

INDEX OF DRAWINGS

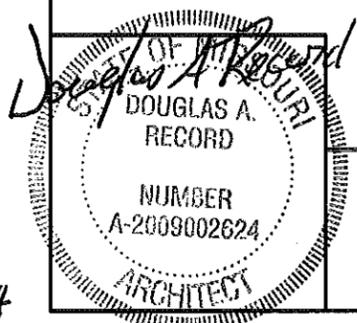
- 1 -12 COVER SHEET
- 2 -12 PARTIAL SITE PLAN
- 3 -12 DEMOLITION PLAN
- 4 -12 FLOOR PLAN
- 5 -12 SCHEDULES
- 6 -12 EXISTING ELEVATIONS
- 7 -12 DETAILS
- 8 -12 RESTROOM PLUMBING PLAN
- 9 -12 LIGHTING PLAN
- 10-12 POWER DEMOLITION
- 11-12 POWER PLAN
- 12-12 ELECTRICAL PANEL & NOTES

MISSOURI DEPARTMENT OF TRANSPORTATION

Alton Maintenance Building Restroom Renovation
Southeast District
One Mile East of Route 19 on Route 160
Oregon County

CODE REQUIREMENTS

- BUILDING CODE - CURRENT IBC
- PLUMBING CODE - CURRENT IBC
- MECHANICAL CODE - CURRENT IBC
- ELECTRICAL CODE - CURRENT N.E.C.



COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet
1 of 12

GRADING NOTES

CONTRACTOR WILL BE RESPONSIBLE FOR:

- REMOVAL OF THE INTERIOR FLOOR SLAB WHERE SHOWN.
- ALL BACK FILL MATERIAL INSIDE AND OUTSIDE OF BUILDING.
- ALL FILL, BACK FILL & SUB GRADE MATERIAL AS REQUIRED.
- FINISHED GRADE TO DRAIN AWAY FROM BUILDINGS.
- PROVIDE TOP SOIL, FERTILIZE, SEED AND STRAW AT ALL THE LAWN AREAS DISTURBED DURING CONSTRUCTION.

LEGEND (EXISTING)

WATER ----- W -----
 SANITARY SEWER ----- SAN -----
 1-PHASE ELECTRIC ----- E -----

FREEZE PROOF HYDRANT - FPH POWER POLE - PP

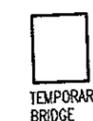
LEGEND (NEW)

1" WATER ----- W -----
 SANITARY ----- SAN -----

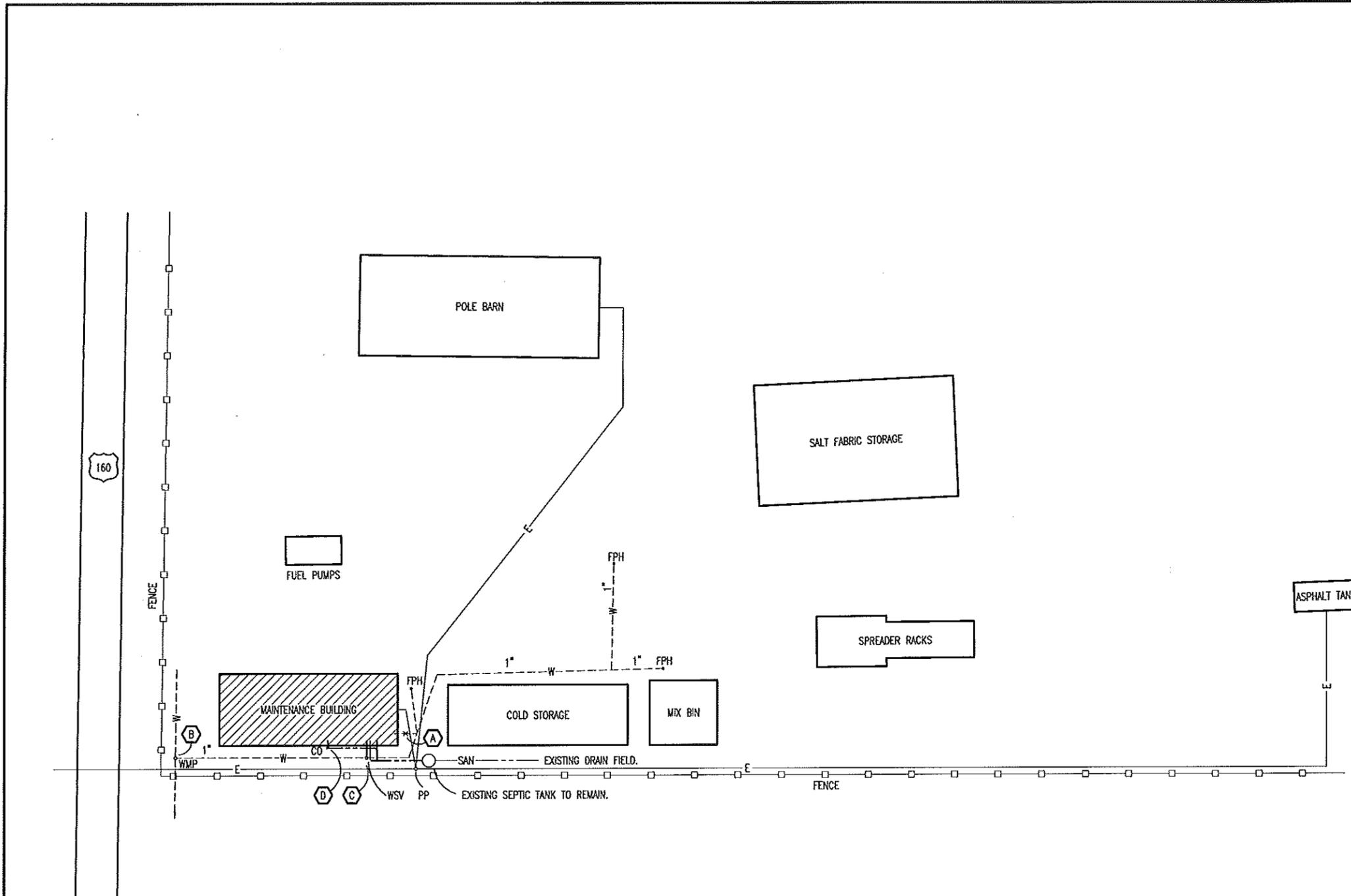
WATER SHUT-OFF VALVE - WSV CLEAN OUT - CO
 WATER METER PIT - WMP

SITE NOTES

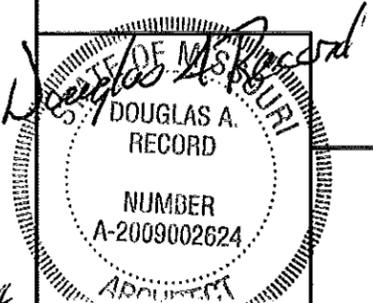
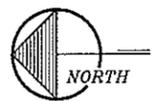
- (A) CONTRACTOR TO ABANDON/REMOVE EXISTING 1" PVC WATER SUPPLY INTO BUILDING SHOWN "X" OUT.
- (B) CONTRACTOR TO REMOVE AS REQUIRED EXISTING WATER METER PIT INCLUDING METER AND SHUT-OFF VALVE. INSTALL NEW CONCRETE WATER PIT WITH CLASS 35B, HEAVY DUTY LID. THE NEW PIT SHALL BE SIZED TO ACCOMMODATE THE REUSE OF SAME 1" WATER METER, SHUT-OFF VALVE & ADDING NEW 1" WATTS, SERIES LF007 DOUBLE CHECK VALVE AS REQUIRED FOR AN OPERABLE SERVICE.
- (C) CONTRACTOR TO PROVIDE AND INSTALL TAP AND SHUT-OFF VALVE AS REQUIRED FOR NEW 1", SCHEDULE 80 WATER SERVICE INTO THE EXISTING MAINTENANCE BUILDING. SERVICE CHANGES TO COPPER ONCE INSIDE BUILDING & CONNECT TO EXISTING HOT WATER HEATER. PROVIDE CONCRETE PIT WITH CAST IRON LID, SIZED AS REQUIRED. THE EXISTING WATER SERVICE TO FREEZE-PROOF HYDRANTS TO REMAIN.
- (D) CONTRACTOR TO REMOVE EXISTING SANITARY SEWER ON EXTERIOR (NOT SHOWN) OF BUILDING FROM EXISTING SEPTIC TANK TO THE EXISTING EXTERIOR SANITARY LINE FROM EXISTING RESTROOM THAT REMAINS. CONNECT NEW 4", SCHEDULE 40 PVC, SANITARY SEWER TO THE NEW KITCHEN SANITARY LINE, EXISTING SANITARY AND NEW SANITARY FROM NEW RESTROOM TO EXISTING SEPTIC TANK FOR AN OPERABLE SERVICE. SEE THE PLUMBING PLAN.



TEMPORARY BRIDGE



PARTIAL
A
2
 SITE PLAN
 SCALE: 1" = 60'-0"



PARTIAL SITE PLAN

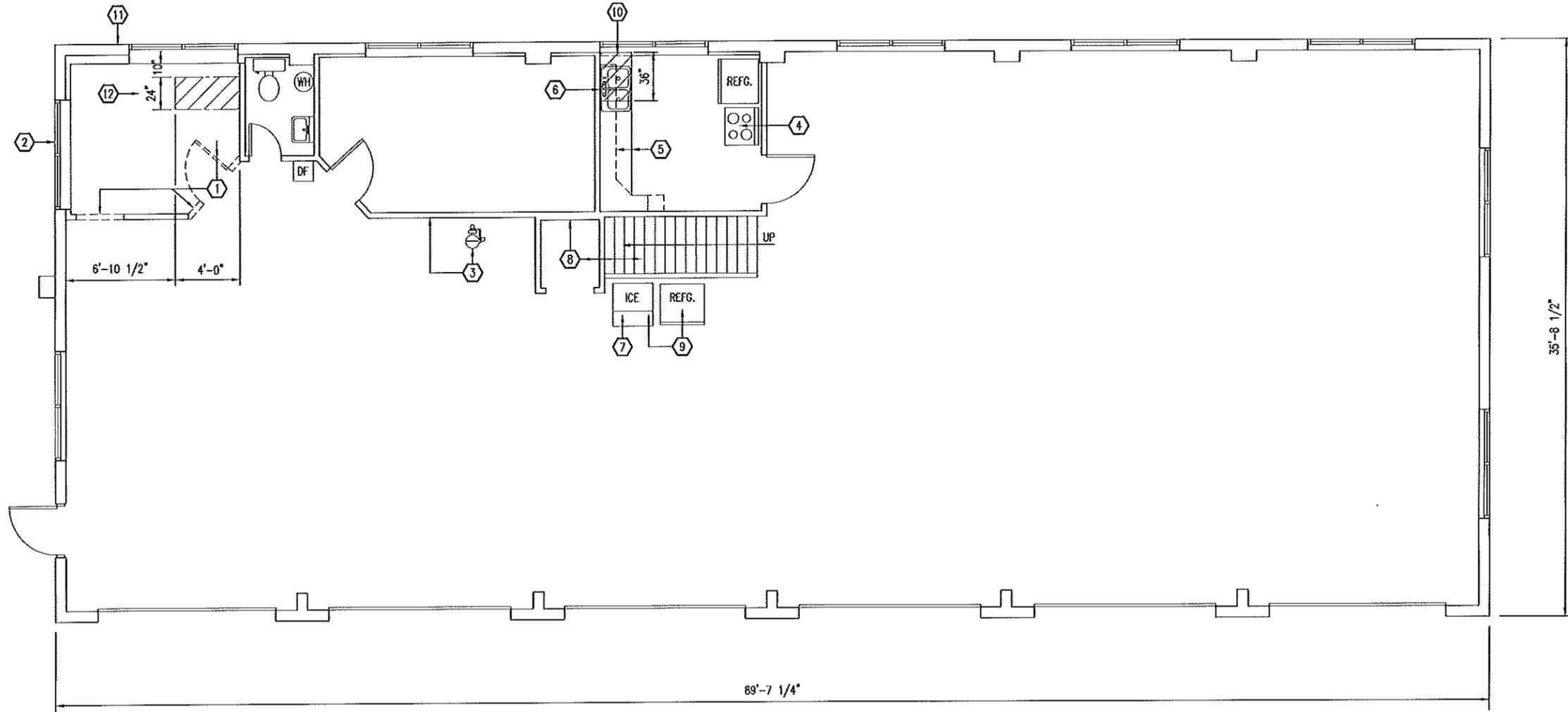
MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
 One Mile East of Route 19 on Route 160
 Southeast District, Oregon County

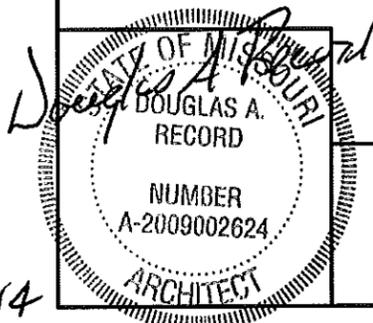
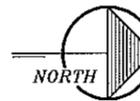
DRAWN BY: LARRY CARVER
 DATE: 4-11-14
 Sheet
 2 of 12

DEMOLITION NOTES

- ① REMOVE EXISTING WOOD PANELING AND PARTITION WALLS (SHOWN DASHED) TO BOTTOM OF THE EXISTING MEZZANINE. REMOVE PASSAGE DOOR TO BOTTOM OF THE EXISTING MEZZANINE FLOOR. PROTECT EXISTING FINISHED CEILING. PROVIDE SHORING OF THE EXISTING MEZZANINE AS REQUIRED DURING CONSTRUCTION. DISCARD ALL DEBRIS OFF-SITE TYPICAL. REMOVE WALL HEATER IN SOUTH OFFICE & RETURN TO OWNER. PATCH FINISHED CEILINGS TO MATCH EXISTING WHERE REQUIRED.
- ② ABANDON/REMOVE ONLY THE EXISTING 1" PVC WATER LINE THAT ENTERS BUILDING BELOW GRADE AT THE SOUTHWEST CORNER LEADING TO EXISTING WATER HEATER. SEE PARTIAL SITE PLAN AND PLUMBING PLAN.
- ③ EXISTING EYE WASH/SHOWER TO REMAIN. REMOVE EXISTING WATER SUPPLY TO IT BACK TO WATER ENTRANCE. NEW MIXING VALVE TO BE SURFACE MOUNTED AS REQUIRED TO MAINTENANCE SIDE OF EXISTING WALL.
- ④ PROVIDE A NEW 240V RECEPTACLE & CIRCUIT BREAKER WITH SURFACE MOUNTED CONDUIT & CONDUCTORS FOR THE EXISTING STOVE FOR AN OPERABLE SERVICE.
- ⑤ REMOVE EXISTING KITCHEN CABINETS RETURN TO OWNER. PROVIDE NEW KITCHEN CABINETS, COUNTERTOP AND BACKSPASH. REUSE THE EXISTING KITCHEN SINK AND PLUMBING AS REQUIRED FOR AN OPERABLE SERVICE. REUSE THE EXISTING MICROWAVE IN THE UPPER CABINETRY. PATCH/MATCH EXISTING WOOD PANELING AS/IF REQUIRED.
- ⑥ REMOVE/SAWCUT EXISTING 6" CONCRETE SLAB SHOWN HATCHED. DISCARD ALL DEBRIS OFF-SITE. REMOVE AREA 36" x 24" WIDE. SEE DETAIL C-7.
- ⑦ CONNECT EXISTING SANITARY DRAIN FROM KITCHEN SINK AND ICE-MAKER AS REQUIRED FOR AN OPERABLE SERVICE. MAINTAIN EXISTING WATER LINE TO THE EXISTING ICE-MAKER FOR AN OPERABLE SERVICE.
- ⑧ EXISTING STAIRS AND ALL EXISTING WALLS NOT SHOWN DASHED TO REMAIN.
- ⑨ EXISTING ICE-MAKER AND REFRIGERATOR TO REMAIN.
- ⑩ REMOVE WALL PORTION SHOWN DASHED BELOW WINDOW SILL (24"± WIDE) FOR THE FLOOR DEMOLITION AND NEW SANITARY SEWER. REINSTALL THE WALL PORTION TO WINDOW SILL WITH FINISHES TO MATCH.
- ⑪ PROVIDE AND INSTALL AS REQUIRED BROAN #512M, 70 CFM THRU-WALL MOUNT BATHROOM VENTILATOR. CONNECT NEW CONDUCTORS TO REUSED WALL SWITCH THAT WAS FOR EXISTING SURFACE LIGHT.
- ⑫ REMOVE/SAWCUT EXISTING 6" CONCRETE SLAB SHOWN HATCHED. DISCARD ALL DEBRIS OFF-SITE. PATCH WITH 6" OF TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS WITH 4" SLUMP. SEE DETAIL C-7. (TYP.)



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



DEMOLITION PLAN

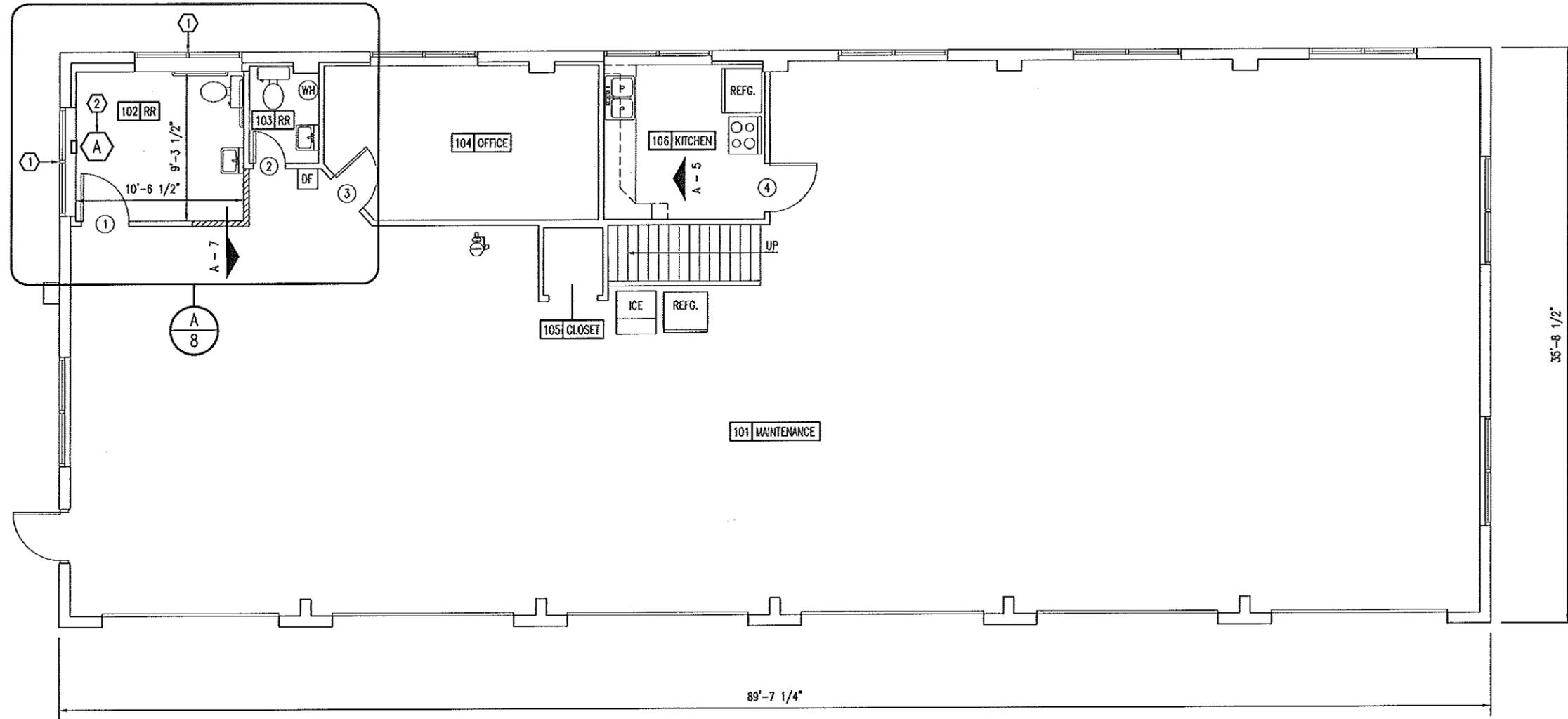
MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
 One Mile East of Route 19 on Route 160
 Southeast District, Oregon County

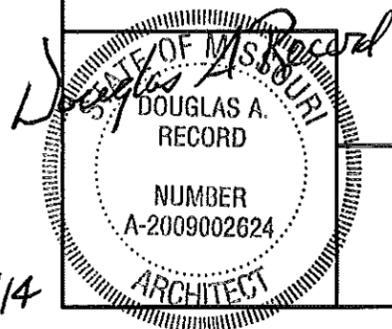
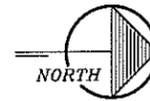
DRAWN BY: LARRY CARVER
 DATE: 4-11-14
 Sheet
 3 of 12

GENERAL CONTRACTOR NOTES

- ① SUPPLY AND INSTALL NEW CLEAR ANODIZED ALUMINUM MINI-BLINDS FOR EXISTING WINDOWS. (2) PER WINDOW FOR FULL WIDTH COVERAGE.
- ② SEE HVAC SCHEDULE SHEET 5.



A
4 **FLOOR PLAN**
SCALE: 1/8" = 1'-0"



FLOOR PLAN

**MISSOURI DEPARTMENT
OF TRANSPORTATION**
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet
4 of 12

DOOR SCHEDULE							
NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HWWR. GRP.
1	3'-0" x 6'-8" x 1-3/4"	LH	A	I	B-7	5-1/8"	1
2	EXISTING TO REMAIN.	-	-	-	-	-	-
3	EXISTING TO REMAIN.	-	-	-	-	-	-
4	EXISTING TO REMAIN.	-	-	-	-	-	-

INTERIOR STEEL H.M. PAINTED
INCLUDE REINFORCING FOR
CLOSURE. WELDED CONSTRUCTION
& TOP FILLER CHANNEL.

16 GA. WELDED
H.M. FRAME.
PAINTED.

PLUMBING FIXTURE SCHEDULE						
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
WC	WATER CLOSET	1/2"		3"	2"	EQUAL TO AMERICAN STANDARD #2377.100 FLOOR MOUNT. PRESSURE ASSISTED, ELONGATED WATER-SAVER "CADET" WATER CLOSET. 16-1/2" HIGH 3109.016 BOWL, 4098.100 TANK. INCLUDE OPEN FRONT SEAT WITH LID. (WHITE)
LV	LAVATORY	1/2"	1/2"	2"	2"	EQUAL TO AMERICAN STANDARD #4867.024, 20" x 18" ENAMELED, CAST IRON "REGALYN" WALL MOUNT LAVATORY WITH 4" CENTERSET SYMMONS S-90-2-G-FR-W SINGLE LEVER LAVATORY FAUCET. INCLUDE AN ADA APPROVED INSULATION KIT.
EW	EMERGENCY EYE WASH	1"	3/4"			EXISTING TO REMAIN. PROVIDE NEW HOT & COLD WATER SUPPLIES TO IT AND INSTALL A SURFACE MOUNTED S19-2100 THERMOSTATIC MIXING VALVE.
WH	WATER HEATER	1"	3/4"			EXISTING TO REMAIN. PROVIDE NEW 1" COLD SUPPLY TO WATER HEATER. FIELD VERIFY.

FINISH SCHEDULE												
NO.	ROOM	FLOOR	BASE			WALLS			CEILING			
			PAINT FLOOR TO MATCH EXISTING. *	EXISTING TO REMAIN.	1 x 4 WOOD ALONG THE RESTROOM WALL ON THE MAINTENANCE SIDE. PAINT TO MATCH.	ADD WOOD COLONIAL BASE. MATCH EXISTING.	EXISTING TO REMAIN.	PATCH OR ADD WOOD PANELING TO MATCH EXISTING.	1/2" AC PLYWOOD TO ALONG THE RESTROOM WALL WHERE SHOWN PAINTED.	EXISTING TO REMAIN.	PATCH GYPSUM BOARD & FINISH TO MATCH EXISTING. PAINT.	EXISTING TO REMAIN.
101	MAINTENANCE		•									
102	RESTROOM (RR)	•			•						•	
103	RESTROOM (RR)		•								•	
104	OFFICE		•								•	
105	CLOSET		•								•	
106	KITCHEN		•		•	•					•	

* PROVIDE/INSTALL WITH NON-SLIP GRIT.

HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
A	FAN-FORCED WALL HEATER	QMARK MODEL CHW1101DSAG OR EQUAL	1706	ELECTRIC	120	HEAVY DUTY, FULLY ENCLOSED, STEEL FINS TUBULAR ELEMENTS, FAN DELAY & THERMOSTAT.

GENERAL NOTES:

PROVIDE SOUND BATT INSULATION TYPICAL AT ALL NEW INTERIOR STUD WALLS. SEE SPECIFICATION SECTION 07210.

PROVIDE BLOCKING BEHIND ALL ITEMS INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL AND PLUMBING LINES, BOXES AND FIXTURES.

PLUMBING NOTES

- DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE.
- PLUMBING SHALL BE LOCATED AND PLACED UNDER THE SLAB PRIOR TO POURING OF CONCRETE. PIPING SHALL BE RUN IN SAND FILLED TRENCH UNDER THE BASE ROCK AND SLEEVED WITH PVC WHENEVER RUN THROUGH CONCRETE.
- PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
- PLUMBING VENTS ARE NOT SHOWN ON THE PLANS. ALL FIXTURES SHALL BE PROPERLY VENTED AS PER IBC PLUMBING CODE.
- ROOF VENTS SHALL BE COMBINED WHEREVER IN COMPLIANCE WITH THE NATIONAL PLUMBING CODE TO MINIMIZE ROOF PENETRATIONS.
- PROVIDE SHUT OFF VALVES AT EACH FIXTURE.
- PROVIDE SHOCK ABSORBERS AS REQUIRED AT EACH FAUCET.
- CONTRACTOR TO PROVIDE CAST IRON VENT PIPING IN PLENUM AS REQUIRED BY CODE. SECURE AS REQUIRED.

CABINET CONSTRUCTION

CABINETS - PLASTIC LAMINATE ON 3/4" HIGH DENSITY PARTICLE BOARD WITH WHITE MELAMINE INTERIORS, WIRE PULLS AND ADJUSTABLE SHELVES.

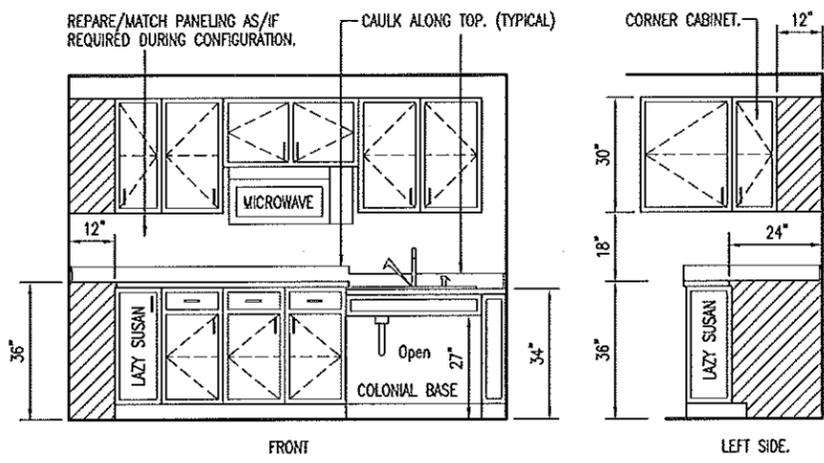
ALL DRAWERS TO HAVE METAL GLIDES, WIRE PULLS AND MELAMINE INTERIORS.

1-1/2" COUNTER TOP & 4" BACKSPLASH - PLASTIC LAMINATE ON 3/4" HIGH DENSITY PARTICLEBOARD.

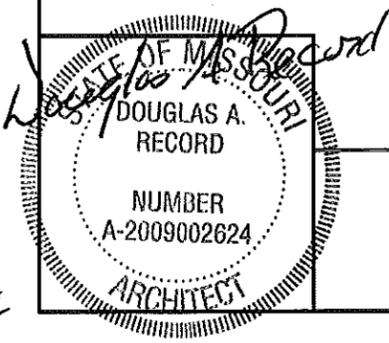
MOVE & MOUNT EXISTING MICROWAVE TO WHERE SHOWN.

CONCEAL RECEPTACLE FOR MICROWAVE. VERIFY WITH THE ELECTRICIAN DURING CONSTRUCTION.

PROVIDE 45° DIAGONAL CORNER TOP CABINET WITH LAZY SUSAN BELOW.



106 KITCHEN
A
5
CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



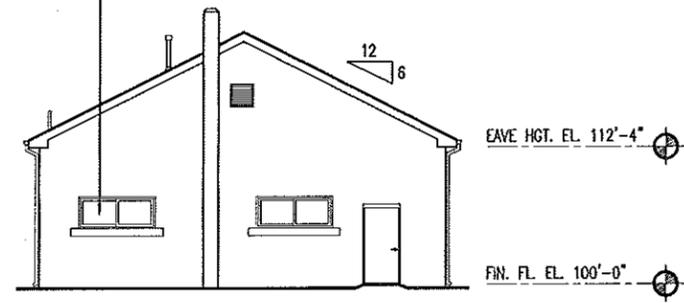
SCHEDULES

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

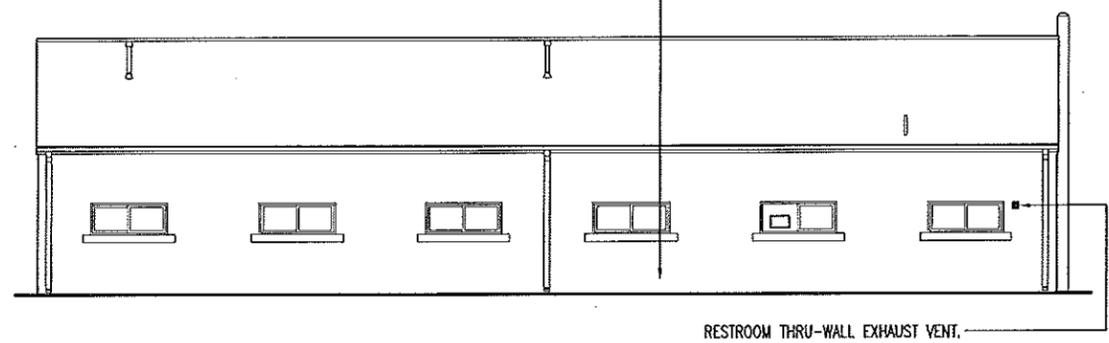
DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet 5 of 12

REMOVE EXISTING AIR CONDITIONER UNIT AND RETURN TO OWNER. INSTALL INSULATED GLASS TO MATCH EXISTING.

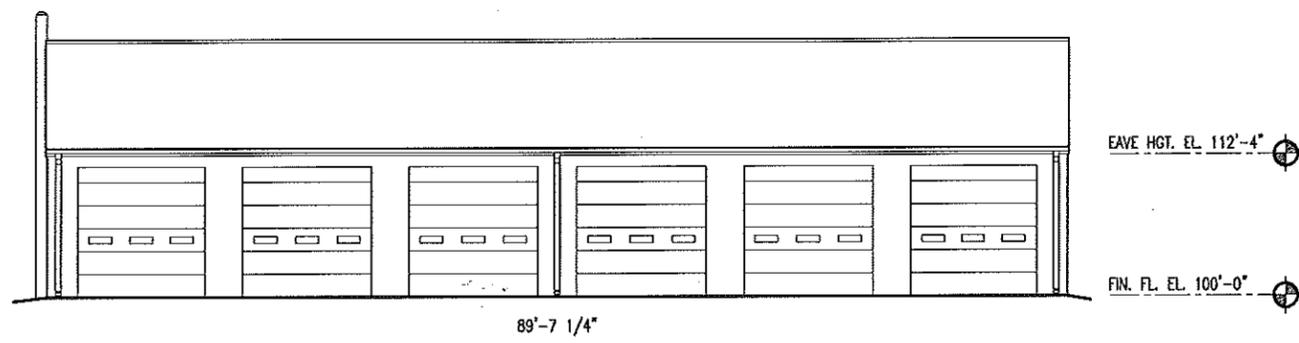


C
ALTON MAINTENANCE - OREGON COUNTY
LEFT ELEVATION
SCALE: 1/16" = 1'-0"

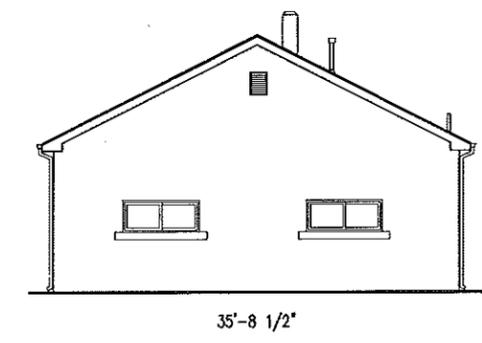
CONTRACTOR TO GROUT SOLID THE HOLE THROUGH CMU OF REMOVED SINK DRAIN.



D
ALTON MAINTENANCE - OREGON COUNTY
REAR ELEVATION
SCALE: 1/16" = 1'-0"



A
ALTON MAINTENANCE - OREGON COUNTY
FRONT ELEVATION
SCALE: 1/16" = 1'-0"



B
ALTON MAINTENANCE - OREGON COUNTY
RIGHT ELEVATION
SCALE: 1/16" = 1'-0"

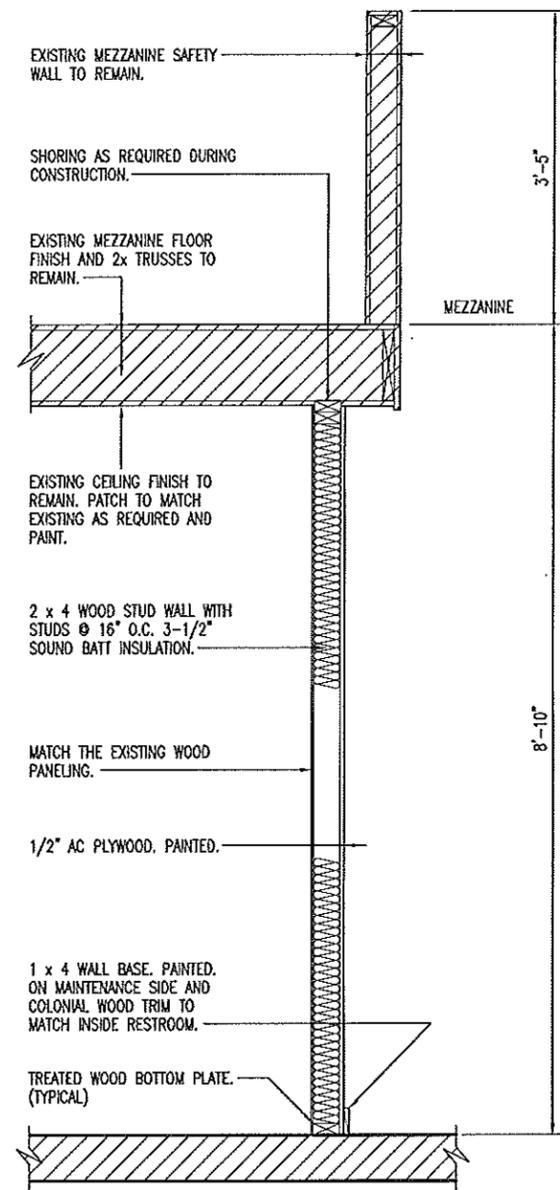
4/18/14
STATE OF MISSOURI
DOUGLAS A. RECORD
NUMBER A-2009002624
ARCHITECT

EXISTING ELEVATIONS

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

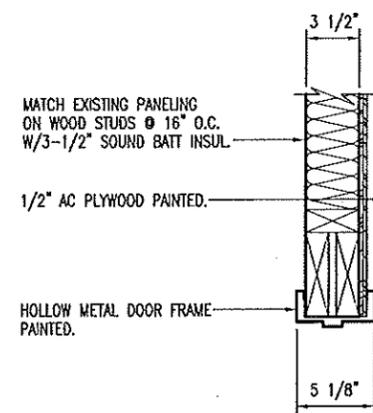
Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet 6 of 12

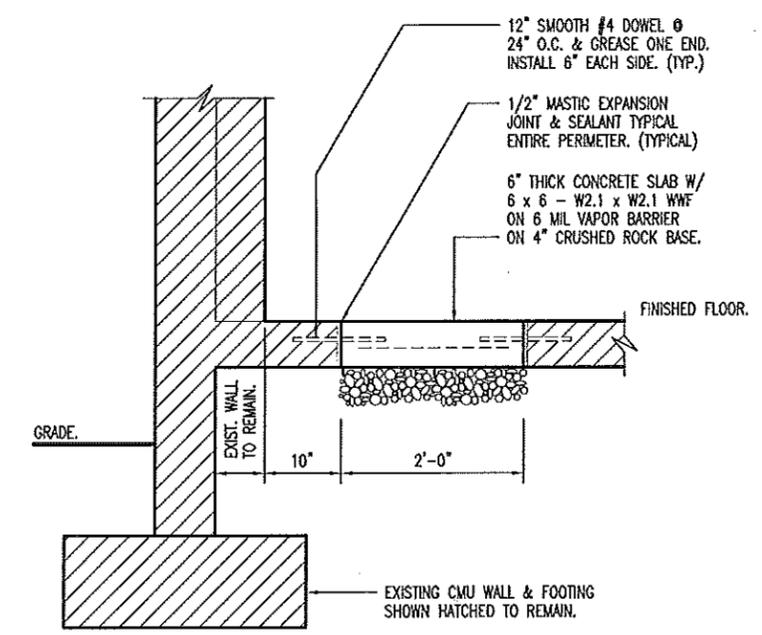


A WALL SECTION
7 SCALE: 1/2" = 1'-0"

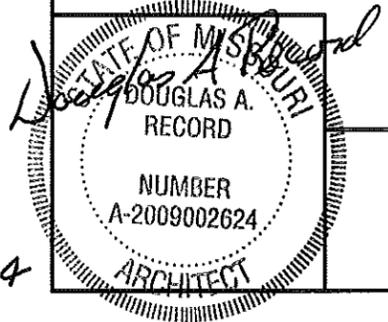
CONTRACTOR NOTE:
SHORING AS REQUIRED.



B JAMB SIMILAR DOOR HEAD
7 SCALE: 1" = 1'-0"



C AT WALL THICKENED SLAB
7 SCALE: 1/2" = 1'-0"

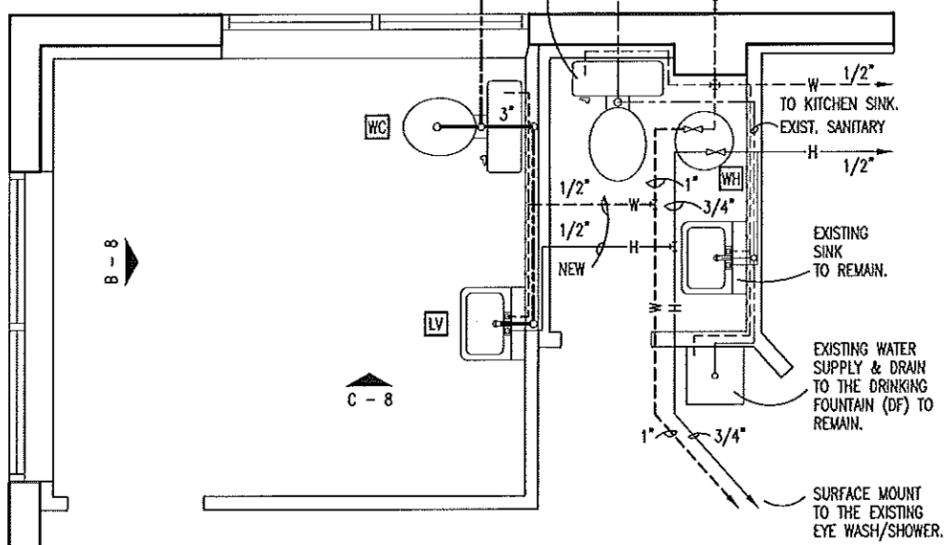
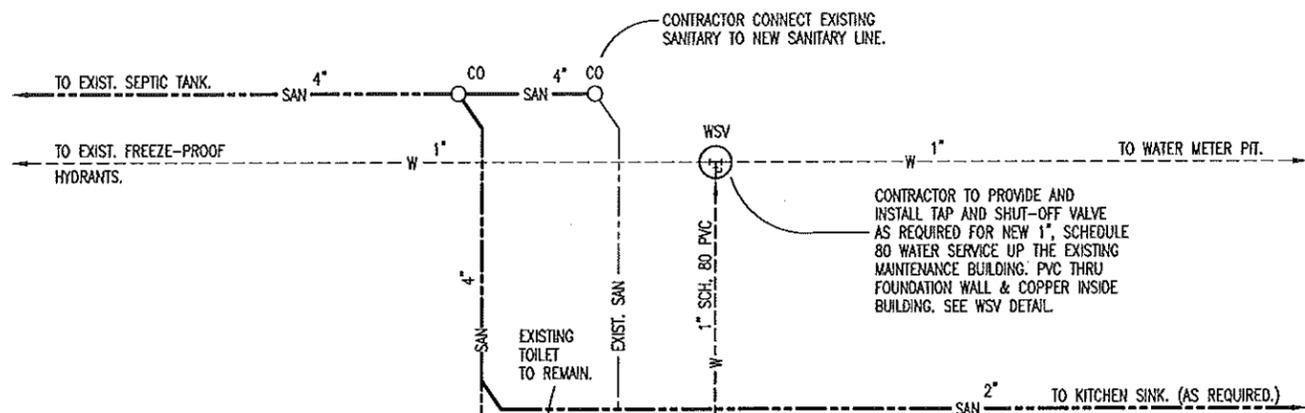


DETAILS

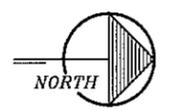
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet
7 of 12

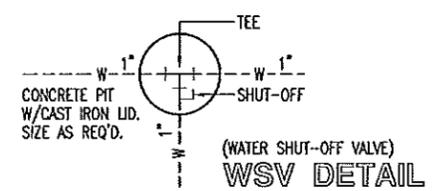


A
8
RESTROOM PLUMBING PLAN
SCALE: 1/4" = 1'-0"

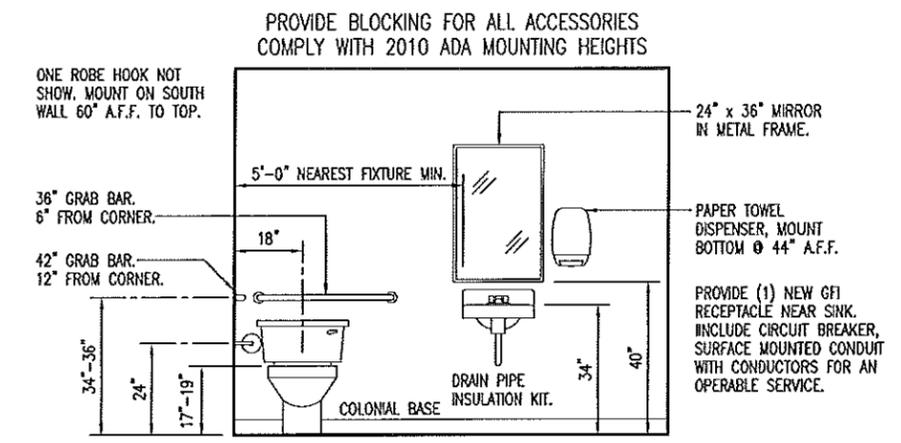


EXISTING HOT WATER HEATER TO REMAIN. WATER SUPPLIES AND SANITARY SEWER REMAIN FOR EXISTING WATER COOLER, SINK AND TOILET. PROVIDE NEW WATER SUPPLIES WHERE SHOWN FOR NEW PLUMBING FIXTURES.

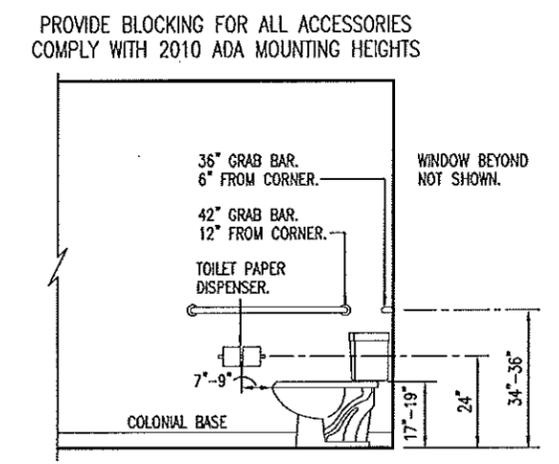
NOTE: EXISTING EYE/WASH SHOWER TO GET NEW HOT/COLD WATER SUPPLY. REMOVE THE EXISTING WATER SUPPLY TO IT. ALL FOR AN OPERABLE SERVICE.



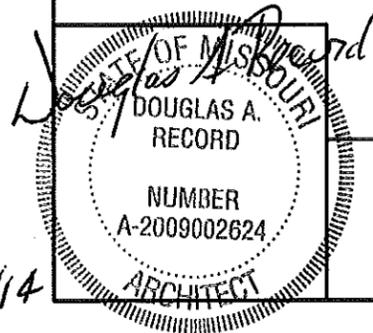
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
WC	WATER CLOSET	1/2"		3"	2"	EQUAL TO AMERICAN STANDARD #2377.100 FLOOR MOUNT. PRESSURE ASSISTED, ELONGATED WATER-SAVER "CADET" WATER CLOSET. 16-1/2" HIGH 3109.016 BOWL, 4098.100 TANK. INCLUDE OPEN FRONT SEAT WITH LID. (WHITE)
LV	LAVATORY	1/2"	1/2"	2"	2"	EQUAL TO AMERICAN STANDARD #4867.024, 20" x 18" ENAMELED, CAST IRON "REGALYN" WALL MOUNT LAVATORY WITH 4" CENTERSET SYMMONS S-90-2-G-FR-W SINGLE LEVER LAVATORY FAUCET. INCLUDE AN ADA APPROVED INSULATION KIT.
WH	WATER HEATER	1"	3/4"			EXISTING TO REMAIN. PROVIDE NEW 1" COLD SUPPLY TO WATER HEATER FOR AN OPERABLE SYSTEM FOR ALL HOT AND COLD APPLIANCE SUPPLIES. FIELD VERIFY.



B
8
PROVIDE & INSTALL ACCESSORIES (BOBRICK) AS SHOWN.
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"



C
8
PROVIDE & INSTALL ACCESSORIES (BOBRICK) AS SHOWN.
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"



4/18/14

RESTROOM PLUMBING PLAN

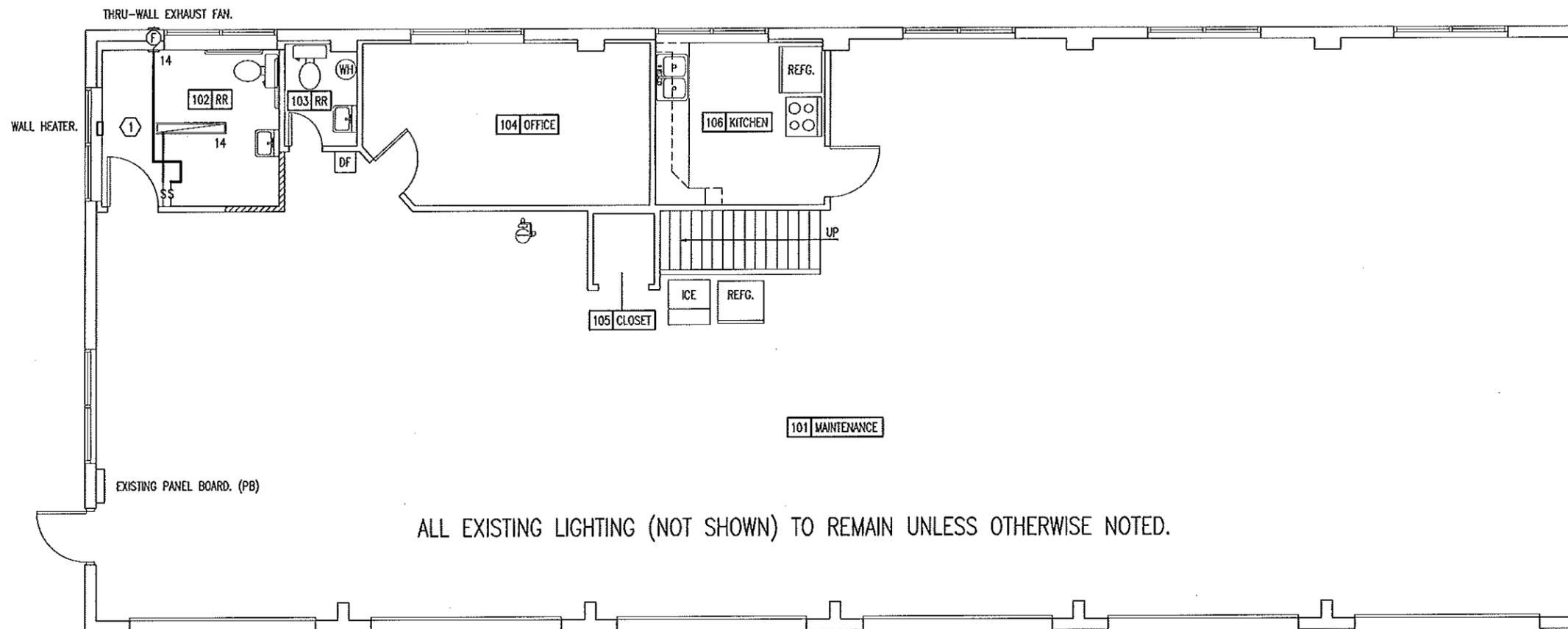
MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet 8 of 12

CONTRACTOR NOTES

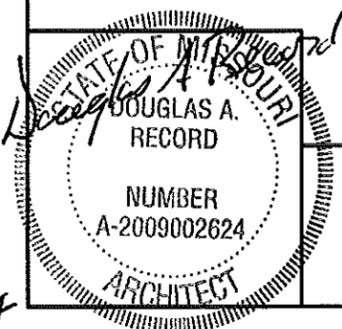
- ① RELOCATE EXISTING SURFACE CEILING MOUNTED LIGHT FIXTURE TO CENTER IN 102 RESTROOM (RR) WITH SURFACE MOUNTED CONDUIT AND CONDUCTORS AS REQUIRED. RELOCATE AND REUSE EXISTING WALL SWITCHES FOR FIXTURE AND THRU-WALL EXHAUST FAN FOR A FUNCTIONAL SYSTEM. REUSE EXISTING LIGHTING CIRCUIT.



ALL EXISTING LIGHTING (NOT SHOWN) TO REMAIN UNLESS OTHERWISE NOTED.

SEE ELECTRICAL SCHEDULE SHEET 12.

A
9 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



LIGHTING PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

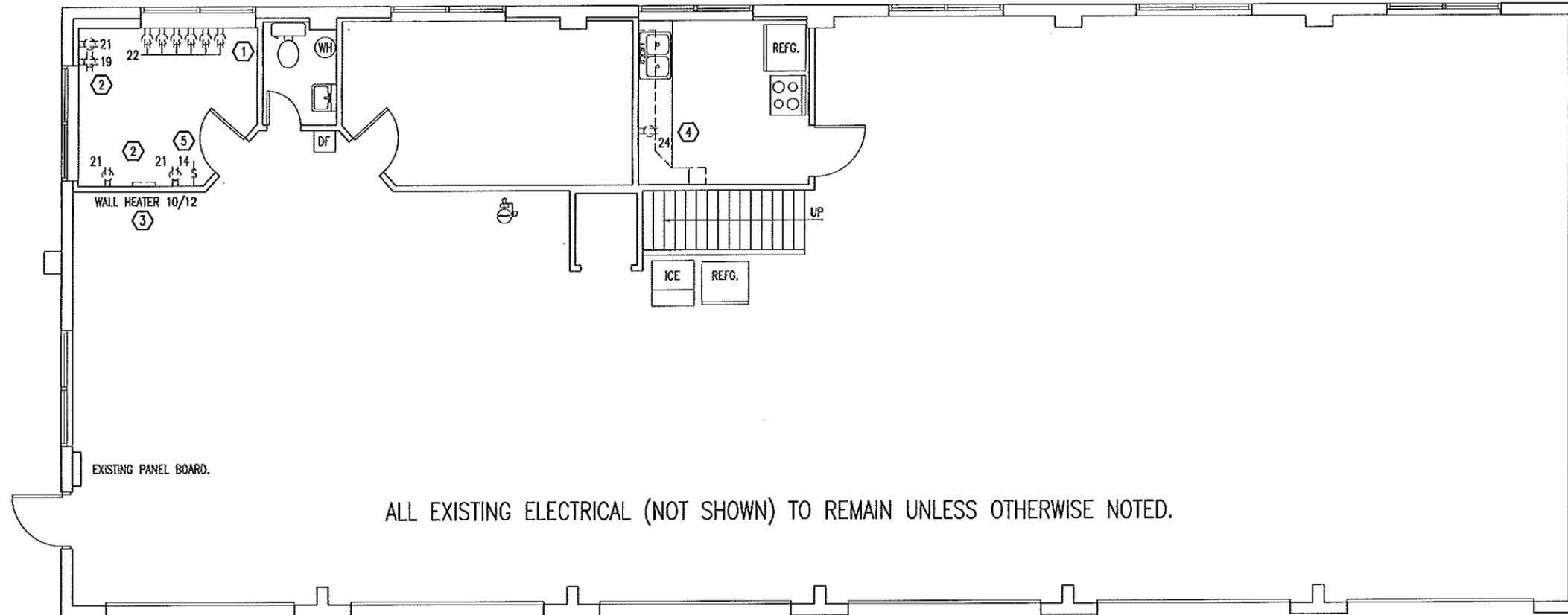
Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARYER
DATE: 4-11-14
Sheet
9 of 12

4/18/14

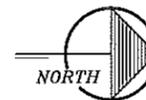
CONTRACTOR NOTES

- ① REMOVE RECEPTACLES, CONDUIT AND CONDUCTORS BACK TO PANEL BOARD FOR CIRCUIT 22.
- ② REMOVE RECEPTACLES CONDUIT AND CONDUCTORS BACK TO PANEL BOARD FOR CIRCUITS 19 & 21.
- ③ REMOVE WALL HEATER, CONDUIT AND CONDUCTORS BACK TO PANEL BOARD FOR CIRCUITS 10/12. RETURN HEATER TO OWNER.
- ④ REMOVE RECEPTACLE, CONDUIT AND CONDUCTORS BACK TO PANEL BOARD FOR CIRCUIT 24.
- ⑤ RELOCATE SWITCH FOR RELOCATED AND CENTERED LIGHT FIXTURE FOR CIRCUIT 14.



SEE SHEET 12 FOR PANEL BOARD.

A
10
 POWER
DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"



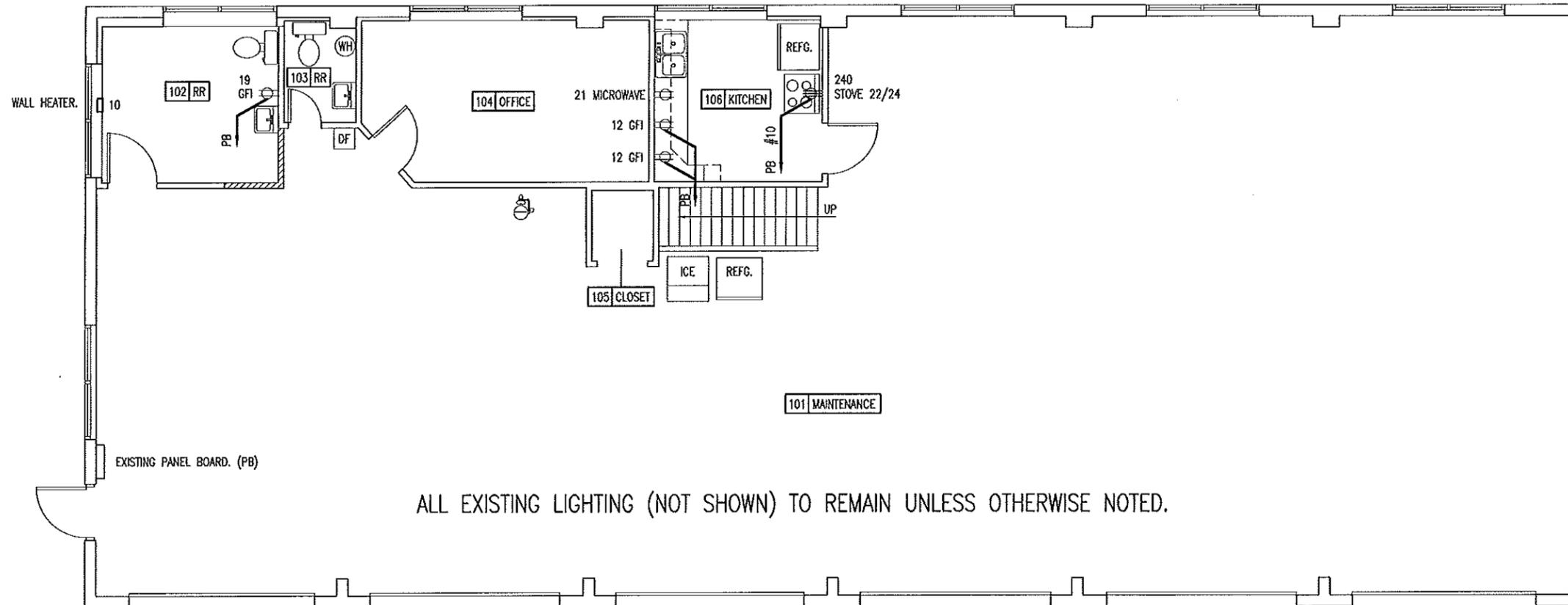
STATE OF MISSOURI
 DOUGLAS A. RECORD
 NUMBER
 A-2009002624
 ARCHITECT
 4/18/14

POWER DEMOLITION

**MISSOURI DEPARTMENT
 OF TRANSPORTATION**
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

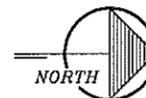
Alton Maintenance Building Restroom Renovation
 One Mile East of Route 19 on Route 160
 Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet
10 of 12



SEE ELECTRICAL SCHEDULE SHEET 12.

A POWER PLAN
11 SCALE: 1/8" = 1'-0"



DOUGLAS A. RECORD
NUMBER A-2009002624
ARCHITECT
4/18/14

POWER PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet 11 of 12

CONTRACTOR NOTES

- ① REUSE BREAKER IN CURRENT SPACE.
- ② REMOVE BREAKER TO FREE UP TWO SPACES.
- ③ RENAME SPACE FOR LIGHTING. REUSE BREAKER.
- ④ REMOVE BREAKER TO FREE UP SPACE.
- ⑤ NEW SPACE NAME
- ⑥ NEW BREAKER AND SPACE NAME.

ELECTRIC SCHEDULE					
MANUF.	MODEL	#	LAMPS TYPE W	MNT	REMARKS
BROAN	512M			CLG	70 CFM WALL MOUNT BATHROOM VENTILATOR. 6" ROUND x 4-3/8" 0.7 AMPS. WHITE FINISH GRILLE. 3.5 SONES.
ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.					

A
12

ELECTRICAL PANEL & NOTES
SCALE: NONE

Existing Panel Board (As-Built)						
MAIN BUS: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: RECESSED		EXISTING PANEL BOARD TO REMAIN. ELECTRICAL DEMOLITION HAS CHANGED SOME CIRCUITS. SEE PANEL BOARD TO THE RIGHT FOR NEW CIRCUIT CONFIGURATION.				
CIR		BKR		BKR	SERVICE	CIR
1	OPEN LIGHTING EXTERIOR	20A1P	A	20A1P	RECEPTACLES IN SHOP (1) EAST & WEST WALLS	2
3	WATER COOLER	20A1P	B	20A1P	RECEPTACLES NORTH WALL/2nd BAY RECEPTACLE	4
5	EXHAUST FAN & RECEPTACLES	20A1P	A	20A1P	RECEPTACLES IN KITCHEN	6
7	WATER HEATER	20A1P	B	20A1P	RECEPTACLES (1) IN 5th BAY	8
9	AIR CONDITIONER SUPERVISOR	20A1P	A	20A2P	HEATER ASSISTANT SUPERVISOR	10
11	HEATER SUPERVISOR'S OFFICE	30A2P	B			12
13			A	20A1P	LIGHTS IN REST ROOM & RECEPTACLES SOUTH SUPVSR.	14
15	HEATER IN RESTROOM	20A2P	B	20A1P	LIGHTS & RECEPTACLE ON MEZZANINE	16
17			A	20A1P	FUEL CARD READER & DIESEL PUMP	18
19	AIR CONDITIONER ASST. SUPERVISOR & RECEPTACLES	20A1P	B	20A1P	GAS PUMP	20
21	RECEPTACLES ASSISTANT SUPERVISOR	20A1P	A	20A1P	PLUGMOLD ASSISTANT SUPERVISOR	22
23	RECEPTACLES SUPERVISOR	20A1P	B	20A1P	MICROWAVE	24
25	PLUGMOLD SUPERVISOR	20A1P	A	20A1P	CLOSET/FRIDGE/ICE RECEPT. BY EYEWASH & (1) EXTR.	26
27	WELDER PLUGS	50A2P	B	20A1P	RECEPTACLE EXTERIOR	28
29			A	20A1P	RECEPTACLE EXTERIOR	30
31	LIGHTS & CEILING FAN	20A1P	B	20A1P	RECEPTACLE EXTERIOR	32
33	KITCHEN LIGHT & RECEPTACLES	20A1P	A	20A1P	RECEPTACLE EXTERIOR	34
35	WOOD STOVE MOTOR	20A1P	B	20A1P	?	36
37	HIGH BAY LIGHTS	20A2P	A	20A1P	PROPANE HEATER	38
39			B	20A1P	RECEPTACLE EXTERIOR	40

Existing Panel Board (with changed circuits)						
MAIN BUS: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: RECESSED		EXISTING PANEL BOARD TO REMAIN. COMPARE WITH EXISTING PANEL BOARD AND DEMOLITION PLANS FOR THE CIRCUITS THAT HAVE CHANGED. REUSE EXISTING BREAKERS WHERE INDICATED.				
CIR		BKR		BKR	SERVICE	CIR
1	OPEN LIGHTING EXTERIOR	20A1P	A	20A1P	RECEPTACLES IN SHOP (1) EAST & WEST WALLS	2
3	WATER COOLER	20A1P	B	20A1P	RECEPTACLES NORTH WALL/2nd BAY RECEPTACLE	4
5	EXHAUST FAN & RECEPTACLES	20A1P	A	20A1P	RECEPTACLES IN KITCHEN	6
7	WATER HEATER	20A1P	B	20A1P	RECEPTACLES (1) IN 5th BAY	8
9	AIR CONDITIONER SUPERVISOR	20A1P	A	20A1P	WALL HEATER	10
11	HEATER SUPERVISOR'S OFFICE	30A2P	B	20A1P	KITCHEN GFI's	12
13			A	20A1P	RESTROOM LIGHT	14
15	HEATER IN RESTROOM	20A2P	B	20A1P	LIGHTS & RECEPTACLE ON MEZZANINE	16
17			A	20A1P	FUEL CARD READER & DIESEL PUMP	18
19	RESTROOM GFI	20A1P	B	20A1P	GAS PUMP	20
21	MICROWAVE	20A1P	A	30A2P	STOVE	22
23	RECEPTACLES SUPERVISOR	20A1P	B			24
25	PLUGMOLD SUPERVISOR	20A1P	A	20A1P	CLOSET/FRIDGE/ICE RECEPT. BY EYEWASH & (1) EXTR.	26
27	WELDER PLUGS	50A2P	B	20A1P	RECEPTACLE EXTERIOR	28
29			A	20A1P	RECEPTACLE EXTERIOR	30
31	LIGHTS & CEILING FAN	20A1P	B	20A1P	RECEPTACLE EXTERIOR	32
33	KITCHEN LIGHT & RECEPTACLES	20A1P	A	20A1P	RECEPTACLE EXTERIOR	34
35	WOOD STOVE MOTOR	20A1P	B	20A1P	?	36
37	HIGH BAY LIGHTS	20A2P	A	20A1P	PROPANE HEATER	38
39			B	20A1P	RECEPTACLE EXTERIOR	40

ELECTRICAL NOTES

DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.).

PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.

SWITCHES AND RECEPTACLES SHALL BE EQUAL TO THE AMPERE RATING SHOWN IN THE PANEL SCHEDULE. RECEPTACLES SHALL BE GROUND-FAULT INTERRUPTION TYPE WHERE SHOWN OR AS REQUIRED BY CODE.

SEE HVAC SCHEDULE FOR EQUIPMENT TO BE HARD WIRED.

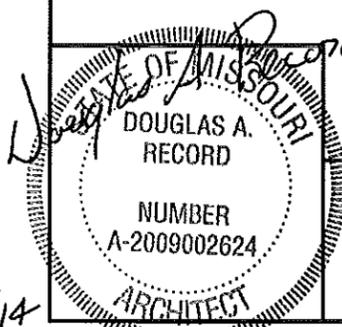
COORDINATE WORK WITH OTHER TRADES PRIOR TO COMMENCING WITH ELECTRICAL WORK.

FIXTURE LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED AFTER COLLABORATION WITH THE OWNER AND OTHER TRADES.

PROVIDE BLOCKING FOR ELECTRICAL DEVICES AS REQUIRED FOR A SECURE APPLICATION.

RESTROOM EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

USE ONLY SURFACE MOUNTED CONDUIT AND CONDUCTORS WITH RECEPTACLES ON WALLS AND SURFACES THAT ARE TO REMAIN. ELECTRICAL INSTALLED INSIDE WALL(S) AT NEW CONSTRUCTION.



Electrical Panel & Notes

**MISSOURI DEPARTMENT
OF TRANSPORTATION**
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Alton Maintenance Building Restroom Renovation
One Mile East of Route 19 on Route 160
Southeast District, Oregon County

DRAWN BY: LARRY CARVER
DATE: 4-11-14
Sheet
12 of 12