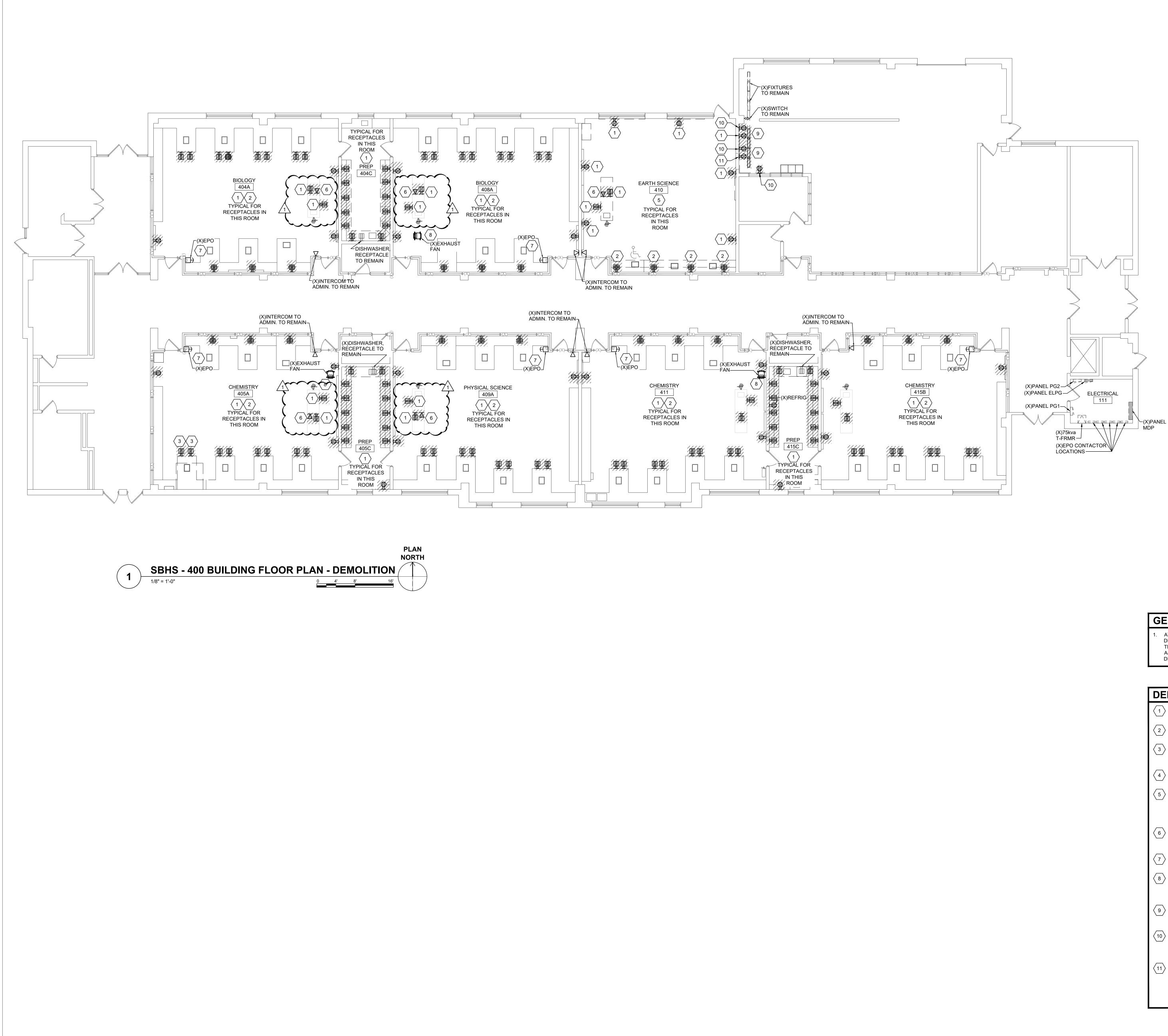


## DEMOLITION KEYED NOTES

P.C. SHALL REMOVE EXISTING COUNTERTOP SINK, FAUCET, SUPPLIES, TRAP, ETC. BACK TO STOPS AND RISER INSIDE OF WALL. 2 P.C. SHALL DISCONNECT, REMOVE, STORE AND PROTECT DISHWASHER. SEE NEW WORK PLANS FOR RECONNECTION. 3 P.C. SHALL REMOVE EXISTING EYEWASH, SUPPLIES AND DRAIN.

4 P.C. SHALL REMOVE EXISTING COUNTERTOP SINK, FAUCET, SUPPLIES, TRAP, ETC. BACK TO STOPS AND RISER INSIDE OF WALL.



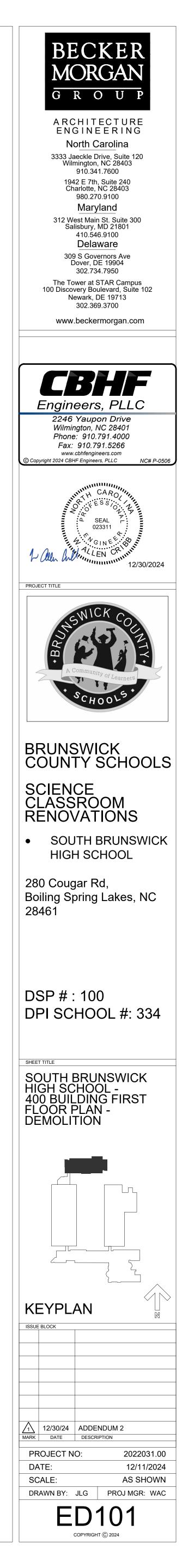


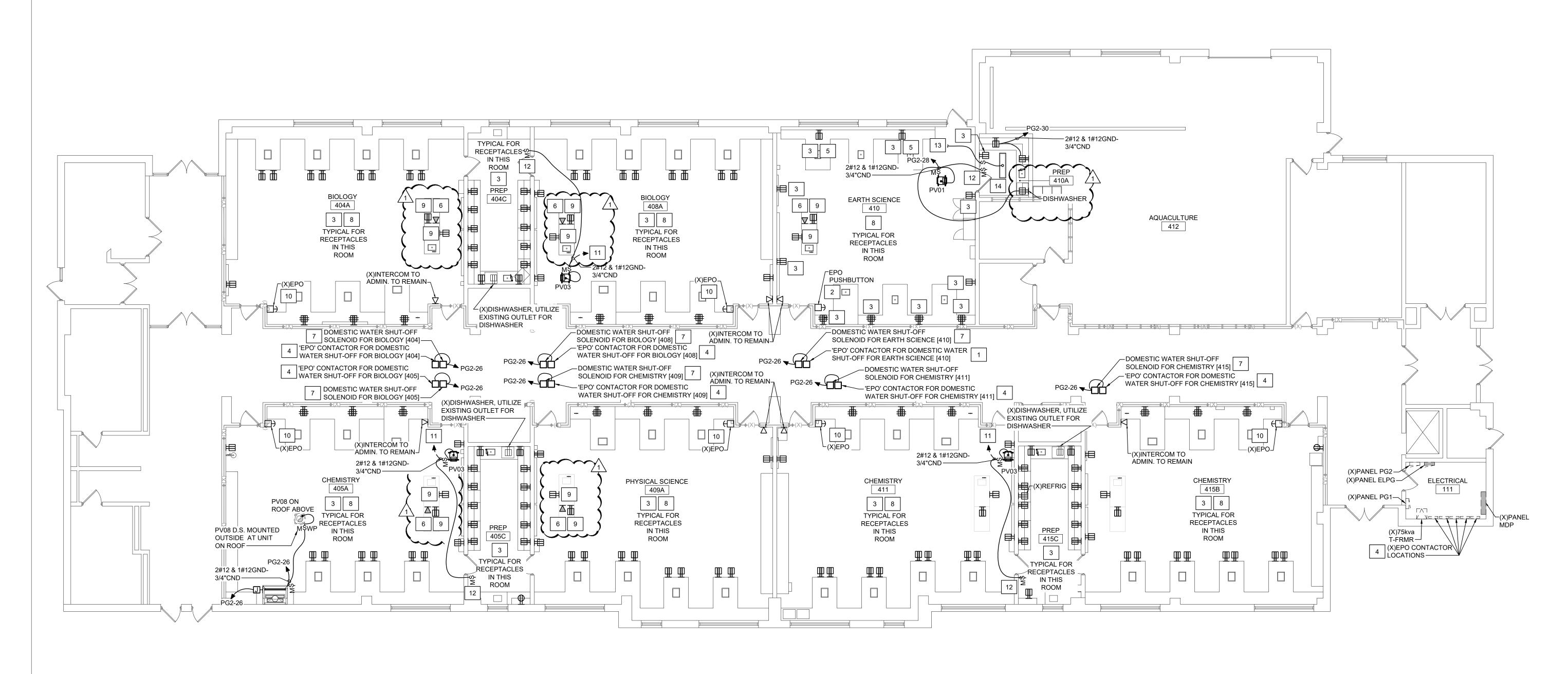
#### GENERAL NOTES

ATTEMPT HAS BEEN MADE TO LOCATE AND SHOW ALL RECEPTACLE AND DATA DEVICES ON THESE PLANS AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DEVICE LOCATIONS, CIRCUITS, AND WIRING ASSOCIATED WITH WORK IN ROOMS SHOWN FOR THIS PROJECT AND REPLACE ALL DEVICES EVEN IF NOT INDICATED ON PLANS.

#### DEMOLITION KEYED NOTES

- DUPLEX/GFI RECEPTACLE: REMOVE FACE PLATE AND RECEPTACLE, PROTECT BOX, CONDUIT AND CONDUCTORS FOR RECONNECTION.
- 2 QUADRAPLEX/GFI RECEPTACLES: REMOVE FACE PLATE AND RECEPTACLE, PROTECT BOX, CONDUIT AND CONDUCTORS FOR RECONNECTION.
- (3) DUPLEX/GFI RECEPTACLE: REMOVE FACE PLATE AND RECEPTACLE, BOX, CONDUIT AND CONDUCTORS IN ENTIRETY. MAINTAIN CONTINUITY OF CIRCUITRY UPSTREAM AND DOWNSTREAM OF DEVICES BEING REMOVED.
- $\langle 4 \rangle$  NOT USED.
- (5) RECEPTACLE CIRCUITS MUST BE REWORKED TO BE CONTROLLED VIA EMERGENCY POWER OFF PUSH BUTTON AND CONTACTOR, SEE NEW WORK POWER FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL RECEPTACLE CIRCUITRY SO THAT THE CIRCUITS CAN BE ROUTED THRU A CONTACTOR DURING CONSTRUCTION.
- 6 DATA OUTLET: ISLAND CASEWORK IS TO BE REPLACED. REMOVE DEVICE CONDUIT AND CONDUCTORS DURING DEMOLITION AND PROTECT FOR RE-USE/RE-INSTALLATION.
- $\langle 7 \rangle$  EPO BUTTON: DISCONNECT CABLE AND REMOVE PUSHBUTTON, PROTECT CABLE FOR REUSE.
- EXHAUST FAN: DISCONNECT CONDUIT AND CONDUCTORS AND REMOVE TO NEAREST JUNCTION POINT IN AREA, PROTECT FOR REUSE. CONTRACTOR MUST VERIFY CIRCUIT PRIOR TO REMOVAL OF FAN. REMOVE CONTROLLER, CONDUIT AND CONDUCTORS IN ENTIRETY.
- (9) EXISTING LIGHT FIXTURES: REMOVE FIXTURES, CONDUIT AND CABLES IN ENTIRETY TO NEAREST JUNCTION POINT ABOVE CEILING. MAINTAIN CONTINUITY OF CIRCUITRY UPSTREAM AND DOWNSTREAM OF REMOVED LIGHT FIXTURES.
- (10) SURFACE MOUNTED RECEPTACLES: REMOVE DEVICE, BOX, CONDUIT AND CONDUCTORS TO NEAREST JUNCTION BOX ABOVE CEILING AND PROTECT DURING DEMOLITION FOR EXTENSION AND RE-USE. MAINTAIN CONTINUITY OF CIRCUITRY UPSTREAM AND DOWNSTREAM OF DEVICES BEING REMOVED.
- (11) DUPLEX/GFI RECEPTACLE: REMOVE FACE PLATE, RECEPTACLE, BOX, CONDUIT AND CONDUCTORS IN ENTIRETY SO THAT A DOORWAY CAN BE CUT INTO BLOCK WALL. MAINTAIN CONTINUITY OF CIRCUITRY UPSTREAM AND DOWNSTREAM OF DEVICES BEING REMOVED.CONTRACTOR MUST KEEP THE UPSTREAM AND DOWNSTREAM CIRCUITRY IN PLACE UPON THE END OF DEMOLITION.







TYPE: BOLT-ON DOOR-IN-DOOR, HINGED FRONT COVER	208 MOUNT: FEED:	120 SURFACE	V,   Ξ	3	PH,	4	WIRE		PROVIDE CHECKEI	
	LOAD	CKT	CKT	-	LOAD VA		СКТ	CKT	LOAD	
LOAD SERVED	VA	BKR	#	A	В	С	#	BKR	VA	LOAD SERVED
(X)RCPT: RM 417, 418		20/1	1		0		2	20/1		(X)RCPT: RM 416
(X)RCPT: RM 512 (X)RCPT: RM 512		20/1	3 5		0		4	20/1		(X)RCPT: RM 416 (X)RCPT: RM 416
(X)RCPT: RM 417		20/1	5		0		0 6 8	20/1 20/1		(X)RCPT: RM 410
(X)RCPT: RM 417 (X)RCPT: RM 424		20/1	7 9		0 0		8	20/1		(X)RCPT: RM 422 (X)RCPT: RM 420, 422
(X)RCPT: RM 424		20/1	9 11		0		0 12	20/1		(X)RCPT: RM 420, 422
(X)RCPT: RM 423 TEACHER'S TABLE		20/1	13		0		14	20/1		(X)/XOF 1. KM 422 (X)DW RM 422
(X)RCPT: RM 423 LAB WALL		20/1	15		0		14	20/1		(X)EXISTING CIRCUITRY
(X)RCPT: RM 423 LAB TABLES		20/1	15		0		0 18	20/1		(X)EXISTING SINCOTING (X)RCPT: RM 427
(X)EXHAUST FAN 327, RM 423		20/1	19		0		20	20/1		(X)AQUA FILTER PUMP
(X)EXHAUST FAN 327, RM 426		15/1	21		0		20	2010		
(X)EXHAUST FAN 327, RM 427, RM 515		15/1	23		0		0 24			
(X)RCPT: RM 419		20/1	25		0		26	20/1		(X)SPARE
(X)RCPT: RM 419 DEDICATED		20/1	27		0		28	=		(X)SPACE
(X)SPARE		20/1	29				0 30	-		(X)SPACE
NOTES:	1	=0/1			0 0		0 TOTAL	V. AMPS	125	A. BUS (COPPER)
					0 0		0 CONN.			A. MAIN LUGS

TYPE: BOLT-ON DOOR-IN-DOOR, HINGED FRONT COVER	208 MOUNT: FEED:	120 SURFAC	V,   E	3	PH,	4	WIRE		PROVIDE	
	LOAD	CKT	CKT		LOAD VA		CKT	CKT	LOAD	
LOAD SERVED	VA	BKR	#	A	В	С	#	BKR	VA	LOAD SERVED
(X)RCPT: RM 417, 418		20/1	1	C			2	20/1		(X)RCPT: RM 416
(X)RCPT: RM 512		20/1	3		0		4	20/1		(X)RCPT: RM 416
(X)RCPT: RM 512		20/1	5		4	C	_	20/1		(X)RCPT: RM 416
(X)RCPT: RM 417		20/1	7	0	-		8	20/1		(X)RCPT: RM 422
(X)RCPT: RM 424		20/1	9		0		10	20/1		(X)RCPT: RM 420, 422
(X)RCPT: RM 424		20/1	11		4	C		20/1		(X)RCPT: RM 422
(X)RCPT: RM 423 TEACHER'S TABLE		20/1	13	C	)		14	20/1		(X)DW RM 422
(X)RCPT: RM 423 LAB WALL		20/1	15		0		16	20/1		(X)EXISTING CIRCUITRY
(X)RCPT: RM 423 LAB TABLES		20/1	17			C		20/1		(X)RCPT: RM 427
(X)EXHAUST FAN 327, RM 423		20/1	19	C	)		20	20/3		(X)AQUA FILTER PUMP
(X)EXHAUST FAN 327, RM 426		15/1	21		0		22			
(X)EXHAUST FAN 327, RM 427, RM 515		15/1	23			C	24			
(X)RCPT: RM 419		20/1	25	768	3		26	20/1		PV08 RM 405 & WATER SOLENOIDS (NOTE 1)
(X)RCPT: RM 419 DEDICATED		20/1	27		168		28	20/1		PV01 RM 410, DISHWASHER RM 410A (NOTE 2)
RECEPT: ROOM 405(NOTE 1)	180	20/1	29			540	30	20/1	360	RECEPTS: PREP 410A (NOTE 2)
NOTES:				768	3 168	540	TOTAL	V. AMPS	125	5 A. BUS (COPPER)
1. CONTRACTOR MUST USE EXISTING SP	ARE BREA	KER.		6	6 1		CONN.			A. MAIN LUGS

# LOAD SUMMARY SBHS PANEL PG2

208 **EQUIPMENT** POWER VENTILATORS

FILTER PUMP DISHWASHER

EXISTING LOADS SUB-TOTAL EQUIPMENT DEMAND SUB-TOTAL EQUIPMENT DEMAND

TOTAL EQUIPMENT DEMAND

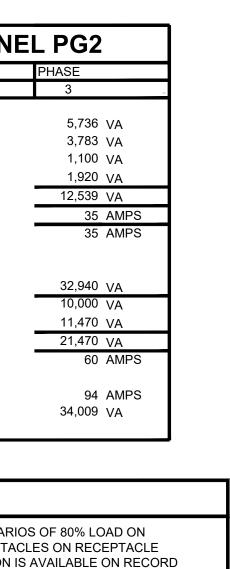
RECEPTACLES FIRST 10000VA

REMAINDER @ 50% TOTAL DEMAND FOR RECEPTACLE/POWER PANELS TOTAL DEMAND FOR RECEPTACLE/POWER PANELS

TOTAL DEMAND PANEL AMPS TOTAL DEMAND PANEL VA

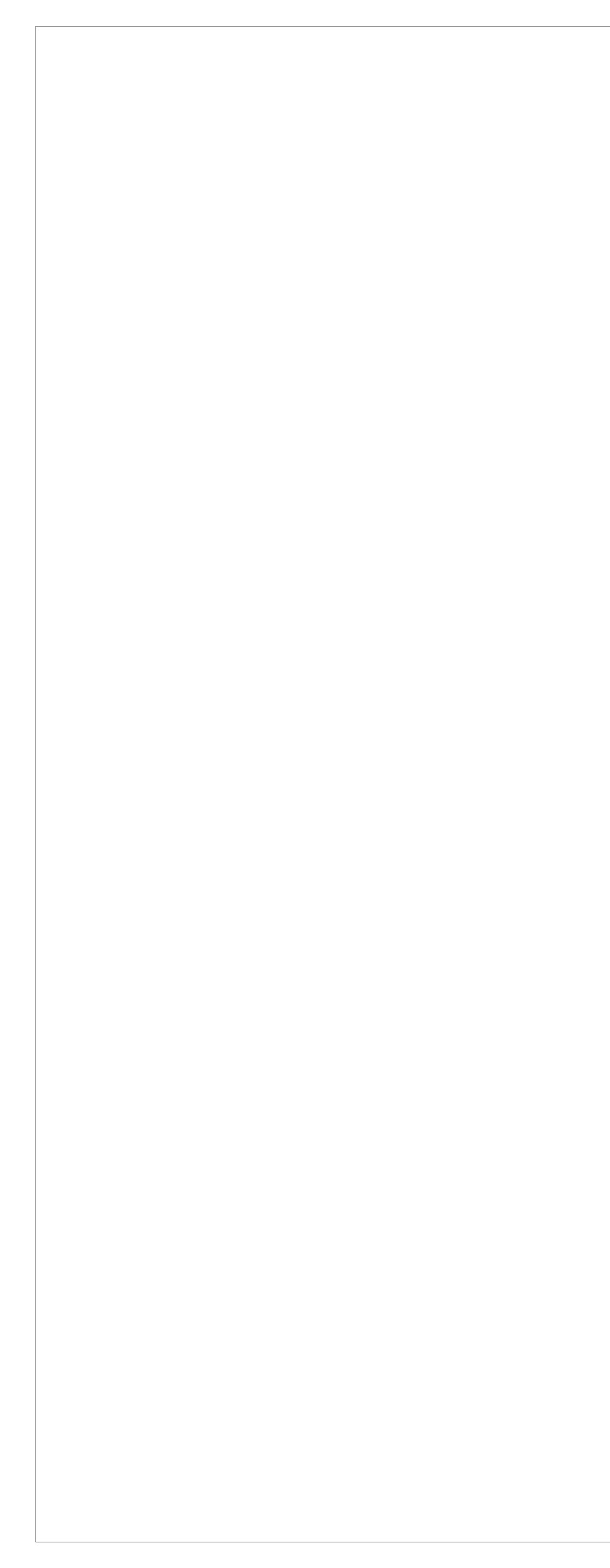
LOAD SUMMARY STATEMENT

THE ABOVE LOAD SUMMARY ASSUMES WORST CASE SCENARIOS OF 80% LOAD ON BREAKERS WHERE LOAD IS UNKNOWN AND TEN (10) RECEPTACLES ON RECEPTACLE CIRCUITS WHERE LOAD IS UNKNOWN. IF LOAD INFORMATION IS AVAILABLE ON RECORD DRAWINGS THOSE LOADS HAVE BEEN INCLUDED IN THE LOAD SUMMARY.



1. A	ITEMPT HAS BEEN MADE TO LOCATE AND SHOW ALL RECEPTACLE AND DATA
DI Ti As	EVICES ON THESE PLANS AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, HE CONTRACTOR SHALL VERIFY ALL DEVICE LOCATIONS, CIRCUITS, AND WIRING SSOCIATED WITH WORK IN ROOMS SHOWN FOR THIS PROJECT AND REPLACE ALL EVICES EVEN IF NOT INDICATED ON PLANS.
2. DI P( (E IN	ESIGN INTENT IS TO INTERCEPT THE EXISTING SCIENCE CLASSROOM RECEPTACLE OWER CIRCUITRY AND ROUTE IT THRU A CONTACTOR CONTROLLED WITH AN 'EPO' MERGENCY POWER OFF SWITCH). A NEW 120V WATER SHUTOFF SOLENOID MUST BE STALLED AND POWERED THRU THE SAME CONTACTOR. RECEPTACLES AND WATER IN HE CLASSROOM MUST SHUT OFF WHEN THE 'EPO' BUTTON IS ACTIVATED.
KE'	YED NOTES
1	EPO CONTACTOR: NEW EPO CONTACTOR MUST BE LOCATED IN ELECTRICAL ROOM 111 SEE 3/E-501. CONTACTOR IS FOR CONTROL OF RECEPTACLES AND DOMESTIC WATER SHUTOFF SOLENOID. SHOWN FOR CLARITY OUTSIDE OF CLASSROOM ON PLAN.
2	EPO PUSHBUTTON: PROVIDE PUSHBUTTON, SEE DETAIL 4/E-501. FIELD VERIFY EXACT LOCATION WITH ARCHITECT/OWNER.
3	ELECTRICAL CONTRACTOR MUST PROVIDE GFI RECEPTACLE AND FACEPLATE IN EXISTING BOX, CONNECT TO EXISTING CIRCUIT REMOVED AND PROTECTED DURING DEMOLITION.
4	EXISTING EPO CONTACTOR: EXISTING EPO CONTACTOR IS LOCATED IN ELECTRICAL ROOM 111. THE EXISTING CONTACTOR IS FOR CONTROL OF EXISTING CLASSROOM RECEPTACLES. A NEW CONTACTOR MUST BE INSTALLED TO ALSO CONTROL THE FLOW OF WATER TO EACH CLASSROOM VIA A 120V WATER SHUT OFF SOLENOID. CONTACTOR FOR WATER SHUT OFF MUST BE CONTROLLED WITH THE EXISTING RECEPTACLE CONTACTOR FOR EACH CLASSROOM. MOUNT NEW CONTACTORS ABOVE THE EXISTING CONTACTORS IN ELECTRIC 111. WATER SHUTOFF SOLENOID CONTACTOR SHOWN FOR CLARITY OUTSIDE OF CLASSROOM ON PLAN. SEE DETAIL 3/E-501.
5	ABOVE COUNTER RECEPTACLE: PROVIDE SURFACE MOUNTED EXTENSION BOX OVER EXISTING FLUSH MOUNTED RECEPTACLE BOX, EXTEND CIRCUIT IN SURFACE MOUNTED V700 RACEWAY USING LIKE CONDUCTORS TO SURFACE MOUNTED SINGLE GANG BOX AND DUPLEX RECEPTACLE 6" ABOVE COUNTER TOP. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. SEE DETAIL 5/E-501
6	DATA OUTLET: INSTALL EXISTING DATA DEVICE AND CABLING REMOVED AND PROTECTED DURING DEMOLITION IN NEW ISLAND CASEWORK.
7	DOMESTIC WATER SHUT-OFF SOLENOID: CIRCUIT FOR SHUT-OFF VALVE IN ROOM INDICATED MUST BE ROUTED THRU NEW CONTACTOR LOCATED IN ELECTRIC ROOM 11 SEE DETAIL 3/E-501 AND KEYED NOTE 4 ABOVE.
8	RECEPTACLES: ALL RECEPTACLE CIRCUITS IN ROOM INDICATED SHALL BE ROUTED THRU EPO CONTACTOR LOCATED IN ELECTRIC ROOM 111. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITS IN THIS ROOM AND ROUTE THE CIRCUITRY THRU TH CONTACTOR FOR THIS ROOM. SEE DETAIL 3/E-501
9	ELECTRICAL CONTRACTOR MUST PROVIDE GFI RECEPTACLE AND FACEPLATE IN NEW ISLAND CASEWORK LOCATION. PROVIDE BOX AND CONNECT TO EXISTING CIRCUIT/CABLING REMOVED AND PROTECTED DURING DEMOLITION.
10	EPO PUSHBUTTON: PROVIDE PUSHBUTTON, MOUNT IN EXISTING LOCATION, RECONNEC EXISTING CONDUCTORS PROTECTED DURING DEMOLITION. CONTRACTOR MUST VERI ALL RECEPTACLE IN THIS ROOM ARE BEING CONTROLLED AFTER INSTALLATION OF BUTTON IS COMPLETE.
11	POWER VENTILATOR: CONTRACTOR MUST FEED POWER VENTILATOR FROM THE CIRCUITRY IDENTIFIED DURING DEMOLITION THAT FED THE EXISTING EXHAUST FAN. EXTEND AS NECESSARY TO POWER VENTILATOR LOCATION.
12	POWER VENTILATOR SWITCH: PROVIDE SWITCH, FEED VIA SURFACE MOUNTED 2400 SERIES RACEWAY FROM ABOVE CEILING TO SURFACE MOUNTED BOX.
13	LIGHT FIXTURE FEED: FEED LIGHT FIXTURE IN ROOM PREP 410A UTILIZING THE EXISTIN LIGHTING CIRCUIT IN EARTH SCIENCE 410.
14	ROOM 410A LIGHT FIXTURE: LIGHT FIXTURE MUST BE A SURFACE MOUNTED LED AQUIT CSS L48 4000 LUMEN 35K OR EQUAL.





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUIR AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYST DRAWINGS AND/OR AS SPECIFIED HEREIN.
- 2. CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTAL RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES PLUMBING SYSTEMS.
- 4. CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS. 5. PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AND
- CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTAN 6. SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMPL
- 7. PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENERA
- CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE. 8. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON TH
- SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADE PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, F INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRANG MAINTENANCE AND SERVICING OF EQUIPMENT.
- 10. LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AG
   11. STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING I
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB BE
- 12. CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN, SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORKI
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVIE PRIOR TO FINAL INSPECTION.
   EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICAT RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. V ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- C. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT. EXISTING FINISHES AS REQUIRED.
- D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARE ACCOMMODATE INTERFERENCES.

## GENERAL PLUMBING DEMOLITION NOTES

1. THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUIRI COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSORIE ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOW REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENGI BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO
 THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DRA
 OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRI
 CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITIONS

4. WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE P SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IMM UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

5. PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN T PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE REQU SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPO MAINTAIN SERVICE.

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMPL</u> SOME UNUSUAL CONDITIONS MAY EXIST.

DRAWING CODE	FIXTURE		DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES				
		BOWL	14"x14" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-A07	MANUFACTORERS		DCW	DHVV	WASTE	VENT
SK1 1-COMPARTMENT COUNTERTOP LAB		FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-					
		BOWL	16"x12" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-15C	-					
SK2	K2 1-COMPARTMENT COUNTERTOP LAB FAUCET SINK 2 DRAIN		SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"	1/2"	2"	2"
			POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u> -						
		BOWL	16"x16" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-20	-					
SK3 1-COMPARTMENT COUNTERTOP LAB FAUCET SIN, ADA (PREP ROOM) DRAIN		FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"	1/2"	2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-					
	COMBINATION EYE/FACE WASH DRENCH SHOWER	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE FOR DECK MOUNTING. UNIT MUST MEET THE PROVISIONS OF ANSI Z358.1-2014 AS BOTH AN EYEWASH AND A DRENCH HOSE. PROVIDE FLEXIBLE STAINLESS STEEL HOSE AND UNDERCOUNTER HOSE GUIDE BRACKET.	GUARDIAN	<u>G5022</u>	BRADLEY, SPEAKMAN	5	1/2"	-	-	-
NOTES	1. PROVIDE BRASS 1-1/2" TAILPIECE, C	AST BRASS S	LIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED.								
	2. COORDINATE WITH MILLWORK.										
	3. COORDINATE ADA MILLWORK ENCL	OSURE FOR W	VATER AND DRAIN PIPING UNDER SINK.								
	4. PROVIDE 1/2" IPS X 3/8" OD ANGLE E	BRASS STOP	3) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.								

	PLUME	BING A
JIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
STEMS SHOWN ON DIAGRAMMATIC	AAV	
	A.F.F.	ABOVE FINI
AN THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESIS
	A.R.C.I.	AMERICANS
TALLATION. HOWEVER, CONTRACTOR IS		
ES TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	BT	BATHTUB
AR AS THEY APPLY:	C.I.	CAST IRON
	CO	CLEANOUT
	CONC.	CONCRETE
AND PAY FOR SAME. FURNISH A FINAL	DCW	DOMESTIC
ANCE OF THE WORK.	DHW	DOMESTIC I
MPLETION AND FINAL INSPECTION.	DIA.	DIAMETER
	E.C.I.	ENAMELED
RAL CONTRACTOR. UNDER NO	EC	ELECTRICA
	EWC	ELECTRIC V
THE DRAWINGS ARE APPROXIMATE UNLESS DES. VERIFY ACTUAL BUILDING STRUCTURE	EWH	ELECTRIC V
, PIPING, ETC. AS REQUIRED TO PROPERLY	FCO	FLOOR CLE
	FD	FLOOR DRA
ANGEMENT AND TO FACILITATE PROPER	FS	FLOOR SIN
	GA.	GAUGE
AGENCY WHERE REQUIRED.	GAL.	GALLON
G MATERIALS TO BE INSTALLED UNDER	GC	GENERAL C
BEFORE ANY MATERIAL MAY BE RECEIVED.	GCO	GRADE CLE
N, REPLACE OR REPAIR ALL SURFACES	GPF	GALLONS P
RKING CONDITIONS.	GPH	GALLONS P
/IDE DRAWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS P
	GWH	GAS-FIRED
	HB	HOSE BIBB
ATED IS DEVELOPED FROM EXISTING	INCL.	INCLUDED
VERIFY ALL EXISTING CONDITIONS AND	KS	KITCHEN SI
	LAV	LAVATORY
	LP	LIQUID PRO
. PROVIDE CUTTING AND PATCHING FOR	MS	MOP SERVI
	NAT.	NATURAL G
RRANGEMENTS AS REQUIRED TO	NKL.	NICKEL
	NON SIMULT.	-
	O.F.L.C.	OPEN FROM
	O.I.L.C. OB	
	-	OUTLET BO
	ORDL	OVERFLOW
JIREMENTS AND LAYOUT HIS WORK IN A	PC	PLUMBING (
RIES, ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE
OWN, HOWEVER, THIS CONTRACTOR SHALL NGINEER. SURVEY THE AFFECTED AREAS	RCVY.	RECOVERY
	RDL	ROOF DRAII
TO BE REMOVED.	SA	WATER HAN
	SH	SHOWER
RAWINGS AND LIMITED FIELD VERIFICATION RRECT. NOTWITHSTANDING, THE PLUMBING	SK	SINK
NS AFFECTING HIS WORK.	SLD.	SLIDE
E PREMISES, THEY SHALL REMAIN OR BE	SS	STAINLESS
IMMEDIATELY IF SUCH CONDITIONS ARE	трн	TOTAL DYN
N THEM IN OPERATION THROUGHOUT THE EQUIRED PRIOR TO ANY OUTAGE OF	UR	URINAL
IPORARY CONNECTIONS AS REQUIRED TO	V	VENT
	VB	VACUUM BF
PLETELY DEPICTED ON THE DRAWINGS AND	VC	VITREOUS
	VR	VANDAL RE
	VTR	VENT THRO
	W	WASTE
	WC	WATER CLC
	WCO	WALL CLEA
	wee	

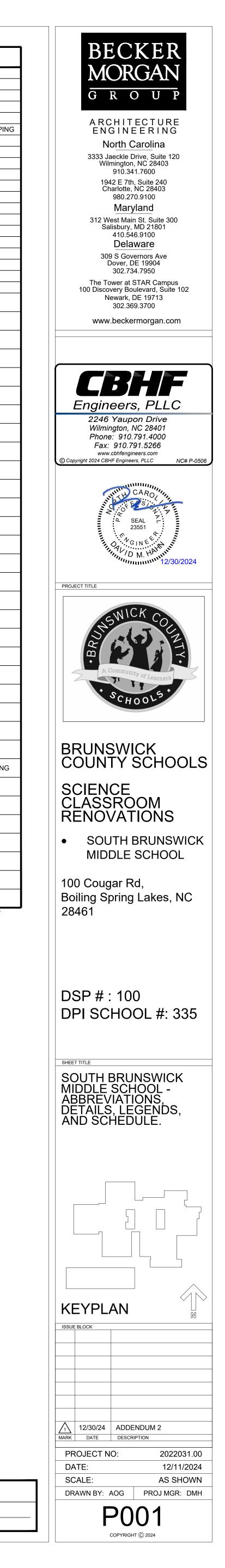
#### LUMBING ABBREVIATIONS

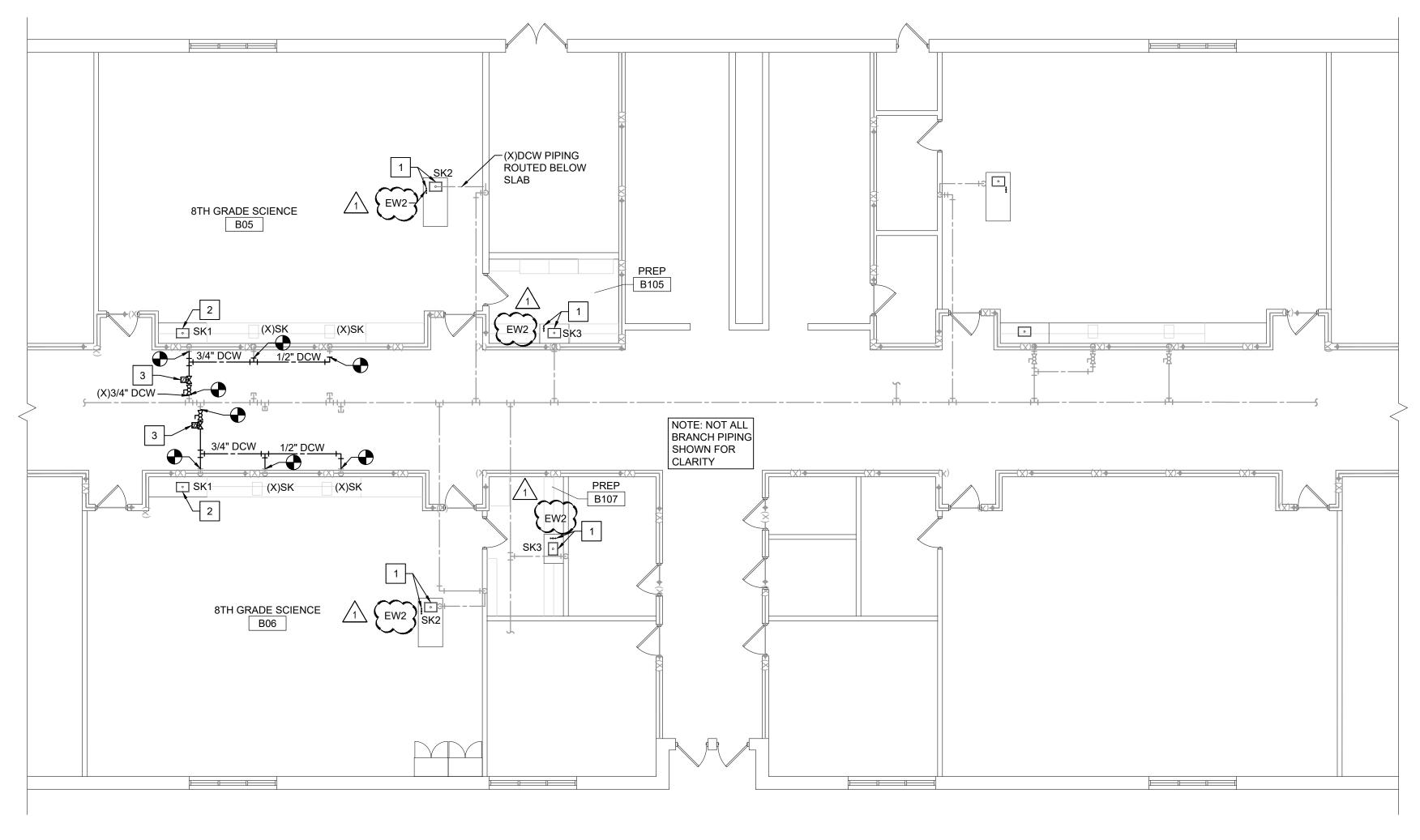
AV	
Av	AIR ADMITTANCE VALVE
.F.F.	ABOVE FINISHED FLOOR
.R.C.I.	ACID RESISTANT CAST IRON
DA	AMERICANS WITH DISABILITIES ACT
RZ.	BRONZE
Т	BATHTUB
.l.	CAST IRON
0	CLEANOUT
ONC.	CONCRETE
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
IA.	DIAMETER
.C.I.	ENAMELED CAST IRON
С	ELECTRICAL CONTRACTOR
WC	ELECTRIC WATER COOLER
WH	ELECTRIC WATER HEATER
CO	FLOOR CLEANOUT
D	FLOOR DRAIN
S	FLOOR SINK
A.	GAUGE
AL.	GALLON
С	GENERAL CONTRACTOR
СО	GRADE CLEANOUT
PF	GALLONS PER FLUSH
PH	GALLONS PER HOUR
PM	GALLONS PER MINUTE
WH	GAS-FIRED WATER HEATER
В	HOSE BIBB
ICL.	INCLUDED
S	KITCHEN SINK
AV	LAVATORY
P	LIQUID PROPANE
0	MOP SERVICE BASIN
5	
S AT.	NATURAL GAS
AT. KL.	NATURAL GAS
AT. KL. ON SIMULT.	NATURAL GAS NICKEL
AT.	NATURAL GAS NICKEL NON SIMULTANEOUS
AT. KL. ON SIMULT. .F.L.C.	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER
AT. KL. ON SIMULT. I.F.L.C. B	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX
AT. KL. ON SIMULT. F.L.C. B C RDL	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER
AT. KL. ON SIMULT. F.L.C. B C RDL C	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER
AT. KL. ON SIMULT. F.L.C. B C RDL C RESS. BAL.	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY.	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED
AT. KL. ON SIMULT. F.L.C. B C RDL C RESS. BAL. CVY. DL	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER
AT. KL. ON SIMULT. F.L.C. B C RDL C RESS. BAL. CVY. DL A H	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD.	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C R	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C R R TR /	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C R B C R TR / /C	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF WASTE WATER CLOSET
AT. KL. ON SIMULT. I.F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C R B C R TR / / / / / / / / / / / / /	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF WASTE WATER CLOSET WALL CLEANOUT
AT. KL. ON SIMULT. .F.L.C. B C RDL C RESS. BAL. CVY. DL A H K LD. S DH R B C R TR / /C /CO /H	NATURAL GAS NICKEL NON SIMULTANEOUS OPEN FRONT LESS COVER OUTLET BOX ON CENTER OVERFLOW ROOF DRAIN LEADER PLUMBING CONTRACTOR PRESSURE BALANCED RECOVERY ROOF DRAIN LEADER WATER HAMMER ARRESTOR SHOWER SINK SLIDE STAINLESS STEEL TOTAL DYNAMIC HEAD URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF WASTE WATER CLOSET

#### PLUMBING LEGEND

PLUMBING LEGE	
CA	COMPRESSED AIR PIPING
CC 140°F	CONDENSATE PIPING DOMESTIC 140°F WATER PIPING
140°F	DOMESTIC 140 F WATER PIPING DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPING
	DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING FIRE SPRINKLER PIPING
	FORCE MAIN PIPING
NG	GAS PIPING (NAT. OR LP)
GW	GREASE WASTE PIPING
N2	
02	O2 (0XYGEN) PIPING OVERFLOW ROOF DRAIN PIPING
OD RD	ROOF DRAIN PIPING
	SANITARY VENT PIPING
	SANITARY WASTE PIPING
TT	TEPID WATER PIPING
VAC	VACUUM PIPING
	BACKFLOW PREVENTION DEVICE
k	BALL VALVE
p	CIRCULATION PUMP
	FLOOR CLEANOUT
	FLOOR DRAIN
FS	GAS-REGULATOR VALVE
×	GATE VALVE
► <b>⊙</b> +	GATE VALVE IN RISER
GCO	GRADE CLEANOUT
н НВ	HOSE BIBB
	PIPE CAP
ļ	PIPE ELBOW
	PIPE ELBOW DOWN
+0	PIPE ELBOW UP
	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP (P FM	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
- 1	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
	PRESSURE REDUCING VALVE
A	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCOI	WALL CLEANOUT
	WALL HYDRANT
	WASHING MACHINE BOX
SA SA SA SA	WATER HAMMER ARRESTOR

NOTE: ALL ITEMS LISTED IN THIS SCHEDULE MAY NOT BE USED IN PROJECT

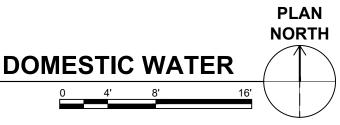






 SBMS - 200 BUILDING PLAN - DOMESTIC WATER

 1/8" = 1'-0"
 0
 4'
 8'
 16



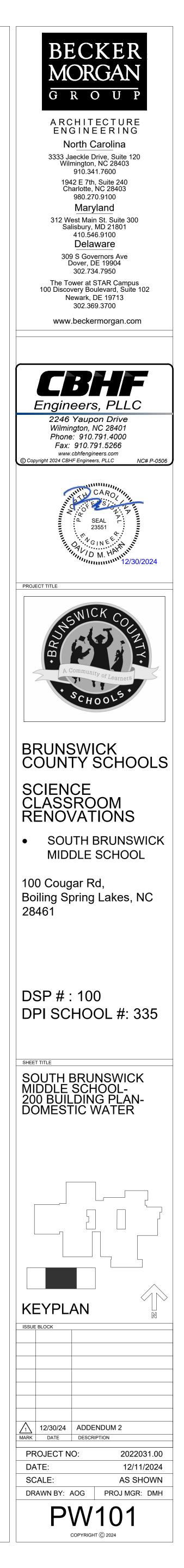
#### **KEYED NOTES**

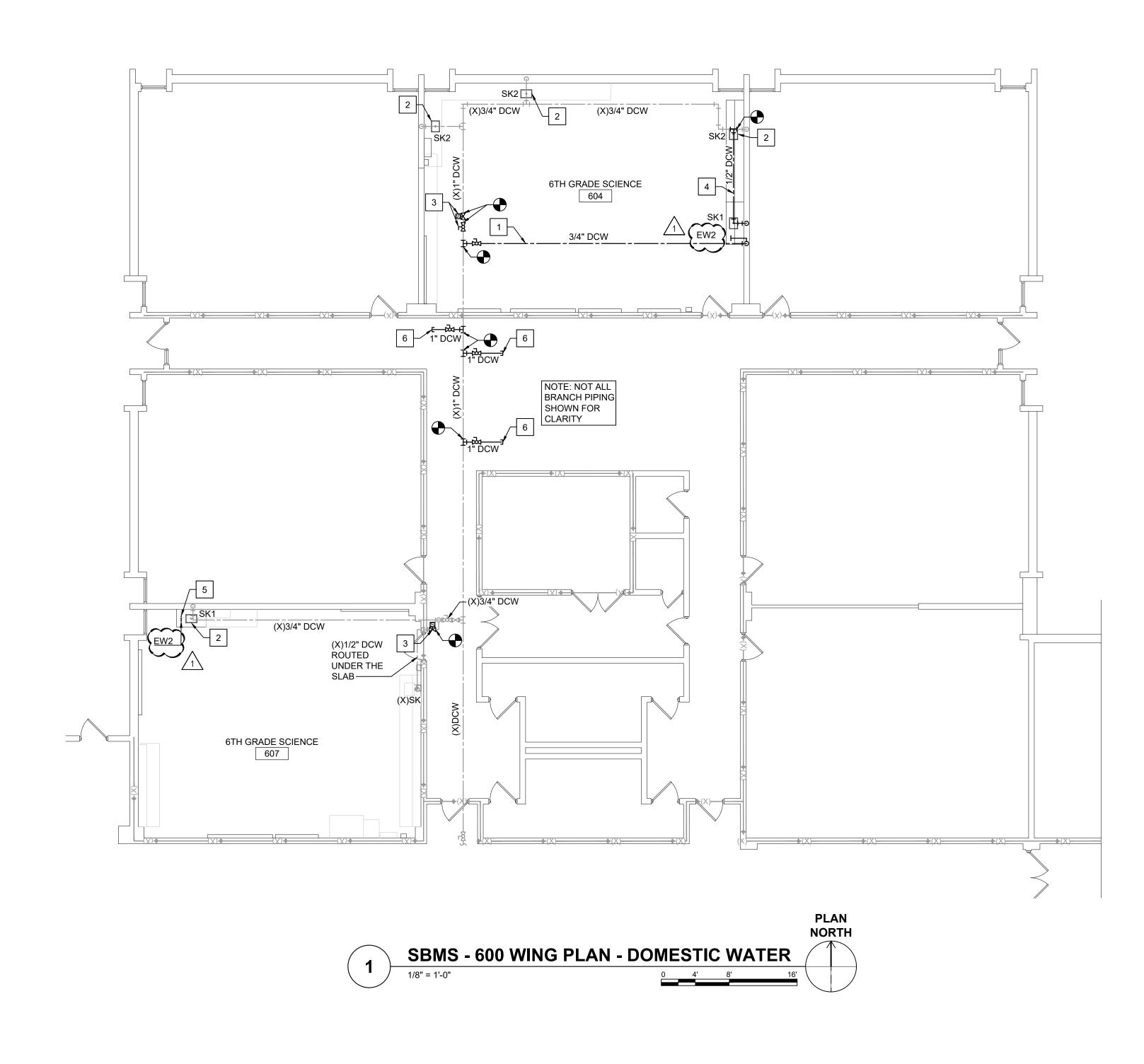
TO EMERGENCY SHUTOFF SWITCH.

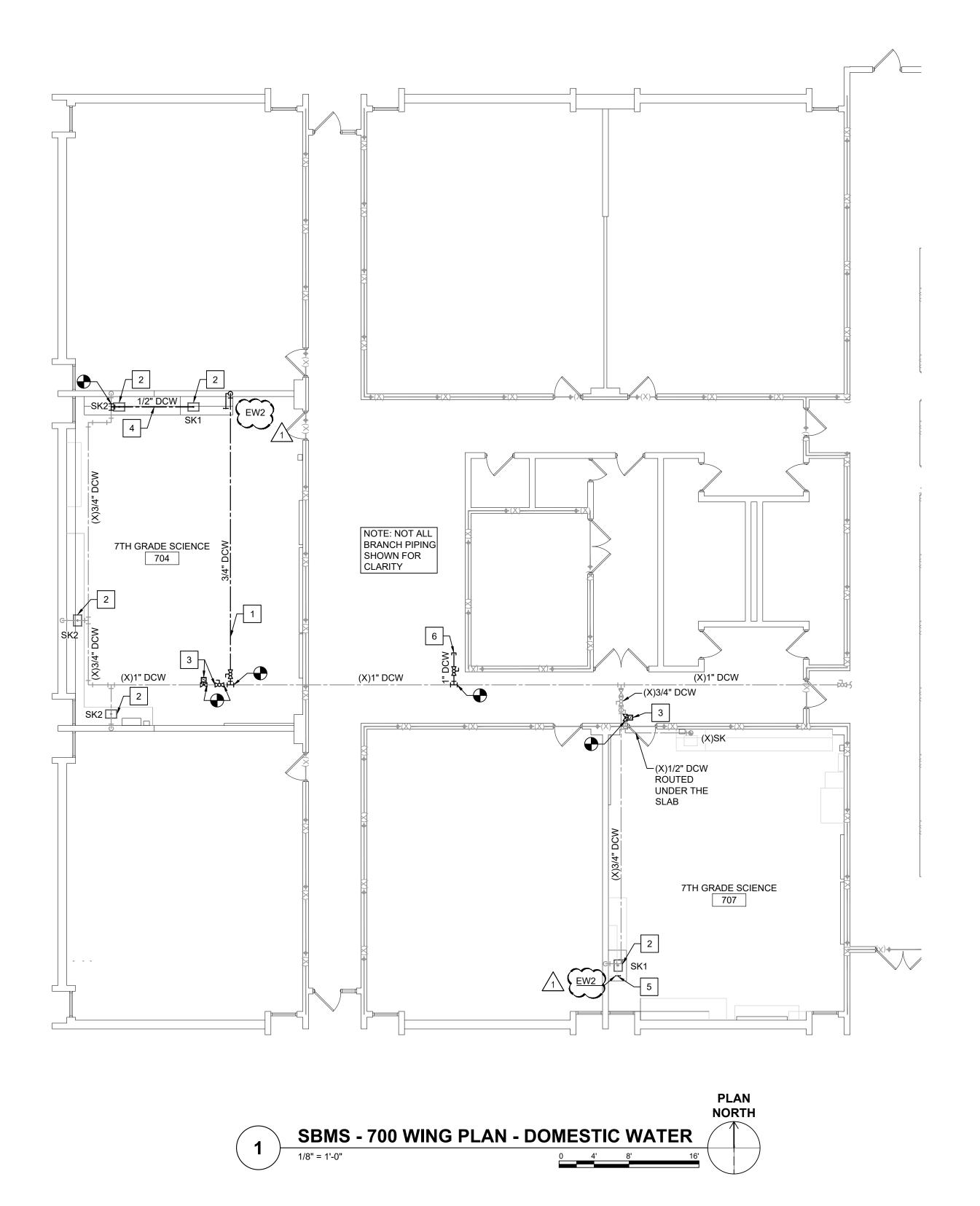
CONNECT NEW SINK AND DRENCH SHOWER TO EXISTING DOMESTIC WATER ROUGH IN PIPING. PROVIDE NEW SUPPLY FITTINGS ACCORDINGLY.

2 CONNECT NEW SINK TO EXISTING DOMESTIC WATER ROUGH IN PIPING. PROVIDE NEW SUPPLY FITTINGS ACCORDINGLY.

3 PROVIDE AND INSTALL 3/4" DCW BALL VALVE AND 3/4" DCW 2-POSITION EMERGENCY SHUTOFF SOLENOID VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN





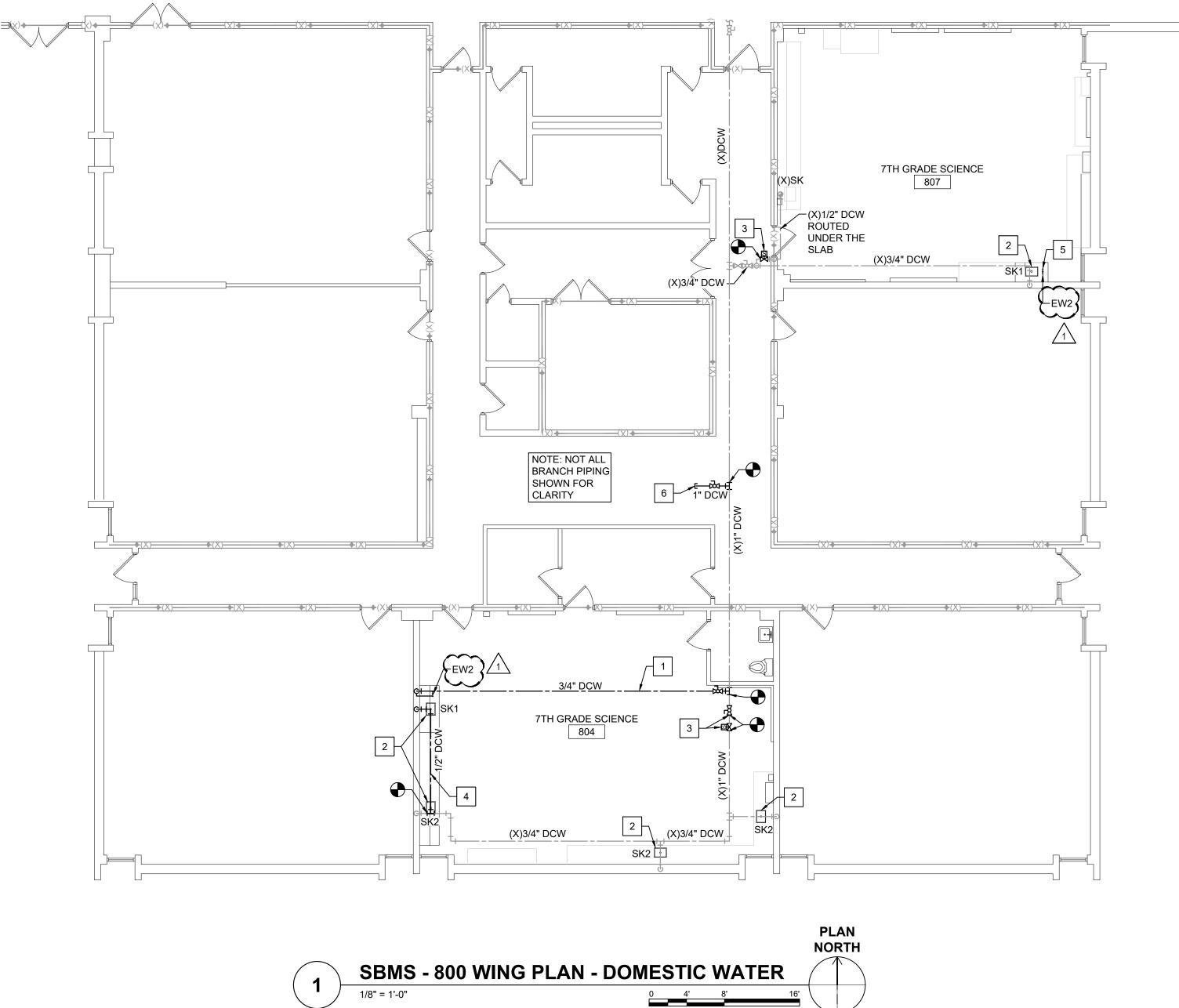


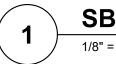
#### **KEYED NOTES**

- 1
   PROVIDE AND INSTALL TEE AND 3/4" DCW BRANCH TO SERVE EW2 ONLY.

   2
   PROVIDE AND INSTALL DOMESTIC WATER FITTINGS AND CONNECT DOMESTIC WATER TO EXISTING WATER PIPING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
- 3 PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY SHUTOFF SOLENOID VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH.
- 4 EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE SK1 ONLY.
- 5 EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE EW2. 1 6 PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION.





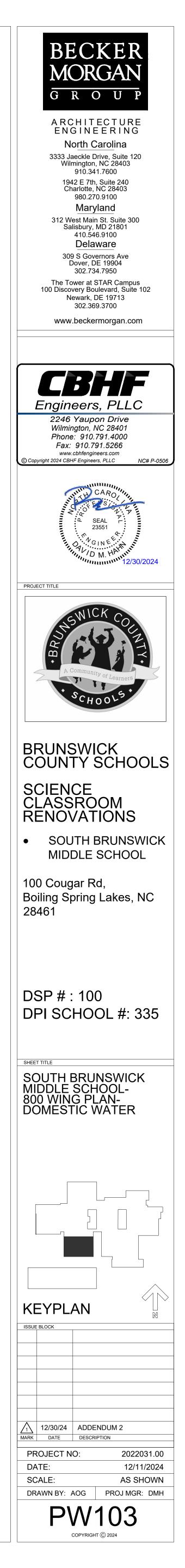


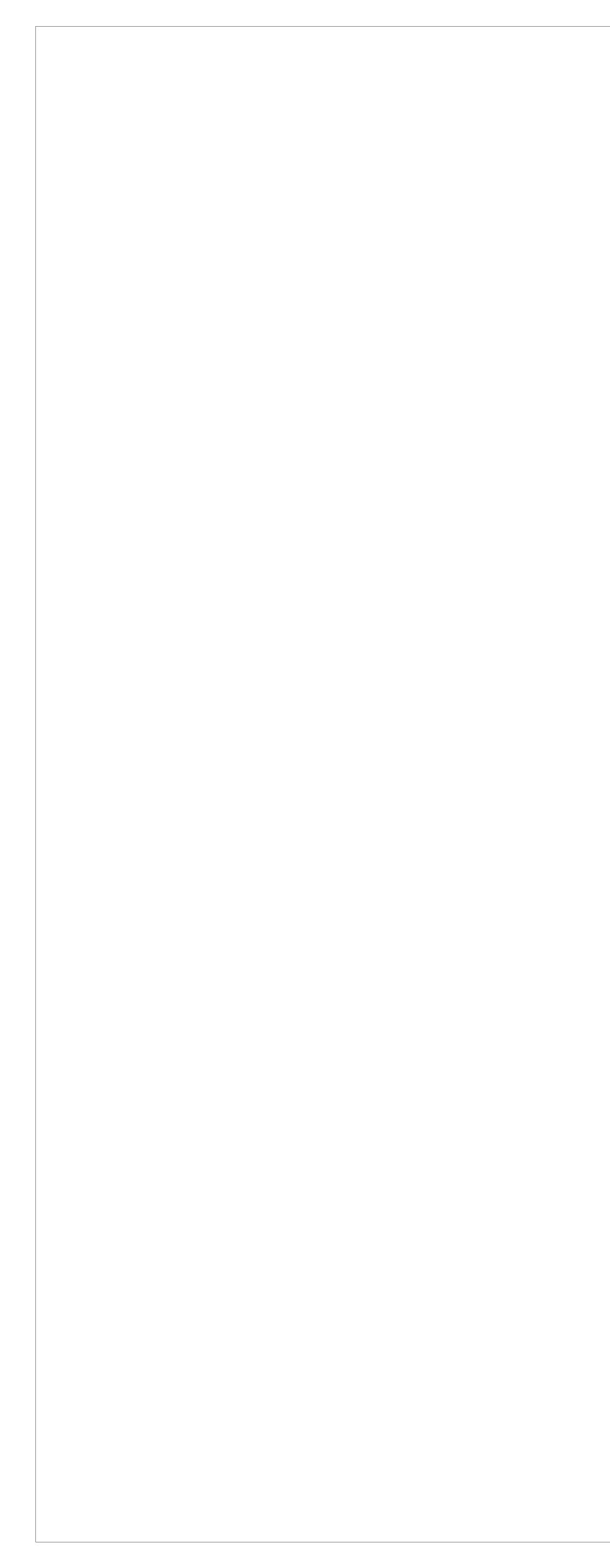
#### **KEYED NOTES**

- 1
   PROVIDE AND INSTALL TEE AND 3/4" DCW BRANCH TO SERVE EW2 ONLY.

   2
   PROVIDE AND INSTALL DOMESTIC WATER FITTINGS AND CONNECT DOMESTIC WATER TO EXISTING WATER PIPING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
- 3 PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY SHUTOFF SOLENOID VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH.
- 4 EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE SK1 ONLY.
- 5
   EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE EW2.

   6
   PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION.





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQU AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- 2. CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEA OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTA RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIE PLUMBING SYSTEMS.
- 4. CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOFA
- LOCAL JURISDICTION REQUIREMENTS.
- 5. PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTA
- 6. SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COM
- 7. PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENER CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.
- COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON T SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRAD PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS,
- 9. EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRA
- MAINTENANCE AND SERVICING OF EQUIPMENT. 10. LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING A
- 11. STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB B
- 12. CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEA
- SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WOR 13. RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVI
- PRIOR TO FINAL INSPECTION. 14. EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICA' RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- C. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT. EXISTING FINISHES AS REQUIRED.
- D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST AR ACCOMMODATE INTERFERENCES.

#### GENERAL PLUMBING DEMOLITION NOTES

1. THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUI COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSOR ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHO REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

 ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED
 THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DF OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORD

<u>CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION</u>
4. WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IN UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

5. PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE RE SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEM MAINTAIN SERVICE.

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMP</u> SOME UNUSUAL CONDITIONS MAY EXIST.

	PLU	MBING FIXTURE SCH	IEDULE						
	DRAWIN CODE	GFIXTURE		DESCRIPTION					
			BOWL	14"x14" LAB SINK, CORNER DRAINED, EPO>					
	SK1	1-COMPARTMENT COUNTERTOP LAB SINK, ADA	FAUCET	SINGLE TEMPERATURE LABORATORY F HANDLE, 1 HOLE, 1.5GPM, CHROME FINI					
			DRAIN	POLYPROPYLENE OPEN END OVERFLOW V					
$\triangle \left\{ \right.$	EW2	COMBINATION EYE/FACE WASH DRENCH SHOWER	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE ANSI Z358.1-2014 AS BOTH AN EYEWASH A HOSE AND UNDERCOUNTER HOSE GUIDE					
	NOTES	S 1. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT; PROVID							
		2. COORDINATE WITH MILLWORK.							
		3. COORDINATE ADA MILLWORK ENCLOSURE FOR WATER AND DRAIN PIPING UNDER SINK.							
		4. PROVIDE 1/2" IPS X 3/8" OD ANGLE I	BRASS STOP(S	) WITH RIGID COPPER RISERS. ALL EXPOSED F					
		5. THE HOSE MUST NOT BIND UNDERN	IEATH THE CO	UNTER. THERE MUST BE NO SHARP EDGES, CO					

	PLUMB	ING A
IIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
STEMS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITT
	A.F.F.	ABOVE FIN
N THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESIS
ALLATION. HOWEVER, CONTRACTOR IS	ADA	AMERICAN
S TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	BT	BATHTUB
AS THEY APPLY:	C.I.	CAST IRON
	со	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC
PAY FOR SAME. FURNISH A FINAL E OF THE WORK.	DHW	DOMESTIC
	DIA.	DIAMETER
TION AND FINAL INSPECTION.	E.C.I.	ENAMELED
ONTRACTOR. UNDER NO	EC	ELECTRICA
	EWC	ELECTRIC
RAWINGS ARE APPROXIMATE UNLESS /ERIFY ACTUAL BUILDING STRUCTURE	EWH	ELECTRIC
NG, ETC. AS REQUIRED TO PROPERLY	FCO	FLOOR CLE
	FD	FLOOR DR/
IENT AND TO FACILITATE PROPER	FS	FLOOR SIN
	GA.	GAUGE
CY WHERE REQUIRED.	GAL.	GALLON
TERIALS TO BE INSTALLED UNDER	GC	GENERAL (
ORE ANY MATERIAL MAY BE RECEIVED.	GCO	GRADE CLE
PLACE OR REPAIR ALL SURFACES	GPF	GALLONS F
ONDITIONS.	GPH	GALLONS F
AWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS F
	GWH	GAS-FIRED
	HB	HOSE BIBB
DEVELOPED FROM EXISTING	INCL.	INCLUDED
ALL EXISTING CONDITIONS AND	KS	KITCHEN SI
	LAV	LAVATORY
	LP	LIQUID PRO
E CUTTING AND PATCHING FOR	MS	MOP SERVI
	NAT.	NATURAL G
MENTS AS REQUIRED TO	NKL.	NICKEL
	NON SIMULT.	NON SIMUL
	O.F.L.C.	OPEN FROM
	OB	OUTLET BC
	OC	ON CENTER
	ORDL	OVERFLOW
NTS AND LAYOUT HIS WORK IN A	PC	PLUMBING
ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE
OWEVER, THIS CONTRACTOR SHALL R. SURVEY THE AFFECTED AREAS	RCVY.	RECOVERY
	RDL	
REMOVED.	SA	
	SH	SHOWER
S AND LIMITED FIELD VERIFICATION NOTWITHSTANDING, THE PLUMBING	SK	SINK
ECTING HIS WORK.	SLD.	SLIDE
IISES, THEY SHALL REMAIN OR BE ATELY IF SUCH CONDITIONS ARE	SS	STAINLESS
	TDH	TOTAL DYN
OPERATION THROUGHOUT THE PRIOR TO ANY OUTAGE OF	UR V	
RY CONNECTIONS AS REQUIRED TO	-	
	VB	
ELY DEPICTED ON THE DRAWINGS AND	VC	
	VTR	
	W	WASTE
	WC	
	WCO	
		WALL HYD

## LUMBING ABBREVIATIONS

,	
٩V	AIR ADMITTANCE VALVE
F.F.	ABOVE FINISHED FLOOR
R.C.I.	ACID RESISTANT CAST IRON
DA	AMERICANS WITH DISABILITIES ACT
RZ.	BRONZE
Г	BATHTUB
Ι.	CAST IRON
C	CLEANOUT
ONC.	CONCRETE
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
A.	DIAMETER
C.I.	ENAMELED CAST IRON
2	ELECTRICAL CONTRACTOR
NC	ELECTRIC WATER COOLER
WH	ELECTRIC WATER HEATER
00	FLOOR CLEANOUT
)	FLOOR DRAIN
6	FLOOR SINK
A.	GAUGE
	GALLON
AL. C	GALLON GENERAL CONTRACTOR
CO PF	
	GALLONS PER FLUSH
PH	GALLONS PER HOUR
PM	
WH	GAS-FIRED WATER HEATER
3	HOSE BIBB
CL.	
S	KITCHEN SINK
AV	LAVATORY
>	
S	MOP SERVICE BASIN
<b>Α</b> Τ.	NATURAL GAS
<l.< td=""><td>NICKEL</td></l.<>	NICKEL
	NON SIMULTANEOUS
.F.L.C.	OPEN FRONT LESS COVER
B	OUTLET BOX
C	ON CENTER
RDL	OVERFLOW ROOF DRAIN LEADER
2	PLUMBING CONTRACTOR
RESS. BAL.	PRESSURE BALANCED
CVY.	RECOVERY
DL	ROOF DRAIN LEADER
4	WATER HAMMER ARRESTOR
4	SHOWER
<	SINK
_D.	SLIDE
5	STAINLESS STEEL
ЭН	TOTAL DYNAMIC HEAD
२	URINAL
	VENT
3	VACUUM BREAKER
C	VITREOUS CHINA
२	VANDAL RESISTANT
TR	VENT THROUGH ROOF
,	WASTE
C	WATER CLOSET
CO	WALL CLEANOUT
Ή	WALL HYDRANT
'H DTE: ALL AB	WALL HYDRANT BREVIATIONS MAY NOT BE USED IN PROJECT.

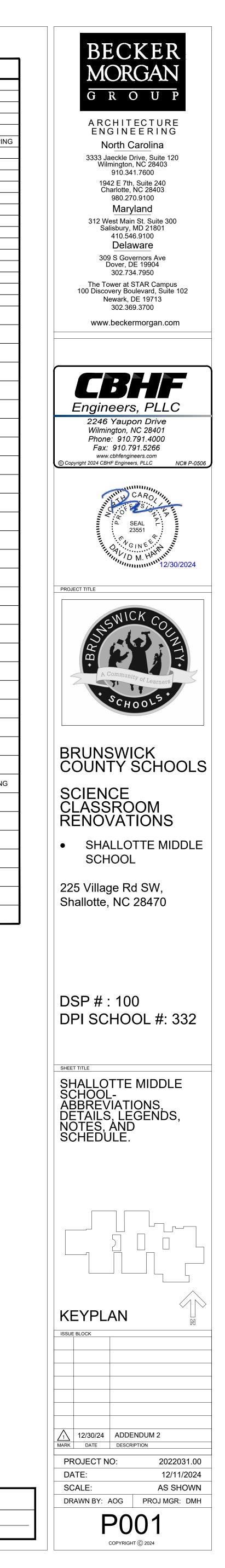
PLUMBING LEGE	NU
CA	COMPRESSED AIR PIPING
CC	CONDENSATE PIPING DOMESTIC 140°F WATER PIPING
140°F 140°R	DOMESTIC 140°F WATER PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPIN
	DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING FIRE SPRINKLER PIPING
SP FM	FORCE MAIN PIPING
NG	GAS PIPING (NAT. OR LP)
GW	GREASE WASTE PIPING
N2	
O2	O2 (0XYGEN) PIPING OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING
	SANITARY VENT PIPING
	SANITARY WASTE PIPING
TT	TEPID WATER PIPING VACUUM PIPING
VAC VAC	
	BACKFLOW PREVENTION DEVICE
k	BALL VALVE
N	CHECK VALVE
ö	CIRCUIT SETTER (BALANCING VALVE)
p	CIRCULATION PUMP
&	CONTROL VALVE
	EXTENT OF DEMOLITION
FC00	FLOOR CLEANOUT
FD C	FLOOR DRAIN
FS	FLOOR SINK
گ	GAS-REGULATOR VALVE
	GATE VALVE
▶0+	
GCO	
	HOSE BIBB PIPE CAP
<b>_</b>	PIPE ELBOW
 	PIPE ELBOW DOWN
+•	PIPE ELBOW UP
	PIPE TEE
 	PIPE TEE DOWN
	PIPE TEE UP
SP [P] FM	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
- 1	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
<i>A</i>	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCOIH	WALL CLEANOUT
ни <del>л</del>	WALL HYDRANT
	WASHING MACHINE BOX
\$A	WATER HAMMER ARRESTOR
	CHEDULE MAY NOT BE LISED IN PROJECT

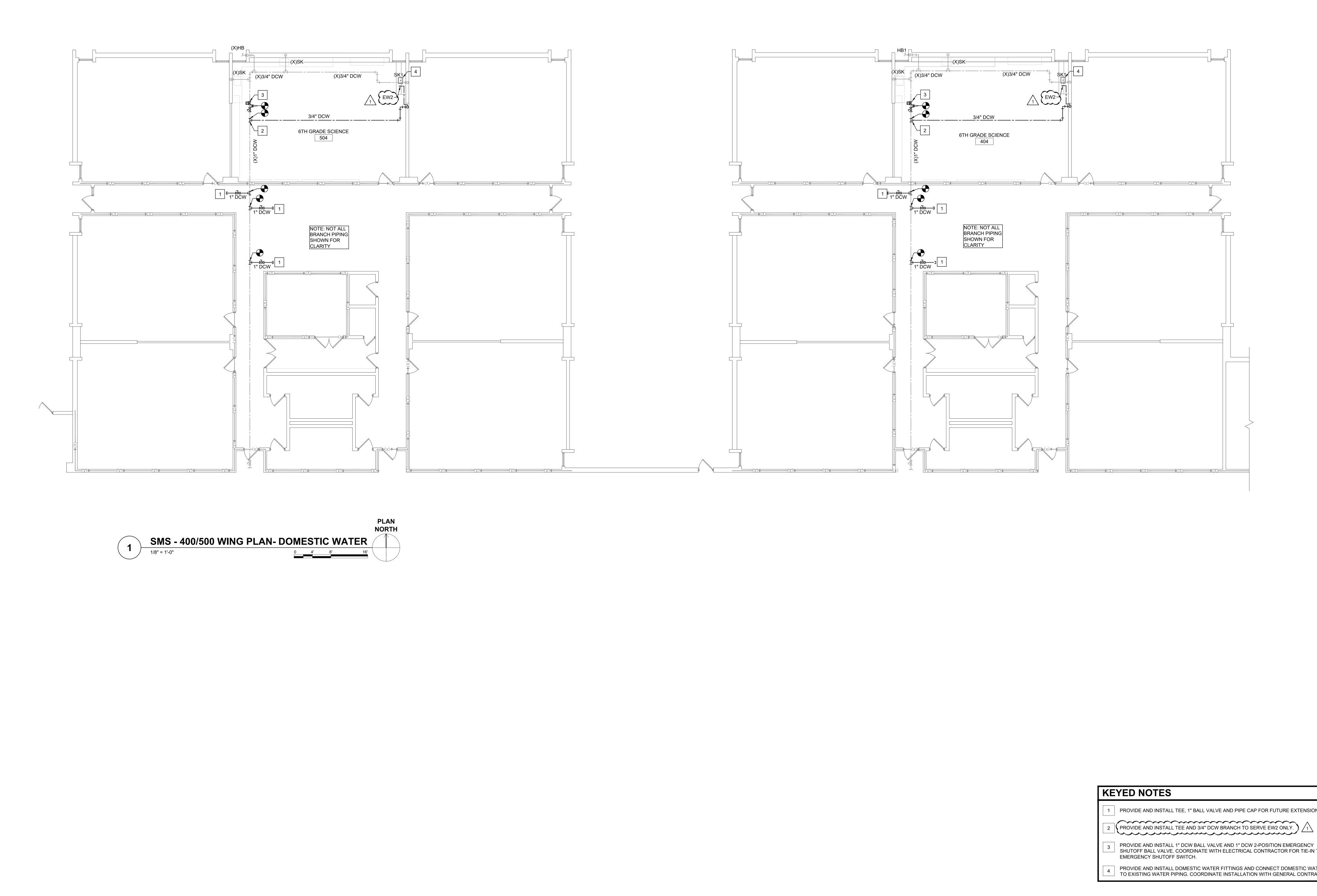
NOTE: ALL ITEMS LISTED IN THIS SCHEDULE MAY NOT BE USED IN PROJECT

	MANUFACTURER	MODEL	ALTERNATE APPROVED	OVED NOTES		PIPE SIZE			
			MANUFACTURERS		DCW	DHW	WASTE	VEN	
Y RESIN FINISH	DURCON	SNKD-A07	-					-	
CET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4	1/2"	1/2"	2"	2"	
/ITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-						
FOR DECK MOUNTING. UNIT MUST MEET THE PROVISIONS OF ND A DRENCH HOSE. PROVIDE FLEXIBLE STAINLESS STEEL BRACKET.	GUARDIAN	<u>G5022</u>	BRADLEY, SPEAKMAN	5	1/2"	-	-	-	
DA OFFSET ARRANGEMENT WHERE REQUIRED.					•	•		-	

PIPING SHALL BE CHROME PLATED.

OURNERS OR OBJECTS THAT CAN RUB AGAINST THE HOSE. MAKE SURE THAT THE UNIT IS ACCESSIBLE FROM THE FRONT EDGE OF THE COUNTER ON WHICH IT IS INSTALLED.



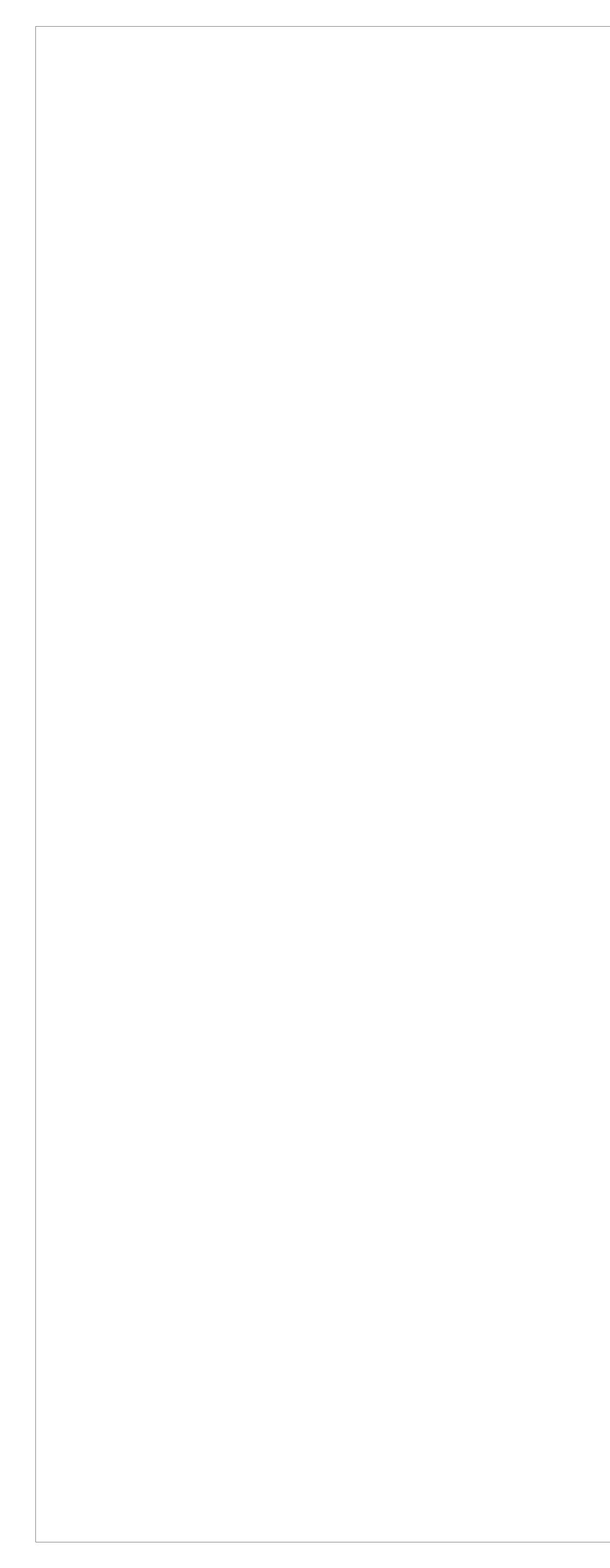


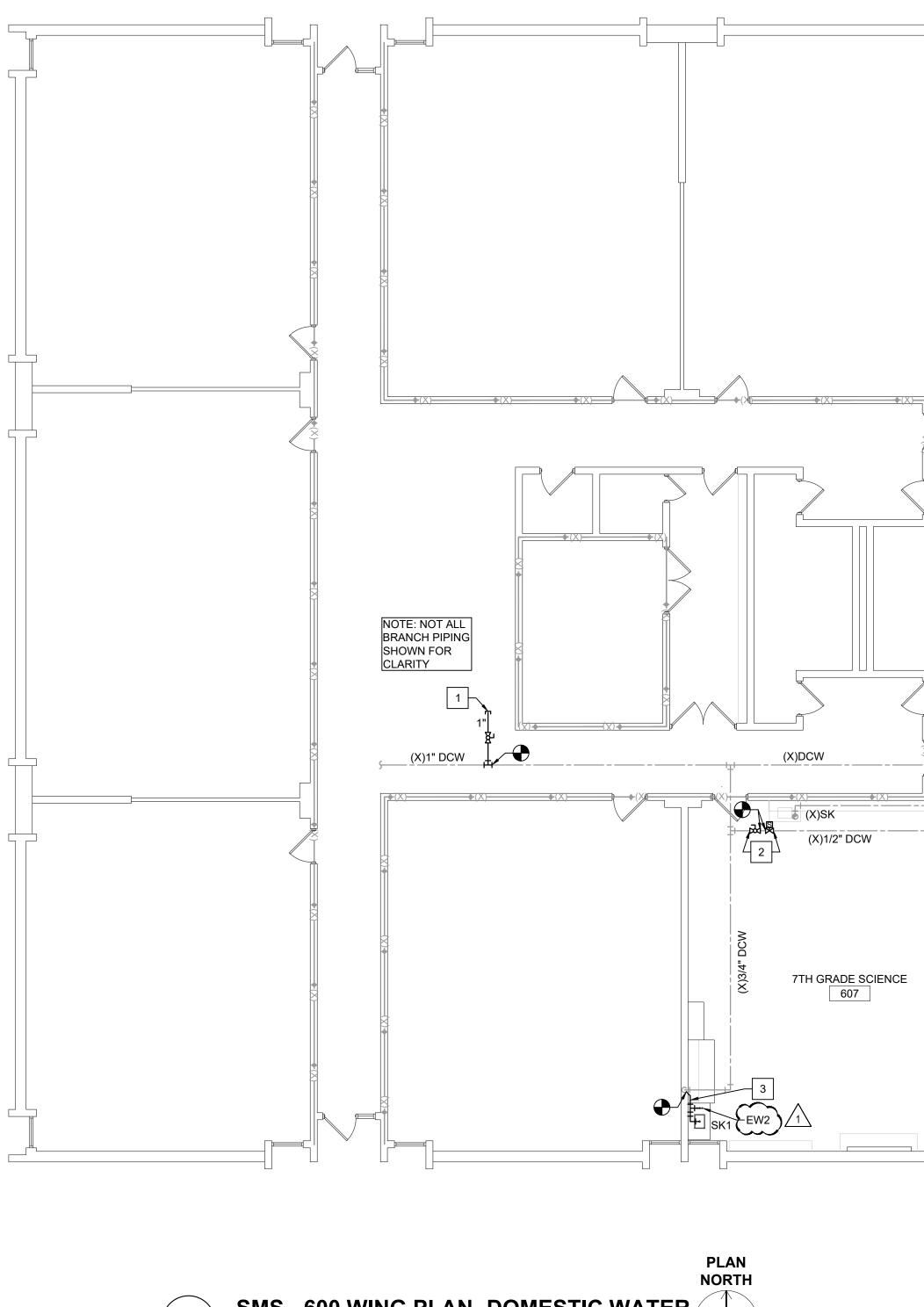
1 PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION.

PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY SHUTOFF BALL VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO

PROVIDE AND INSTALL DOMESTIC WATER FITTINGS AND CONNECT DOMESTIC WATER TO EXISTING WATER PIPING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.







-----

Щ

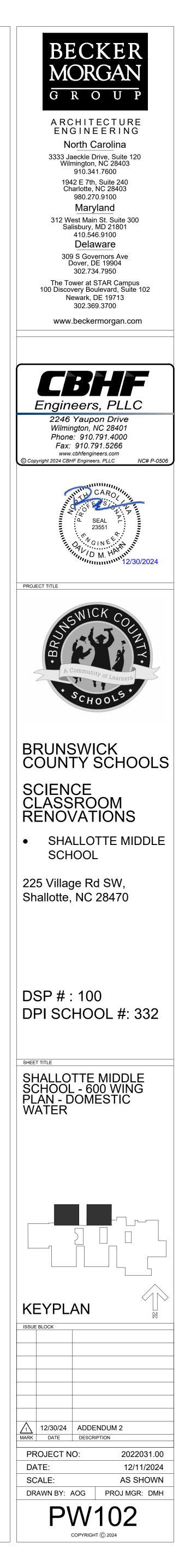


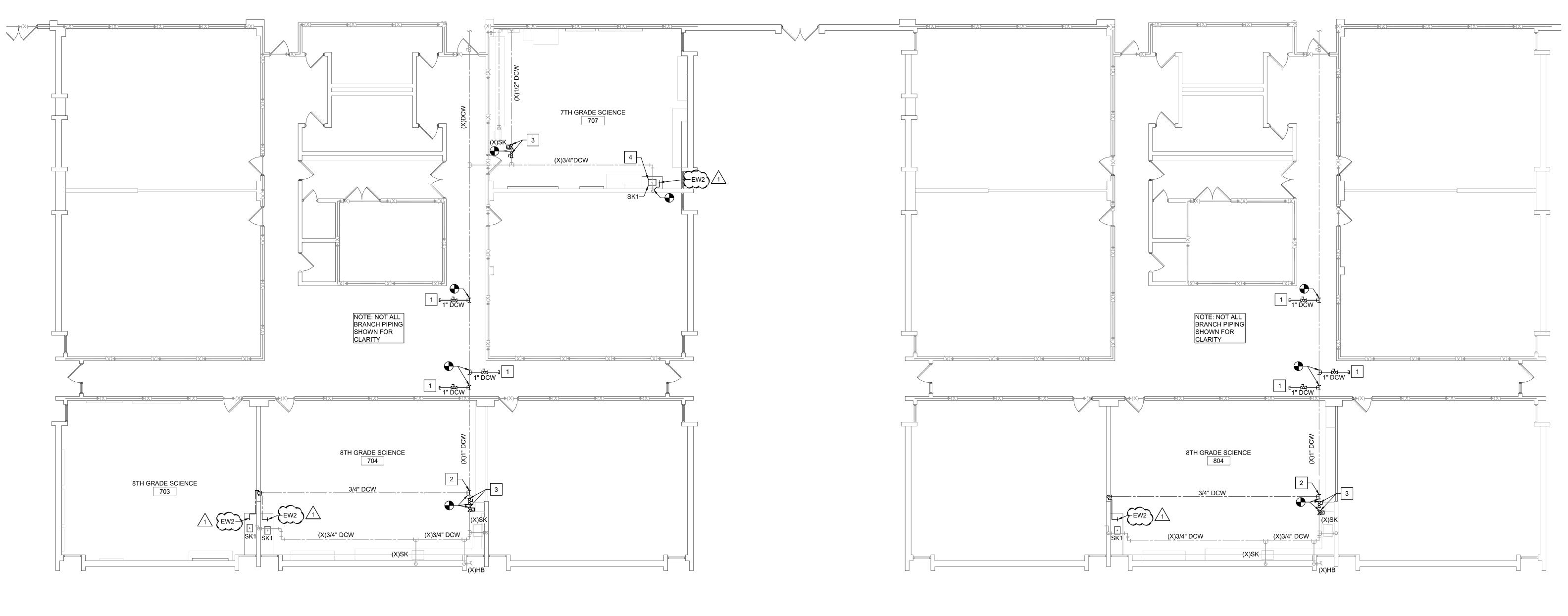
#### **KEYED NOTES**

1 PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION.

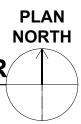
2 PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY

SHUTOFF BALL VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH. 3 EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE SK1 AND EW2. 





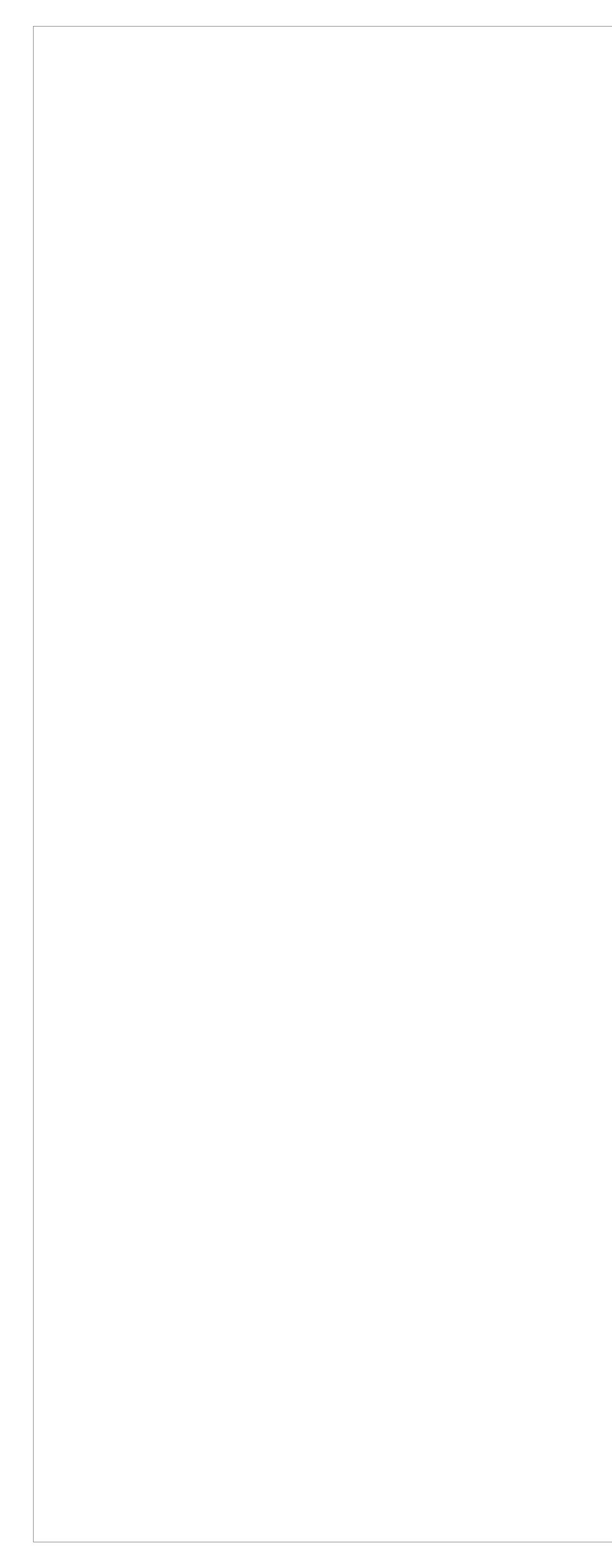
SMS - 700/800 WING PLAN- DOMESTIC WATER 1 1/8" = 1'-0" 0 4' 8' 16'



## **KEYED NOTES**

- <sup>1</sup> PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION. 2 PROVIDE AND INSTALL TEE AND 3/4" DCW BRANCH TO SERVE EW2 ONLY.
- PROVIDE AND INSTALL 1" DCW BALL VALVE AND 1" DCW 2-POSITION EMERGENCY
- SHUTOFF BALL VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO EMERGENCY SHUTOFF SWITCH. 4 EXTEND 1/2" DCW PIPING WITHIN CASEWORK TO SERVE SK1 AND EW2.
- hannen





- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUI AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYS DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEA OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INST RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIE PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSOF/ NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS.
- PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTA
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COM PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENER
- CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON T
- SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRAD PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, F INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRAM MAINTENANCE AND SERVICING OF EQUIPMENT.
- 0. LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING A STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB B
- CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WOR
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVI PRIOR TO FINAL INSPECTION.

ACCOMMODATE INTERFERENCES.

- EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICA RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS. DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT.
- EXISTING FINISHES AS REQUIRED. D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST AR

## **GENERAL PLUMBING DEMOLITION NOTES**

THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQU COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSOF ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHO REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENG BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED T THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD DF F EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE COR CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITION

WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER II UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAI PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE RE SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEN INTAIN SERVICE.

SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COM SOME UNUSUAL CONDITIONS MAY EXIST.

DRAWING CODE	FIXTURE		DESCRIPTION
		BOWL	16"x12" LAB SIN
SK2	1-COMPARTMENT COUNTERTOP LAB SINK, ADA	FAUCET	SINGLE TEMPE HANDLE, 1 HOL
		DRAIN	POLYPROPYLE
EW1	COUNTERTOP MOUNT EYE WASH	FIXT	POLISHED, CHF
EW2	EYEWASH/DRENCH HOSE	FIXT	DUAL PURPOSI VALVE, 8 FOOT
EW3	WALL MOUNT EYEWASH/DRENCH HOSE UNIT	FIXT	DUAL PURPOSI VALVE, 8 FOOT
NOTES	<ol> <li>PROVIDE BRASS 1-1/2" TAILPIECE,</li> <li>COORDINATE WITH MILLWORK.</li> <li>COORDINATE ADA MILLWORK ENC</li> <li>PROVIDE 1/2" IPS X 3/8" OD ANGLE</li> <li>DELETED.</li> <li>PROVIDE TRAP PRIMER</li> </ol>	LOSURE FOF	R WATER AND DRAIN

	PLUME	BING ABBREVI
QUIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
YSTEMS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITTANCE VALVE
	A.F.F.	ABOVE FINISHED FLOOR
EAN THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESISTANT CAST IRO
STALLATION. HOWEVER, CONTRACTOR IS	ADA	AMERICANS WITH DISABILI
RIES TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	BT	BATHTUB
DFAR AS THEY APPLY:	C.I.	CAST IRON
	со	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC COLD WATER
AND PAY FOR SAME. FURNISH A FINAL TANCE OF THE WORK.	DHW	DOMESTIC HOT WATER
OMPLETION AND FINAL INSPECTION.	DIA.	DIAMETER
	E.C.I.	ENAMELED CAST IRON
ERAL CONTRACTOR. UNDER NO	EC	ELECTRICAL CONTRACTOR
	EWC	ELECTRIC WATER COOLER
N THE DRAWINGS ARE APPROXIMATE UNLESS ADES. VERIFY ACTUAL BUILDING STRUCTURE	EWH	ELECTRIC WATER HEATER
S, PIPING, ETC. AS REQUIRED TO PROPERLY	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
RANGEMENT AND TO FACILITATE PROPER	FS	FLOOR SINK
	GA.	GAUGE
GAGENCY WHERE REQUIRED.	GAL.	GALLON
NG MATERIALS TO BE INSTALLED UNDER B BEFORE ANY MATERIAL MAY BE RECEIVED.	GC	GENERAL CONTRACTOR
B DEFORE ANT MATERIAL MAT DE RECEIVED.	GCO	GRADE CLEANOUT
EAN, REPLACE OR REPAIR ALL SURFACES ORKING CONDITIONS.	GPF	GALLONS PER FLUSH
	GPH	GALLONS PER HOUR
OVIDE DRAWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS PER MINUTE
	GWH	GAS-FIRED WATER HEATER
	HB	HOSE BIBB
CATED IS DEVELOPED FROM EXISTING K. VERIFY ALL EXISTING CONDITIONS AND	INCL.	
	KS	KITCHEN SINK
	LAV	
T. PROVIDE CUTTING AND PATCHING FOR	LP	
	MS	MOP SERVICE BASIN
ARRANGEMENTS AS REQUIRED TO	NAT.	
	NKL.	
	O.F.L.C.	NON SIMULTANEOUS OPEN FRONT LESS COVER
	O.F.L.C. OB	OPEN FRONT LESS COVER
	OC	ON CENTER
	OC	OVERFLOW ROOF DRAIN LI
	PC	PLUMBING CONTRACTOR
QUIREMENTS AND LAYOUT HIS WORK IN A	PRESS, BAL.	PRESSURE BALANCED
ORIES, ETC. MADE OBSOLETE BY THESE HOWN, HOWEVER, THIS CONTRACTOR SHALL	RCVY.	RECOVERY
ENGINEER. SURVEY THE AFFECTED AREAS	RDL	ROOF DRAIN LEADER
	SA	WATER HAMMER ARRESTO
D TO BE REMOVED.	SH	SHOWER
DRAWINGS AND LIMITED FIELD VERIFICATION	SK	SINK
ORRECT. <u>NOTWITHSTANDING, THE PLUMBING</u> IONS AFFECTING HIS WORK.	SLD.	SLIDE
HE PREMISES. THEY SHALL REMAIN OR BE	SS	STAINLESS STEEL
R IMMEDIATELY IF SUCH CONDITIONS ARE	TDH	TOTAL DYNAMIC HEAD
AIN THEM IN OPERATION THROUGHOUT THE	UR	URINAL
REQUIRED PRIOR TO ANY OUTAGE OF	V	VENT
EMPORARY CONNECTIONS AS REQUIRED TO	VB	VENT VACUUM BREAKER
MPLETELY DEPICTED ON THE DRAWINGS AND	VB VC	VITREOUS CHINA
	VC VR	VITREOUS CHINA VANDAL RESISTANT
	VR VTR	VANDAL RESISTANT
	W	WASTE
	WC	WASTE WATER CLOSET
	WCO	WATER CLOSET

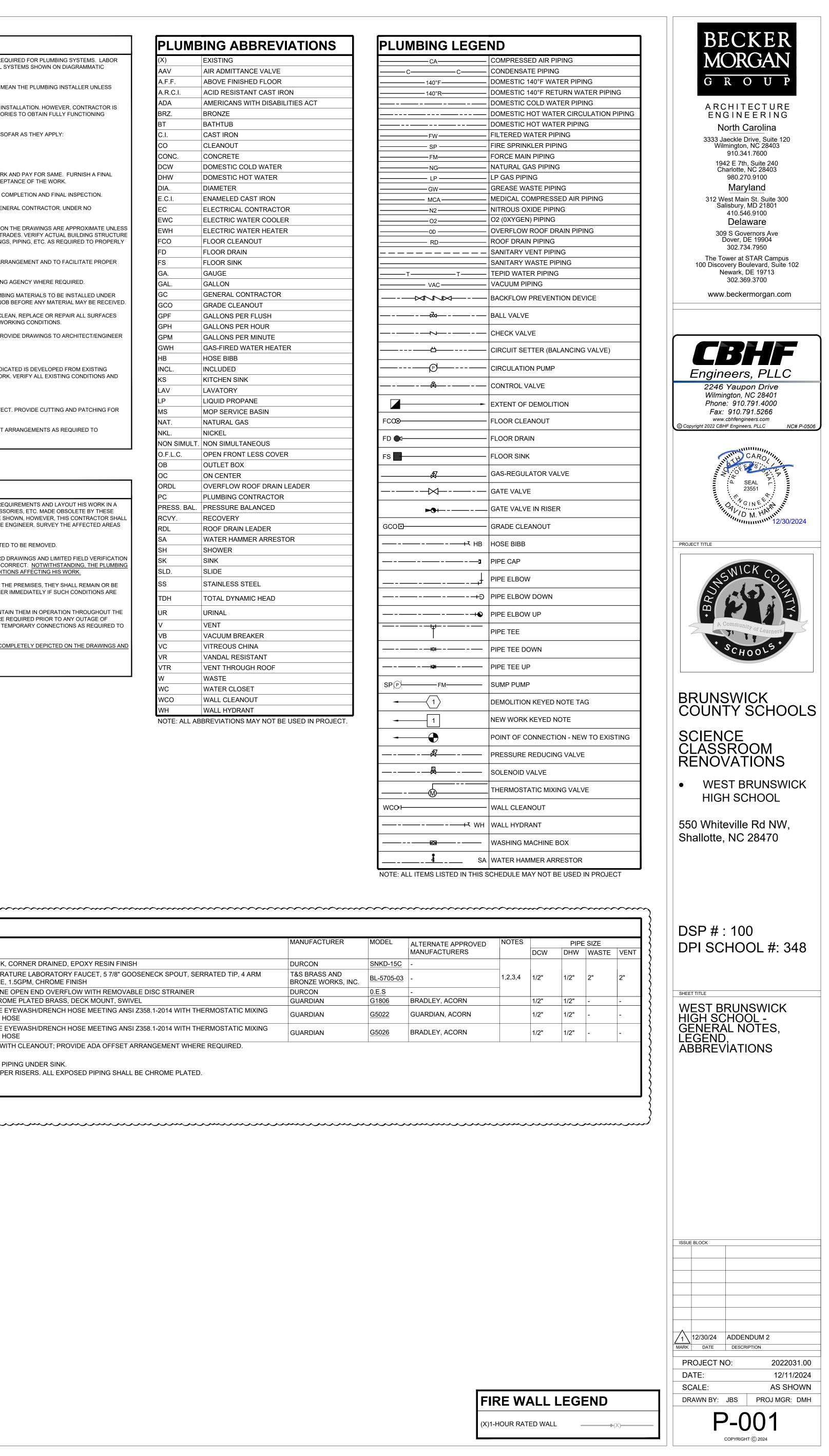
PLUME	BING ABBREVIATIONS	PLUMBING LE
(X)	EXISTING	CA
AAV	AIR ADMITTANCE VALVE	CC
A.F.F.	ABOVE FINISHED FLOOR	140°F
A.R.C.I.		140°R
ADA BRZ.	AMERICANS WITH DISABILITIES ACT BRONZE	
BT	BATHTUB	
C.I.	CAST IRON	FW
CO	CLEANOUT	SP
CONC.	CONCRETE	FM
DCW	DOMESTIC COLD WATER	NG
DHW	DOMESTIC HOT WATER	LP
DIA.	DIAMETER	GW
E.C.I.	ENAMELED CAST IRON	MCA
EC	ELECTRICAL CONTRACTOR	N2
EWC		02
EWH		OD
FCO		RD
FD FS	FLOOR DRAIN FLOOR SINK	
GA.	GAUGE	TT
GAL.	GALLON	TTTTT
GC	GENERAL CONTRACTOR	
GCO	GRADE CLEANOUT	
GPF	GALLONS PER FLUSH	
GPH	GALLONS PER HOUR	
GPM	GALLONS PER MINUTE	
GWH	GAS-FIRED WATER HEATER	ä
HB	HOSE BIBB	
INCL.	INCLUDED	P
KS	KITCHEN SINK	
LAV	LAVATORY	
MS NAT.	MOP SERVICE BASIN NATURAL GAS	FCO
NKL.	NICKEL	
	NON SIMULTANEOUS	FD C
O.F.L.C.	OPEN FRONT LESS COVER	FS FS
ОВ	OUTLET BOX	
00	ON CENTER	······叔
ORDL	OVERFLOW ROOF DRAIN LEADER	N
PC	PLUMBING CONTRACTOR	
PRESS. BAL.	PRESSURE BALANCED	►••+
RCVY.	RECOVERY	GCO
RDL		GCOE
SA		×+
SH SK	SHOWER	
SLD.	SLIDE	
SS	STAINLESS STEEL	
TDH	TOTAL DYNAMIC HEAD	
UR	URINAL	
V	VENT	
VB	VACUUM BREAKER	
VC	VITREOUS CHINA	
VR	VANDAL RESISTANT	
VTR	VENT THROUGH ROOF	
W	WASTE	SP(P)
WC		
WCO		<b></b> (1)
	WALL HYDRANT	<b>—</b> 1
NUTE. ALL AL	DIREVIATIONS WAT NOT DE USED IN PROJECT.	
		~

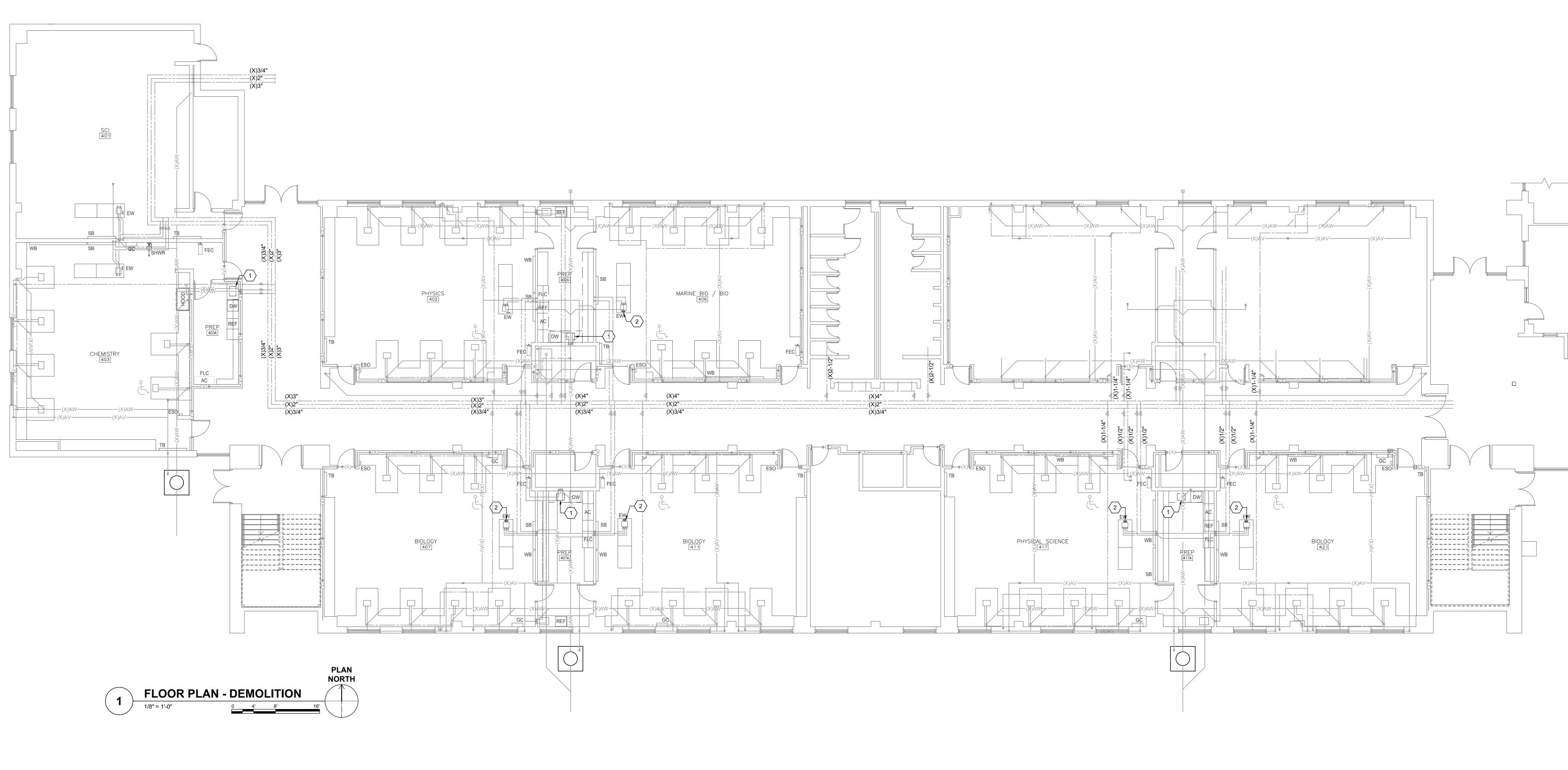
# **PI LIMBING LEGEND**

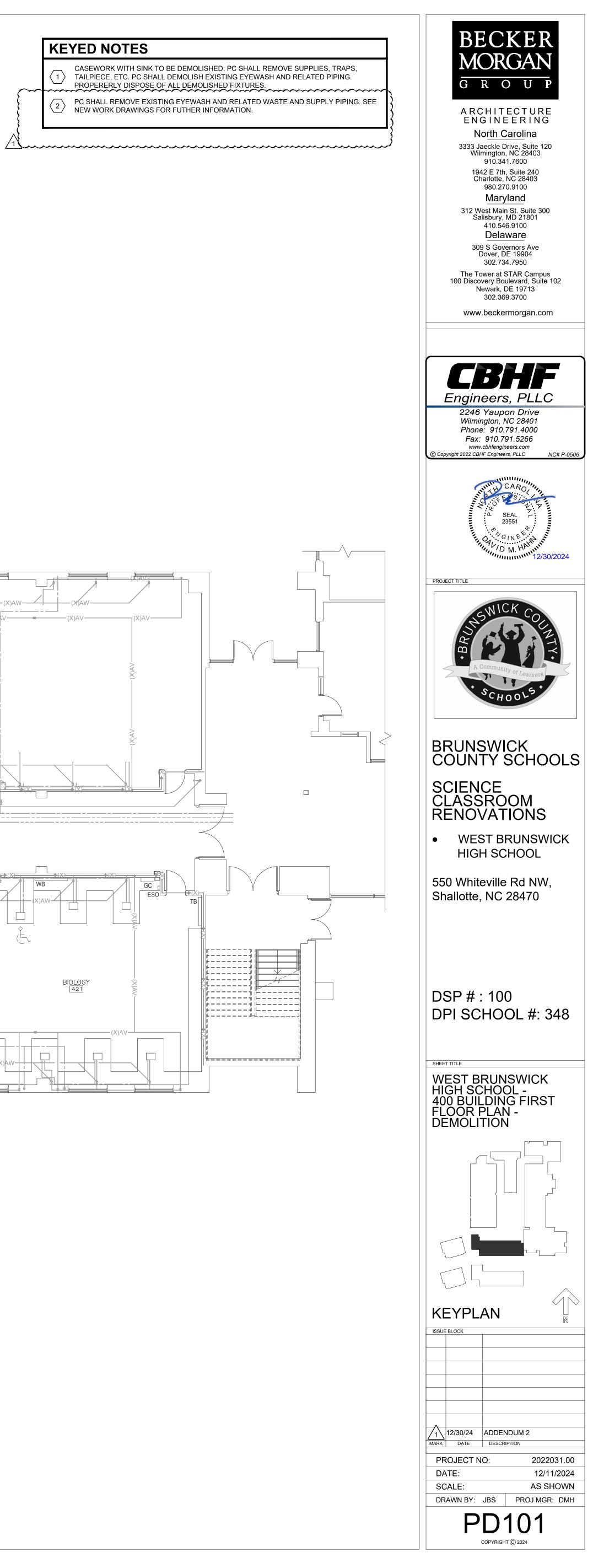
CA	COMPRESSED AIR PIPING
CC	CONDENSATE PIPING
140°F	
140°R	DOMESTIC 140°F RETURN WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPIN
	DOMESTIC HOT WATER PIPING
FW	FILTERED WATER PIPING
SP	FIRE SPRINKLER PIPING
FM	FORCE MAIN PIPING
NG	LP GAS PIPING
GW	GREASE WASTE PIPING
MCA	MEDICAL COMPRESSED AIR PIPING
N2	NITROUS OXIDE PIPING
02	
	OVERFLOW ROOF DRAIN PIPING
	SANITARY VENT PIPING
	SANITARY WASTE PIPING
TT	TEPID WATER PIPING
VAC	
K	- BACKFLOW PREVENTION DEVICE
N	
ä	CIRCUIT SETTER (BALANCING VALVE)
p	
&	
	EXTENT OF DEMOLITION
FCO	FLOOR CLEANOUT
FD C	FLOOR DRAIN
FS FS	FLOOR SINK
	GAS-REGULATOR VALVE
X	GATE VALVE
▶:::::::::::::::::::::::::::::::::::::	GATE VALVE IN RISER
GCOD	GRADE CLEANOUT
	HOSE BIBB
J	PIPE CAP
ł	PIPE ELBOW
ə	PIPE ELBOW DOWN
+•	PIPE ELBOW UP
	PIPE TEE
	PIPE TEE DOWN
	PIPE TEE UP
SP(P)FM	SUMP PUMP
	DEMOLITION KEYED NOTE TAG
<u> </u>	NEW WORK KEYED NOTE
	POINT OF CONNECTION - NEW TO EXISTING
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	THERMOSTATIC MIXING VALVE
WCOI	WALL CLEANOUT
	WALL HYDRANT
	WASHING MACHINE BOX
	WATER HAMMER ARRESTOR
<b>1</b> \$	

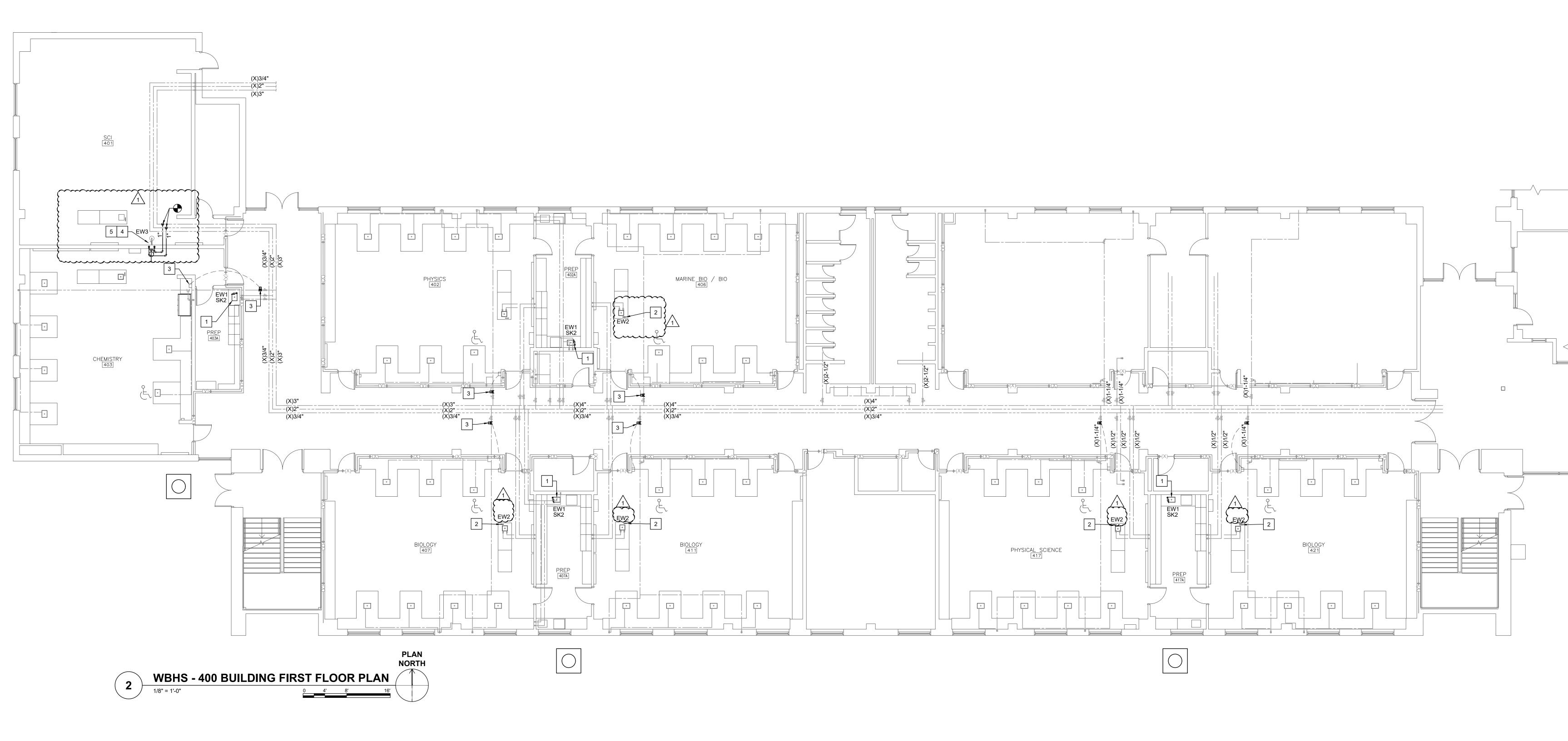
	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES	PIPE SIZE				
			MANUFACTURERS		DCW	DHW	WASTE	VE	
NK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-15C	-						
ERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM DLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	<u>BL-5705-03</u>	-	1,2,3,4	1/2"	1/2"	2"	2"	
ENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-						
ROME PLATED BRASS, DECK MOUNT, SWIVEL	GUARDIAN	<u>G1806</u>	BRADLEY, ACORN		1/2"	1/2"	-	-	
SE EYEWASH/DRENCH HOSE MEETING ANSI Z358.1-2014 WITH THERMOSTATIC MIXING IT HOSE	GUARDIAN	<u>G5022</u>	GUARDIAN, ACORN		1/2"	1/2"	-	-	
SE EYEWASH/DRENCH HOSE MEETING ANSI Z358.1-2014 WITH THERMOSTATIC MIXING IT HOSE	GUARDIAN	<u>G5026</u>	BRADLEY, ACORN		1/2"	1/2"	-	-	
P WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED.									

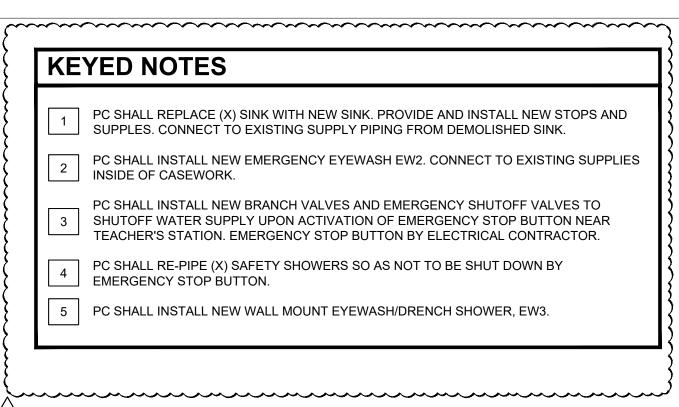
PIPING UNDER SINK. PER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

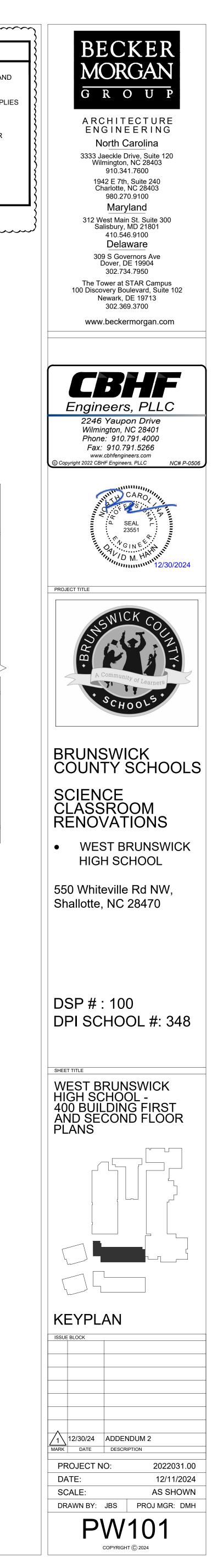


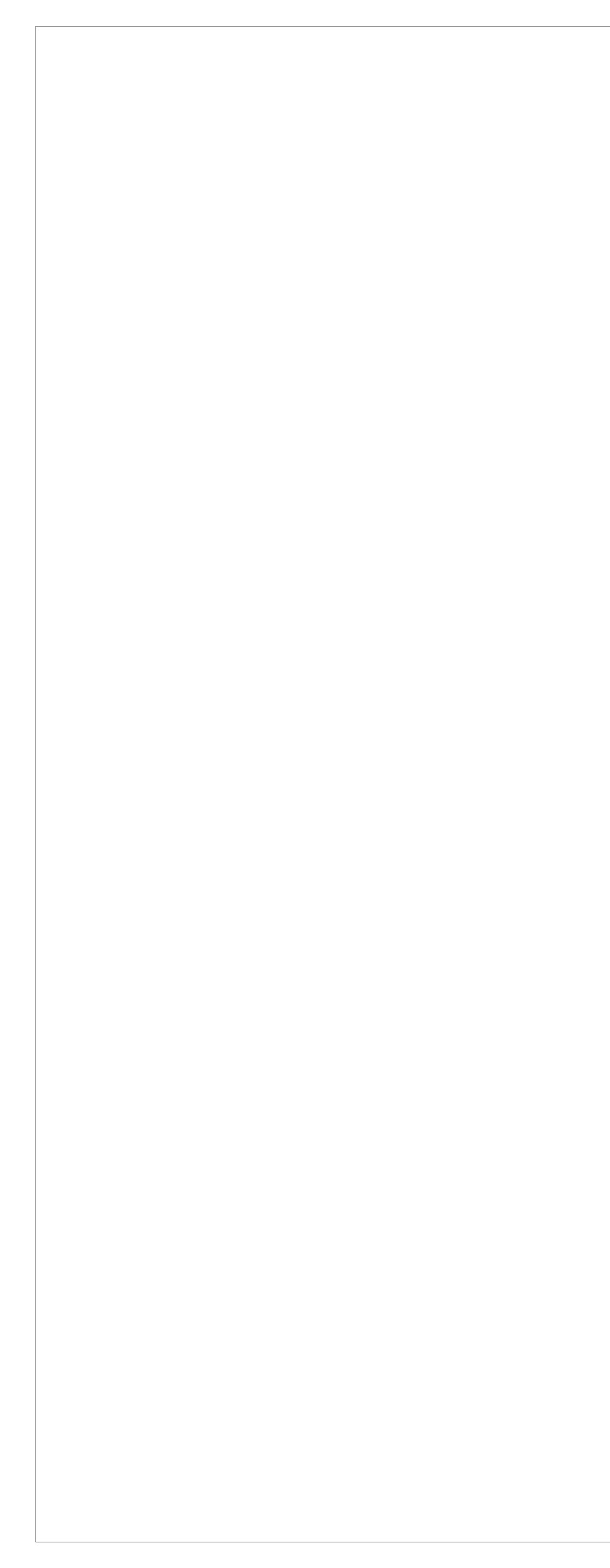












- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQU AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SY DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL ME OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INST RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORI PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INSO NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.
- LOCAL JURISDICTION REQUIREMENTS. PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK A
- CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPT SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COL
- PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENER
- CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE. COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON
- SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRA PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS. INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRA MAINTENANCE AND SERVICING OF EQUIPMENT.
- . LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBIN
- THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB
- CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEA SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WOR
- . RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PRO PRIOR TO FINAL INSPECTION. A. EXISTING BUILDINGS AND CONSTRUCTION:
- A. WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICA RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
- B. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
- DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITEC EXISTING FINISHES AS REQUIRED.
- D. COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST A ACCOMMODATE INTERFERENCES.

# **GENERAL PLUMBING DEMOLITION NOTES**

THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQ OMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSO LTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SH REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE F BEFORE SUBMITTING A BID.

ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED THESE DRAWINGS ARE COMPILED BY THE ARCHITECT/ENGINEER FROM THE OWNER'S AS-BUILT RECORD EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CO CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITIC

WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE UITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IMMEDIATELY IF SUCH CONDITIONS ARE UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.

PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTA ROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE RE SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO NTAIN SERVICE

6. <u>SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DEPICTED ON THE DRAWINGS AND</u> SOME UNUSUAL CONDITIONS MAY EXIST.

DRAWINGFIXTURE		DESCRIPTION MALE AND A DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED	NOTES	PIPE SIZE			
CODE						MANUFACTURERS		DCW	DHW	WASTE
		BOWL	14"x14" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-A07	-				
SK1	1-COMPARTMENT COUNTERTOP LAB SINK 1, ADA	FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	<u>BL-5705-03</u>	-	1,2,3,4, 1/2	1/2"	1/2"	2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-				
SK2		BOWL	16"x12" LAB SINK, CORNER DRAINED, EPOXY RESIN FINISH	DURCON	SNKD-15C	-			1/2" 2"	
	1-COMPARTMENT COUNTERTOP LAB SINK 2	FAUCET	SINGLE TEMPERATURE LABORATORY FAUCET, 5 7/8" GOOSENECK SPOUT, SERRATED TIP, 4 ARM HANDLE, 1 HOLE, 1.5GPM, CHROME FINISH	T&S BRASS AND BRONZE WORKS, INC.	BL-5705-03	-	1,2,3,4,	1/2"		2"
		DRAIN	POLYPROPYLENE OPEN END OVERFLOW WITH REMOVABLE DISC STRAINER	DURCON	<u>0.E.S</u>	-				
EW2	COMBINATION EYE/FACE WASH DRENCH SHOWER	FIXT	DUAL PURPOSE EYEWASH/DRENCH HOSE FOR DECK MOUNTING. UNIT MUST MEET THE PROVISIONS OF ANSI Z358.1-2014 AS BOTH AN EYEWASH AND A DRENCH HOSE. PROVIDE FLEXIBLE STAINLESS STEEL HOSE AND UNDERCOUNTER HOSE GUIDE BRACKET.	GUARDIAN	<u>G5022</u>	BRADLEY, SPEAKMAN	5	1/2"	-	-

	PLUMB	SING ABBREVIATIONS
EQUIRED FOR PLUMBING SYSTEMS. LABOR	(X)	EXISTING
SYSTEMS SHOWN ON DIAGRAMMATIC	AAV	AIR ADMITTANCE VALVE
	A.F.F.	ABOVE FINISHED FLOOR
AEAN THE PLUMBING INSTALLER UNLESS	A.R.C.I.	ACID RESISTANT CAST IRON
	ADA	AMERICANS WITH DISABILITIES ACT
NSTALLATION. HOWEVER, CONTRACTOR IS DRIES TO OBTAIN FULLY FUNCTIONING	BRZ.	BRONZE
	BT	BATHTUB
SOFAR AS THEY APPLY:	C.I.	CAST IRON
	СО	CLEANOUT
	CONC.	CONCRETE
	DCW	DOMESTIC COLD WATER
RK AND PAY FOR SAME. FURNISH A FINAL	DHW	DOMESTIC HOT WATER
PTANCE OF THE WORK.	DIA.	DIAMETER
COMPLETION AND FINAL INSPECTION.	E.C.I.	ENAMELED CAST IRON
NERAL CONTRACTOR. UNDER NO	EC	ELECTRICAL CONTRACTOR
	EWC	ELECTRIC WATER COOLER
ON THE DRAWINGS ARE APPROXIMATE UNLESS	EWH	ELECTRIC WATER HEATER
RADES. VERIFY ACTUAL BUILDING STRUCTURE GS, PIPING, ETC. AS REQUIRED TO PROPERLY	FCO	FLOOR CLEANOUT
33, FIFING, ETC. AS REQUIRED TO FROFERET	FD	FLOOR DRAIN
RRANGEMENT AND TO FACILITATE PROPER	FS	FLOOR SINK
	GA.	GAUGE
IG AGENCY WHERE REQUIRED.	GAL.	GALLON
	GC	GENERAL CONTRACTOR
BING MATERIALS TO BE INSTALLED UNDER OB BEFORE ANY MATERIAL MAY BE RECEIVED.	GCO	GRADE CLEANOUT
LEAN, REPLACE OR REPAIR ALL SURFACES	GPF	GALLONS PER FLUSH
ORKING CONDITIONS.	GPH	GALLONS PER HOUR
ROVIDE DRAWINGS TO ARCHITECT/ENGINEER	GPM	GALLONS PER MINUTE
	GWH	GAS-FIRED WATER HEATER
	НВ	HOSE BIBB
	INCL.	INCLUDED
ICATED IS DEVELOPED FROM EXISTING RK. VERIFY ALL EXISTING CONDITIONS AND	KS	KITCHEN SINK
	LAV	LAVATORY
	LP	
ECT. PROVIDE CUTTING AND PATCHING FOR	MS	
	NAT.	NATURAL GAS
ARRANGEMENTS AS REQUIRED TO	NKL.	NICKEL
	O.F.L.C.	OPEN FRONT LESS COVER
	O.F.L.C.	OUTLET BOX
	OC	ON CENTER
	OC	OVERFLOW ROOF DRAIN LEADER
	PC	
EQUIREMENTS AND LAYOUT HIS WORK IN A		
SORIES, ETC. MADE OBSOLETE BY THESE	PRESS. BAL.	PRESSURE BALANCED
SHOWN, HOWEVER, THIS CONTRACTOR SHALL E ENGINEER. SURVEY THE AFFECTED AREAS	RCVY.	
	RDL	
ED TO BE REMOVED.	SA	
	SH	SHOWER
D DRAWINGS AND LIMITED FIELD VERIFICATION CORRECT. <u>NOTWITHSTANDING, THE PLUMBING</u>	SK	SINK
TIONS AFFECTING HIS WORK.	SLD.	SLIDE
THE PREMISES, THEY SHALL REMAIN OR BE ER IMMEDIATELY IF SUCH CONDITIONS ARE	SS	STAINLESS STEEL
	трц	

AIN THEM IN OPERATION THROUGHOUT THE
REQUIRED PRIOR TO ANY OUTAGE OF

ONZE THTUB AST IRON LEANOUT ONCRETE OMESTIC COLD WATER OMESTIC HOT WATER AMETER NAMELED CAST IRON ECTRICAL CONTRACTOR ECTRIC WATER COOLER ECTRIC WATER HEATER OOR CLEANOUT OOR DRAIN LOOR SINK AUGE ALLON ENERAL CONTRACTOR RADE CLEANOUT ALLONS PER FLUSH ALLONS PER HOUR ALLONS PER MINUTE AS-FIRED WATER HEATER OSE BIBB CLUDED TCHEN SINK AVATORY IQUID PROPANE OP SERVICE BASIN ATURAL GAS CKEL ON SIMULTANEOUS PEN FRONT LESS COVER UTLET BOX N CENTER /ERFLOW ROOF DRAIN LEADER UMBING CONTRACTOR RESSURE BALANCED ECOVERY OOF DRAIN LEADER ATER HAMMER ARRESTOR OWER TAINLESS STEEL TOTAL DYNAMIC HEAD TDH URINAL VENT VACUUM BREAKER VITREOUS CHINA VANDAL RESISTANT VENT THROUGH ROOF /TR

WASTE

CO

WATER CLOSET

WALL CLEANOUT

WALL HYDRANT

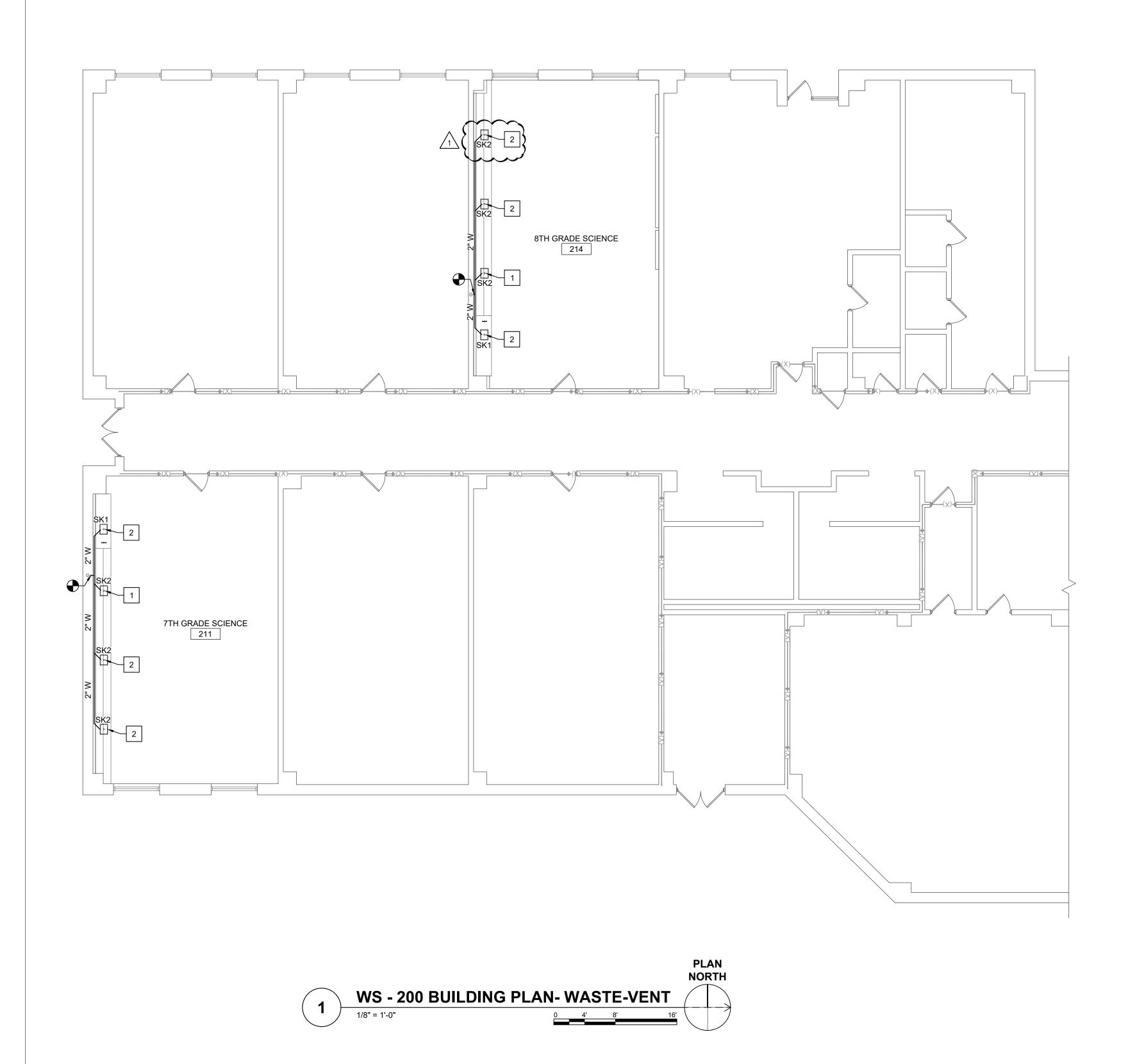
NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

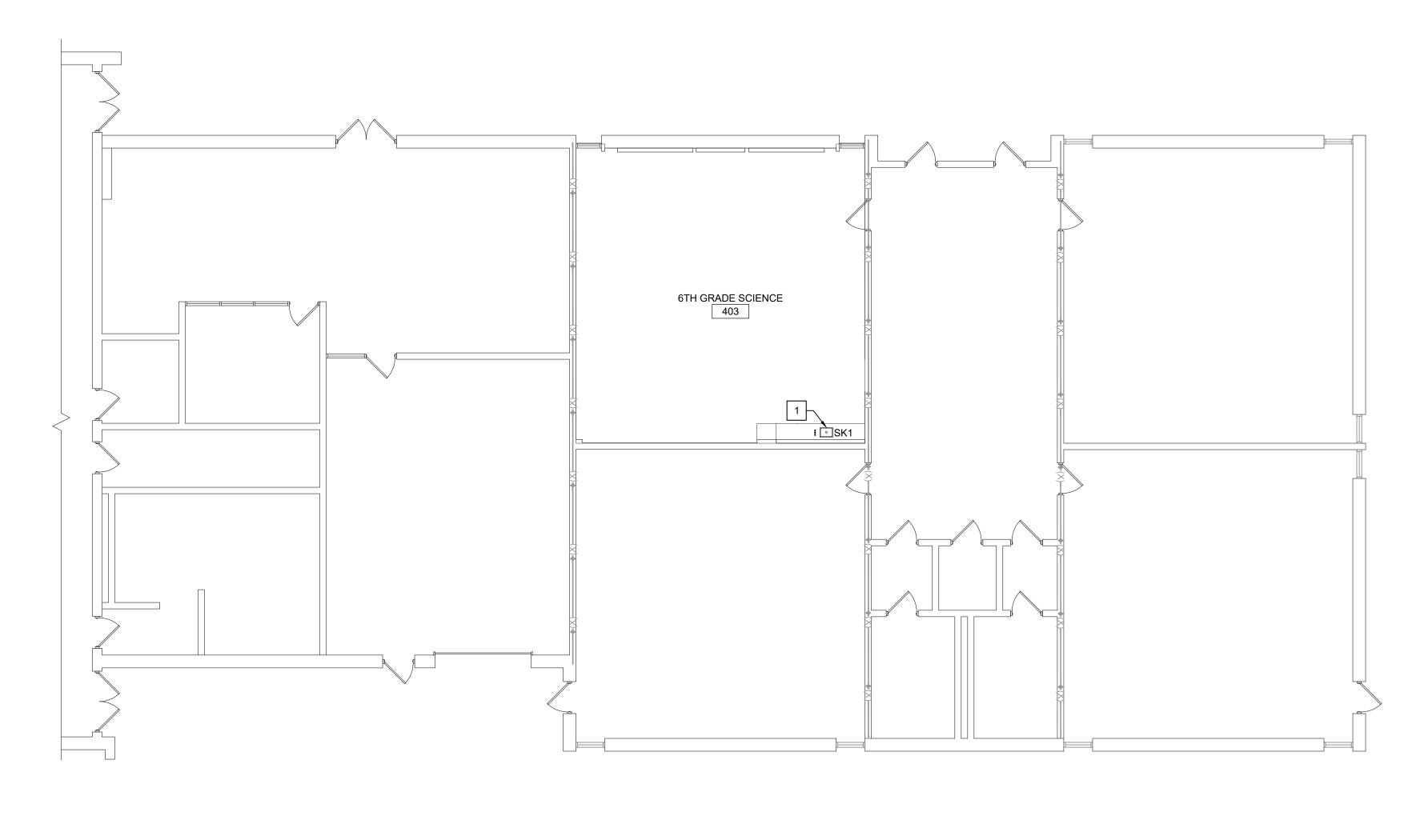
## PLUMBING LEGEND

PLUMBING LEGEND		
CA	COMPRESSED AIR PIPING	
CC	CONDENSATE PIPING	
140°F	DOMESTIC 140°F WATER PIPING	
140°R	DOMESTIC 140°F RETURN WATER PIPING DOMESTIC COLD WATER PIPING	
	DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER CIRCULATION PIPING	
	DOMESTIC HOT WATER PIPING	
	FILTERED WATER PIPING	
SP	FIRE SPRINKLER PIPING	
	FORCE MAIN PIPING	
NG	GAS PIPING (NAT. OR LP)	
GW	GREASE WASTE PIPING	
N2	NITROUS OXIDE PIPING O2 (0XYGEN) PIPING	
02 0D	OVERFLOW ROOF DRAIN PIPING	
RD	ROOF DRAIN PIPING	
	SANITARY VENT PIPING	
	SANITARY WASTE PIPING	
TT	TEPID WATER PIPING	
VAC	VACUUM PIPING	
	BACKFLOW PREVENTION DEVICE	
k	BALL VALVE	
N	CHECK VALVE	
;	CIRCUIT SETTER (BALANCING VALVE)	
p	CIRCULATION PUMP	
&	CONTROL VALVE	
-	EXTENT OF DEMOLITION	
FCOO	FLOOR CLEANOUT	
FD C	FLOOR DRAIN	
FS	FLOOR SINK	
叔	GAS-REGULATOR VALVE	
X	GATE VALVE	
▶		
GCO		
t		
G+	PIPE ELBOW DOWN	
<u> </u>	PIPE ELBOW UP	
Ť	PIPE TEE	
	PIPE TEE DOWN	
	PIPE TEE UP	
SP (P FM	SUMP PUMP	
	DEMOLITION KEYED NOTE TAG	
1	NEW WORK KEYED NOTE	
	POINT OF CONNECTION - NEW TO EXISTING	
X	PRESSURE REDUCING VALVE	
& 	SOLENOID VALVE	
	THERMOSTATIC MIXING VALVE	
WCOI	WALL CLEANOUT	
HW 74	WALL HYDRANT	
• • • • • • • • • • • • • • • • • • •	WASHING MACHINE BOX	
	WATER HAMMER ARRESTOR	

NOTE: ALL ITEMS LISTED IN THIS SO	CHEDULE MAY NOT BE USED IN PROJEC





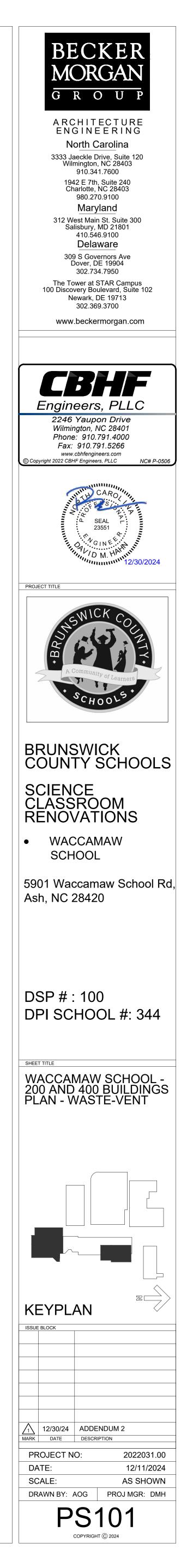


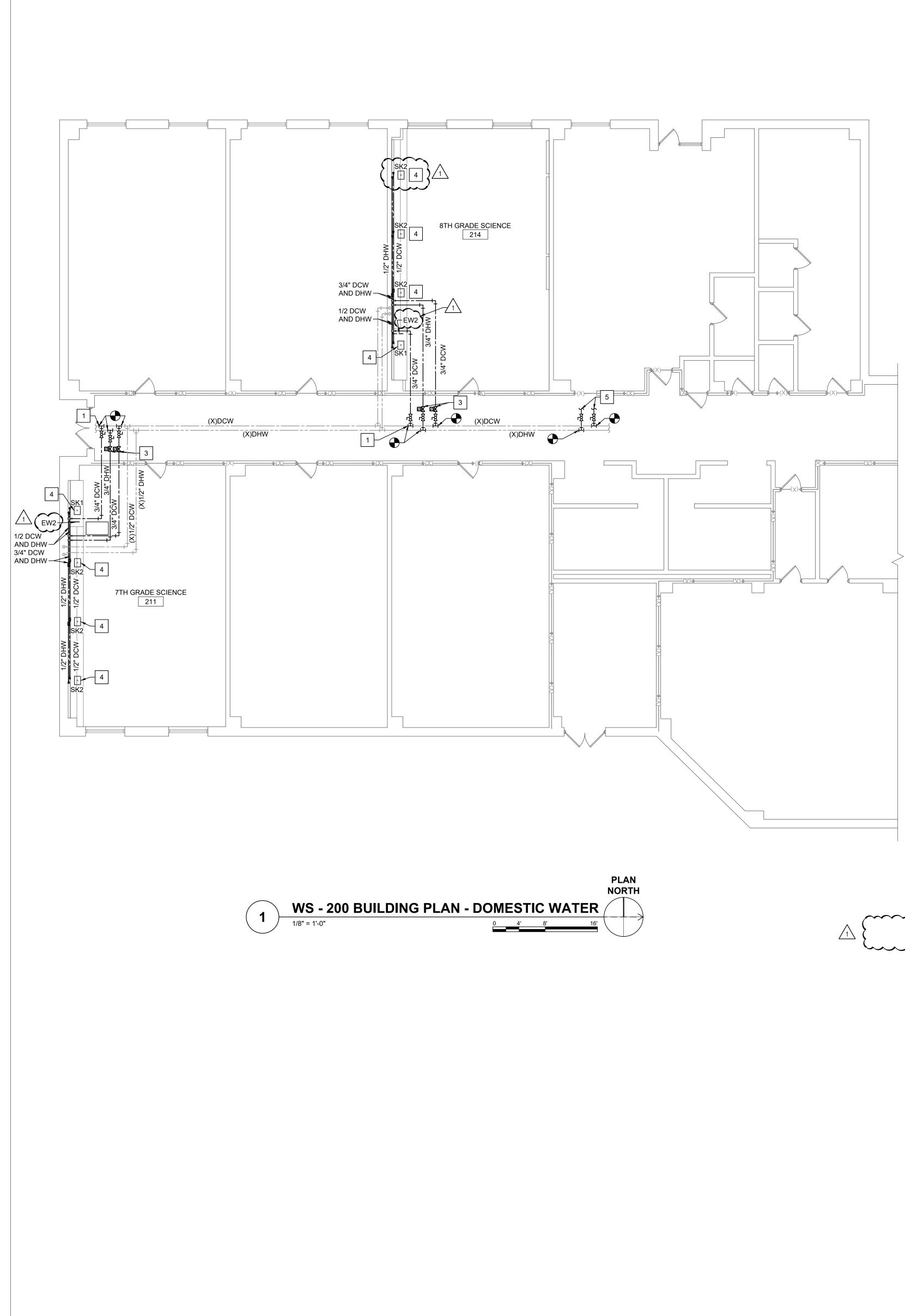


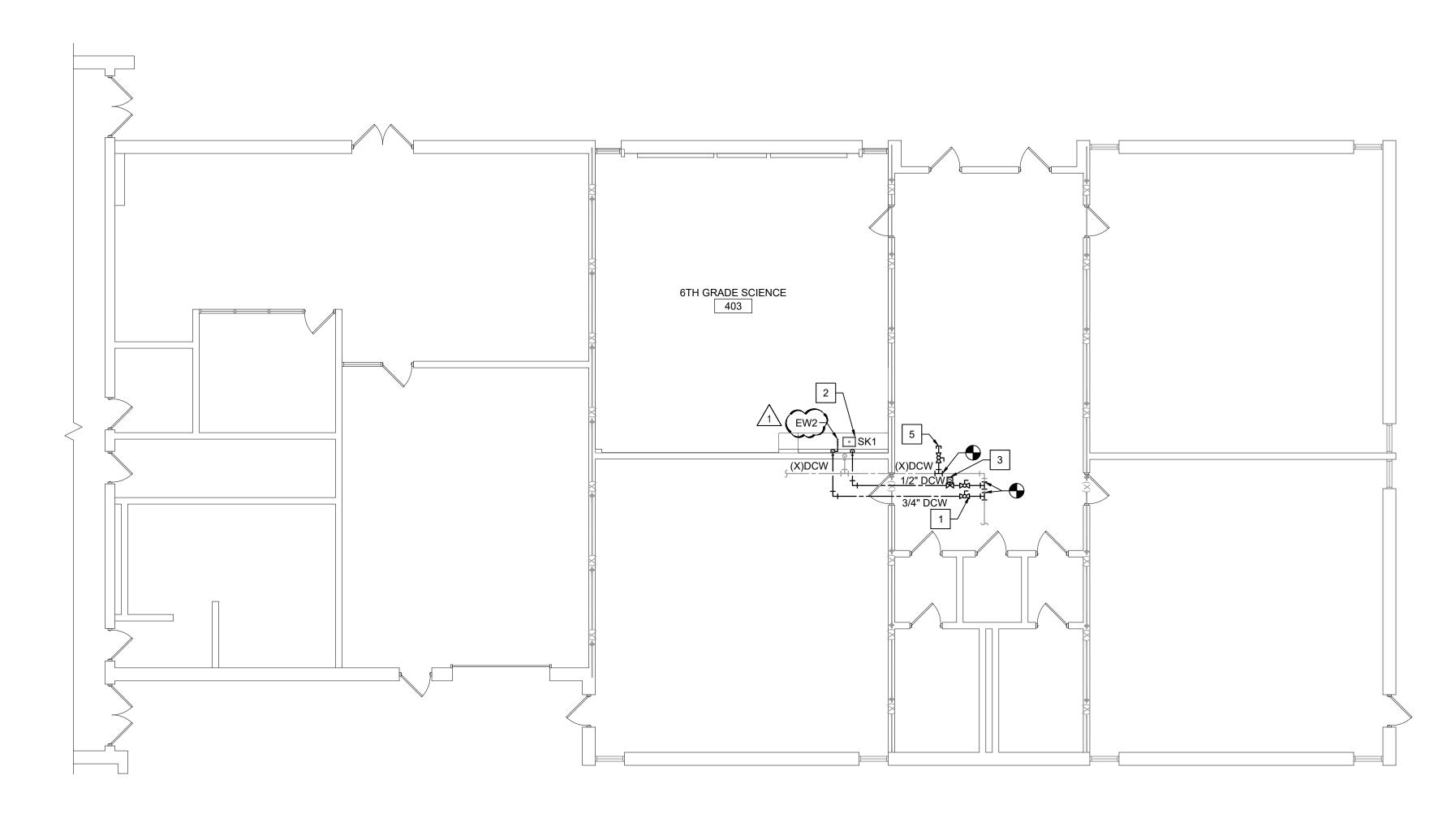
# KEYED NOTES PROVIDE AND INSTALL WASTE FITTINGS AND CONNECT SANITARY WASTE TO EXISTING WASTE PIPING SERVING (X)SK. WASTE PIPING MUST BE ROUTED BEHIND CASEWORK. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. PROVIDE AND INSTALL WASTE FITTINGS AND CONNECT SANITARY WASTE TO EXISTING WASTE PIPING. WASTE PIPING MUST BE ROUTED THROUGH NEW CASEWORK. INSTALL AND CONNECT NEW VENT PIPING TO EXISTING VENT PIPING TO COMPLY WITH TABLE

909.1 OF THE NORTH CAROLINA PLUMBING CODE. VENT PIPING MUST BE ROUTED

THROUGH NEW CASEWORK. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.









#### **KEYED NOTES**

EMERGENCY SHUTOFF SWITCH.

- 1
   PROVIDE AND INSTALL TEE AND 3/4" DCW BRANCH TO SERVE EW2 ONLY.

   2
   PROVIDE AND INSTALL DOMESTIC WATER FITTINGS AND CONNECT DOMESTIC WATER TO EXISTING WATER PIPING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
- 3 PROVIDE AND INSTALL 3/4" DCW BALL VALVE AND 3/4" DCW 2-POSITION EMERGENCY SHUTOFF BALL VALVE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR TIE-IN TO
- 4 PROVIDE AND INSTALL DOMESTIC WATER FITTINGS AND CONNECT DOMESTIC WATER TO FEED NEW SINKS. ROUTE NEW DOMESTIC WATER PIPING IN NEW FURR OUT WALL. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
- 5 PROVIDE AND INSTALL TEE, 1" BALL VALVE AND PIPE CAP FOR FUTURE EXTENSION.

