

APPLICABLE CODES:
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL FIRE CODE
ANSI-A117.1 2017

FIRE-RESISTANCE RATING REQ.
(FROM TABLE 601)
PRIMARY STRUCTURAL FRAME II-B
BEARING WALLS - EXTERIOR 0
BEARING WALLS - INTERIOR 0
NONBEARING WALL - EXTERIOR 0 >30'
NONBEARING WALL - INTERIOR 0
FLOOR CONSTRUCTION 0
ROOF CONSTRUCTION 0

OCCUPANT LOAD:

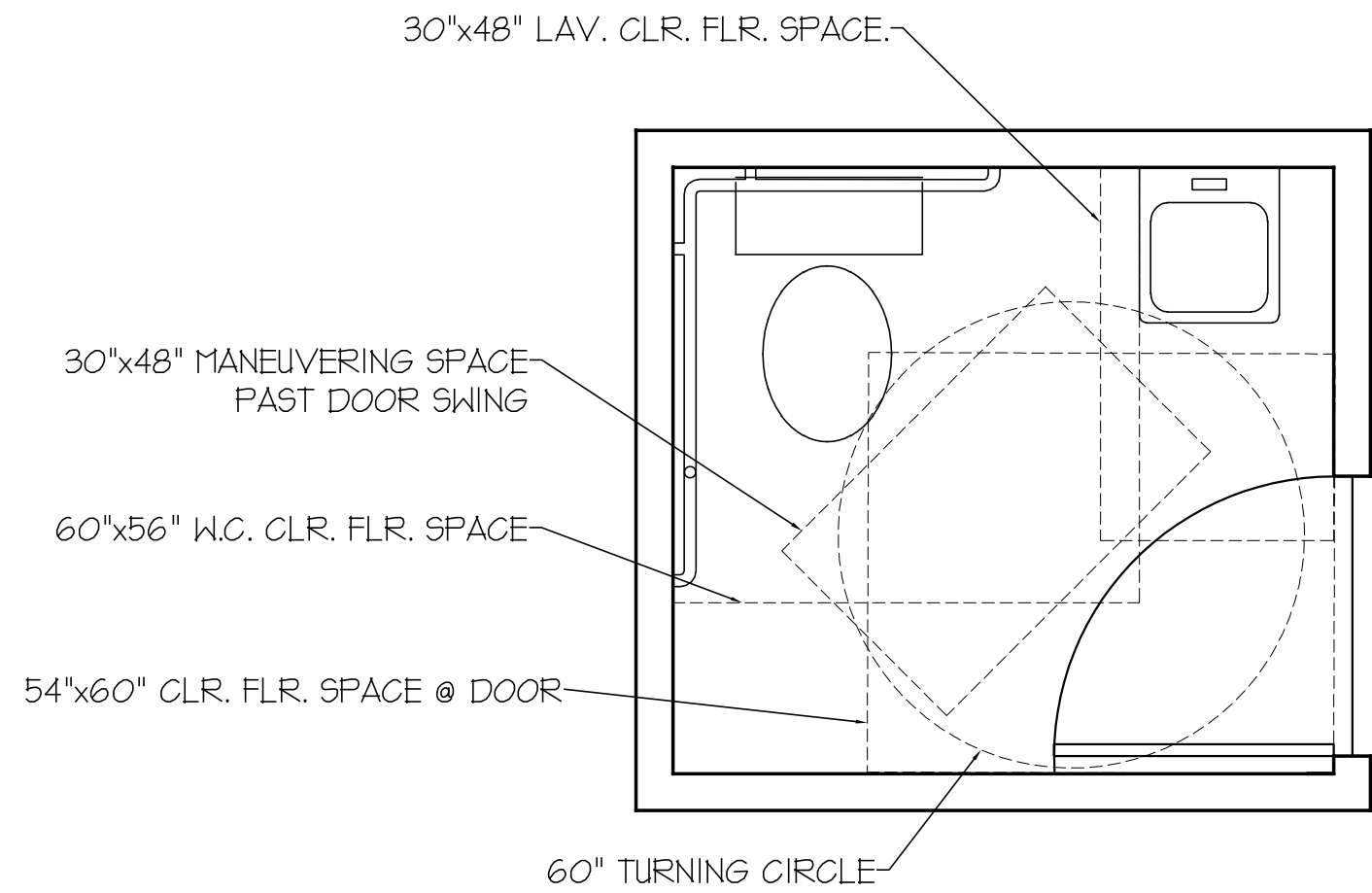
TEACHER LOUNGE : 1120 SF/15 SF PER PERSON = 75 PEOPLE
TWO EXITS ARE REQUIRED PER IBC TABLE 1015.1
ACTUAL EXITS PROVIDED: 2 EXITS

TEACHER WORK ROOM : EMPLOYEES = 3 PEOPLE
ONE EXIT IS REQUIRED PER IBC TABLE 1015.1
ACTUAL EXITS PROVIDED: 1 EXIT

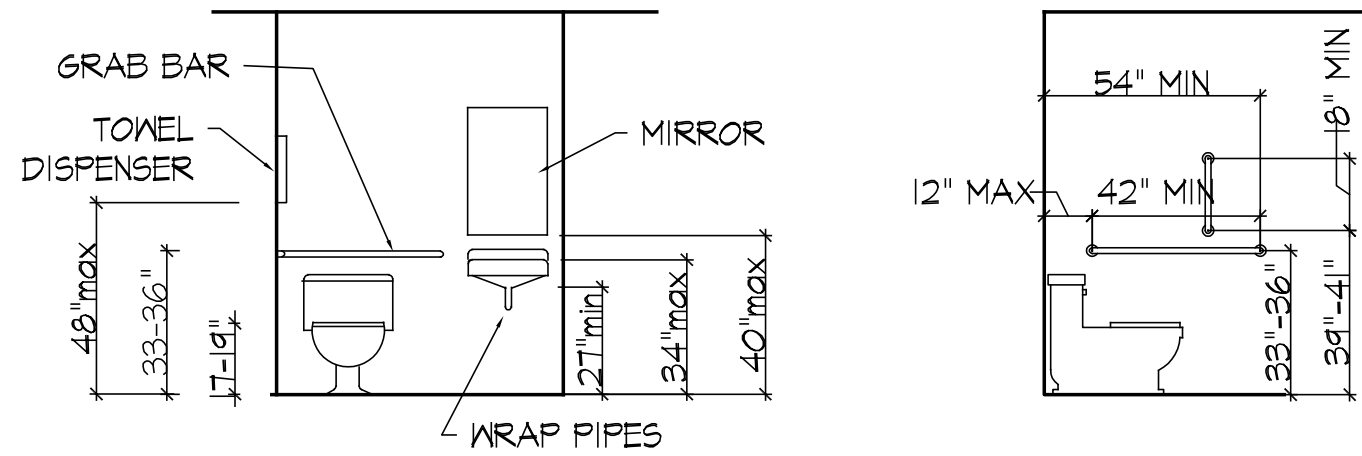
TRAVEL DISTANCE
(TABLE 1017.2)
TEACHER LOUNGE
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 200'
ACTUAL MAXIMUM TRAVEL DISTANCE = 46'
DIAGONAL DISTANCE: 50'-0"
MIN. ALLOWABLE DISTANCE BETWEEN EXITS: 50' / 2 = 25'
ACTUAL DISTANCE BETWEEN EXITS: 66'

PLUMBING FIXTURES
(TABLE 2902.1)
TEACHER LOUNGE
THE NEW RESTROOMS ARE IN ADDITION TO THE EXISTING RESTROOMS.

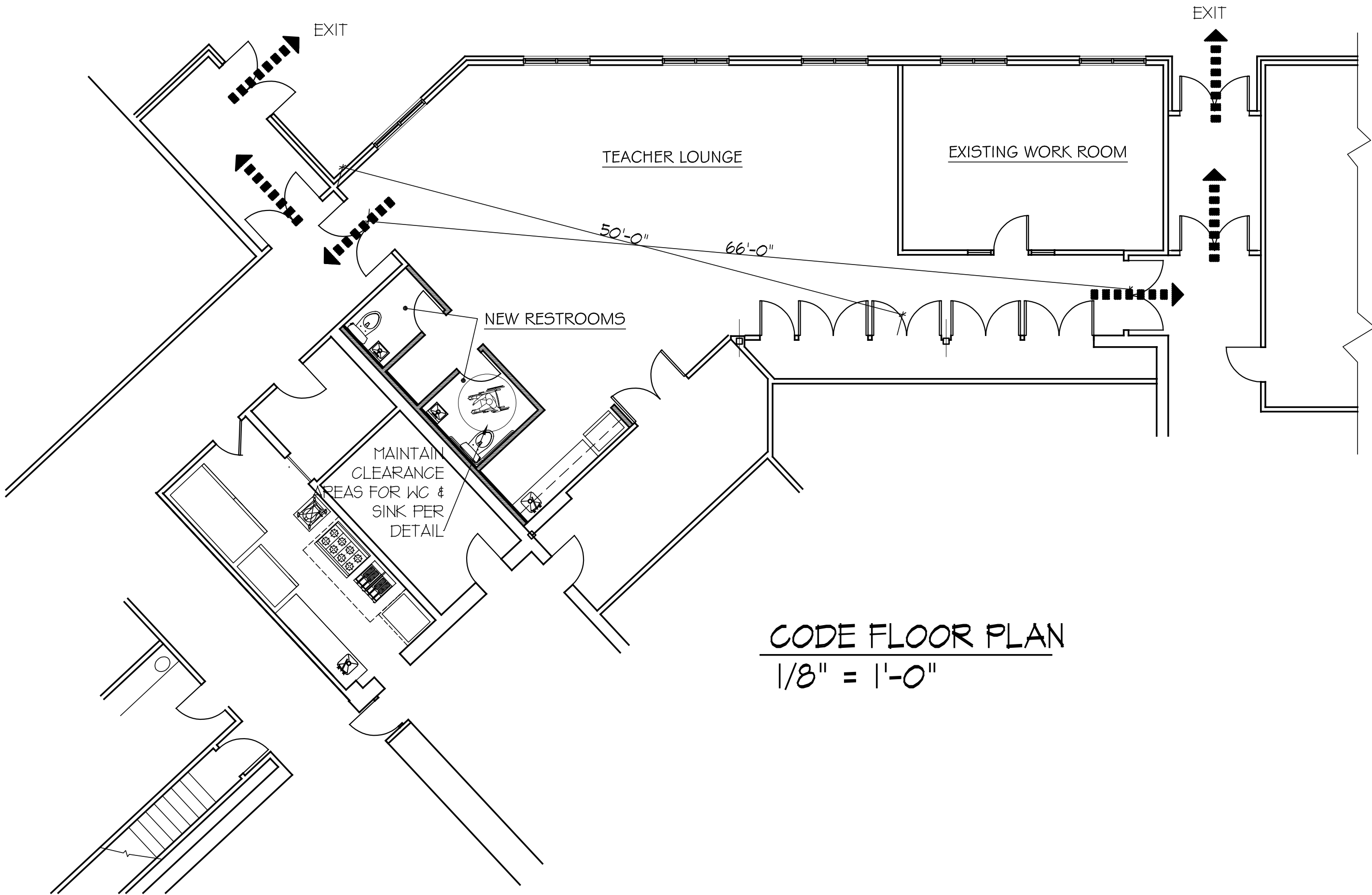
SPACE	OCCUPANCY GROUP	SPRINKLER SYSTEM	FIRE ALARM SYSTEM	CONSTR. TYPE	ALLOWABLE NO. OF STORIES	ACTUAL NO. OF STORIES	ALLOWABLE HEIGHT	ACTUAL HEIGHT	ALLOWABLE SQ. FT.	ACTUAL SQ. FT.
	(SEC. 303.4)			(SEC. 602)	(TABLE 504.4)		(TABLE 504.3)		(TABLE 506.2)	(TEACHER LOUNGE ONLY)
TEACHER LOUNGE	E	NO	YES	II-B	2	1	55'	14'	PART OF SCHOOL	1120 SF



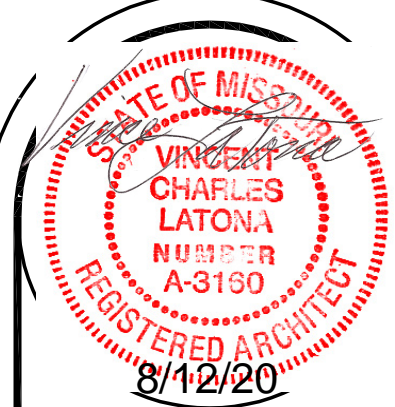
MANEUVERING DIMENSIONS
1/2" = 1'-0"



RESTROOM DIMENSIONS
1/4" = 1'-0"



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



OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOMS

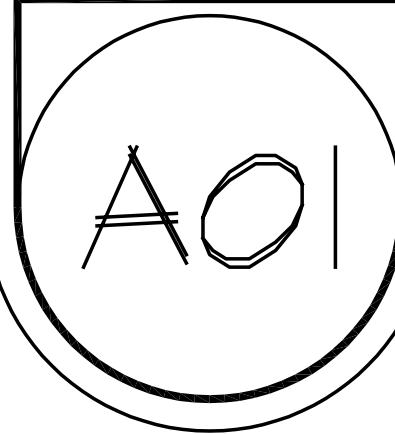
150 NW MURRAY RD.
LEE'S SUMMIT, MO

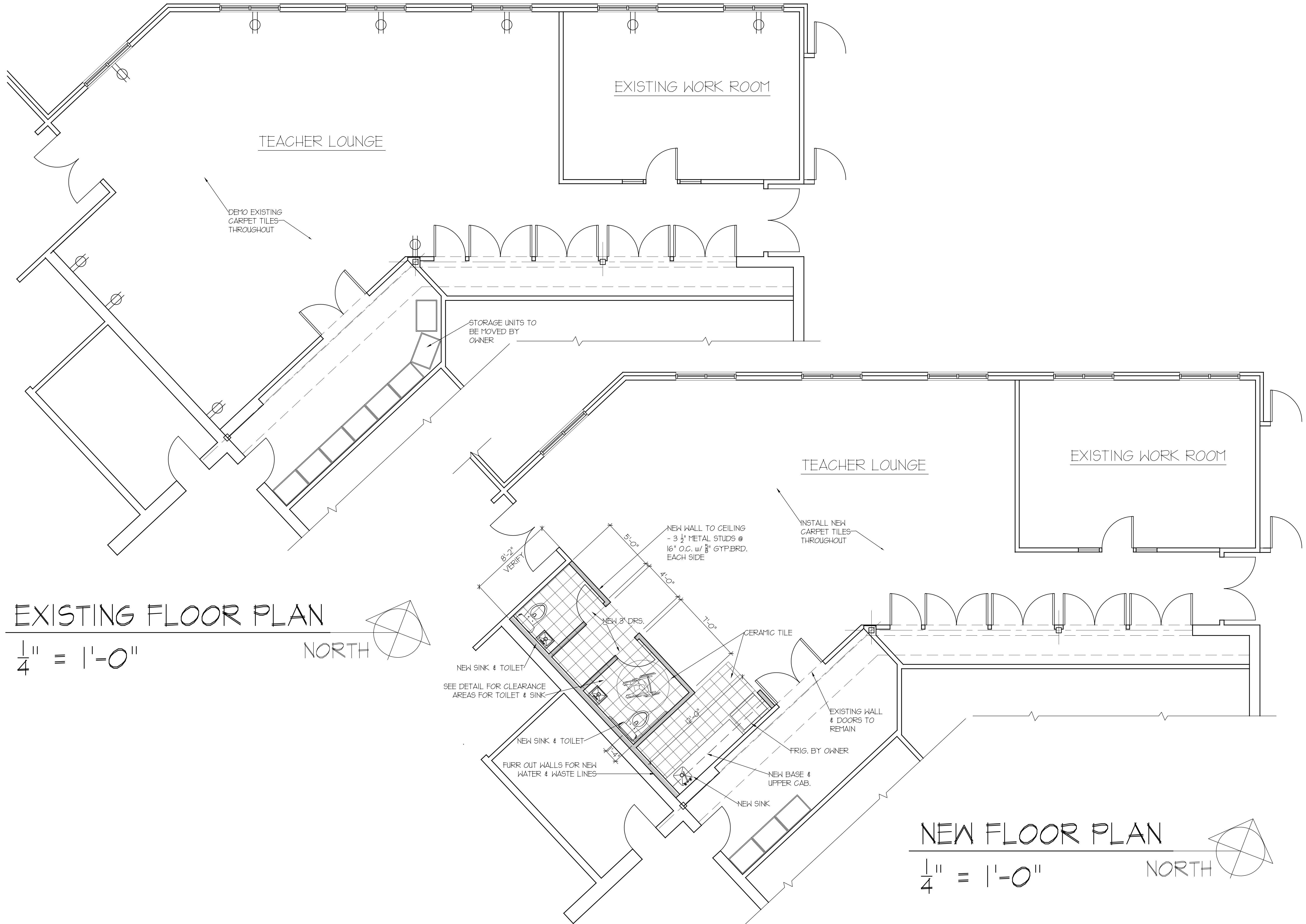
LATONA ARCHITECTS

1600 GENESSEE, SUITE 810, KANSAS CITY, MO. 64102 816 471-0044

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OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOM

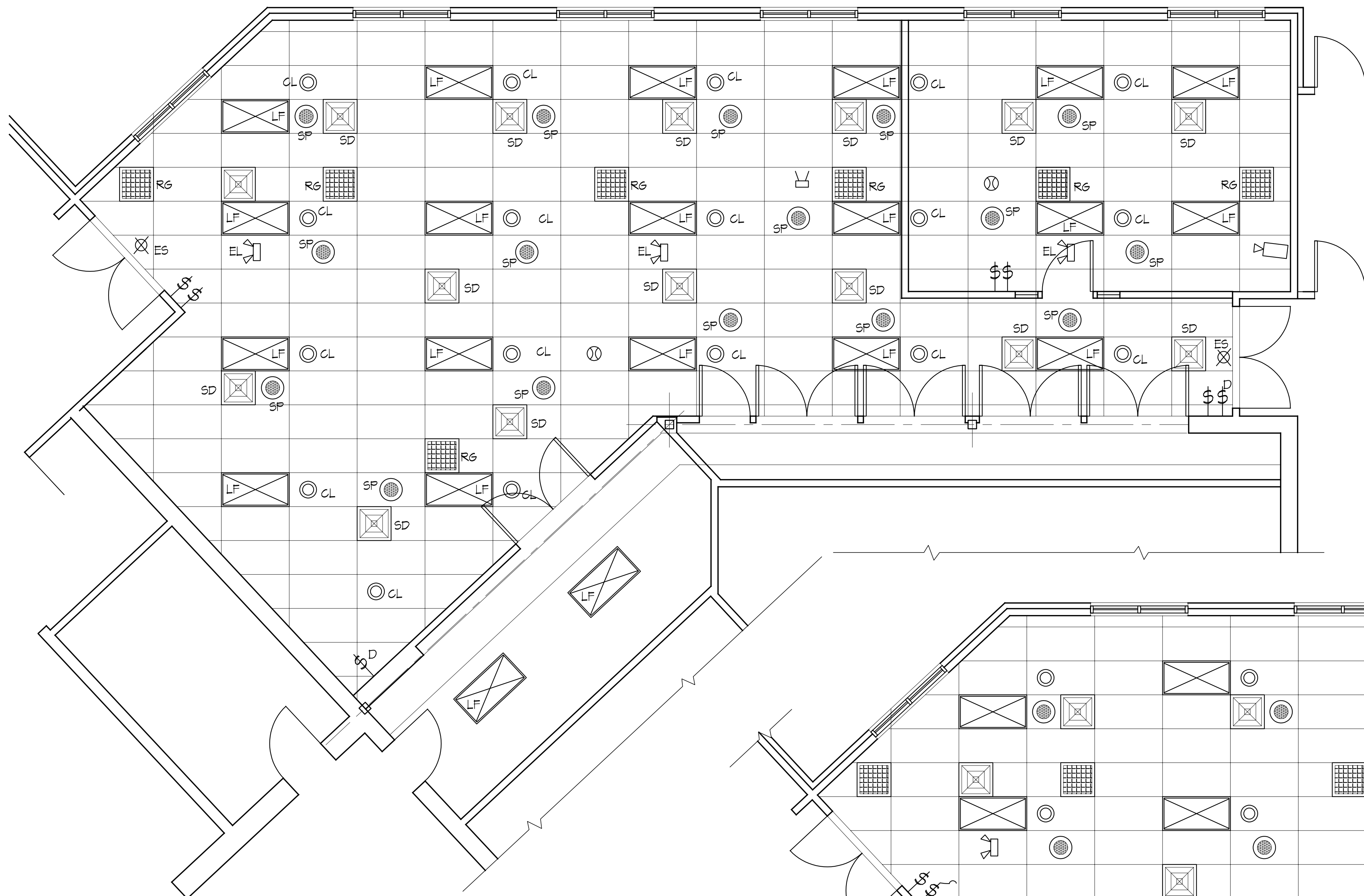
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A02



EXISTING CEILING PLAN

$\frac{1}{4}'' = 1'-0''$

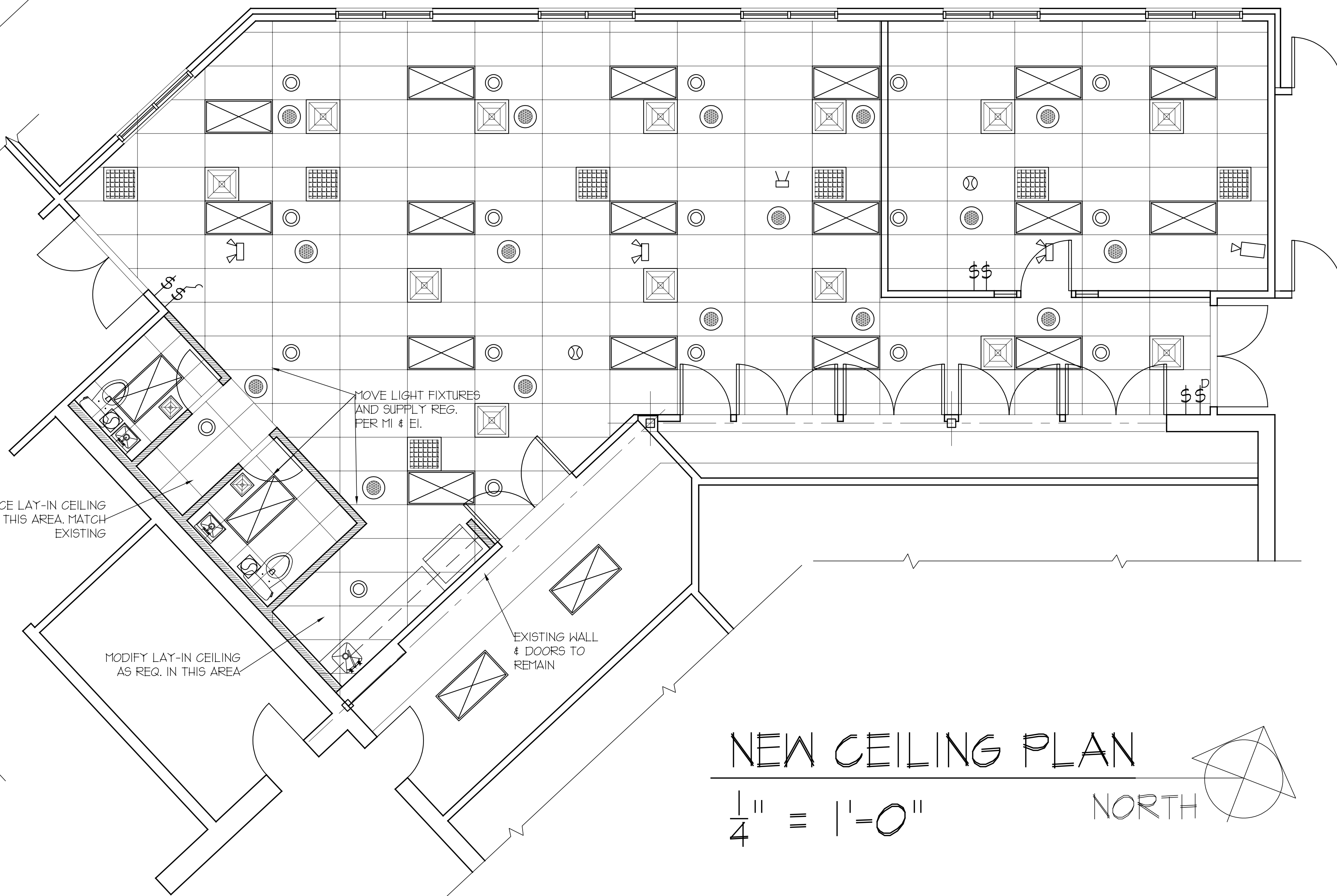
NORTH

REPLACE LAY-IN CEILING
IN THIS AREA. MATCH
EXISTING

MODIFY LAY-IN CEILING
AS REQ. IN THIS AREA

MOVE LIGHT FIXTURES
AND SUPPLY REG.
PER MI & EI.

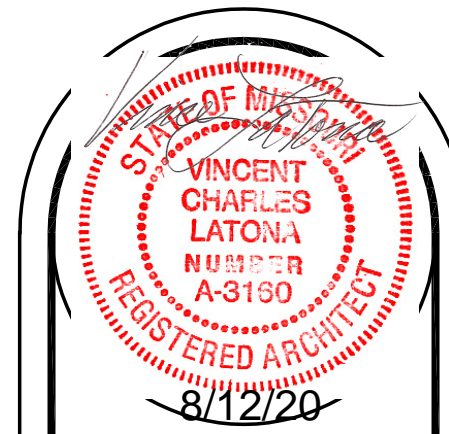
EXISTING WALL
& DOORS TO
REMAIN



NEW CEILING PLAN

$\frac{1}{4}'' = 1'-0''$

NORTH



OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOM

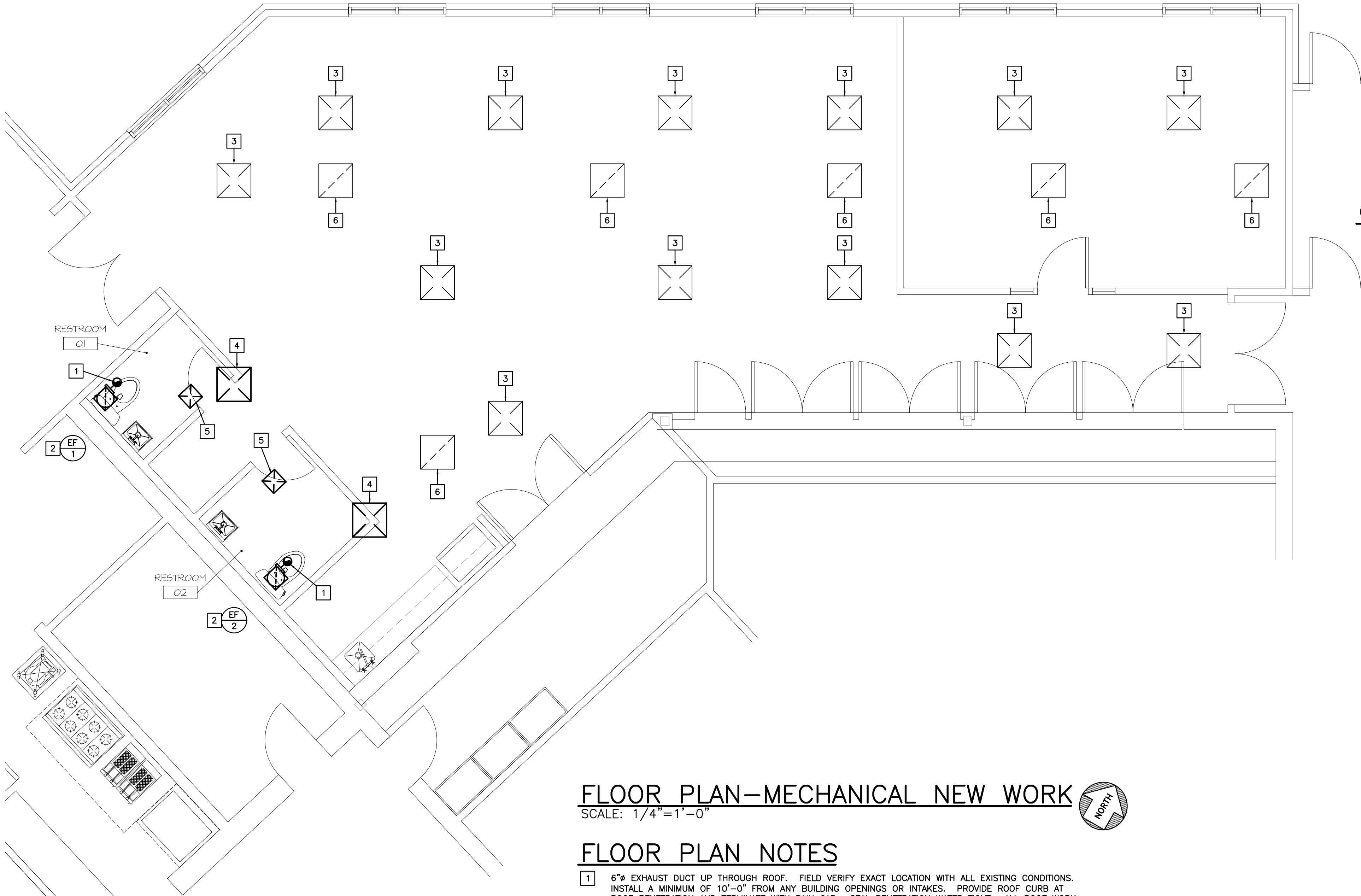
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Revised:

A03

150 NW MURRAY RD.
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FLOOR PLAN—MECHANICAL NEW WORK
SCALE: 1/4"=1'-0"

FLOOR PLAN NOTES

- 6"Ø EXHAUST DUCT UP THROUGH ROOF. FIELD VERIFY EXACT LOCATION WITH ALL EXISTING CONDITIONS. INSTALL A MINIMUM OF 10'-0" FROM ANY BUILDING OPENINGS OR INTAKES. PROVIDE ROOF CURB AT ROOF PENETRATION AND TERMINATE WITH RAIN CAP. SEAL PENETRATION WATER TIGHT. ALL ROOF WORK SHALL BE IN ACCORDANCE WITH EXISTING ROOF WARRANTY. CONTRACTOR SHALL SUBMIT ROOF PENETRATION METHOD TO BUILDING OWNER FOR REVIEW PRIOR TO INSTALLING.
- EXHAUST FAN. RE: SCHEDULE. HANG SECURELY FROM STRUCTURE ABOVE. MAKE DUCT CONNECTION INDICATED. TRANSITION AS REQUIRED.
- EXISTING DIFFUSER TO REMAIN. FIELD VERIFY EXACT LOCATION.
- REMOVE EXISTING DIFFUSER AND MAINTAIN BRANCH DUCT FOR NEW DIFFUSER IN RESTROOM. EXTEND BRANCH DUCT AS REQUIRED.
- NEW 12x12 DIFFUSER. CONNECT TO EXISTING BRANCH DUCT MADE AVAILABLE DUE TO DEMOLITION. TRANSITION AS REQUIRED. BALANCE FOR 50 CFM.
- EXISTING RETURN GRILLE TO REMAIN. FIELD VERIFY EXACT LOCATION.

OUTSIDE AIR CALCULATION

UNIT	AREA SERVED	AREA (SQ.FT)	EXHAUST RATE	REQUIRED EXHAUST AIR	PROVIDED EXHAUST AIR
F-1	RESTROOM 01	36	75CFM/FIXTURE	75 CFM	75 CFM
F-1	RESTROOM 02	50	75CFM/FIXTURE	75 CFM	75 CFM
				150 CFM	150 CFM
NOTES: 1. BASED ON ASHRAE 62.1 TABLE 6-1					

EXHAUST FAN SCHEDULE

EF #	MANUFACTURER	MODEL NO.	CFM	S.P. (IN W.G.)	TYPE	RPM	DRIVE	ELECTRICAL				FAN TO BE CONTROLLED BY	NOTES
								VOLT	#	HZ	HP (WATTS)		
EF-1	GREENHECK	SP-B90	75	0.25	CEILING MOUNTED	1050	DIRECT	120	1	60	(50)	LIGHTING	NOTE 1
EF-2	GREENHECK	SP-B90	75	0.25	CEILING MOUNTED	1050	DIRECT	120	1	60	(50)	LIGHTING	NOTE 1
NOTES: 1. PROVIDE WITH INTEGRAL CEILING GRILLE, BACKDRAFT DAMPER, FLAT ROOF CAP (RCC-7) AND PLUG TYPE DISCONNECT SWITCH.													

EXHAUST FAN
SEQUENCE OF OPERATION

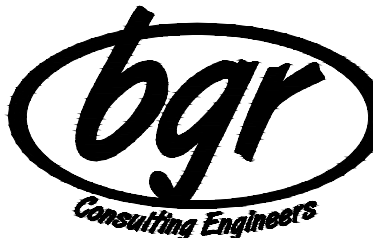
TOILETS - EF-2 & 3
FANS SHALL OPERATE AT ALL TIMES WHEN TOILET IS OCCUPIED.

MECHANICAL SYMBOLS

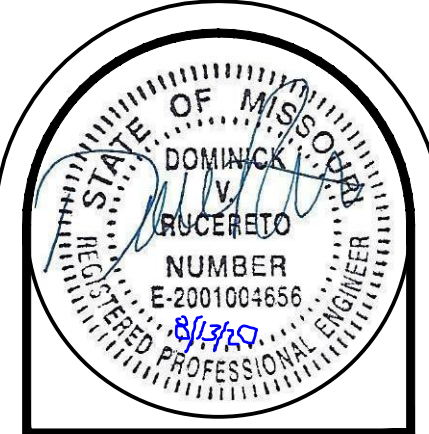
- EXISTING DUCTWORK TO BE REMOVED
- EXISTING DUCTWORK TO REMAIN
- NEW DUCTWORK
- SUPPLY DUCT
- RETURN OR EXHAUST DUCT
- SUPPLY DIFFUSER
- RETURN GRILLE
- CONNECT TO EXISTING
- SUPPLY DIFFUSER, RETURN OR EXHAUST GRILLE TYPE
- EQUIPMENT TYPE AND DESIGNATION

GENERAL NOTES (TYPICAL ALL SHEETS)

- CONTRACTORS AND SUBCONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CAN NOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENT OF OWNER AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWING FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, BOCA, UBC, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- CUTTING AND PATCHING OF FLOORS, WALLS, CEILING, ETC., REQUIRED IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECT'S REQUIREMENTS.
- COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID ROUTING CONFLICTS.
- ALL MATERIALS EXPOSED WITHIN DUCTS AND PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH THE TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, UBC STANDARD 8-1.
- NO PVC PIPING WITHIN PLENUM IS ALLOWED.
- ROUND DUCT DIMENSIONS SHOWN ARE AIR SIDE RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK UNLESS INDICATED OTHERWISE. LENGTH OF FLEXIBLE DUCTS ARE NOT TO EXCEED 5'-0".
- CONTRACTOR SHALL CAULK/SEAL EVERY WALL PENETRATION AS SPECIFIED BY ARCHITECT OR ENGINEER. WHERE WALL IS SMOKE/FIRE RATED CONTRACTOR SHALL PROVIDE REQUIRED U.L. FIRE STOP. IF THE ARCHITECTURAL AND MECHANICAL SPECIFICATIONS REGARDING CAULKING/SEALING ARE NOT CONSISTENT CONTRACTOR SHALL USE THE MOST STRINGENT.
- INTENT.** BY SUBMITTING A BID THE CONTRACTOR ACCEPTS RESPONSIBILITY TO PROVIDE A COMPLETE HVAC SYSTEM BASED ON THE INTENT OF THESE DRAWINGS. THE DRAWINGS SHALL SERVE AS WORKING DRAWINGS FOR THE GENERAL LAYOUT OF THE VARIOUS ITEMS OF EQUIPMENT; ARE DIAGRAMMATIC; AND DO NOT NECESSARILY INDICATE EVERY REQUIRED ITEM. AS SUCH THE CONTRACTOR SHALL INCLUDE AS A PART OF HIS BID ALL WORK, MATERIALS, LABOR, EQUIPMENT, TOOLS, INSURANCE, TAXES, SERVICES, APPURTENANCES, ETC. TO MAKE A COMPLETE OPERATIONAL SYSTEM. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL OBLIGATIONS ASSOCIATED WITH COMPLETION OF MECHANICAL WORK AS PROVIDED BY THE CONTRACT DOCUMENTS.
- CHANGES.** CONTRACTOR SHALL NOT MAKE ANY CHANGE TO OR DEViate FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE OR LIABLE FOR ANY CHANGES MADE WITHOUT THE ENGINEER'S KNOWLEDGE AND APPROVAL.
- QUESTIONS.** ANY QUESTIONS THAT ARISE IN THE FIELD OR UPON REVIEW OF THE CONTRACT DRAWINGS THE CONTRACTOR SHALL SUBMIT THE QUESTION IN WRITING TO THE ARCHITECT/ENGINEER FOR CLARIFICATION. A PHONE CALL IS PERMISSIBLE BUT MUST BE FOLLOWED BY WITH THE WRITTEN SUBMISSION.
- DOCUMENTS.** CONTRACTOR SHALL READ AND BE FAMILIAR WITH THE REQUIREMENTS WITHIN ALL DRAWINGS AND SPECIFICATIONS. HE SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS TO FAMILIARIZE HIMSELF WITH THE TYPE OF CONSTRUCTION, MATERIALS, AND EQUIPMENT TO BE USED FOR ALL WORK AND HOW IT WILL AFFECT THE INSTALLATION OF HIS CONTRACT. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE MADE SUCH EXAMINATION, TO HAVE ACCEPTED SUCH CONDITIONS, TO HAVE MADE ALLOWANCE THEREFOR, AND INCLUDED ALL COSTS IN HIS PROPOSAL. FAILURE TO DETERMINE EXISTING CONDITIONS WILL NOT BE CONSIDERED A BASIS FOR THE GRANTING OF ADDITIONAL COMPENSATION.
- COORDINATION.** COORDINATE WORK WITH THAT OF OTHER TRADES SO THAT THE VARIOUS COMPONENTS OF THE SYSTEMS WILL BE INSTALLED AT THE PROPER TIME, AND WILL FIT THE AVAILABLE SPACE, AND WILL ALLOW PROPER SERVICE ACCESS TO THOSE ITEMS REQUIRING MAINTENANCE. COMPONENTS WHICH ARE INSTALLED WITHOUT REGARD TO THE ABOVE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.
- CHASES.** UNLESS OTHERWISE INDICATED, THE GENERAL CONTRACTOR WILL PROVIDE CHASES AND OPENINGS IN BUILDING CONSTRUCTION REQUIRED FOR INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN. CONTRACTOR SHALL FURNISH THE GENERAL CONTRACTOR WITH INFORMATION WHERE CHASES AND OPENING AS REQUIRED. KEEP INFORMED AS TO THE WORK OF OTHER TRADES ENGAGED IN THE CONSTRUCTION OF THE PROJECT AND EXECUTE WORK IN A MANNER AS TO NOT INTERFERE WITH OR DELAY THE WORK OF OTHER TRADES.
- DIMENSIONS.** FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD OF HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.
- TRIM.** PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATION OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.
- DRAWING PRIORITY.** THE ARCHITECTURAL AND STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THE MECHANICAL AND ELECTRICAL DRAWINGS IN THE REPRESENTATION OF THE GENERAL CONSTRUCTION WORK.
- CONTRACTOR SHALL PERFORM A SITE VISIT TO EXAMINE THE EXISTING SPACE CONDITIONS PRIOR TO SUBMITTING A BID.
- PROTECTION.** STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. COVER WITH WATERPROOF, TEAR RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER OR PHYSICAL DAMAGE. EQUIPMENT AND MATERIAL THAT HAS DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED AND THE CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND. PLUG OR CAP OPEN ENDS OF DUCTWORK AND PIPING SYSTEMS WHILE STORED AND INSTALLED DURING CONSTRUCTION WHEN NOT IN USE TO PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS. KEEP THE MANUFACTURER-PROVIDED PROTECTIVE COVERINGS ON FLOOR DRAINS, FLOOR SINKS AND TRENCH DRAINS DURING CONSTRUCTION. REMOVE COVERINGS AT THE TERMINATION OF THE WORK AND POLISH EXPOSED SURFACES.
- LICENSES/CODES.** THE MECHANICAL CONTRACTOR SHALL BE LICENSED TO PERFORM MECHANICAL WORK IN THE MUNICIPALITY IN WHICH THE PROJECT IS LOCATED. ALL PRODUCTS AND TYPES OF CONSTRUCTION SHALL MEET OR EXCEED THE LATEST EDITION OF APPLICABLE STANDARDS OF MANUFACTURER, TESTING, PERFORMANCE AND INSTALLATION. WORK PERFORMED UNDER THIS CONTRACT SHALL, AT A MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES HAVE JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL AHJ INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEEDS THE REQUIREMENTS OF THE REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. WHERE REQUIRED, OBTAIN, PAY FOR AND FURNISH CERTIFICATES OF INSPECTION TO THE OWNER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY VIOLATION OF THE LAW, MAINTAIN NECESSARY SIGNAL LIGHTS AND GUARDS FOR THE SAFETY OF THE PUBLIC. THE WORK SHALL COMPLY WITH THE EDITION OF THE APPLICABLE STANDARDS, REGULATIONS AND CODES CURRENTLY IN FORCE OF ALL STATE AND LOCATION AUTHORITIES HAVING JURISDICTION. WHERE QUANTITIES, SIZES, OR OTHER REQUIREMENTS INDICATED ON THE DRAWINGS OR HEREIN SPECIFIED ARE IN EXCESS OF THE STANDARD OR CODE REQUIREMENTS, THE SPECIFICATIONS AND/OR DRAWINGS SHALL GOVERN. IN THE ABSENCE OF OTHER APPLICABLE LOCAL CODES, ACCEPTABLE TO THE ARCHITECT/ENGINEER, AND UNIFORM PLUMBING AND MECHANICAL CODES SHALL APPLY TO THIS WORK.
- CEILINGS.** CONTRACTOR SHALL COORDINATE GRILLE/DIFFUSER TYPES WITH ARCHITECTURAL REFLECTED CEILING PLAN.



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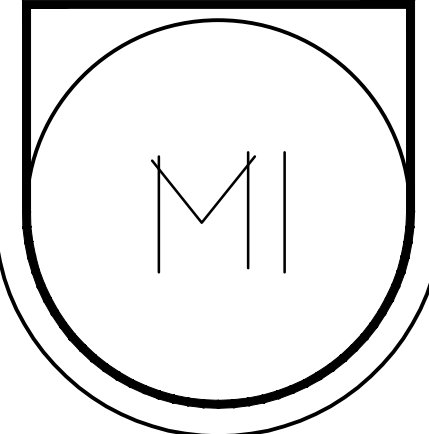
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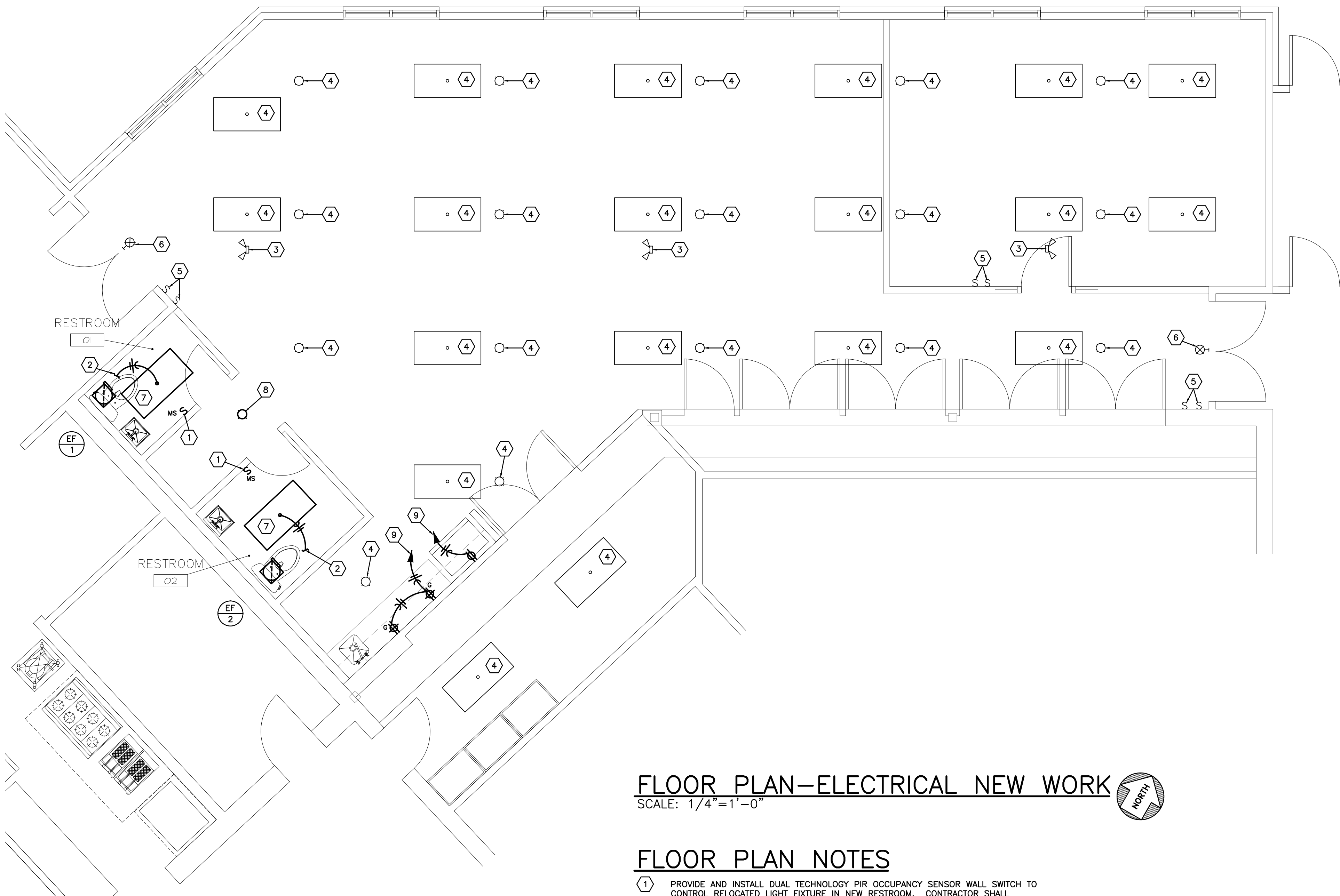
OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOM

L A T O N A A R C H I T E C T S
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Job No.
Drawn by: BGR
Issue Date: 08/12/20

Revised:





FLOOR PLAN—ELECTRICAL NEW WORK

SCALE: 1/4"=1'-0"

FLOOR PLAN NOTES

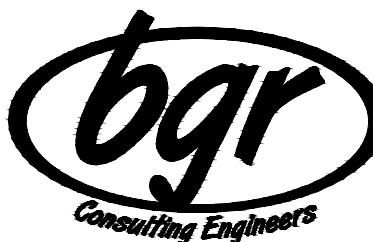
- PROVIDE AND INSTALL DUAL TECHNOLOGY PIR OCCUPANCY SENSOR WALL SWITCH TO CONTROL RELOCATED LIGHT FIXTURE IN NEW RESTROOM. CONTRACTOR SHALL PROGRAM SWITCH TO BE 'MANUAL ON'. WIRE PER MANUFACTURERS INSTALLATION REQUIREMENTS. EXTEND EXISTING POWER CIRCUITRY AS NECESSARY.
- CONNECT EXTENDED CIRCUIT FOR RELOCATED LIGHT TO NEW EXHAUST FAN. FAN TO BE POWERED TO RUN WHEN LIGHT IS ON.
- EXISTING EMERGENCY LIGHT FIXTURE TO REMAIN.
- EXISTING LIGHT FIXTURE TO REMAIN.
- EXISTING LIGHT SWITCH TO REMAIN.
- EXISTING EXIT SIGN TO REMAIN.
- RELOCATED LIGHT FIXTURE. EXTEND CIRCUITRY TO NEW LOCATION AS REQUIRED. LIGHT TO BE CONTROLLED BY NEW MOTION SENSOR IN THIS ROOM.
- RELOCATED LIGHT FIXTURE. EXTEND CIRCUITRY TO NEW LOCATION AS REQUIRED. LIGHT TO BE CONTROLLED WITH OTHER EXISTING LIGHTS IN THIS ROOM.
- HOMERUN TO EXISTING PANELBOARD AND TERMINATE ON 20A SPARE BREAKER AS REQUIRED. IF NO SPARE IS AVAILABLE PROVIDE AND INSTALL NEW 20A BREAKER IN AVAILABLE SPACE.

GENERAL NOTES (TYPICAL ALL SHEETS)

- REFER TO ARCHITECTS PLANS FOR DETAIL OF ALL CONDUIT THRU ROOF PENETRATIONS.
- INSTALL BLANK COVERPLATE ON ALL OPEN OR ABANDONED DEVICE BOXES. VERIFY COLOR WITH ARCHITECT.
- UPDATED, TYPEWRITTEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR EACH PANELBOARD THAT CIRCUITS HAVE BEEN ADDED TO OR MODIFIED.
- ALL LIGHT FIXTURES SHALL BE SUPPORTED PER UBC STANDARD 47-18 WITH A MINIMUM OF (4) 12 GA. HANGER WIRES TO STRUCTURE ABOVE.
- EXIT AND EMERGENCY LIGHTS SHALL BE CONNECTED TO HOT LEG, NOT SWITCH LEG.
- CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL SYSTEM FURNITURE WITH FURNITURE INSTALLER.
- DISCONNECTS FOR MECHANICAL EQUIPMENT ARE PROVIDED BY OTHERS. UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL ALIGN ALL WIRING DEVICES IN VERTICAL ALIGNMENT. IF ANY DEVICE(S) ARE FOUND NOT TO BE INSTALLED PER DETAIL CONTRACTOR SHALL RELOCATE AND PAY ALL ASSOCIATED COSTS ASSOCIATED WITH THE RELOCATION(S).
- THE CONTRACTOR SHALL REVIEW ALL DRAWINGS IN THE CONSTRUCTION SET FOR ELECTRICAL WORK AND RELOCATIONS NOT INDICATED ON THE ELECTRICAL DRAWINGS. ALL ELECTRICAL WORK SHOWN IN THE CONSTRUCTION SET SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTORS BID.

ELECTRICAL SYMBOLS

- BRANCH CIRCUIT CONCEALED IN CEILING OR WALL - ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.
- CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SLAB.
- GROUNDING CONDUCTOR #12, EXCEPT AS NOTED.
- EXIT LIGHT - SINGLE FACED - ARROWS AS SHOWN.
- EXIT LIGHT - DOUBLE FACED - ARROWS AS SHOWN.
- FLUORESCENT LIGHT FIXTURE.
- FLUORESCENT LIGHT FIXTURE (NIGHT LIGHT).
- FLUORESCENT STRIP FIXTURE.
- RECESSED CEILING LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE.
- S SINGLE POLE SWITCH. +3'-10" AFF. TO CENTERLINE OF DEVICE BOX.
- S^{MS} SINGLE POLE MOTION SENSOR SWITCH AT 3'-10" AFF. TO CENTERLINE OF DEVICE.
- ⊕ DUPLEX RECEPTACLE. +1'-6" AFF. OR AS NOTED.
- ⊕ DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
- ⊕^W WEATHER RESISTANT, DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION AND WEATHERPROOF PLATE. +1'-6" AFF. OR AS NOTED.
- ⊕^G DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1'-6" AFF. OR AS NOTED.
- ⊕ DOUBLE DUPLEX RECEPTACLE. +1'-6" AFF. OR AS NOTED.
- ⊕ DOUBLE DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
- ▲ VOICE OUTLET WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF. OR AS NOTED.
- ▲^W VOICE OUTLET INSTALLED ABOVE COUNTERTOP WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. (W DENOTES WALL MOUNTED +48" AFF.).
- ◁ DATA OUTLET WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF. OR AS NOTED.
- ▲ DATA OUTLET INSTALLED ABOVE COUNTERTOP WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING.
- ▲ DATA/VOICE OUTLET WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF. OR AS NOTED.
- ▲ DATA/VOICE OUTLET INSTALLED ABOVE COUNTERTOP WITH 1" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING.
- ⊕-J WALL MOUNTED JUNCTION BOX.
- ⊕ JUNCTION BOX.
- ⊕-T THERMOSTAT OUTLET BOX WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. THERMOSTAT AND WIRING BY OTHERS. +3'-10" AFF. OR AS NOTED.
- ⊕- INDICATES WIRING DEVICE ABOVE OR BELOW. RE: DRAWINGS.
- F-1 FURNACE AND NUMBER.
- DWH-1 DOMESTIC WATER HEATER AND NUMBER.
- CU-1 CONDENSING UNIT AND NUMBER.
- EF-1 EXHAUST FAN AND NUMBER.
- AFF ABOVE FINISH FLOOR.



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2006007202



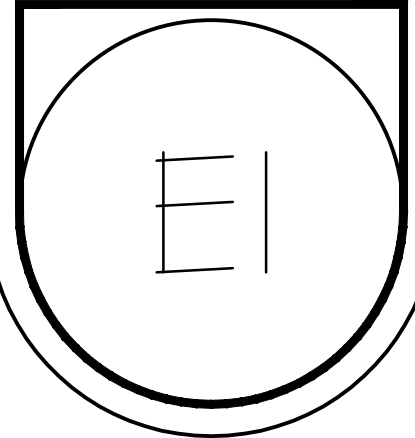
150 NW MURRAY RD.
LEE'S SUMMIT, MO

OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOM

L A T O N A A R C H I T E C T S
1600 GENESSEE, SUITE 410, KANSAS CITY, MO. 64102 816 471-0044

Job No.
Drawn by: BGR
Issue Date: 08/12/20

Revised:



PLUMBING SYMBOLS

- EXISTING TO REMAIN
- NEW PIPING
- CW COLD WATER
- HW HOT WATER
- V SANITARY VENT ABOVE GND./FLOOR ABOVE
- - - V - - - SANITARY VENT BELOW FLOOR
- W SANITARY WASTE ABOVE GND./FLOOR ABOVE
- - - W - - - SANITARY WASTE BELOW GROUND
- SHUT OFF VALVE
- PIPE DROP/PIPE RISE
- BOTTOM OUTLET TEE
- TOP OUTLET TEE
- FLOOR DRAIN
- FINISHED FLOOR CLEANOUT
- PLUMBING FIXTURE DESIGNATION
- CONNECT TO EXISTING

GENERAL NOTES (TYPICAL ALL SHEETS)

- A. CONTRACTORS AND SUBCONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CAN NOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. COORDINATE WITH THE WORK OF OTHER SECTIONS. EQUIPMENT FURNISHED BY OTHERS. REQUIREMENT OF OWNER AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS AREA DIAGRAMMATIC REPRESENTATION OF THE PLUMBING SYSTEM. CONTRACTOR SHALL CONFORM TO THE DRAWINGS INTENT BUT CHANGES IN ROUTING AND LOCATION ARE EXPECTED DUE TO ONSITE JOB CONDITIONS. ADDITIONAL COMPENSATION WILL NOT BE AWARDED FOR SUCH CHANGES AND SHOULD BE ACCOUNTED FOR IN CONTRACTOR'S BID.
- D. ALL NEW FAUCETS TO BE 0.5 G.P.M. MAXIMUM.
- E. ALL NEW TOILETS TO BE ULTRA LOW FLUSH TYPE. 1.6 GALLONS PER FLUSH.
- F. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, BOCA, UBC, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- G. CUTTING AND PATCHING OF FLOORS, WALLS, CEILING, ETC., REQUIRED IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECT'S REQUIREMENTS.
- H. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID ROUTING CONFLICTS.
- I. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH THE TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, UBC STANDARD 8-1.
- J. NO PVC PIPING WITHIN PLENUM IS ALLOWED.
- K. CONTRACTOR SHALL CAULK/SEAL EVERY WALL PENETRATION AS SPECIFIED BY ARCHITECT OR ENGINEER. WHERE WALL IS SMOKE/FIRE RATED CONTRACTOR SHALL PROVIDE REQUIRED U.L. FIRE STOP. IF THE ARCHITECTURAL AND MECHANICAL SPECIFICATIONS REGARDING CAULKING/SEALING ARE NOT CONSISTENT CONTRACTOR SHALL USE THE MOST STRINGENT.
- L. **CHASES.** UNLESS OTHERWISE INDICATED, THE GENERAL CONTRACTOR WILL PROVIDE CHASES AND OPENINGS IN BUILDING CONSTRUCTION REQUIRED FOR INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN. CONTRACTOR SHALL FURNISH THE GENERAL CONTRACTOR WITH INFORMATION WHERE CHASES AND OPENING ARE REQUIRED. KEEP INFORMED AS TO THE WORK OF OTHER TRADES ENGAGED IN THE CONSTRUCTION OF THE PROJECT AND EXECUTE WORK IN A MANNER AS TO NOT INTERFERE WITH OR DELAY THE WORK OF OTHER TRADES.
- M. **DIMENSIONS.** FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD OF HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.
- N. **TRIM.** PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATION OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.
- O. **DRAWING PRIORITY.** THE ARCHITECTURAL AND STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THE MECHANICAL AND ELECTRICAL DRAWINGS IN THE REPRESENTATION OF THE GENERAL CONSTRUCTION WORK.
- P. **PROTECTION.** STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. COVER WITH WATERPROOF, TEAR RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER OR PHYSICAL DAMAGE. EQUIPMENT AND MATERIAL THAT HAS DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED AND THE CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND. PLUG OR CAP OPEN ENDS OF DUCTWORK AND PIPING SYSTEMS WHILE STORED AND INSTALLED DURING CONSTRUCTION WHEN NOT IN USE TO PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS. KEEP THE MANUFACTURER-PROVIDED PROTECTIVE COVERINGS ON FLOOR DRAINS, FLOOR SINKS AND TRENCH DRAINS DURING CONSTRUCTION. REMOVE COVERINGS AT THE TERMINATION OF THE WORK AND POLISH EXPOSED SURFACES.
- Q. **LICENSES/CODES.** THE CONTRACTOR SHALL BE LICENSED TO PERFORM MECHANICAL WORK IN THE MUNICIPALITY IN WHICH THE PROJECT IS LOCATED. ALL PRODUCTS AND TYPES OF CONSTRUCTION SHALL MEET OR EXCEED THE LATEST EDITION OF APPLICABLE STANDARDS OF MANUFACTURER, TESTING, PERFORMANCE AND INSTALLATION. WORK PERFORMED UNDER THIS CONTRACT SHALL, AT A MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES HAVE JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL A.H.J INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEEDS THE REQUIREMENTS OF THE REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. WHERE REQUIRED, OBTAIN, PAY FOR AND FURNISH CERTIFICATES OF INSPECTION TO THE OWNER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY VIOLATION OF THE LAW. MAINTAIN NECESSARY SIGNAL LIGHTS AND GUARDS FOR THE SAFETY OF THE PUBLIC. THE WORK SHALL COMPLY WITH THE EDITION OF THE APPLICABLE STANDARDS, REGULATIONS AND CODES CURRENTLY IN FORCE OF ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. WHERE QUANTITIES, SIZES, OR OTHER REQUIREMENTS INDICATED ON THE DRAWINGS OR HEREIN SPECIFIED ARE IN EXCESS OF THE STANDARD OR CODE REQUIREMENTS, THE SPECIFICATIONS AND/OR DRAWINGS SHALL GOVERN. IN THE ABSENCE OF OTHER APPLICABLE LOCAL CODES, ACCEPTABLE TO THE ARCHITECT/ENGINEER, AND UNIFORM PLUMBING AND MECHANICAL CODES SHALL APPLY TO THIS WORK.

FLOOR PLAN-PLUMBING NEW WORK

SCALE: 1/4"=1'-0"

FLOOR PLAN NOTES

- EXTEND NEW 3/4"CW PIPE INTO KITCHEN AND CONNECT TO EXISTING COLD WATER PIPING ABOVE CEILING WITH 1/2 TURN SHUT-OFF VALVE AS NECESSARY. FIELD VERIFY EXACT LOCATION PRIOR TO BEGINNING ANY WORK AND MODIFY PIPING AS REQUIRED.
- EXTEND NEW 1/2"HW PIPE INTO KITCHEN AND CONNECT TO EXISTING HOT WATER PIPING ABOVE CEILING WITH 1/2 TURN SHUT-OFF VALVE AS NECESSARY. FIELD VERIFY EXACT LOCATION PRIOR TO BEGINNING ANY WORK AND MODIFY PIPING AS REQUIRED.
- EXTEND NEW 4"W PIPE INTO KITCHEN AND CONNECT TO EXISTING SANITARY SEWER PIPE BELOW FLOOR AS NECESSARY. VIDEOSCOPE EXISTING SEWER PIPING TO VERIFY EXACT LOCATION AND ELEVATION PRIOR TO THE ROUTING OF ANY PIPING AND MODIFY AS NECESSARY TO MATCH CONDITIONS. SAWCUT CONCRETE SLAB AND TRENCH AS REQUIRED. PATCH AND REPAIR FLOOR AS INSTRUCTED BY ARCHITECT.
- PROVIDE WITH THERMOSTATIC MIXING VALVE AND SET FOR A MAXIMUM OUTLET OF 105°F. VALVE SHALL BE SIMILAR TO HONEYWELL AM SERIES 100LF UNIVERSAL UNDERSINK THERMOSTATIC MIXING VALVE.
- INSTALL PIPE BELOW EXISTING FLOOR SLAB. SAWCUT SLAB AND TRENCH AS REQUIRED. FILL AND PATCH FLOOR PER ARCHITECT'S REQUIREMENTS.
- EXTEND NEW 2"V PIPE INTO KITCHEN AND CONNECT TO EXISTING VENT PIPING ABOVE CEILING AS NECESSARY. FIELD VERIFY EXACT LOCATION PRIOR TO BEGINNING ANY WORK AND MODIFY PIPING AS REQUIRED. COORDINATE WITH ALL EXISTING CONDITIONS.
- INSTALL WASTE PIPE FOR RESTROOMS IN NEW WALL.
- DROP WASTE PIPE DOWN BELOW FLOOR WITHIN WALL.

BRANCH FIXTURE SCHEDULE

PLUMBING FIXTURE OR ITEMS	DRAIN-WASTE-SOIL-VENT					COLD WATER		HOT WATER		FIXTURE TYPE SEE SPECIFICATIONS	NOTES
	T R A P	A R M	V E R T	H O R I Z	V E N T	S U P P L Y	B R A N C H	S U P P L Y	B R A N C H		
LAVATORY	1-1/2	1-1/2	1-1/2	2	1-1/2	3/8	1/2	3/8	1/2	LV-1	1
WATER CLOSET	INT	3	4	4	2	3/8	1/2	-	-	WC-1	1
SINK	1-1/2	1-1/2	2	2	1-1/2	1/2	1/2	1/2	1/2	S-1	1

NOTES: 1. FIXTURE LV-1 AND WC-1 FOR HANDICAP USE.

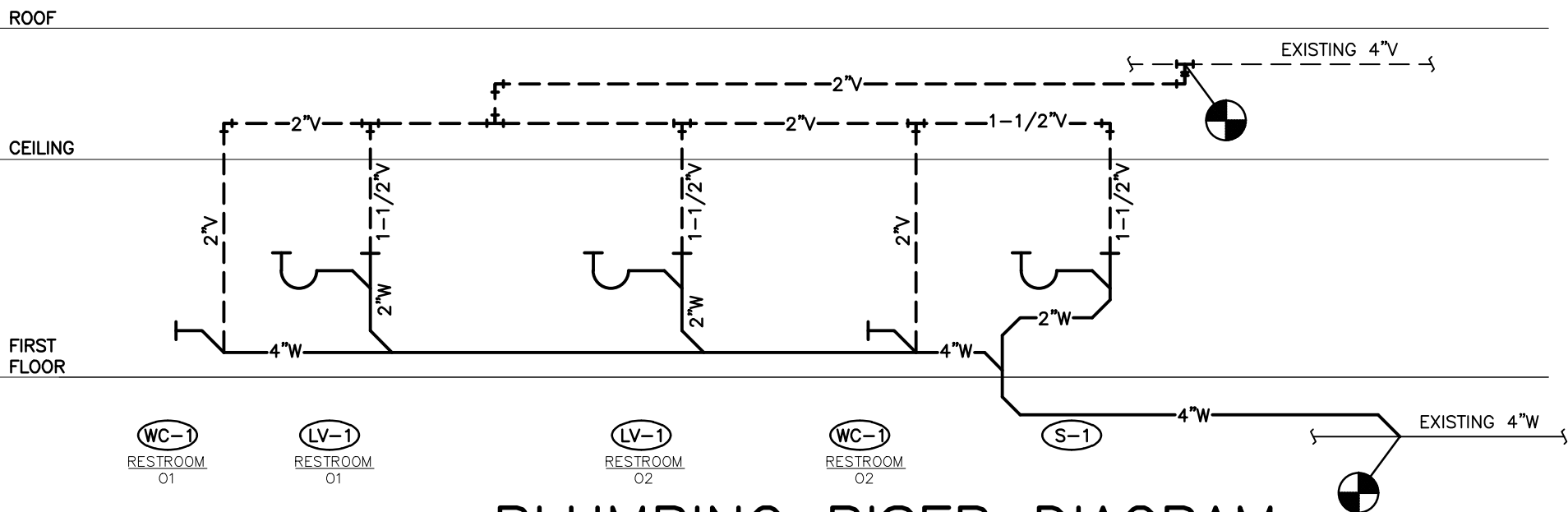
PLUMBING PIPE MATERIAL SCHEDULE

PIPING SYSTEM	ABBREVIATION	PIPING MATERIAL
SANITARY WASTE AND VENT (BELOW GRADE)	W OR V	PVC DWV
SANITARY WASTE AND VENT (ABOVE GRADE IN PLENUM)	W OR V	HUBLESS CAST IRON
POTABLE WATER (ABOVE GRADE)	CW	TYPE L HARD DRAWN COPPER
POTABLE WATER-2" & SMALLER (BELOW GRADE)	CW	TYPE K SOFT ANNEALED COPPER
REFER TO SPECIFICATIONS FOR FITTINGS, INSTALLATION REQUIREMENTS AND FURTHER INFORMATION.		

PLUMBING FIXTURE SCHEDULE

MARK	MANUF.	MODEL NO.	DESCRIPTION
WC-1 ADA	AMERICAN STANDARD ADA	GLENWALL 2882	ADA COMPLIANT WATER CLOSET. WHITE VITREOUS CHINA. TWO PIECE, WALL HUNG, ELONGATED BOWL. 17" HIGH, TOILET, COMPLETE WITH POLISHED CHROME FLUSH ACTUATOR MOUNTED ON WIDE SIDE OF STALL. SEAT: WHITE, SOLID PLASTIC OPEN FRONT FOR ELONGATED BOWL, INTEGRAL BUMPERS, EXTERNAL CHECK HINGES WITH STAINLESS STEEL POSTS, LOOSE KEY STOPS AND FLEXIBLE RISERS.
LV-1 ADA	AMERICAN STANDARD ADA CHICAGO FAUCET ADA	LUCERNE 0356.012 802-317XABCP	LAVATORY: VITREOUS CHINA, 20-1/2" X 18-1/4" RECTANGULAR WALL HUNG LAVATORY, BACK OVERFLOW, CONCEALED HANGER, DRILLED FOR CONCEALED ARM CARRIER AND SHROUD/KNEE CONTACT GUARD. FAUCET: CHROME PLATED BRASS, 4" ON CENTER BODY WITH DECK MOUNTED FITTING WITH GRID DRAIN, 4" SPOUT, 390 INDEXED HANDLES, QUATURN OPERATING CERAMIC CARTRIDGE AND VANDAL PROOF SOFTLO AERATOR. PROVIDE WITH HONEYWELL MIXING VALVE AM-1 1070 WITH ASSE 1070 CERTIFICATION. SET OUTLET FOR 105°F. PROVIDE OFF SET GRID STRAINER DRAIN AND TAILPIECE WITH 1 1/4"x1 1/2" 17 GAUGE CHROME-PLATED SEMI-CAST BRASS P-TRAP WITH CLEANOUT AND WASTE ARM TO WALL WITH ESCUTCHEON, RISERS WITH LOOSE KEY ANGLE STOPS. PROVIDE INSULATION AND TRUBRO JACKET ON ALL EXPOSED PIPING BELOW LAVATORY.
S-1	ELKAY CHICAGO FAUCET	D125123 200--XKABCP	SINK (SINGLE): 16x17 SINGLE COMPARTMENT COMPARTMENT, 304, 18 GAUGE STAINLESS STEEL WITH CENTER REAR DRAIN LOCATION WITH LK-35 CRUMB CUP STRAINER. CHROME PLATED BRASS, 8" ON CENTER BODY WITH 9-1/2" L SWIVEL SPOUT, SIDE SPRAY, QUATURN OPERATING CERAMIC CARTRIDGE. PROVIDE TAILPIECE WITH 1 1/2" 17 GAUGE CHROME-PLATED SEMI-CAST BRASS P-TRAP WITH CLEANOUT AND WASTE ARM TO WALL WITH ESCUTCHEON, RISERS WITH LOOSE KEY ANGLE STOPS.

NOTES: 1. REFER TO ARCHITECTURAL DRAWINGS FOR INSTALLATION HEIGHT OF ALL PLUMBING FIXTURES.



PLUMBING RISER DIAGRAM
NO SCALE



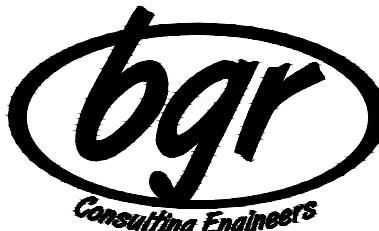
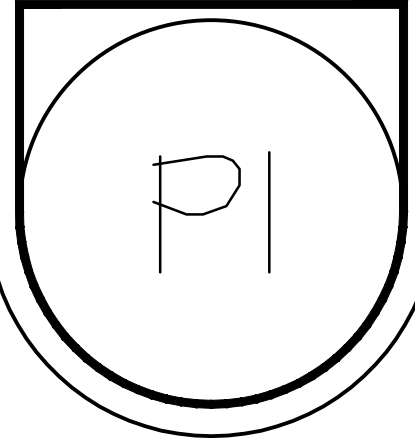
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OUR LADY OF THE PRESENTATION
TEACHER LOUNGE RESTROOM

Job No.
Drawn by: BGR
Issue Date: 08/12/20

Revised:



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