

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL AVIATION ADMINISTRATION  
 ATO-TECHNICAL OPERATIONS - WESTERN SERVICE AREA



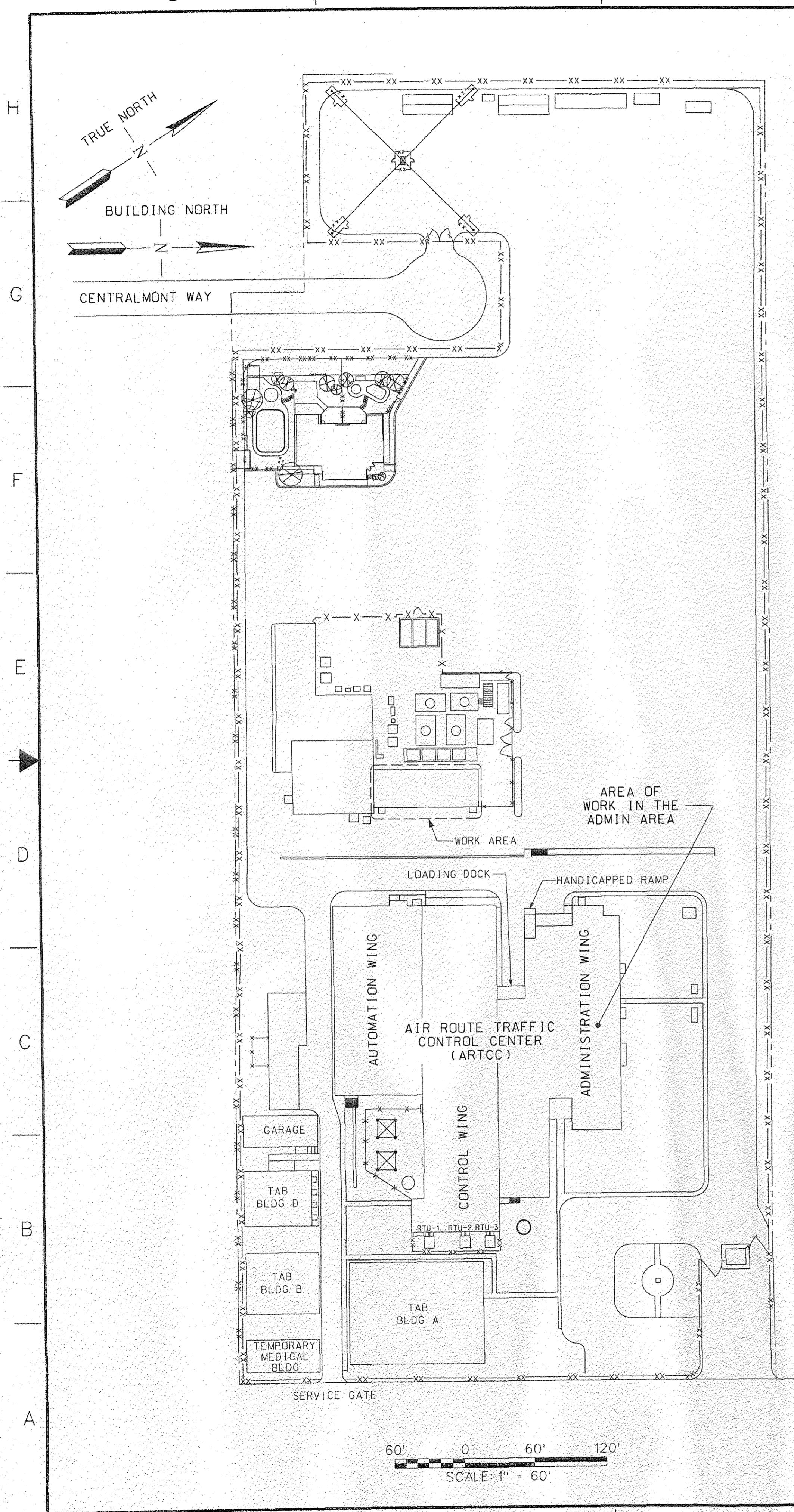
OAKLAND ARTCC ADMINISTRATION  
 BASEMENT RESTROOM RENOVATION  
 FREMONT, CA

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA ARTCC ADMIN BASEMENT RESTROOM MOD TITLE SHEET AND DRAWING INDEX					
FREMONT		OAKLAND CTR		CA	
REVIEWED BY	<i>Woody Dias</i>		<i>Paul K...</i>		
PROJECT ENGINEER	DESIGNED		ISSUED BY	MCR: ENGINEERING - LA	
DRAWN	WD	ENGINEERING SERVICES	DATE	06/01/2015	JCN 905885
CHECKED	JKB	ENROUTE/FSS	DRAWING NO	REV	
			ZOA-D-ARTCC-G173		

ISSUED FOR CONSTRUCTION



**CONSTRUCTION STAGING PLAN NOTES**

THE FOLLOWING NOTES AND ACCOMPANYING "CONSTRUCTION STAGING PLAN" GRAPHICALLY REPRESENT MANY OF THE MAJOR REQUIREMENTS STATED IN "DIVISION 1 GENERAL REQUIREMENTS" OF THE SPECIFICATIONS. THESE NOTES PARAPHRASE DIVISION 1 REQUIREMENTS AND ARE NOT INTENDED TO MODIFY OR REPLACE DIVISION 1 REQUIREMENTS.

CONSTRUCTION ACCESS, PARKING, OFFICES AND EXTENT/SIZE OF CONSTRUCTION STAGING AREA COORDINATED WITH SITE PERSONNEL VIA COTR; PARTICULARLY IN CONJUNCTION WITH ONGOING PROJECTS. LOCATION OF CONSTRUCTION STAGING AREA DETERMINED AT PRECONSTRUCTION CONFERENCE.

**A. CONSTRUCTION ACCESS**

- A.1 CONTRACTOR'S VEHICLES, PEDESTRIAN AND DELIVERIES TO SITE SHALL BE THROUGH MAIN ENTRANCE SECURITY GATE.
- A.2 SIGNAGE TO INDICATE ACCESS ROUTE FOR CONSTRUCTION EMPLOYEES AND DELIVERIES ON SITE SHALL BE PROVIDED BY THE CONTRACTOR. NECESSARY BARRICADES, LIGHTS, SIGNAGE AND FENCING TO PROTECT, WARN AND DIRECT PERSONS NEAR CONSTRUCTION AREAS SHALL BE PROVIDED BY THE CONTRACTOR.
- A.3 CONTRACTOR'S ACCESS TO BUILDING LIMITED TO THE WORK AREAS ONLY.
- A.4 CONTRACTOR SHALL KEEP LOADING DOCK AND CAFETERIA ACCESSIBLE AT ALL TIMES FOR FAA DELIVERIES. CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE FOR DELIVERY OF HEAVY EQUIPMENT TO LOADINGDOCK.
- A.5 DELIVERIES SHALL BE SCHEDULED AND APPROVED IN ADVANCE WITH COR AND AT TIMES OTHER THAN FAA EMPLOYEES SHIFT CHANGES TO AVOID CONGESTION. FAA SHIFT CHANGES OCCUR AT 6:30 TO 8:00 AM AND 2:00 TO 4:00 PM. CONTRACTOR DELIVERIES SHALL BE COORDINATED WITH THE COR.

**B. CONTRACTOR PARKING**

- B.1 CONTRACTOR'S PARKING LIMITED TO AREA IDENTIFIED IN SITE PLAN.

**C. FAA SECURITY REQUIREMENTS**

- C.1 AN ADVANCE LIST AND WEEKLY LOG OF CONTRACTOR'S PERSONNEL SHALL BE PROVIDED TO COTR. FAA RESERVES THE RIGHT NOT TO ACCEPT WORKERS. THE SUPERINTENDENT, FOREMAN AND SUBCONTRACTOR FOREMAN SHALL ALL OBTAIN AN NACI BADGE FOR ESCORTING PERSONNEL. TEMPORARY SECURITY BADGES MAY BE ISSUED TO OTHER CONSTRUCTION PERSONNEL. CONTRACTOR'S SUPERVISORY PERSONNEL SHALL BE RESPONSIBLE FOR CONDUCT OF THEIR PERSONNEL WHILE IN THE BUILDING. CONTRACTORS VEHICLES SHALL BE MARKED.
- C.2 SITE IS A SECURE AREA AND CONSTRUCTION PERSONNEL SHALL REMAIN IN CONSTRUCTION AREAS.
- C.3 FAA ESCORTS AND DESIGNATED ESCORTS ARE REQUIRED FOR CONSTRUCTION PERSONNEL WORKING WITHIN THE BUILDING. WORK WITHIN THE BUILDING COORDINATED IN ADVANCE WITH THE COR. CONTRACTOR SHALL ESCORT SUBCONTRACTORS AND DELIVERIES.
- C.4 CONTRACTOR SHALL USE GREAT CARE AND CAUTION WHILE WORKING IN ALL AREAS OF THIS FACILITY. WORK SHALL BE COORDINATED WITH COR. DISRUPTION OF THIS FACILITY WILL NOT BE PERMITTED.
- C.5 EXISTING FAA AIR TRAFFIC EQUIPMENT SHALL REMAIN OPERATIONAL THROUGHOUT DURATION OF THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS PROTECTION OF THIS EQUIPMENT FROM PHYSICAL OR ELECTRICAL DAMAGE AS A RESULT OF INCIDENTAL OR ACCIDENTAL NEGLIGENCE SUCH AS, BUT NOT LIMITED TO, DISRUPTION OF POWER TO UNITS. NO DAMAGE OR DISRUPTION OF ELECTRICAL SERVICES.

**D. CONSTRUCTION MATERIAL STORAGE**

- D.1 ALL STORAGE OF MATERIALS AND EQUIPMENT SHALL BE STORED OFF SITE.

**E. CONSTRUCTION DEBRIS**

- E.1 ENCLOSED DUMPSTERS FOR DISPOSAL OF CONSTRUCTION DEBRIS SHALL BE PROVIDED BY THE CONTRACTOR WITHIN THE CONSTRUCTION STAGING AREA. AREAS AROUND DUMPSTERS SHALL BE KEPT CLEAN AND FREE OF EXCESS DEBRIS AND DUST DURING CONSTRUCTION. DEBRIS SHALL BE REMOVED BY CONTRACTOR DAILY.

**G. CONSTRUCTION OFFICE**

- G.1 THERE IS NO AVAILABLE SPACE FOR ANY CONTRACTOR TRAILERS.

**H. CONSTRUCTION TOILET FACILITIES**

- H.1 CONTRACTOR SHALL NOT USE TOILETS INSIDE MAIN FACILITY BUILDING.
- H.2 PORTABLE CHEMICAL TOILETS SHALL BE PROVIDED, PAID FOR AND MAINTAINED BY THE CONTRACTOR AND IS REQUIRED IN THE CONSTRUCTION STAGING AREA.
- H.3 CONTRACTOR SHALL PROVIDE WASH STATIONS IN ADDITION TO PORTABLE TOILETS FOR CONSTRUCTION STAGING AREA.

**I. DEMOLITION AND CONSTRUCTION HOURS**

- I.1 CONTRACTOR SHALL NOT INTERFERE WITH AIR TRAFFIC CONTROL FUNCTION OF THIS FACILITY.
- I.2 FAA HAS AND MAINTAINS EQUIPMENT THAT IS CRITICAL TO ITS OPERATION THROUGHOUT THIS FACILITY.

**K. HAZARDOUS MATERIALS REMOVAL AND DISPOSAL**

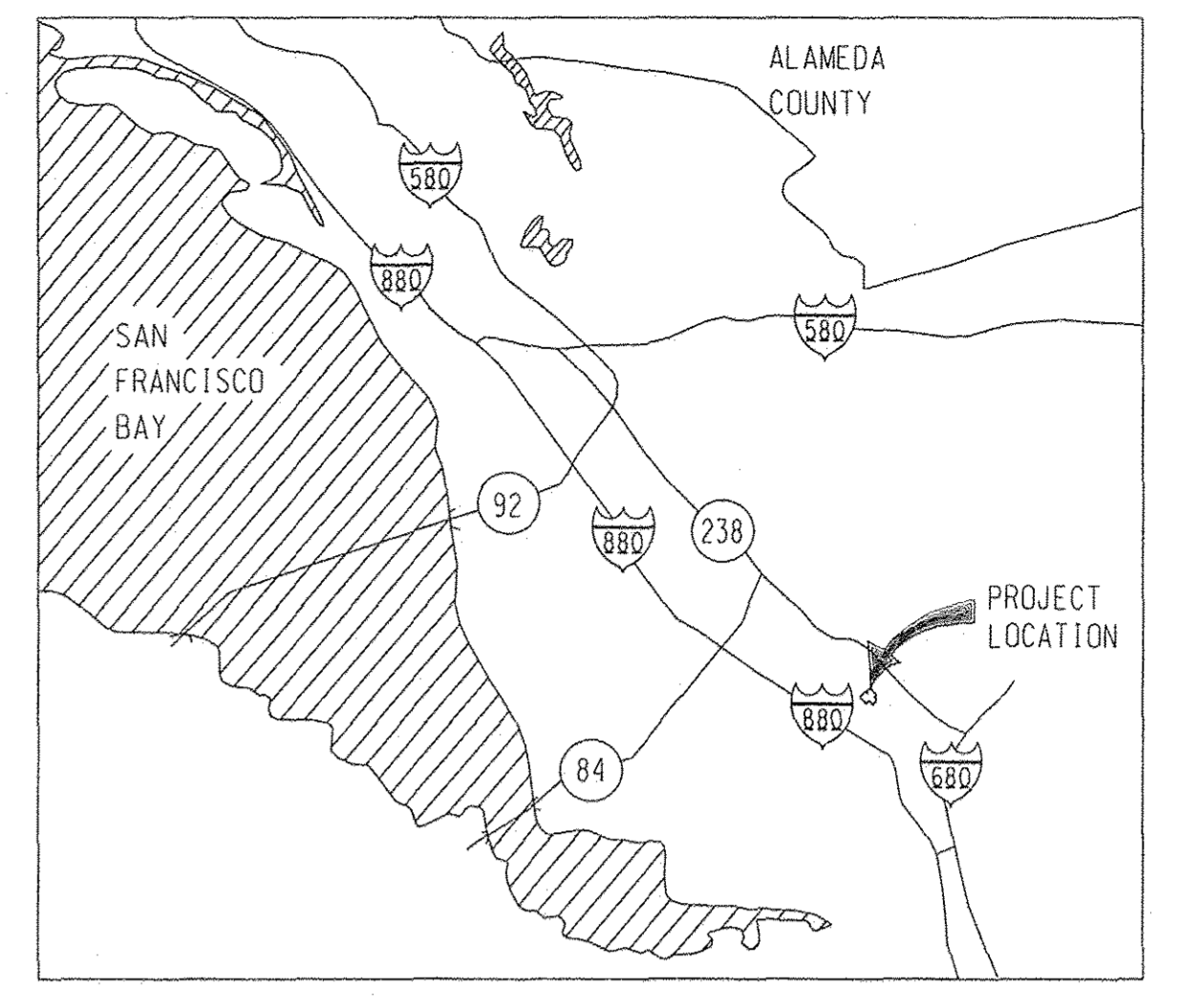
- K.1 ASSUME ALL EXISTING PAINT IS LEAD BASED UNLESS PROVEN OTHERWISE.
- K.2 ASBESTOS CONTAINING MATERIAL ARE IDENTIFIED IN THE DRAWINGS.

**L. PARKING LOT AND DRIVEWAY REPAIR**

- L.1 USE OF THE PARKING LOT AND DRIVEWAY IS PERMITTED.

**M. EQUIPMENT PROTECTION**

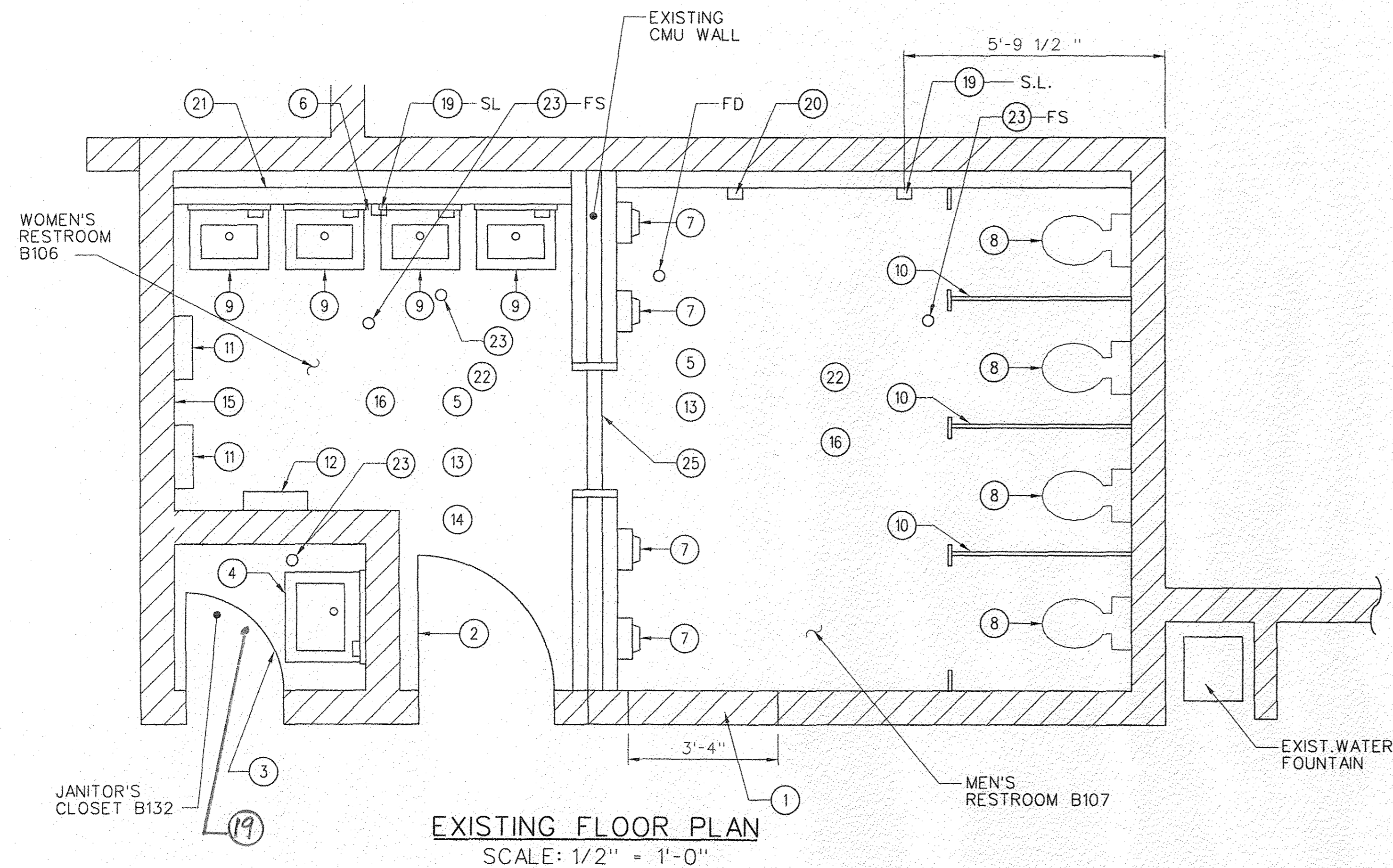
- M.1 CONTRACTOR SHALL PROTECT NEW AND EXISTING FAA EQUIPMENT, BOTH INSIDE AND OUTSIDE BUILDING, FROM DAMAGE.
- M.2 ARTCC IS A 24 HOUR 7 DAY PER WEEK OPERATING FACILITY. IT SHALL BE NECESSARY TO COORDINATE CONSTRUCTION ACTIVITY SO AS NOT TO INTERFERE WITH FUNCTIONS OF THE ARTCC.



**VICINITY MAP**  
FREMONT, CALIFORNIA  
SCALE: NONE

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FREMONT		OAKLAND CTR		CA	
REVIEWED BY	<i>Woody Deas</i>		<i>James H...</i>		
PROJECT ENGINEER	DESIGNED	ISSUED BY	MGR: ENGINEERING - LA	DATE	06/01/2015
DRAWN	JKB	ENROUTE/FSS	DRAWING NO	905885	REV
CHECKED	WD	ENROUTE/FSS	ZOA-D-ARTCC-G174		

ISSUED FOR CONSTRUCTION



HAZMAT REMOVAL/DISPOSAL ACM AND LEAD-BASED PAINT

HAZMAT SURVEY DATABASE

LOCATION	DESCRIPTION	HAZARDOUS MATERIAL	LOCATION	AMOUNT
B105/106 MEN'S RESTROOM	244 SQ FT OF NON-FRIABLE 1'x1' WHITE W/BLACK MARBLED FLOOR TILE	CHRYSTOTILE	FLOOR	15.0
B105/106 MEN'S RESTROOM	244 SQ FT OF NON-FRIABLE 1'x1' WHITE W/BLACK MARBLED FLOOR TILE MASTIC	CHRYSTOTILE	FLOOR	25.0
B105/106 MEN'S RESTROOM	FRIABLE MUDDED TSIFITTING	CHRYSTOTILE/AMOSITE /CROCIDOLITE	MISCELLANEOUS	50.0
B105/106 MEN'S RESTROOM	NON-FRIABLE TAN BASEBOARD MASTIC	CHRYSTOTILE	WALL	8.0

LOCATION	HAZARDOUS MATERIAL	STATUS	WT %
B105	LCC/LBP ON CEILING	INTACT	.803 WT %
B105	LCC/LBP ON DOOR AND DOOR FRAME TO B106	INTACT	.857 WT %
B105	LCC/LBP ON WALLS	INTACT	1.39 WT %
B105	LCC/LBP ON CEILING	INTACT	.803 WT %
B105	LCC/LBP ON DOOR JAMB TO B105 (NO DOOR)	INTACT	.803 WT %
B105	LCC/LBP ON WALLS (ABOVE TILES)	INTACT	.803 WT %

ADD TO THE TSIFITTINGS IN THE PIPE OVERHEAD PIPE CHASE AS WELL AS TSIFITTINGS IN THE VERTICAL WALL CAVITIES.

LEGEND:

- TSI - THERMAL SYSTEM INSULATION
- LCC - LEAD CONTAINING COMPOUNDS
- LBP - LEAD-BASED PAINT
- SL - STROBE LIGHT
- FS - FIRE SPRINKLER
- FD - FLOOR DRAIN

- 19 DO NOT REMOVE STROBE LIGHT. SEE ELECTRICAL DRAWING. CONTRACTOR SHALL PROTECT STROBE LIGHT THROUGHOUT THE PROJECT.
- 20 REMOVE AND DISPOSE OF EXIST DEODORIZER
- 21 NOT USED.
- 22 REMOVE AND DISPOSE OF EXIST PLASTER CEILING.
- 23 TEMPORARILY REMOVE SPRINKLER HEADS FOR NEW CEILING.
- 24 REMOVE AND DISPOSE OF JANITOR'S CLOSET FLOOR TILE AND COVE BASE. ASSUME ACM.
- 25 REMOVE AND DISPOSE OF EXISTING DOOR FRAME AND CMU HEADER. 4FT.-0" APPROX. WIDTH.

GENERAL NOTES:

- A. SURVEY ALL ITEMS PRIOR TO ANY WORK.
- 1 THIS WORK AREA CONTAINS ASBESTOS AND LEAD PAINT. REFER TO CONSTRUCTION NOTES FOR ADDITIONAL INFORMATION ON ASBESTOS AND LEAD-BASED PAINT.
- 2 DEMOLITION AND CONSTRUCTION HOURS: THE CONTRACTOR SHALL NOT INTERFERE WITH THE NORMAL OPERATION OF THE FACILITY. DEMOLITION AND CONSTRUCTION NOISE MUST BE MINIMIZED AT ALL TIMES.
- 3 CONCRETE SAW CUTTING, CORE DRILLING, CONCRETE DEMOLITION AND ANCHOR DRILLING WILL BE ALLOWED ONLY AT PREARRANGED TIMES APPROVED BY THE COR.
- 4 CONTRACTOR SHALL MINIMIZE ANY DUST-GENERATED DURING THE CONSTRUCTION PROCESS. ALL CONSTRUCTION DEBRIS SHALL BE CLEANED UP AT THE END OF EACH WORKING DAY.
- 5 CONTRACTOR SHALL ENSURE THAT THERE IS MINIMAL IMPACT TO OTHER AVAILABLE RESTROOMS AND AREAS SERVICED BY THE JANITORIAL CLOSET. CONTRACTOR SHALL PROVIDE PORTABLE JANITORIAL CABINETS AND WATER & WASTE SUPPLIES SUCH THAT JANITORIAL SERVICES IMPACTS ARE MINIMIZED FOR THE AREAS SERVICED BY THIS CLOSET. LOCATION OF THESE TEMPORARY SERVICES WILL BE COORDINATED WITH THE COR AND FACILITY.
- 6 FLOOR TILES AND ASSOCIATED MASTIC IN THE WORK AREA CONTAINS ASBESTOS.
- 7 ALL PIPING AND ELEMENTS SUPPORTED BY STRUCTURES TO BE REMOVED SHALL BE SUPPORTED THROUGHOUT.
- 8 APPROX. CEILING HEIGHT FOR B107 IS 8'-1/2".
- 9 APPROX. CEILING HEIGHT FOR B106 IS 7'-1/2".
- 10 EXIST. JANITOR'S SINK IS APPROX. 24" WIDE AND 20" DEEP.

DEMOLITION CONSTRUCTION NOTES

- 1 SAWCUT AND REMOVE APPROX. 40" WIDE x 7'-0" SECTION OF CMU WALL FOR THE INSTALLATION OF 3'-0" x 7'-0" STEEL DOOR AND METAL FRAME.
- 2 REMOVE AND DISPOSE OF EXIST. 36" DOOR, FRAME, THRESHOLD AND ALL ASSOCIATED HARDWARE.
- 3 REMOVE AND DISPOSE OF EXIST. 32" DOOR, FRAME, THRESHOLD AND ALL ASSOCIATED HARDWARE. ASSUME DOOR AND FRAME HAVE INTACT LCC/LBP.
- 4 REMOVE AND DISPOSE OF EXIST. JANITOR'S SERVICE SINK.
- 5 REMOVE AND DISPOSE OF CONCRETE FLOOR SLAB WHERE NECESSARY FOR NEW PIPING.
- 6 REMOVE AND DISPOSE OF EXIST. WALL PANEL
- 7 REMOVE AND DISPOSE OF EXIST. URINAL
- 8 REMOVE AND DISPOSE OF EXIST. WATER CLOSET
- 9 REMOVE AND DISPOSE OF EXIST LAVATORY
- 10 REMOVE AND DISPOSE OF EXIST TOILET PARTITIONS
- 11 REMOVE AND DISPOSE OF WALL-MOUNTED TOWEL DISPENSER
- 12 REMOVE AND DISPOSE OF WALL-MOUNTED TRASH CAN
- 13 REMOVE AND DISPOSE OF EXISTING PLASTER CEILING
- 14 REMOVE AND DISPOSE OF EXIST ACM FLOOR TILES.
- 15 REMOVE AND DISPOSE OF EXIST BASECOVE WITH ACM MASTIC
- 16 REMOVE AND DISPOSE OF EXISTING CERAMIC FLOOR TILES
- 17 SEE ELECTRICAL DRAWINGS FOR REMOVAL OF LIGHTS, ETC.
- 18 SEE MECHANICAL DRAWINGS FOR REMOVAL OF EXHAUST VENT.
- 19 REMOVE JANITOR'S CLOSET FLOOR TILE (ASSUME ACM TILE AND MASTIC)

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DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA

ARTCC  
ADMIN BASEMENT RESTROOM MOD  
RESTROOM DEMOLITION AND ABATEMENT

FREMONT OAKLAND CTR CA

REVIEWED BY: *Woody Dias* *[Signature]*

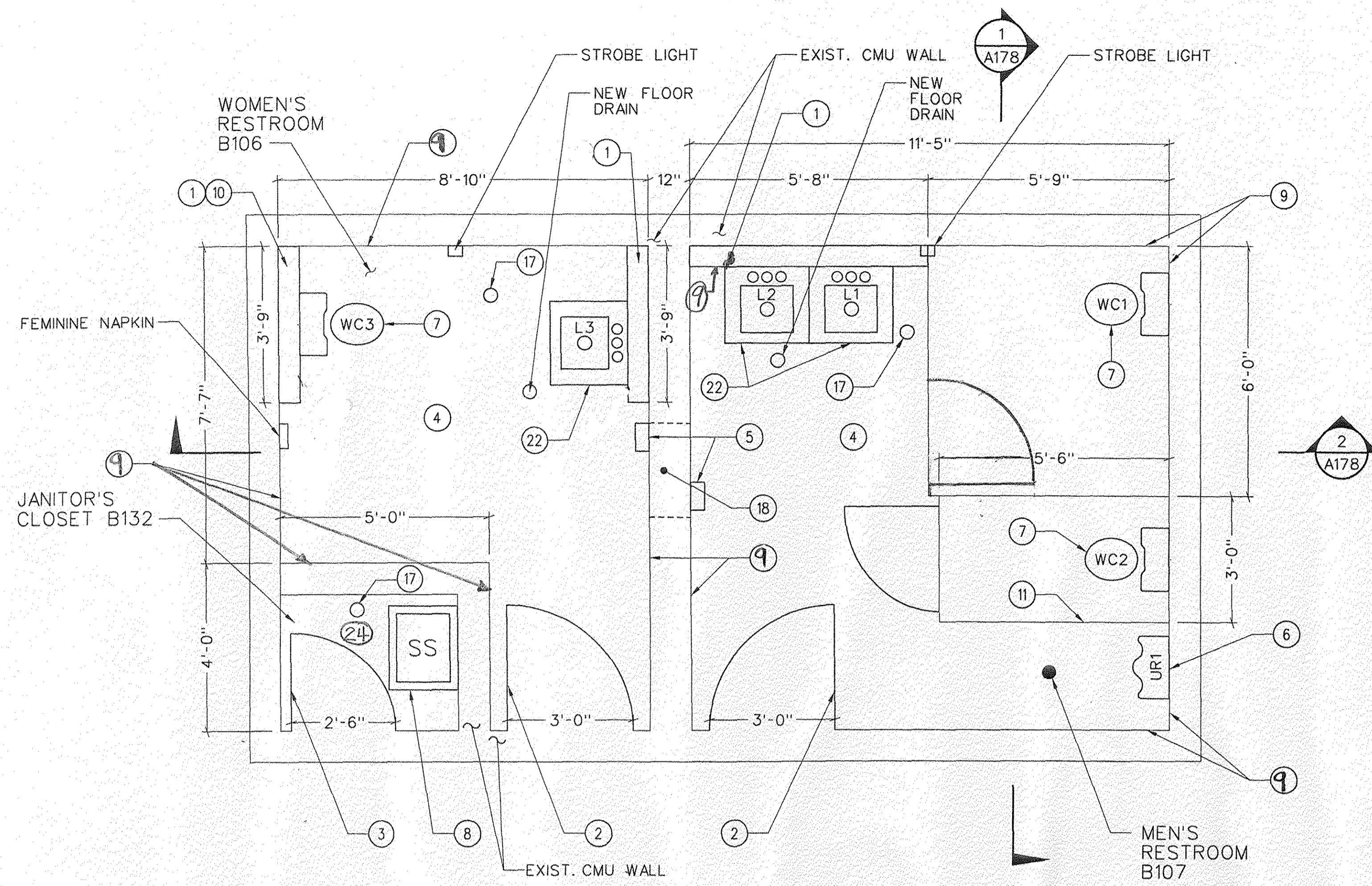
PROJECT ENGINEER: *[Signature]*

DESIGNED: *[Signature]* ISSUED BY: *[Signature]* MGR: ENGINEERING - LA

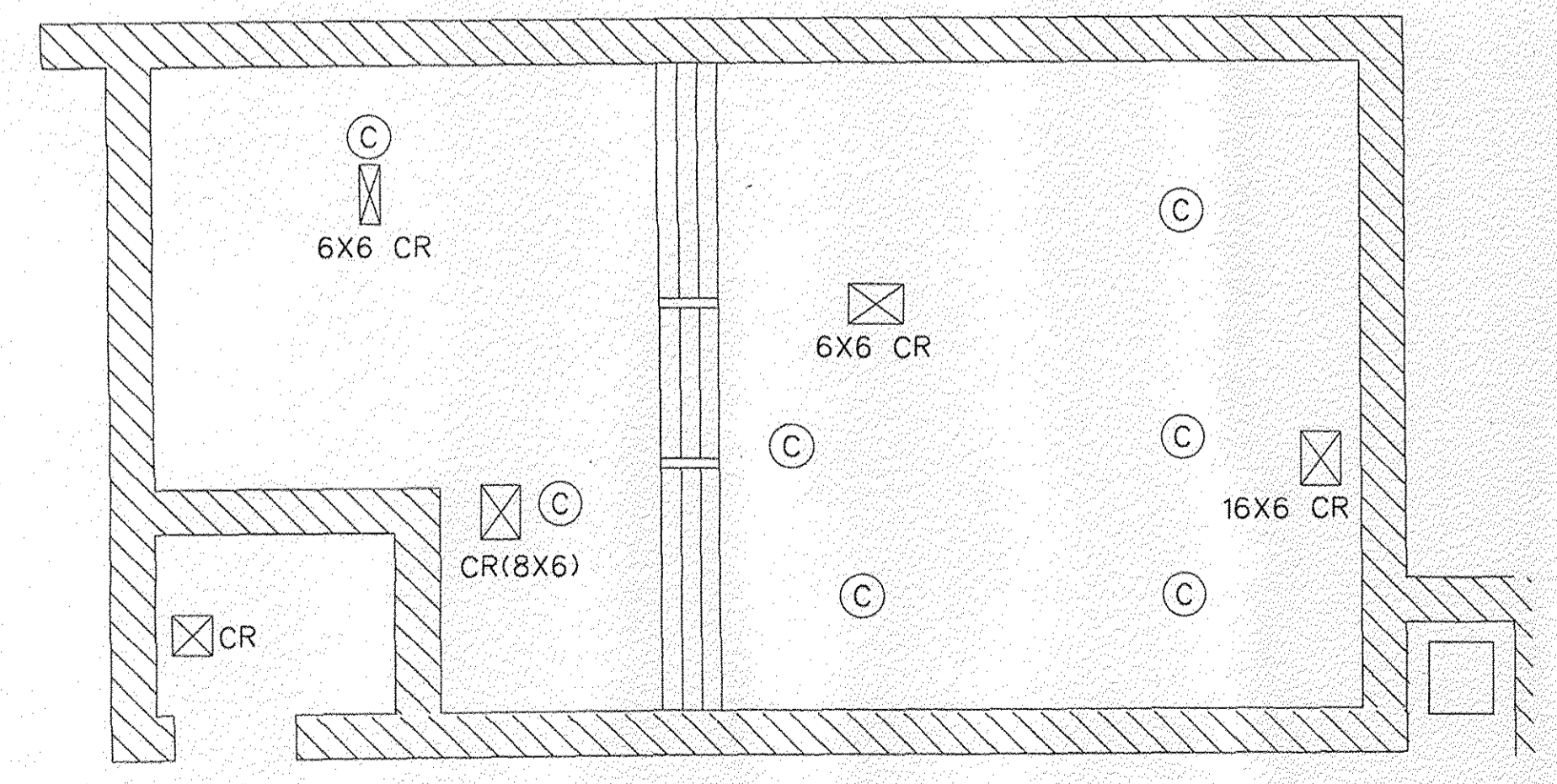
DATE: 06/01/2015 JCN: 905885

DRAWN: JKB ENGINEERING SERVICES ENROUTE/FSS DRAWING NO: ZOA-D-ARTCC-A176

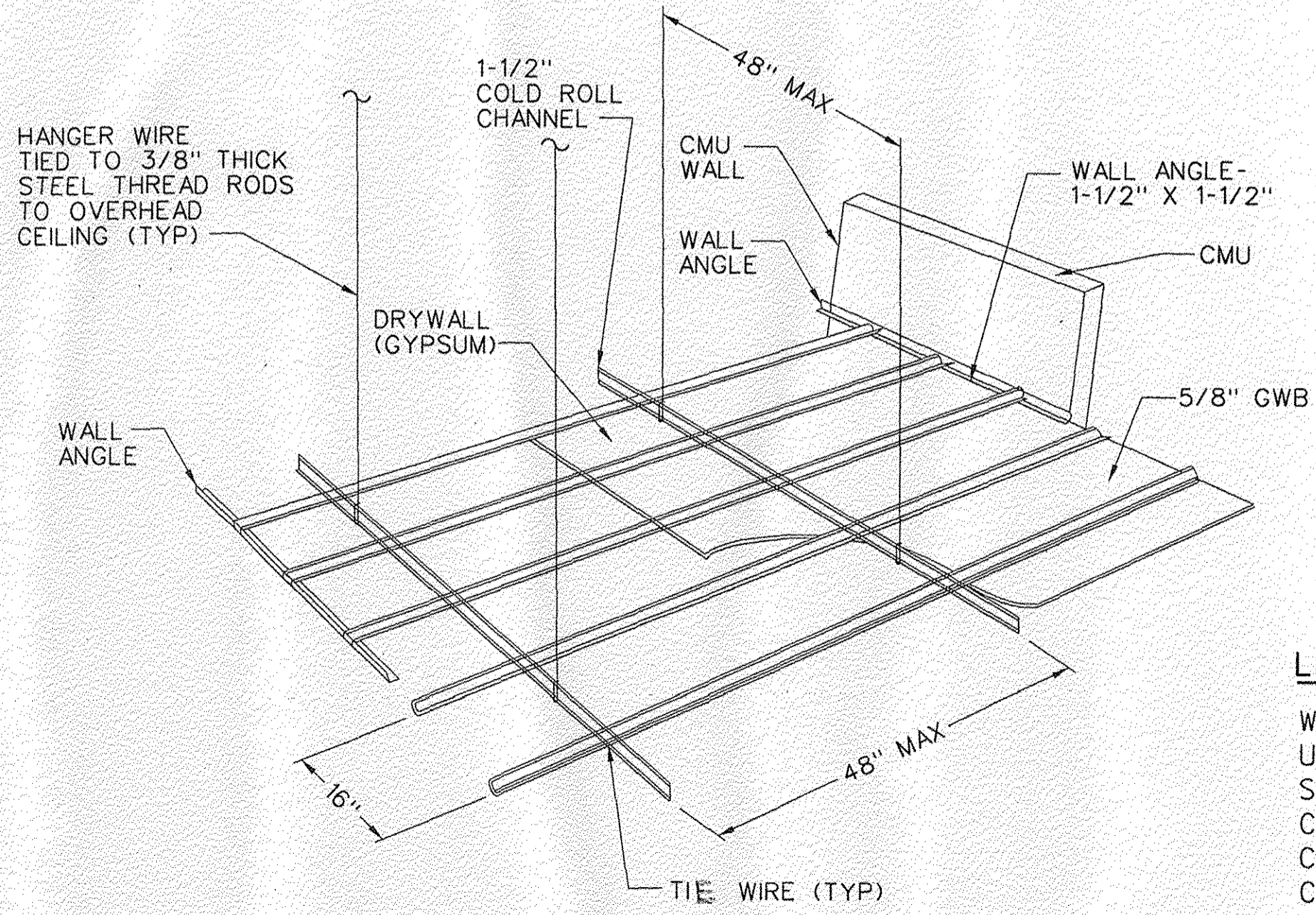
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**RESTROOMS FLOOR PLAN**  
SCALE: 1/2" = 1'-0"



**REFLECTED CEILING DETAIL**  
SCALE: NONE



**DRYWALL (GYPSUM) CEILING DETAIL**  
SCALE: NONE

- LEGEND:**
- WC - WATER CLOSET
  - UR - URINAL
  - SS - SERVICE SINK-JANITOR
  - CMU - CONCRETE MASONRY UNIT
  - CR - CEILING REGISTER
  - C - RECESSED CANNED LIGHTS

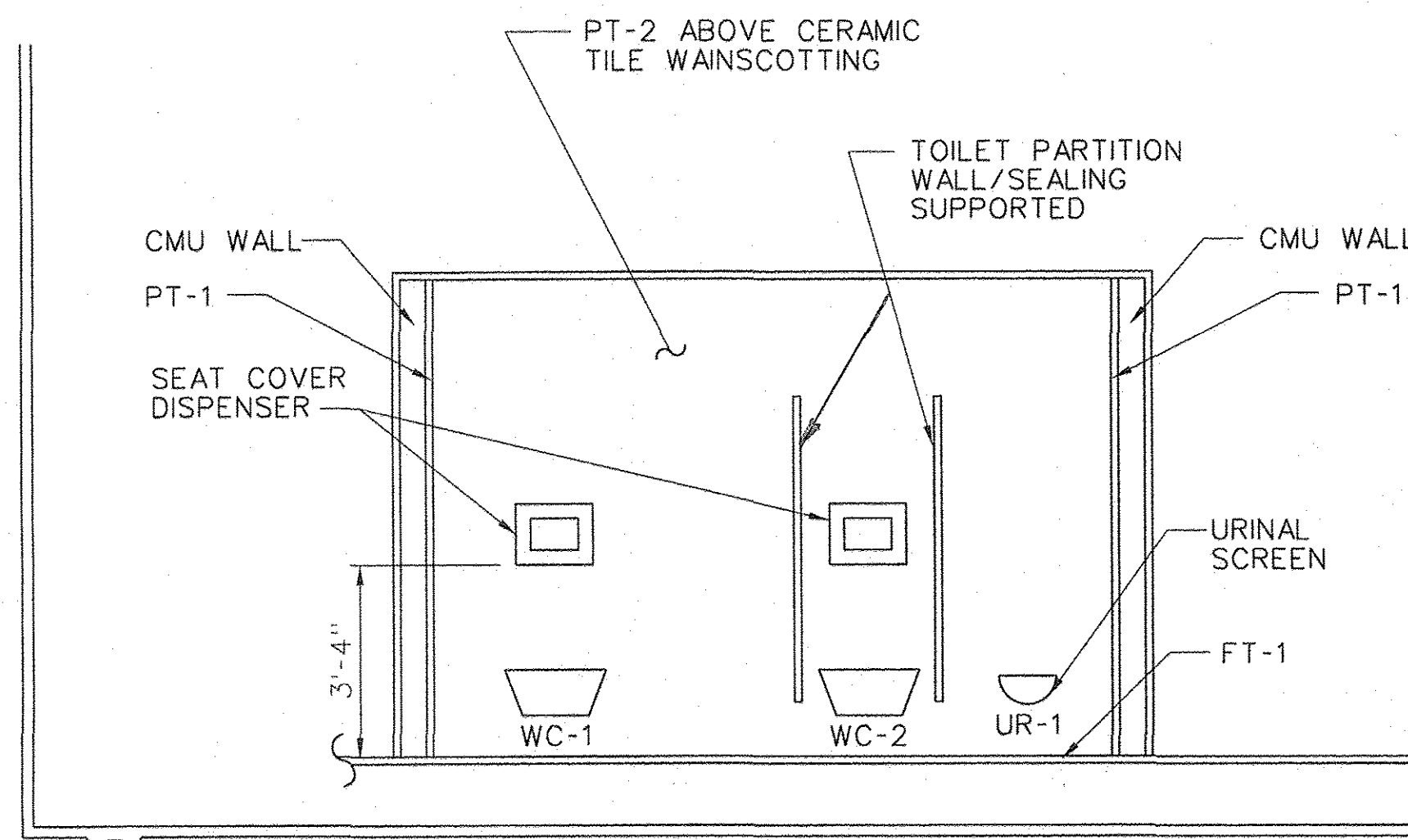
**CONSTRUCTION NOTES**

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO WORK.

- 1 INSTALL 5-1/2" METAL STUDS TO THE CMU WALL AT 16" OC, 5/8 THICK HARDIE BACKERBOARDS, AND CERAMIC TILE WAINSCOTING 3"-11" ABOVE THE FINISHED FLOOR AND PAINT PT-1 ABOVE TILE TO THE BOTTOM OF THE NEW CEILING.
- 2 INSTALL NEW STEEL 3'-0" X 7'-0" DOOR WITH NEW HARDWARE AND THRESHOLD, LOWER.
- 3 INSTALL NEW STEEL 32 INCHES X 7'-0" DOOR WITH NEW HARDWARE AND THRESHOLD.
- 4 NEW CEILING - 5/8" TYPE X WR GWB WITH 1-1/2" X 7/8" C CHANNEL (FURRING), WALL ANGLE 1-1/2" X 1-1/2" TIED INTO THE CMU WALL WITH 1/2" DIA. ANCHORS AT 16" OC, 1-1/2" COLD ROLLED CHANNEL, HANGER WIRES TIED TO 3/8" THICK SUSPENSION RODS INTO THE OVERHEAD CEILING ABOVE. CONTRACTOR SHALL LAYOUT THE CEILING SYSTEM SUCH THAT THE NEW PLANKS, LIGHTING, MECHANICAL DUCTS/GRILL, ETC. ARE NOT IMPACTED. CONTRACTOR TO PROVIDE DETAILED LAYOUT OF ALL COMPONENT AS A SUBMITTAL FOR APPROVAL TO THE COR PRIOR TO ANY WORK.
- 5 INSTALL NEW TOWEL AND DISPENSER, SURFACE MOUNT.
- 6 INSTALL NEW URINAL.
- 7 INSTALL NEW WATER CLOSET.
- 8 INSTALL NEW SERVICE SINK 24" X 20".
- 9 INSTALL NEW CERAMIC WAINSCOTING ON CMU WALLS 3'-11" ABOVE FINISHED FLOOR NEW LAVATORY AND PAINT PT-2 ABOVE TILE TO THE BOTTOM OF THE NEW CEILING.
- 10 FOR WC-3 THE WALL AREA SHALL BE REINFORCED TO SUPPORT THE WALL SUPPORTED WATER CLOSET.
- 11 NEW TOILET PARTITION, WALL AND CEILING SUPPORTED WITH HEADRAIL.
- 12 INSTALL NEW 2'-6" X 3'-4" MIRROR ABOVE EACH LAVATORY.
- 13 INSTALL NEW ABA/ADA SIGNAGE FOR EACH RESTROOM.
- 14 INSTALL NEW 12" X 12" STEEL ACCESS PANEL AT EACH NEW LAVATORY IN BOTH RESTROOMS.
- 15 INSTALL NEW NON-SLIP CEILING STEEL PLANKS OVER THE CEILING SUPPORTED BY THE EXIST. CONCRETE WALLS. APPROX. 75 LF. FIELD VERIFY AND COORDINATE WITH THE HANGERS AND OTHER CEILING ITEMS OF THE NEW GWB CEILING. SUBMITTAL REQUIRED SEE SPECS.
- 16 INSTALL NEW 5" THICK CONCRETE SLAB IN AREAS WHERE SLAB WAS REMOVED. WATERPROOF BOTTOM OF SLAB.
- 17 REINSTALL SPRINKLERS DURING CONSTRUCTION DURING INSTALLATION WORK.
- 18 INSTALL APPROX. 4 FT. WIDE CMU WALL PORTION WHICH CURRENTLY SEPARATES BOTH RESTROOMS. INSTALL WITH SAME THICKNESS AND HEIGHT AS THE EXISTING CMU WALL. CONNECT TO EXISTING PORTIONS OF CMU WALLS ON EITHER SIDE. FULL GROUT WITH REBARS.
- 19 INSTALL NEW STEEL SHELVES UNDER MIRRORS ABOVE LAVATORIES.
- 20 ANY PORTIONS OF THE EXIST. CMU WALLS THAT ARE REMOVED BY INSTALLATION OF PIPING AND CONNECTIONS SHALL BE RESTORED TO ITS EXIST. CONDITION.
- 21 NOT USED.
- 22 INSTALL NEW LAVATORY. THE WALL AREA SHALL BE REINFORCED TO SUPPORT THE WALL MOUNTED LAVATORY.
- 23 IN MEN'S AND WOMEN'S RESTROOM INSTALL FLOOR TILE DALTILE, P686, 12" X 24". FIELD TO BE RUNNING BOND PATTERN. GROUT TO BE DARK COLOR. MATCH COLOR IN EXISTING RESTROOM 1024. SUBMITTAL REQUIRED FOR APPROVAL.
- 24 IN JANITORS ROOM INSTALL NEW VINYL FLOOR TILE - VCT WITH 4" COVE BASE,

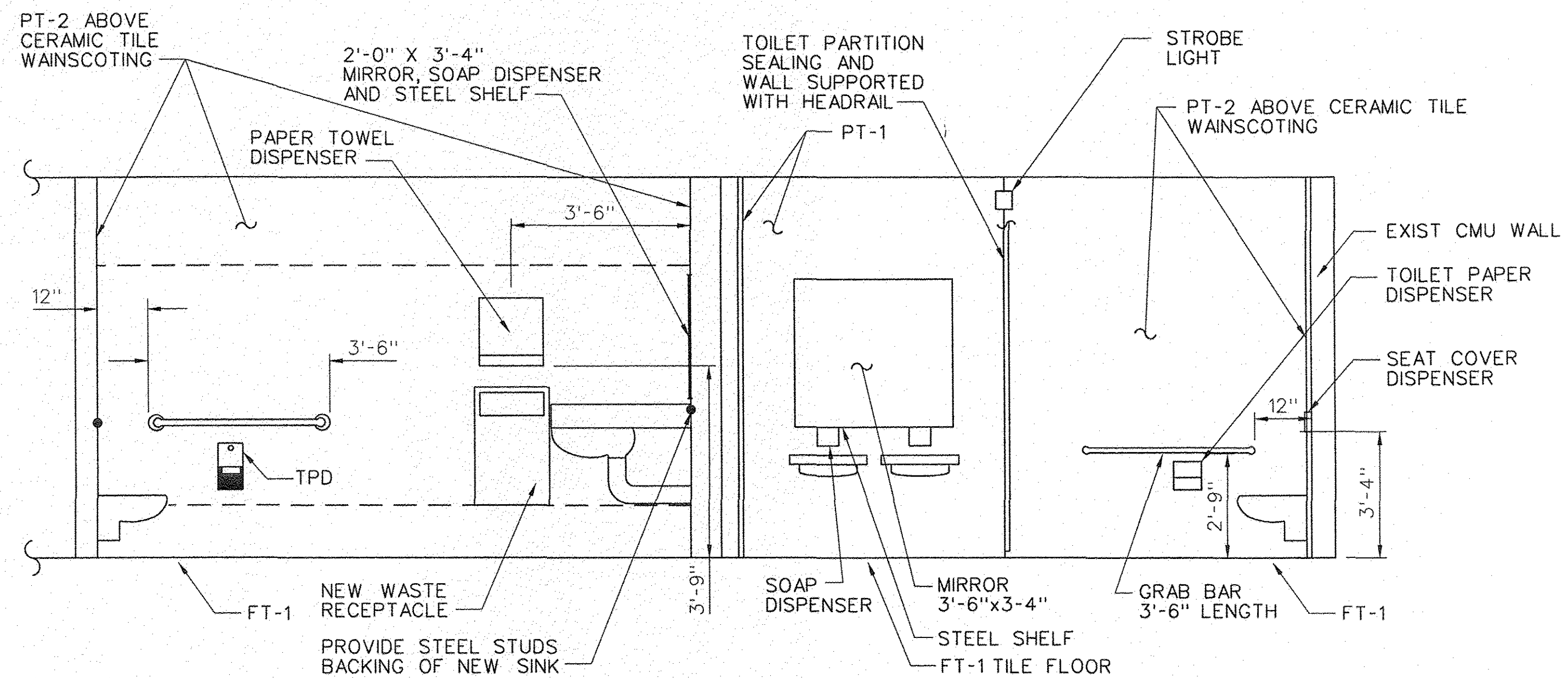
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FREMONT		OAKLAND CTR		CA	
REVIEWED BY	<i>Woody Deas</i>		<i>Randy Kite</i>		
PROJECT ENGINEER	DESIGNED	ISSUED BY	MGR: ENGINEERING - LA	DATE	JCN
DRAWN	CGV	ENGINEERING SERVICES	ENROUTE/FSS	06/01/2015	905885
CHECKED	WD	ZOA-D-ARTCC-A177		REV	

ISSUED FOR: CONSTRUCTION



ELEVATION 1

SCALE: NOT TO SCALE



ELEVATION 2

SCALE: NOT TO SCALE

**FINISH SCHEDULE:**

CONTRACTOR TO VERIFY MATCHING OF COLOR OF TILE AND PAINTS IN EXIST. RESTROOM 1024. WALL, FLOOR TILE, AND WALL PAINTS SHALL MATCH AS CLOSE AS POSSIBLE EXIST. 1024 RESTROOM.

**PAINT:**

PT-1 BENJAMIN MOORE, LINEN WHITE, I-70 SATIN/EGGSHELL SHEEN. ALL DOORS AND FRAMES SHALL BE PAINTED WITH BENJAMIN MOORE SEMI-GLOSS FINISH.

PT-2 BENJAMIN MOORE, ELK HORN AF-105 SATIN/EGG SHELL SHEEN.

**CERAMIC TILE & GROUT:**

CT-1, MODERN DIMENSIONS, MATTE ARCHITECTURAL GRAY 0709, WALL FIELD 4-1/4" X 8-1/2".

CT-2, DAL TILE, MODERN DIMENSIONS, SEMI-GLOSS ARCHITECTURAL GRAY 0109, TOP ROW OF WALL FIELD 4-1/4" X 8-1/2".

CT-3, DAL TILE BULLNOSE TRIM, S4849, 4-1/4" X 8-1/2".

CT-4, COVE BASE, A-3481, 4-1/4" X 8-1/2".  
FT-1, FLOOR TILE DAL TILE, P686, 12" X 24", FIELD TO BE RUNNING BOND PATTERN, GROUT TO BE DARK COLOR.

FT-1 (FLOORING)- FLOOR TILE DAL TILE, P686, 12" X 24". FIELD TO BE RUNNING BOND PATTERN. GROUT TO BE DARK COLOR. COORDINATE WITH COR FOR APPROVAL.

**NOTES:**

1. TILE BACKER BOARD ON WALLS THAT EXPAND OUT FROM THE CMU WALLS.
2. CERAMIC TILE WAINSCOTING 3'-11" ABOVE FINISHED FLOOR.
3. PROVIDE BLOCKING SUPPORT FOR ALL EQUIPMENT AND ITEMS THAT ARE WALL SUPPORTED.
4. SPACE/CLEARANCE UNDER LAVATORIES SHALL MEET ABA REQUIREMENTS.

**FIXTURES:**

**LAVATORIES: L1, L2, L3**

1. WALL HUNG LAVATORY OF VITREOUS CHINA, 20" X 18" WITH FAUCET HOLES AT 4" CENTERS, INCLUDING WALL HANGER. COLOR WHITE.
2. DOUBLE CONTROL LAVATORY FAUCET, 3/8" COPPER INLETS, GRID ASSEMBLY.

**URINAL: UR1**

1. URINAL WALL HUNG OF VITREOUS CHINA, WHITE, WITH TOP SPED, WALL HANGER AND OUTLET CONNECTION.
2. EXPOSED DIAPHRAGM TYPE URINAL FLUSHOMETER, METAL OSCILLATING NON-HOLD-OPEN HANDLE, 3/4" IPS SCREWDRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAIL PIECE, VACUUM BREAKER AND SPUD COUPLING, WALL & SPUD FLANGES.

**WATER CLOSET: WC1, WC2, WC3**

KOHLER HIGHLINE MODEL K-4405 OR APPROVED EQUAL WITH 1.28 GPF FLUSHOMETER WITH TRIPPOINT TECHNOLOGY. ABA AND ADA COMPLIANT. COLOR WHITE.

**SERVICE SINK: SS1**

1. SERVICE SINK NOMINAL DIMENSIONS 24" X 20" OF ENAMELLED CAST IRON WITH RIM GUARD, WALL HANGER AND DRILLED BACK.
2. FAUCET WITH VACUUM BREAKER.

TPD-TOILET PAPER DISPENSER

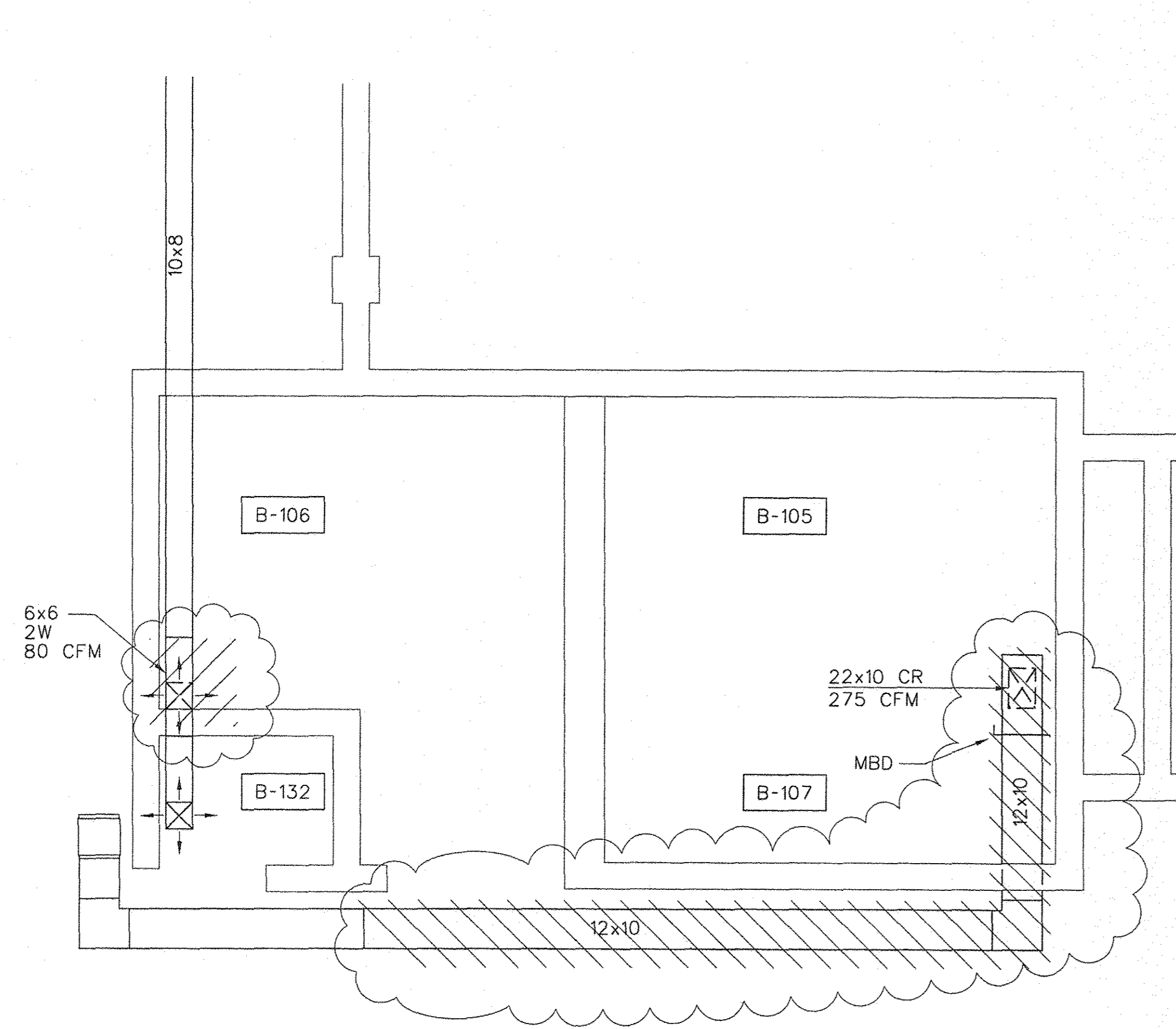
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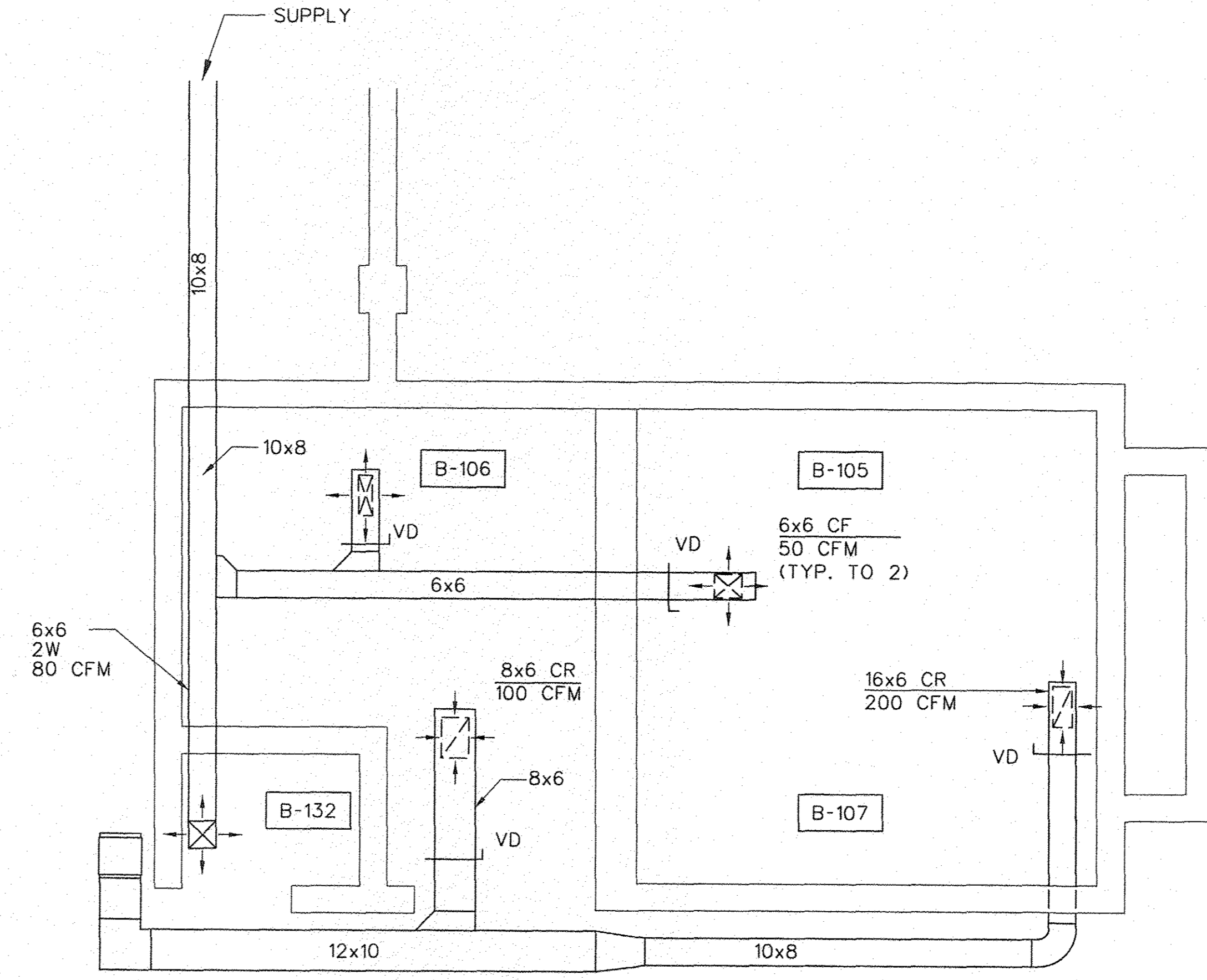
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G  
F  
E  
D  
C  
B  
A

H  
G  
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E  
D  
C  
B  
A



1 DUCT DEMOLITION PLAN  
- NTS



2 REVISED DUCTS  
- NTS

**NOTES:**

- A) DUCT SUPPORTS AND HANGERS SHALL BE IN ACCORDANCE TO THE LATEST SMACNA STANDARD, HVAC DUCT CONSTRUCTION.
- B) AIR DUCTS SHALL BE FABRICATED AND INSTALLED IN COMPLIANCE W/THE SMACNA STANDARD. HVAC DUCT CONSTRUCTION.
- C) SUPPLY AIR DUCT SHALL BE INSULATED.

**LEGEND:**

- = 4 WAY CEILING DIFFUSER - CD
- = CEILING EXHAUST GRILL - CR
- = DUCT REDUCER
- = NEW DUCT
- = RETURN-TITUS 350 FL
- = SUPPLY-TITUS 250 FL
- = FOR DEMOLITION
- = VOLUME DAMPER
- = MBD

**DEMO NOTES:**

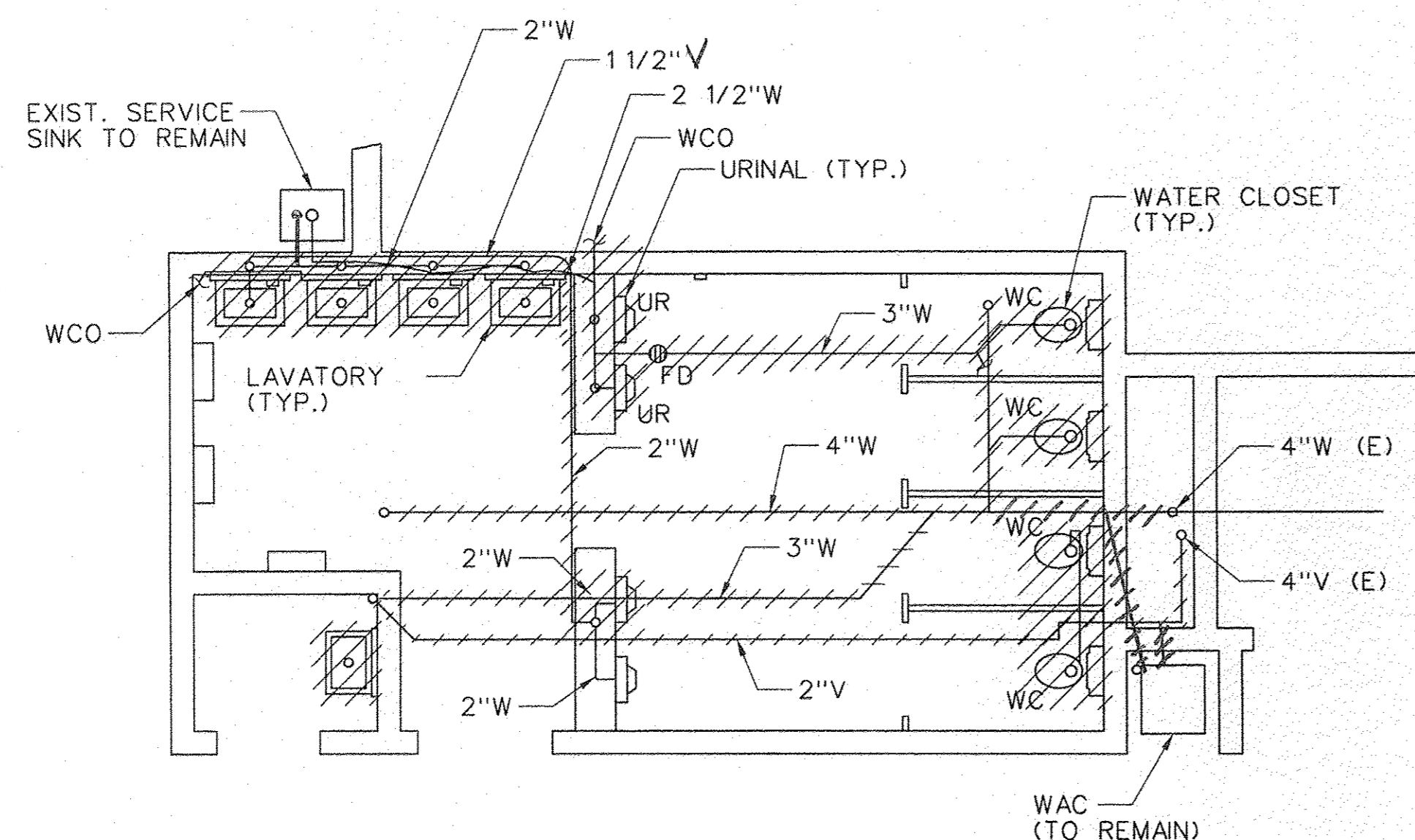
- 1) COORDINATE W/ CO 10 PAYS PRIOR TO START OF DEMO.
- 2) PROTECT THE OPENING TO PREVENT DUST FROM ENTERING THE DUCT.
- 3) PROVIDE PLAN ON CUTTING & RESTORING DUCTWORK.

11/27/2015 5:51:20 AM Woody Dies

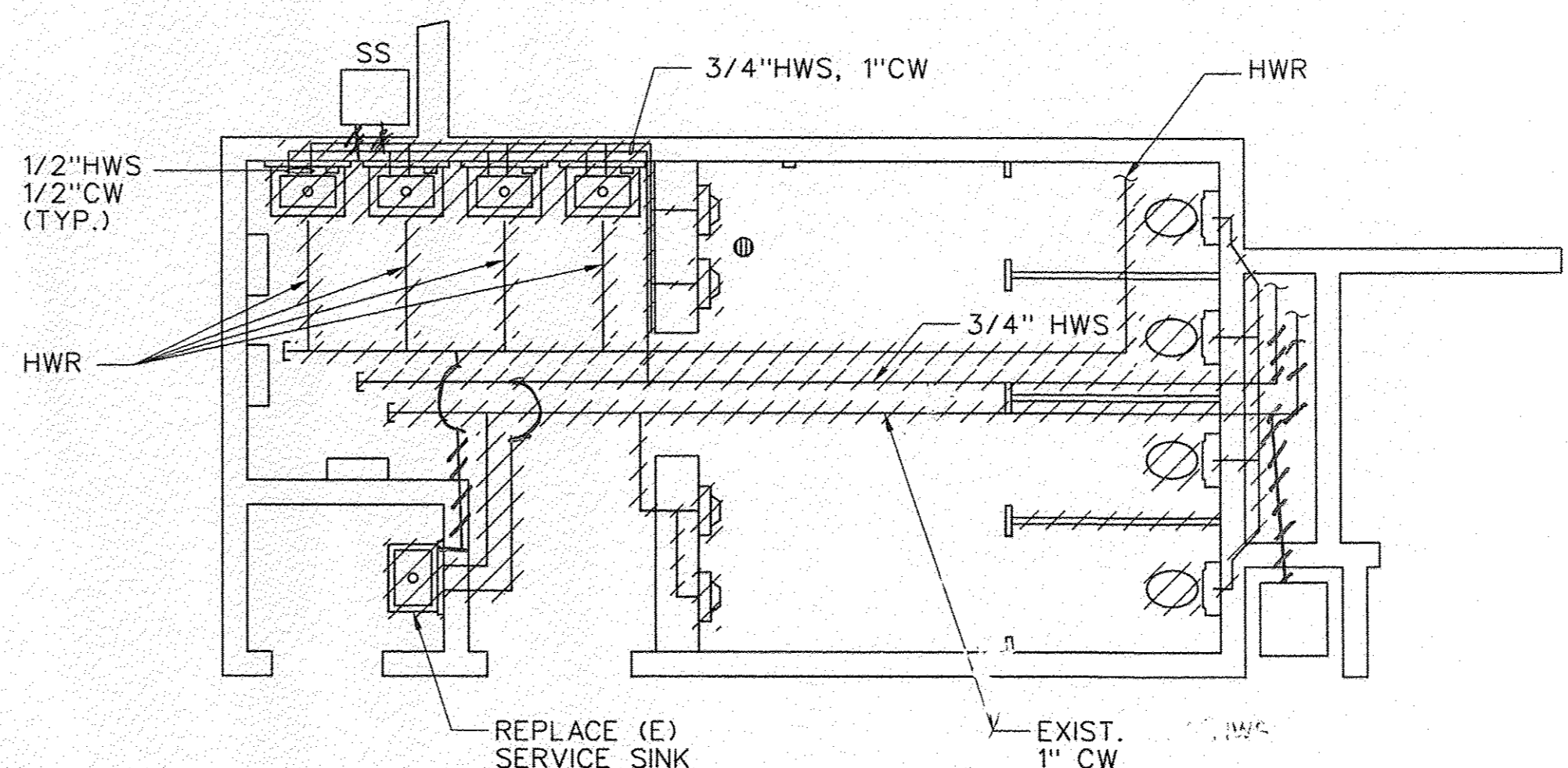
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA <b>ARTCC</b> ADMIN BASEMENT RESTROOM MOD HVAC DEMOLITION AND MODIFICATION					
FREMONT		OAKLAND CTR		CA	
REVIEWED BY	<i>Woody Dies</i>		<i>Randy Kirk</i>		
PROJECT ENGINEER	DESIGNED		ISSUED BY	MGR: ENGINEERING - LA	
DRAWN	WD	CGV	ENRUTE/FSS	DATE	06/01/2015
CHECKED	WD	CGV	ENRUTE/FSS	JCN	905885
DRAWING NO				ZOA-D-ARTCC-M277	

ISSUED FOR CONSTRUCTION

8 7 6 5 4 3 2 1



**SANITARY WASTE AND VENT (DEMOLITION)**  
NTS



**FLOOR PLAN - HOT AND COLD WATER (DEMOLITION)**  
NTS

- LEGEND:**
- FD - FLOOR DRAIN
  - WCO - WALL CLEAN OUT
  - W - WASTE
  - V - VENT
  - WC - WATER CLOSET
  - UR - URINAL
  - WAC - WATER COOLER
  - E - EXISTING
  - HWS - HOT WATER SUPPLY
  - HWR - HOT WATER RETURN
  - CW - COLD WATER

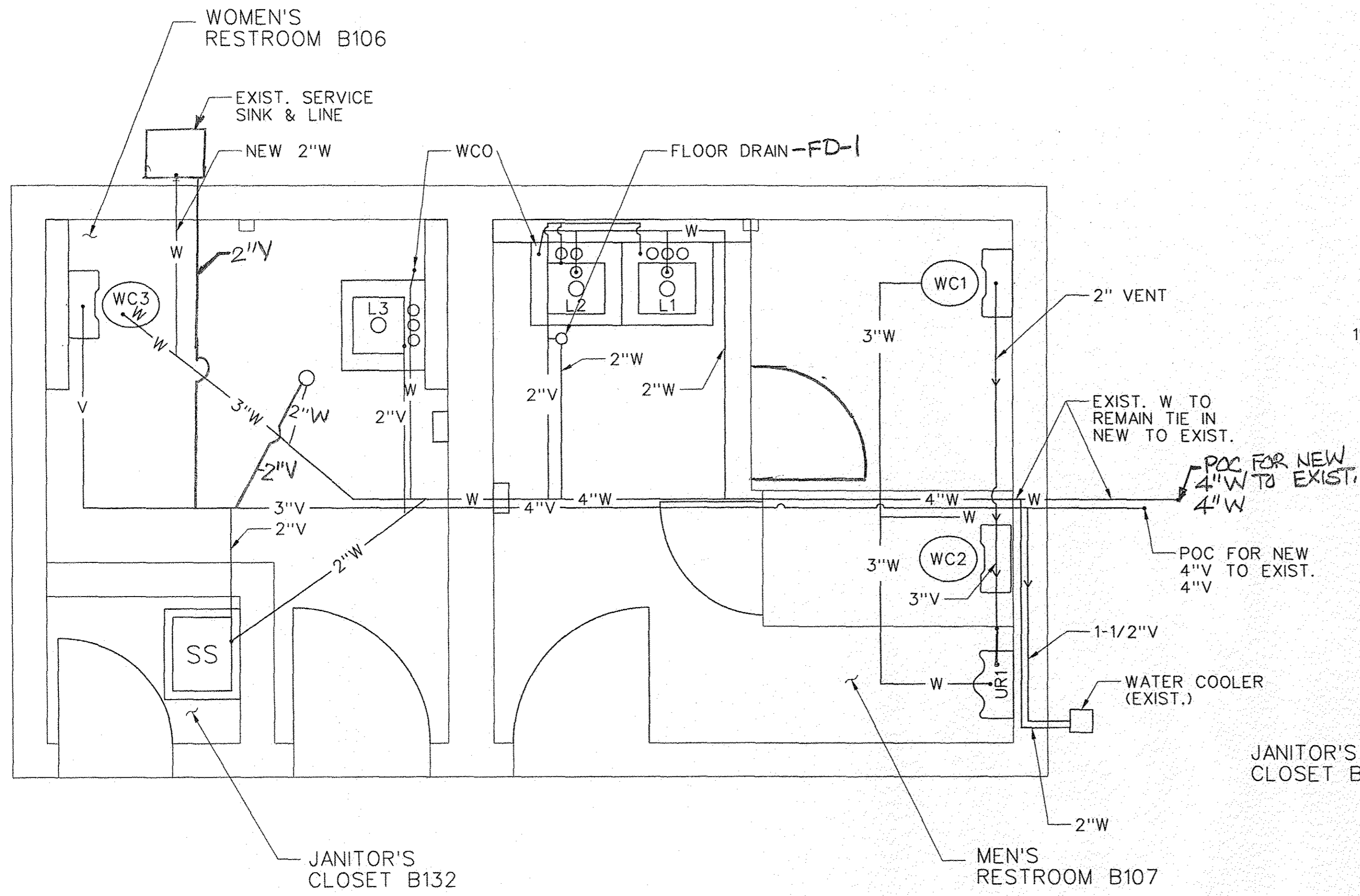
**GENERAL NOTES:**

CONTRACTOR SHALL FIELD DETERMINE ALL PIPING, SIZES PRIOR TO ANY WORK.

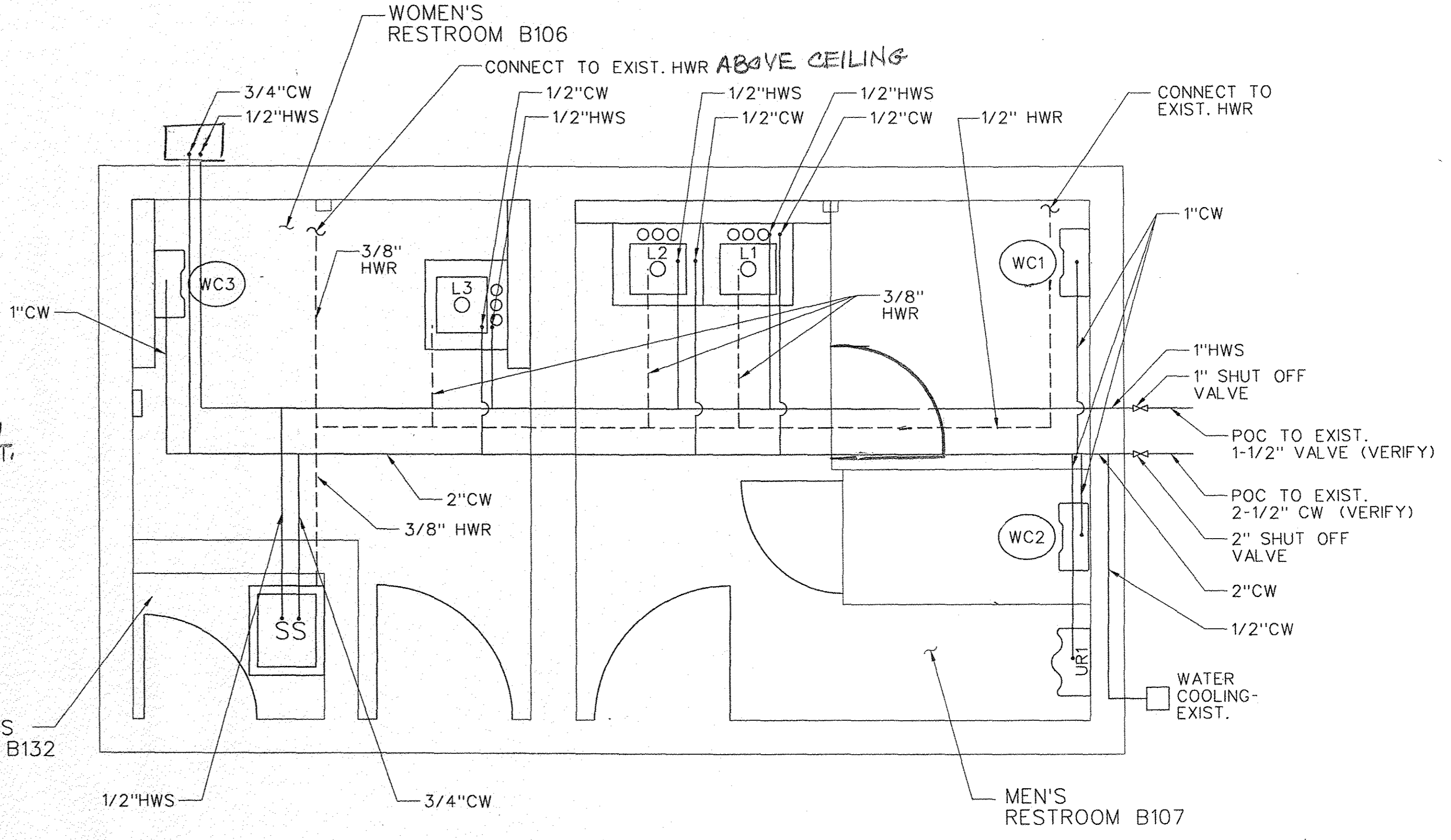
**DRAWING NOTES:**

1. ALL PLUMBING FIXTURES AND ASSOCIATED PIPING SHOWN SHALL BE CONTAINED LEAK-FREE PRIOR TO TRANSPORT FROM RESTROOM. ALL PLUMBING FIXTURES SHOWN SHALL BE REMOVED AND NOT REUSED.
2. EXISTING WATER CLOSET PENETRATIONS AND FLOOR CLEANOUTS SHALL NOT BE REUSED. FILL PENETRATIONS WITH GROUT.
3. TEMPORARILY PLUG OPEN SS PIPING THAT ARE TO BE REUSED TO PREVENT SEWER GAS FROM ENTERING AREAS.
4. ADVANCE NOTICE OF 30 DAYS IS REQUIRED FOR ALL RESTROOM CLOSURES. RESTROOM CLOSURES SHALL BE COORDINATED BETWEEN THE COR AND FACILITY PERSONNEL TO MINIMIZE INTERRUPTIONS TO FAA EMPLOYEES.
5. ALL FACILITY EQUIPMENT, FLOORS, AND WALLS WITH THE POTENTIAL FOR DAMAGE MUST BE PROTECTED PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL ISOLATE ALL WASTE, VENT, COLD WATER LINES AND ENSURE THAT THERE IS MINIMAL IMPACT AND DISRUPTION TO EXISTING RESTROOMS ON THE FIRST FLOOR - MENS RESTROOM 1024 ("BIG BLUE") AND WOMENS RESTROOM 1024A "BIG PINK". BOTH RESTROOMS MUST BE OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT TO AVOID ADVERSELY AFFECTING OPERATIONS OF THE FACILITY. ANY TEMPORARY DISRUPTION MUST BE COORDINATED 30 CALENDAR DAYS IN ADVANCE. CONTRACTOR SHALL SUBMIT TO THE COR FOR APPROVAL A DETAIL PLAN SHOWING MINIMAL OPERATIONAL IMPACTS TO BOTH RESTROOMS.

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA ARTCC ADMIN BASEMENT RESTROOM MOD SANITARY WASTE/VENT AND HOT/COLD WATER DEMOLITION					
FREMONT		OAKLAND CTR		CA	
REVIEWED BY	<i>Woody Rice</i>		<i>Paul K...</i>		
PROJECT ENGINEER	DESIGNED		ISSUED BY	MGR: ENGINEERING - LA	
DRAWN	WD	ENR	DATE	06/01/2015	JCN
CHECKED	CGV	ENR	DRAWING NO	905885	
	WD	ENR	REV	ZOA-D-ARTCC-P112	



**WASTE AND VENT PIPING PLAN**  
SCALE: NONE



**HOT AND COLD WATER PIPING PLAN**  
SCALE: NONE

**GENERAL NOTES:**

1. CONTRACTOR SHALL ISOLATE ALL WASTE, VENT, HOT WATER, COLD WATER LINES SUCH THAT THERE ARE MINIMAL IMPACTS TO EXISTING RESTROOMS ON THE FIRST FLOOR, SPECIFICALLY, MEN'S RESTROOM 1024 ("BIG BLUE") AND WOMEN'S RESTROOM 1024A ("BIG PINK"), AND SINK IN MACHINE SHOP B112.
2. INSTALL SANITARY SEWER RISER IN ACCORDANCE WITH THE LATEST IPC. CAP ANY VENT PIPING NOT COMPLETED AT THE END OF EACH DAY TO PREVENT SEWER GASES FROM ESCAPING.
3. ALL VERTICAL SEWER LINES SHALL HAVE A CLEAN-OUT THE SAME SIZE AS THE SEWER LINE AT LEAST 6" ABOVE THE FINISHED FLOOR.
4. CONTRACTOR SHALL DETERMINE PER LATEST IPC CODE THE LOCATION AND NUMBER OF WATER HAMMER ARRESTORS. SUBMIT FOR APPROVAL.

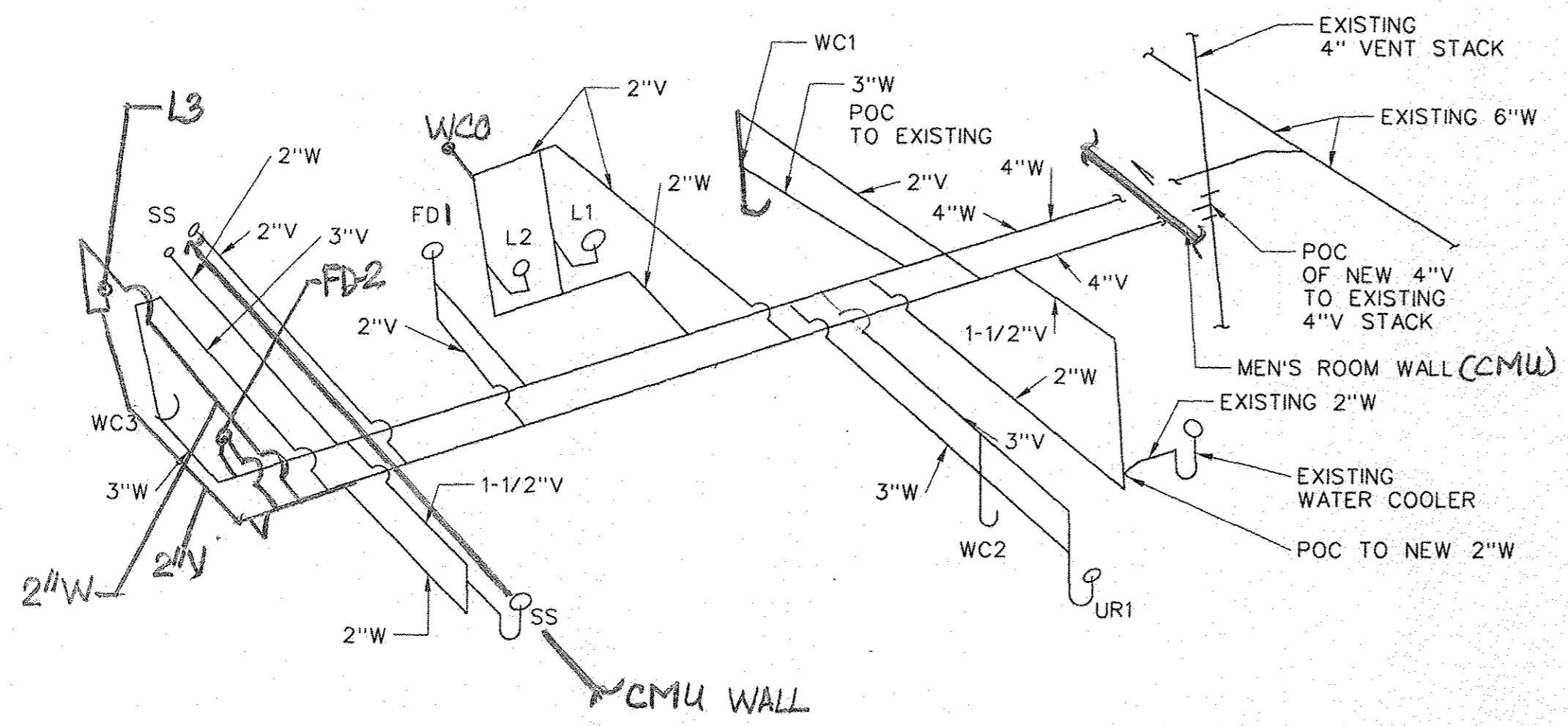
**LEGEND:**

- W - WASTE PIPING
- V - VENT PIPING
- HWS - HOT WATER SUPPLY
- HWR - HOT WATER RETURN

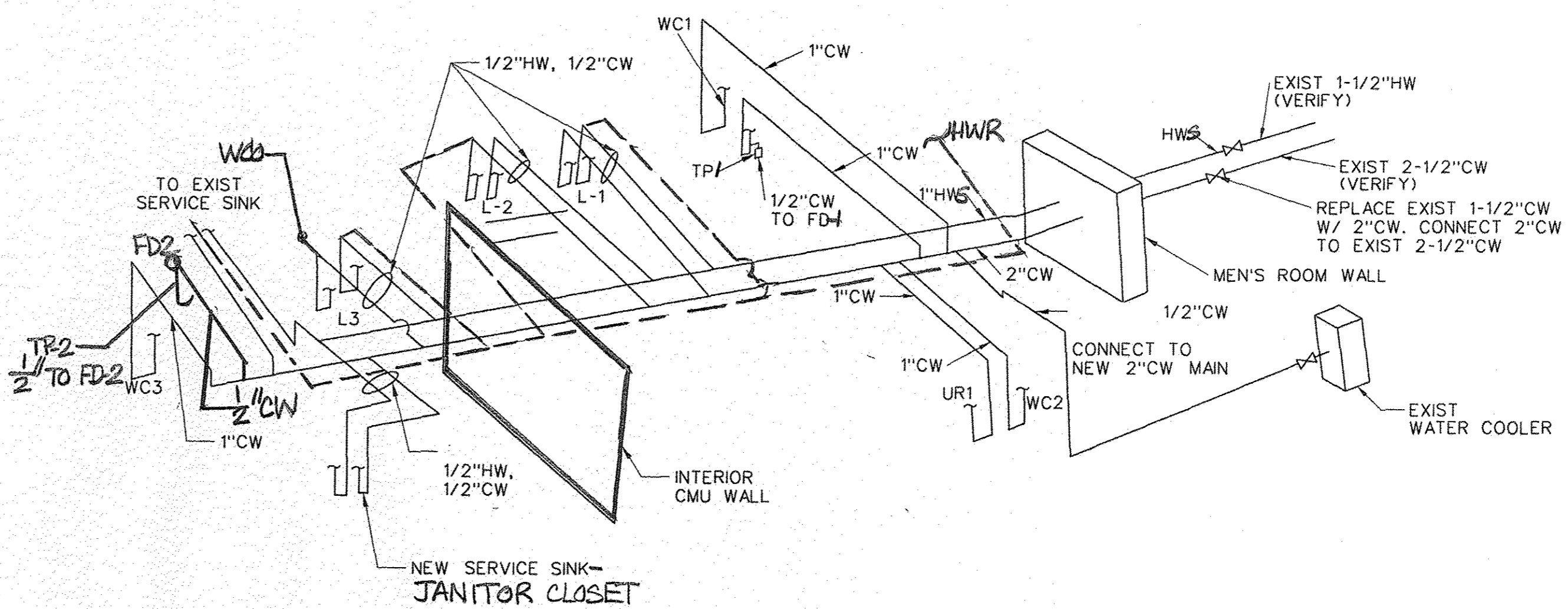
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA ARTCC <b>ADMIN BASEMENT RESTROOM MOD</b> <b>SANITARY WASTE/VENT, HOT AND</b> <b>COLD WATER PIPING NEW PLAN</b>					
FREMONT			OAKLAND CTR		CA
REVIEWED BY	<i>Woody Dias</i>		<i>Angela</i>		
PROJECT ENGINEER	MGR: ENGINEERING - LA		DATE 06/01/2015 JCN 905885		
DESIGNED	WD	ISSUED BY	ENROUTE/FSS	DRAWING NO	20A-D-ARTCC-P113
DRAWN	CGV	ENGINEERING SERVICES	ENROUTE/FSS	REV	
CHECKED					

ISSUED FOR CONSTRUCTION





WASTE AND VENT ISOMETRIC PIPING PLAN  
SCALE: NONE

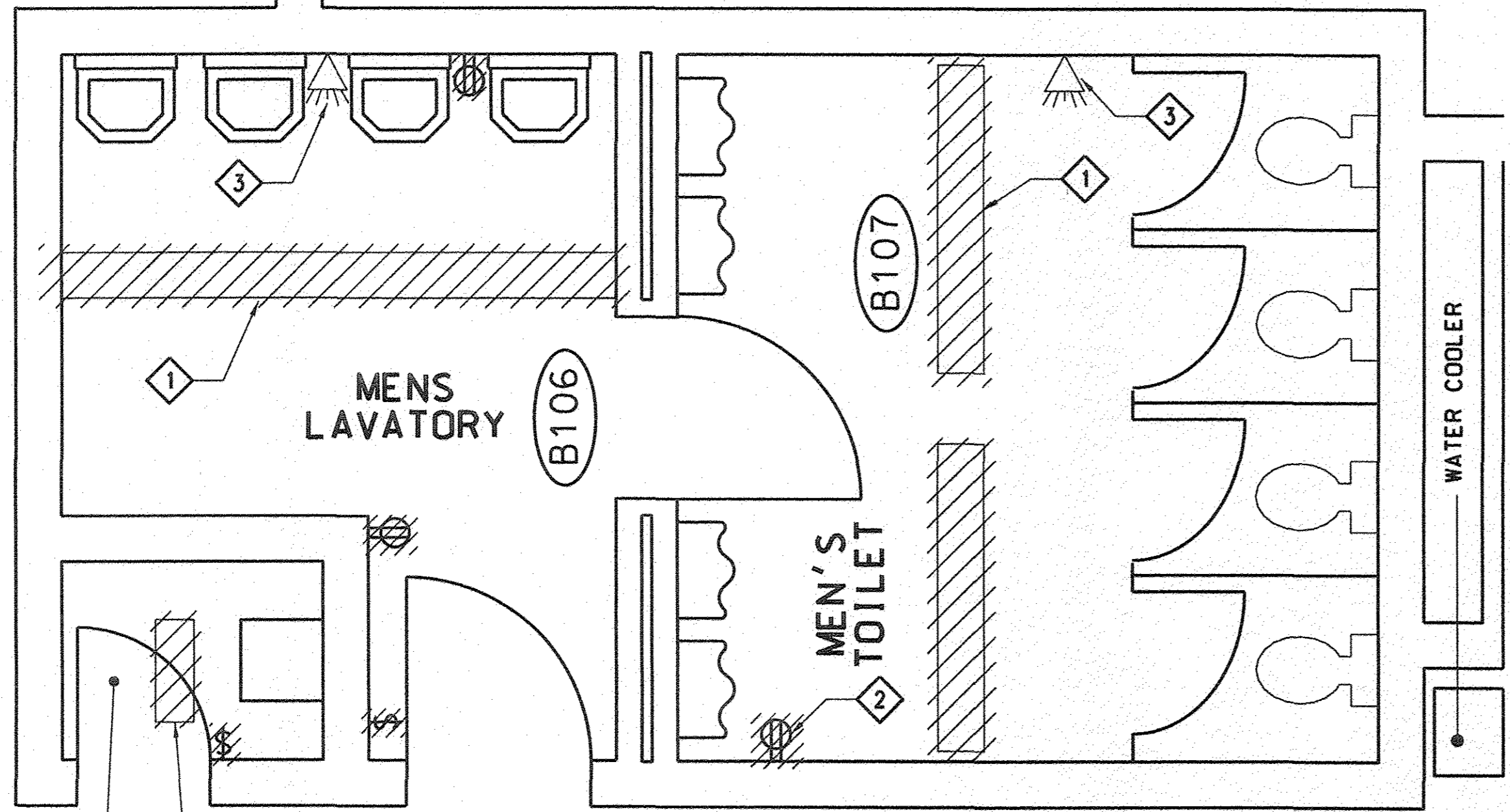


HOT AND COLD WATER PIPING ISOMETRIC  
SCALE: NONE

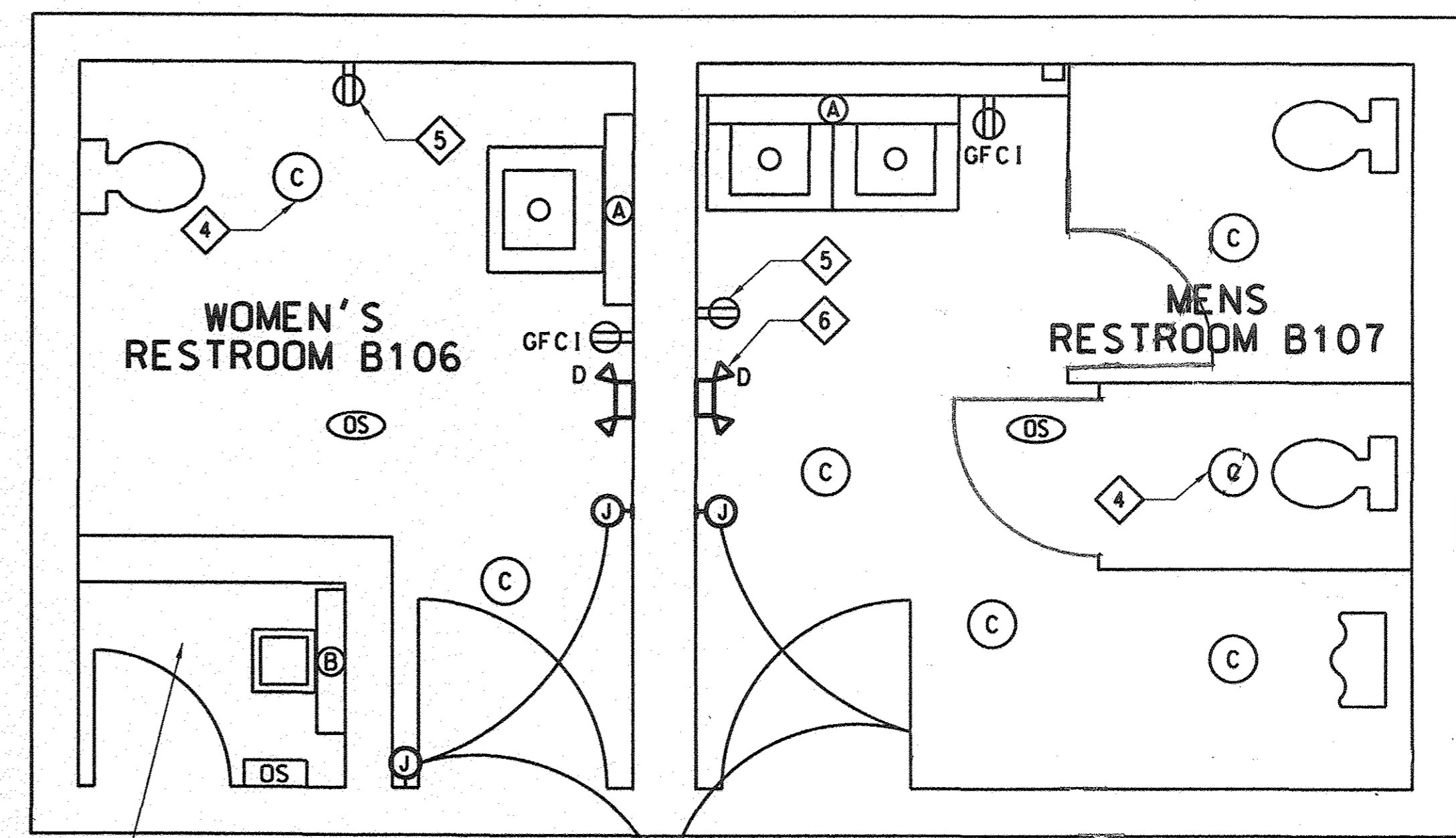
FD-1 FD-2	1) FLOOR DRAIN, CAST IRON BODY WITH NICKEL BRONZE ADJUSTABLE STRAINER HEAD AND TRAP PRIMER CONNECTION, SIZE 2".	
TP-1 TP-2	TRAP PRIMER VALVE, PRECISION PLUMBING PRODUCTS OR APPROVED EQUAL.	
SS-1	1) SERVICE SINK NOMINAL DIMENSIONS 24"x20" OF ENAMELLED CAST IRON WITH RIM GUARD, WALL HANGER AND DRILLED BACK. 2) FAUCET WITH VACUUM BREAKER	COLOR WHITE
WCO	WALL CLEANOUT WITH LEAD SEAL PLUG AND COVER.	
FCO	FLOOR CLEANOUT, CAST IRON BODY WITH ROUND ADJUSTABLE SCORIATED NICKEL BRONZE TO INSIDE CAULK OUTLET AND BRONZE PLUG	

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA <b>ARTCC</b> ADMIN BASEMENT RESTROOM MOD SANITARY WASTE/VENT, HOT AND COLD WATER PIPING ISOMETRIC FREMONT      OAKLAND CTR      CA					
REVIEWED BY	<i>Woody Dean</i>		<i>Paul K...</i>		
PROJECT ENGINEER	ISSUED BY	MGR: ENGINEERING - LA			
DESIGNED	WD	DATE	06/01/2015	JCN	905885
DRAWN	JKB	ENGINEERING SERVICES	DRAWING NO	ZOA-D-ARTCC-P114	
CHECKED	WD	ENROUTE/FSS	REV		

ISSUED FOR CONSTRUCTION



**CURRENT RESTROOMS FLOOR PLAN**  
SCALE: NOT TO SCALE



**ELECTRICAL POWER PLAN**  
SCALE: NOT TO SCALE

LEGEND	
ELECTRICAL SYMBOLS	
— (thin line)	LIGHT LINE WEIGHT INDICATES EXISTING WORK
— (thick line)	HEAVY LINE WEIGHT INDICATES NEW WORK
///	CROSS HATCHING OVERLAPPING DEVICES AND EQUIPMENT INDICATES DEMOLITION (UON)
○	LIGHTING FIXTURE
⊙	RECESSED CAN LIGHTS
⊙ (with battery)	RECESSED CAN LIGHTS WITH EMERGENCY BATTERY PACK
⌘	LIGHT SWITCH
OS	OCCUPANCY SENSOR WITH ON/OFF OVERRIDE
OS (ceiling)	OCCUPANCY SENSOR CEILING MOUNTED
⊕	DUPLEX RECEPTACLE
⊕ (with GFCI)	GROUND FAULT CIRCUIT INTERRUPTER
⊕ (with 4)	QUAD RECEPTACLE
⚡	STROBE LIGHT
⏏	EMERGENCY LIGHT

LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURE	CATALOG NUMBER	NUMBER & SIZE LAMP		MOUNTING	VOLTAGE	BALLAST	REMARKS
			FLUORESCENT					
A	LITHONIA	RV6-35-10-R06-AR-277	LED		RECESSED	277V		
B	LITHONIA	C-232-277-GEB10RS-WG	2-F32TB		SURFACE OR SUSPENDED	277V	ELECT BALLAST GEB10	WITH WIREGUARD
C	VISA LIGHTING	CB6446-1F539 (MVOLT) SNA	FP398354HD		WALL	277V		
D	LITHONIA	ELM2/LED/SD	LED		WALL	277V		

**GENERAL NOTES:**

- A. EXTREME CAUTION MUST BE PRACTICED WHEN WORKING ON ANY OF THE ELECTRICAL POWER SYSTEMS (CRITICAL ESSENTIAL AND BUILDING SERVICE) AS THIS IS A FULLY OPERATIONAL AIR ROUTE TRAFFIC CONTROL CENTER AND ANY UNAUTHORIZED ELECTRICAL OUTAGE MAY CAUSE ACCIDENTS AND OR LOSS OF LIVES.
- B. NO UNSCHEDULED INTERRUPTIONS WILL BE TOLERATED. ALL WORK REQUIRING TEMPORARY OR PARTIAL ELECTRICAL POWER OUTAGES MUST BE SCHEDULED IN WRITING 14 CALENDAR DAYS IN ADVANCE. ONLY FAA PERSONNEL ARE ALLOWED TO OPERATE POWER PANELS.
- C. EACH BRANCH CIRCUIT SHALL HAVE ITS OWN SEPARATE NEUTRAL AND GROUNDING CONDUCTORS. USE OF COMMON/SHARED NEUTRAL OR GROUNDING CONDUCTOR IS NOT PERMITTED.
- D. FLUORESCENT LIGHTING FIXTURES HAVE BALLASTS WHICH MAY CONTAIN PCB MATERIAL. REMOVE EACH BALLAST FROM EACH FIXTURE AN DISPOSE OF BALLAST AS RECYCLED ELECTRONIC WASTE.
- E. CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHTING WHEN TAKING ELECTRICAL PANELS OUT OF SERVICE FOR AN EXTENDED TIME. CONTRACTOR SHALL COORDINATE THIS WORK WITH COR.

**SHEET NOTES:**

- 1 REMOVE LIGHT FIXTURES, WIRES AND SWITCHES ALL THE WAY BACK TO THE POWER SOURCE.
- 2 REMOVE RECEPTACLES AND BRANCHED CIRCUITS ALL THE WAY BACK TO THE POWER SOURCE.
- 3 PROTECT EXISTING STROBE LIGHTS IN PLACE. EXISTING STROBE LIGHTS TO REMAIN.
- 4 PULL NEW 2#12, #12GND WIRES FROM EXISTING PANEL BA-1 FOR LIGHTS REUSE EXISTING CIRCUIT. PROVIDE TEMPORARY LIGHTS IN THE BASEMENT DURING THE CUTOVER AND SHUTDOWN OF PANEL BA-1. SHUTDOWN OF PANELS SHALL BE DONE AFTER HOURS. COORDINATE WITH THE COR FOR THIS PART OF THE WORK.
- 5 PULL NEW 2#12, #12GND FROM EXISTING PANEL W FOR RECEPTACLES REUSE EXISTING CIRCUIT.
- 6 USE EXISTING SPARE BREAKER IN PANEL BA-1 FOR EMERGENCY LIGHTS PULL 2#12, #12GND IN 3/4" C FOR POWER.
- 7 INSTALL CONDUITS AND J-BOXES WITH COVER PLATES FOR FUTURE HANDICAP DOOR OPENER. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF J-BOXES IN THE FIELD AND VERIFY THIS PART OF THE WORK WITH COR.

REV		APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION <b>FEDERAL AVIATION ADMINISTRATION</b> ATO - TECHNICAL OPERATIONS      WESTERN SERVICE AREA <b>ARTCC</b> <b>ADMIN BASEMENT RESTROOM MOD</b> <b>ELECTRICAL DEMOLITION AND POWER PLAN</b>						
FREMONT		OAKLAND CTR		CA		
DESIGNED BY	<i>Woody Dean</i>		ISSUED BY	<i>Roy Little</i>		
PROJECT ENGINEER	DATE	06/01/2015		JCN	905885	
DRAWN	WD	ENGINEERING SERVICES	DRAWING NO	ZOA-D-ARTCC-E155		
CHECKED	JKB	ENROUTE/FSS	REV			

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