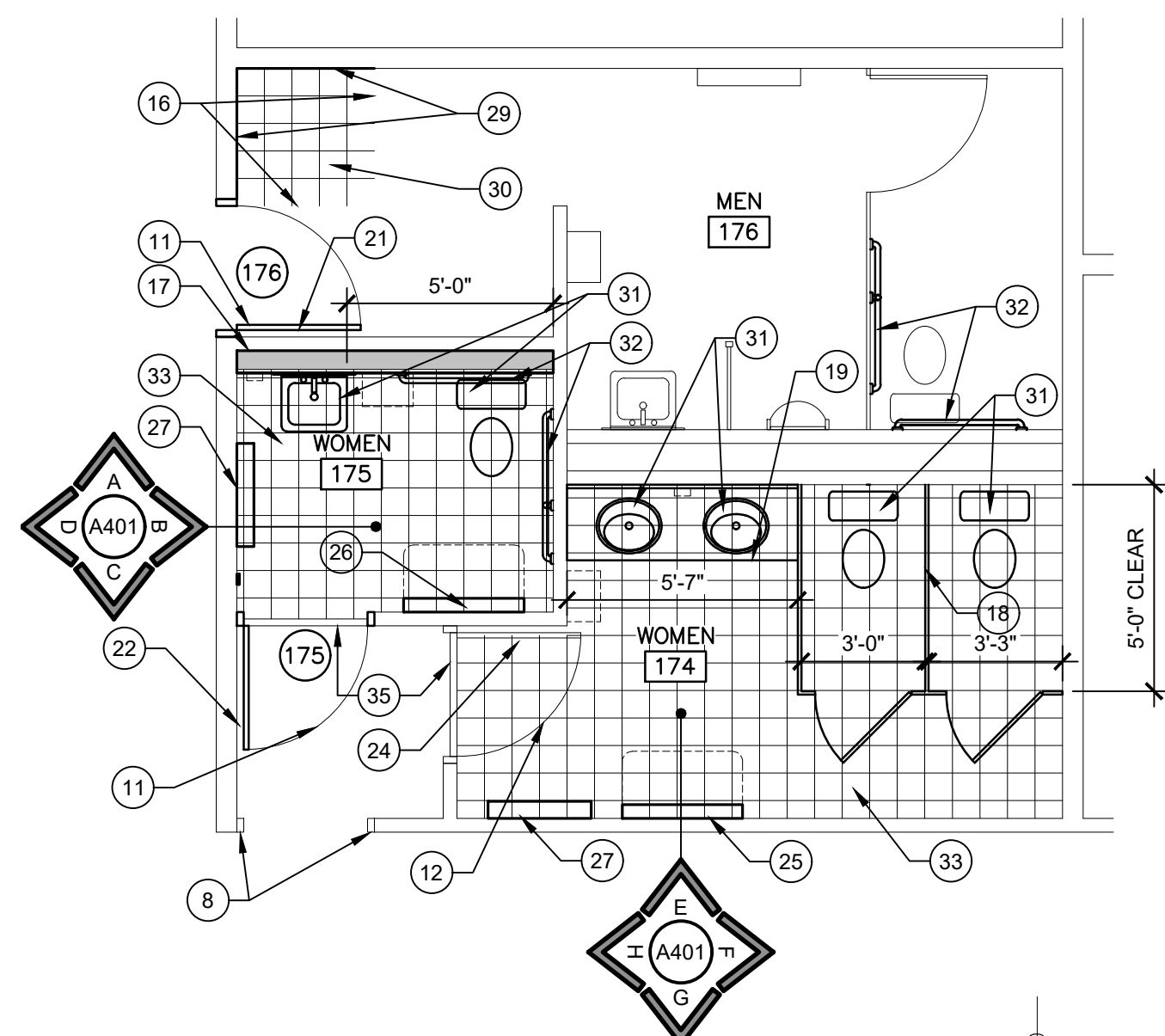
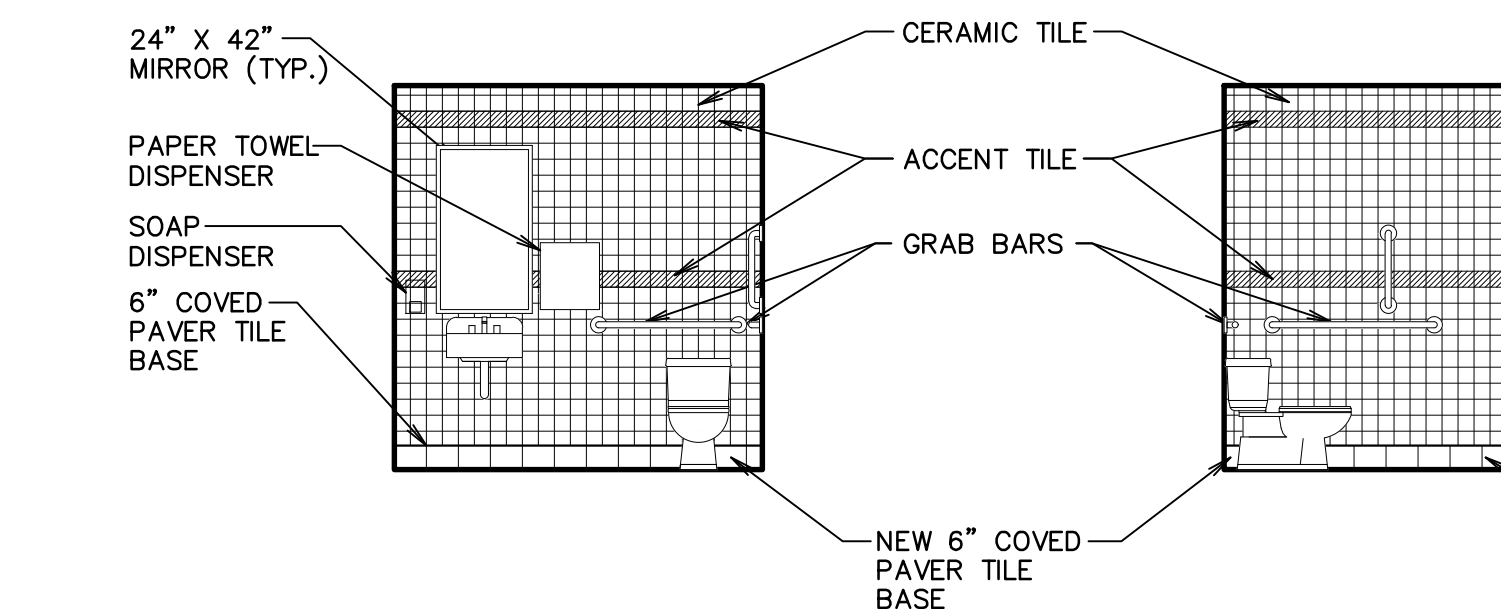


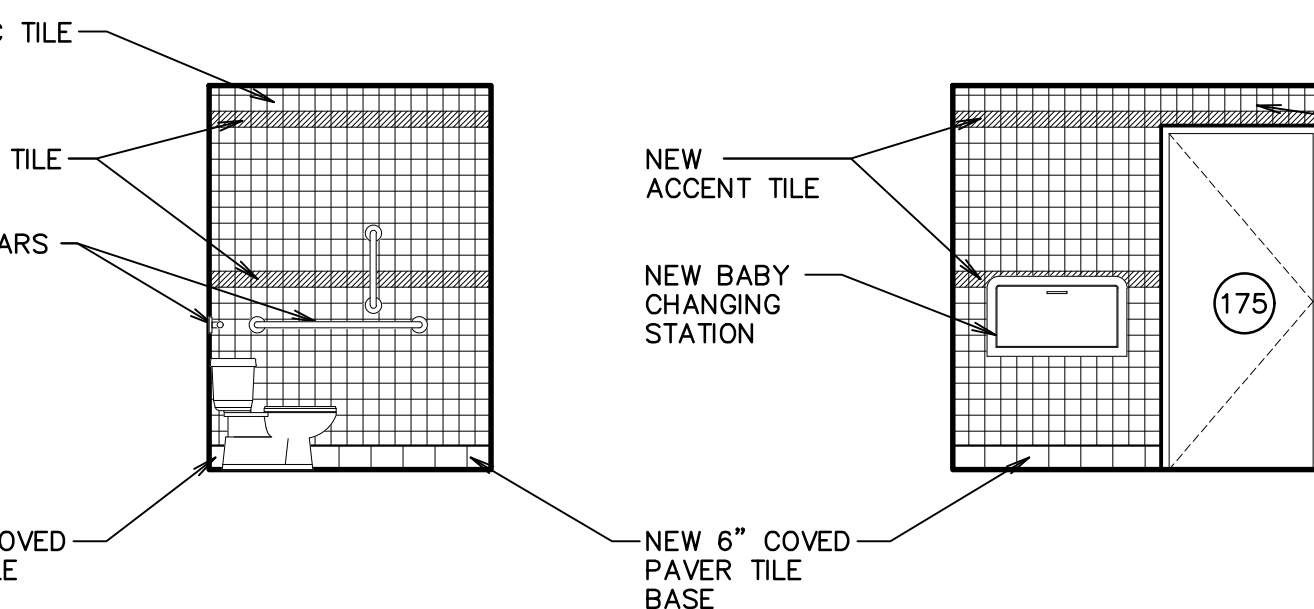
1 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



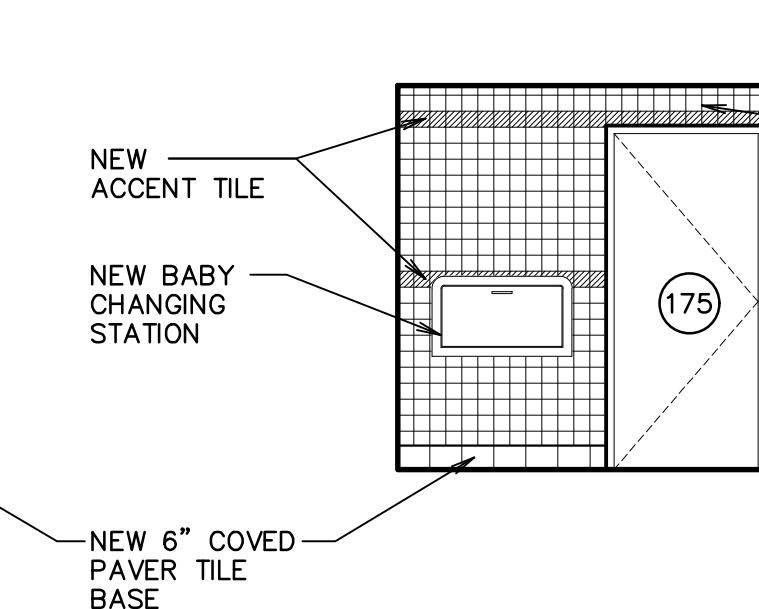
2 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



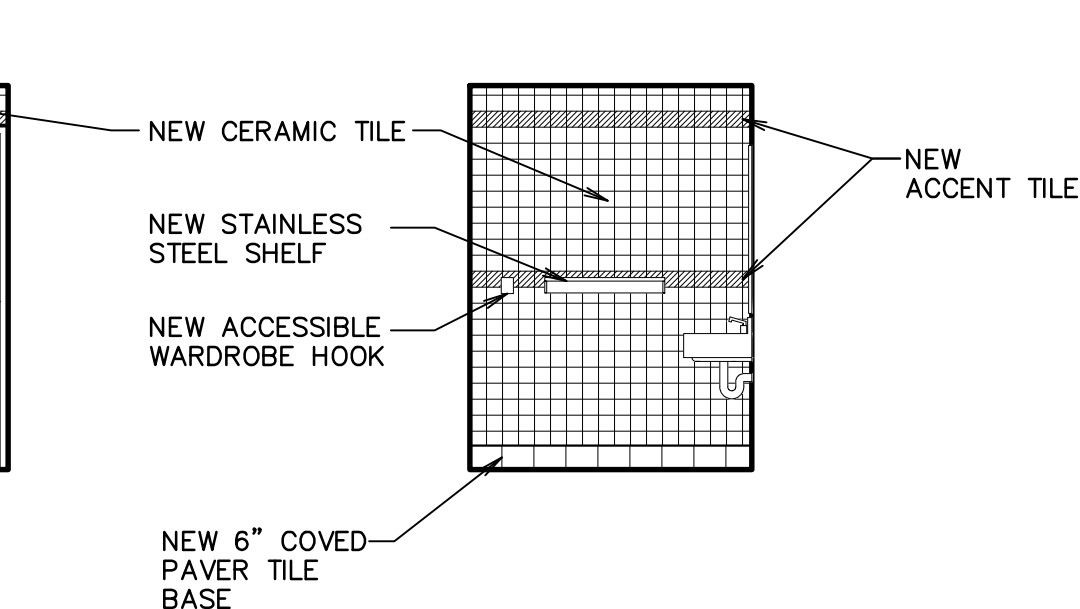
A ELEVATION
SCALE: 1/4" = 1'-0"



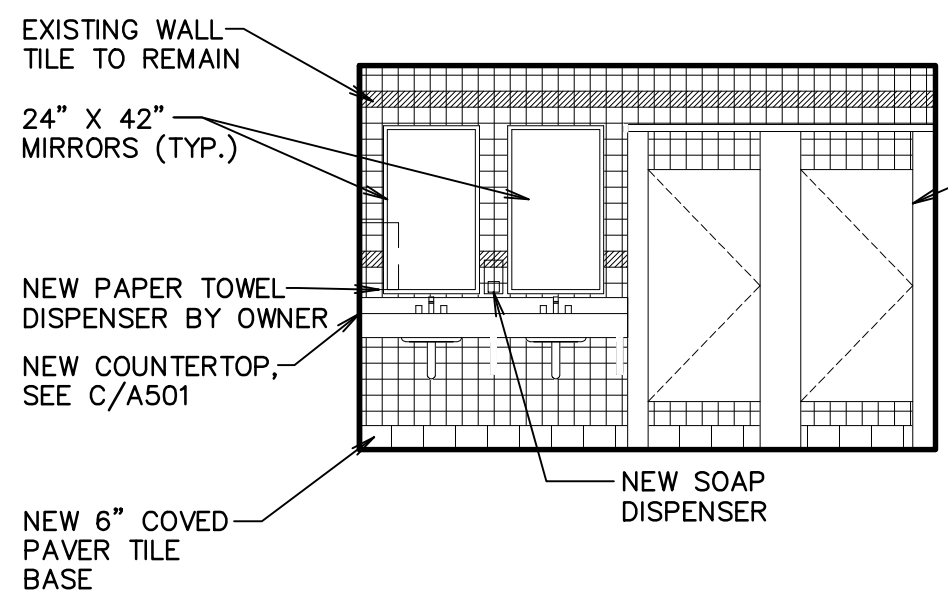
B ELEVATION
SCALE: 1/4" = 1'-0"



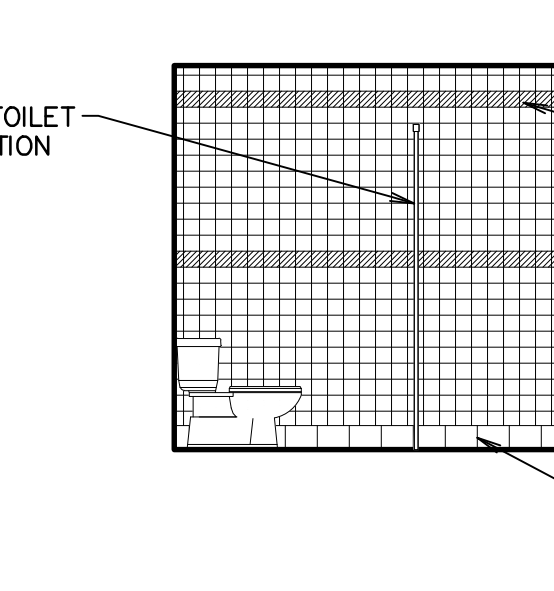
C ELEVATION
SCALE: 1/4" = 1'-0"



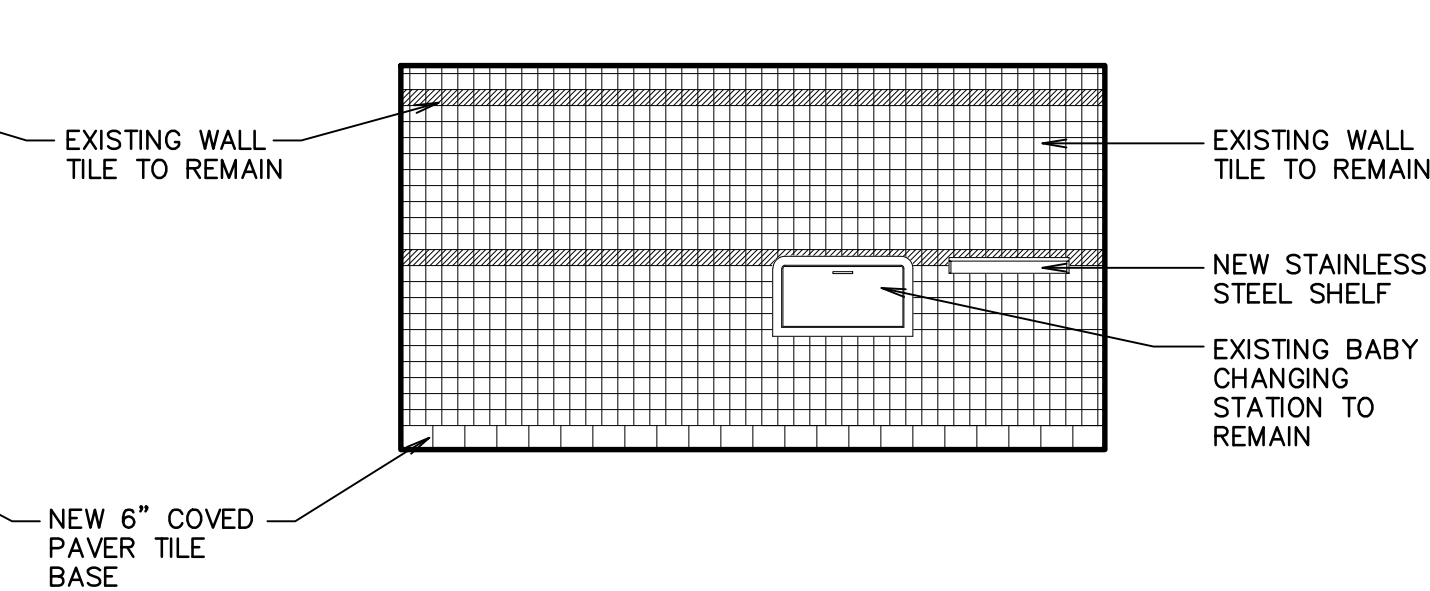
D ELEVATION
SCALE: 1/4" = 1'-0"



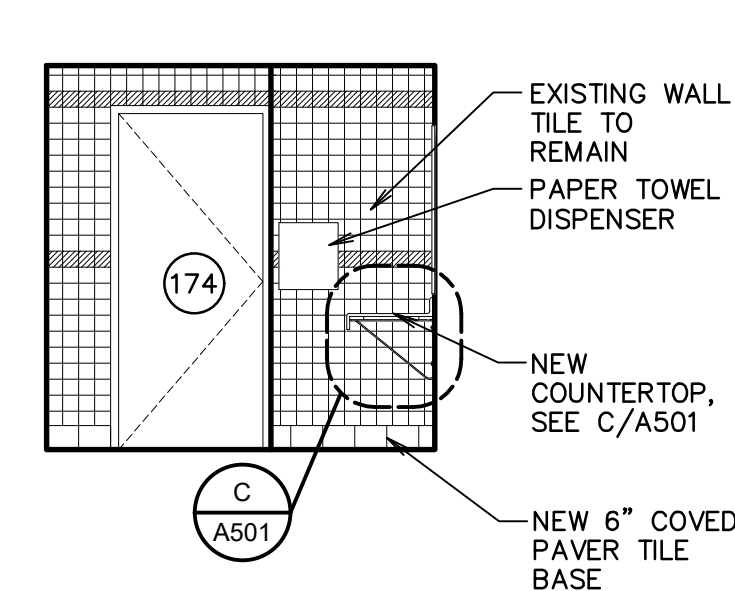
E ELEVATION
SCALE: 1/4" = 1'-0"



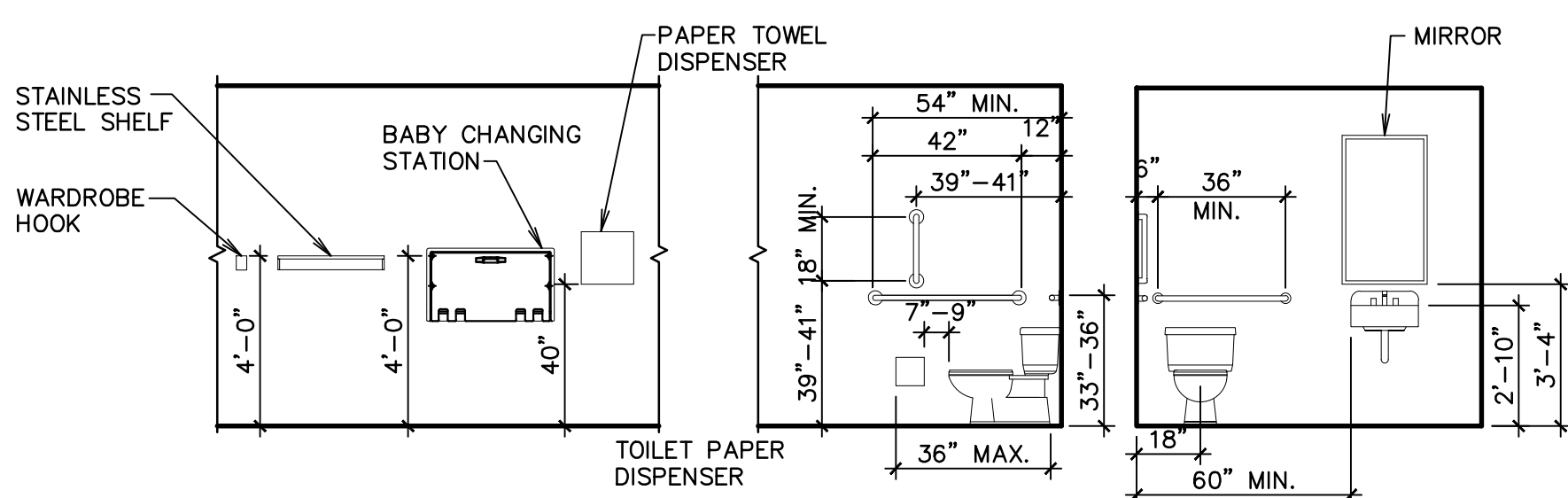
F ELEVATION
SCALE: 1/4" = 1'-0"



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



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



J TYPICAL ACCESSORY MOUNTING LOCATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A. The Contractor shall verify all existing site conditions prior to bidding.
- B. All noted items are new unless noted otherwise.
- C. This and any other demolition drawings are not intended to be all-inclusive, nor to define the scope of all demolition work required for this Project. Demolition drawings are shown only to aid the Contractor in preparing his bid and performing the work. Contractor shall examine all Contract Documents and visit the site during bidding as required to determine the total extent and scope of the demolition portion of this work. All items that are not required to remain shall be of the demolition work whether shown specifically or not. The Contractor shall be responsible for all demolition work required to carry out the work as shown in the Contract Documents.
- D. For plumbing fixtures and floor drains, see Plumbing Sheets.
- E. Remove existing finishes (tile floor, tile wall, carpet, base, etc.) as necessary to install new finishes.
- F. Trim doors as necessary to accommodate new stone thresholds.
- G. Patch all existing painted surfaces to remain in rooms affected by construction. (Brick, door frames, ceilings, etc.)
- H. Patch ceilings as necessary in rooms 174, 175, and 176.
- I. Patch brick walls disturbed by construction with brick to match existing.
- J. In Women 174, existing wall tile shall remain. Clean existing sealant and other deleterious items from tile after demolition work. Patch as necessary or replace wall tile to match where wall tile has been affected by construction.
- K. In Women 175, new wall tile shall match existing wall tile in Women 174.

WORK BY OWNER

- 1. Provide and install paper towel, toilet tissue, and soap dispensers.
- 2. Provide baby changing station. (Installed by contractor)
- 3. HVAC Test & Balance.
- 4. Provide door signage per Keyed Notes 21 and 22 (installed by contractor).

ITEMS SALVAGED TO OWNER

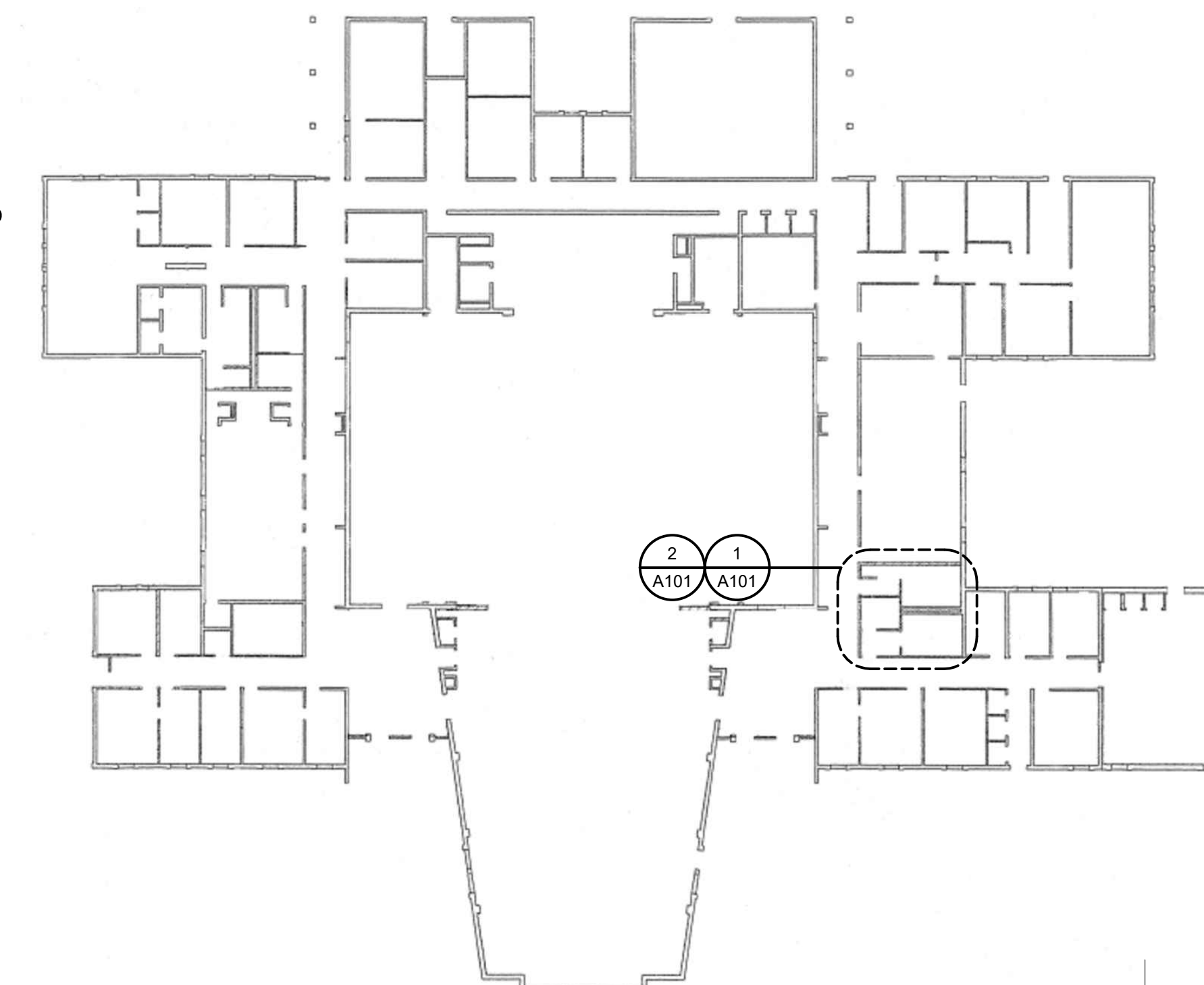
- 1. Door signs that are not reused.
- 2. Existing removed restroom dispensers.

DRAWING INDEX

ARCHITECTURAL
A101 DEMOLITION PLAN, NEW PLAN, AND INTERIOR ELEVATIONS
A501 AND DETAILS
PLUMBING
P101 PLUMBING DEMOLITION PLANS AND NEW PLANS
MECHANICAL
M101 MECHANICAL DEMOLITION PLANS AND NEW PLANS
ELECTRICAL
E101 ELECTRICAL DEMOLITION PLAN AND ELECTRICAL PLAN

KEYED NOTES

- 1. Remove existing door and hardware. Existing door frame to remain.
- 2. Remove existing door, frame, and hardware.
- 3. Remove existing mirror.
- 4. Remove existing metal toilet partitions.
- 5. Sawcut and remove portion of existing brick wall to allow the installation of the new door frame.
- 6. Remove existing plumbing fixture. Refer to Plumbing Sheets.
- 7. Remove existing chair rail and wall sisal throughout Room 175.
- 8. Existing door frame to remain. Fill strike and hinge holes/spaces, sand smooth, and repaint entire door frame.
- 9. Remove existing carpet and base.
- 10. Remove sound controls.
- 11. New door and welded, solid-grouted frame.
 - a. 3'-0" wide x 6'-8" tall door (verify to match opening height)
 - b. 3 hinges
 - c. Smoke gaskets
 - d. F-76 lockset
 - e. Kick plate
 - f. Closer
 - g. Wall stop
- 12. Existing door and frame to remain.
- 13. Remove existing floor tile and base throughout Women 174.
- 14. Remove existing grab bar.
- 15. Sawcut existing concrete floor and repair as necessary for plumbing work.
- 16. Patch ceilings at all locations where items have been removed or modified. Match existing texture, paint, and sheen.
- 17. New plumbing wall with 2x6 wood studs at 16" on center and 5/8" tile backer on one side.
- 18. New metal toilet partitions.
- 19. New countertop. Refer to Sheet A501.
- 20. Remove door sign and salvage to Owner.
- 21. New door sign ("Men" text, men symbol, and symbol of accessibility) provided by Owner and installed by Contractor.
- 22. New door sign ("Women" text, woman symbol, and symbol of accessibility) provided by Owner and installed by Contractor.
- 23. Remove existing door sign.
- 24. Install existing door sign on this door.
- 25. Existing baby changing station to remain.
- 26. New baby changing station.
- 27. New stainless steel shelf.
- 28. Remove existing countertop.
- 29. Install new wall tile to match existing where closet was removed.
- 30. Install new floor tile to match existing where closet was removed.
- 31. New plumbing fixture. See Plumbing Sheets.
- 32. New accessible grab bars.
- 33. New 8" x 8" paver floor tile with 6" x 8" paver cove base.
- 34. Remove existing wall.
- 35. New stone threshold.



3 KEY PLAN
SCALE: NOT TO SCALE

DATE	20 Jun 2018
DESCRIPTION	Bill Documents
DRAWING ISSUE SCHEDULE	
#	
1	

DATE	20 Jun 2018
DESCRIPTION	Bill Documents
DRAWING ISSUE SCHEDULE	
#	
1	

ARCHITECTS

65 E. Wadsworth Park Dr., Ste. 205 Phone: 801.571.0010
 Draper, Utah 84020 Fax: 801.571.0033
 Toll Free: 888.571.0010
 bbaarchitects.com

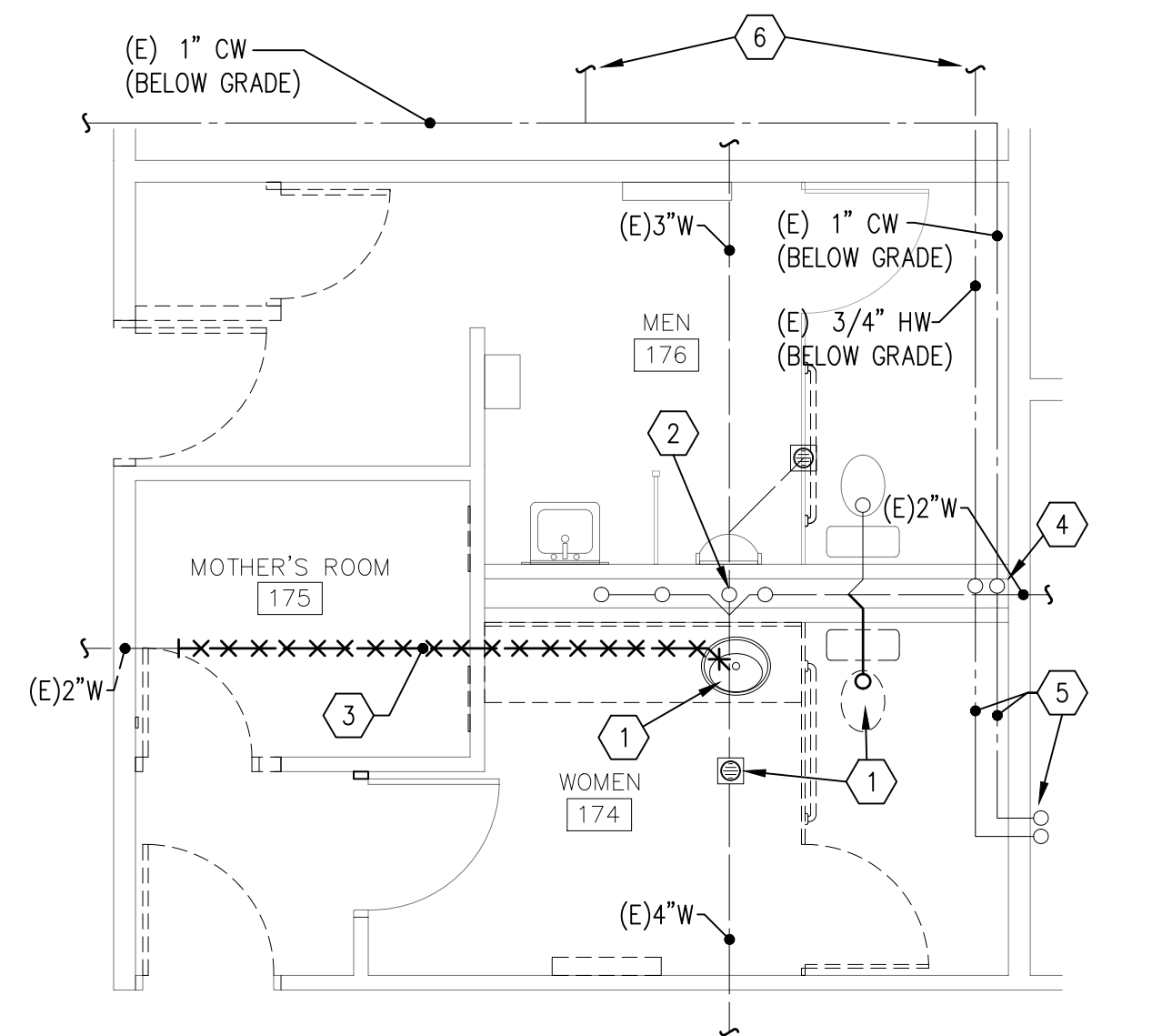
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Orchard 3, 7, Geneva Heights 8 Orem Utah Orchard Stake

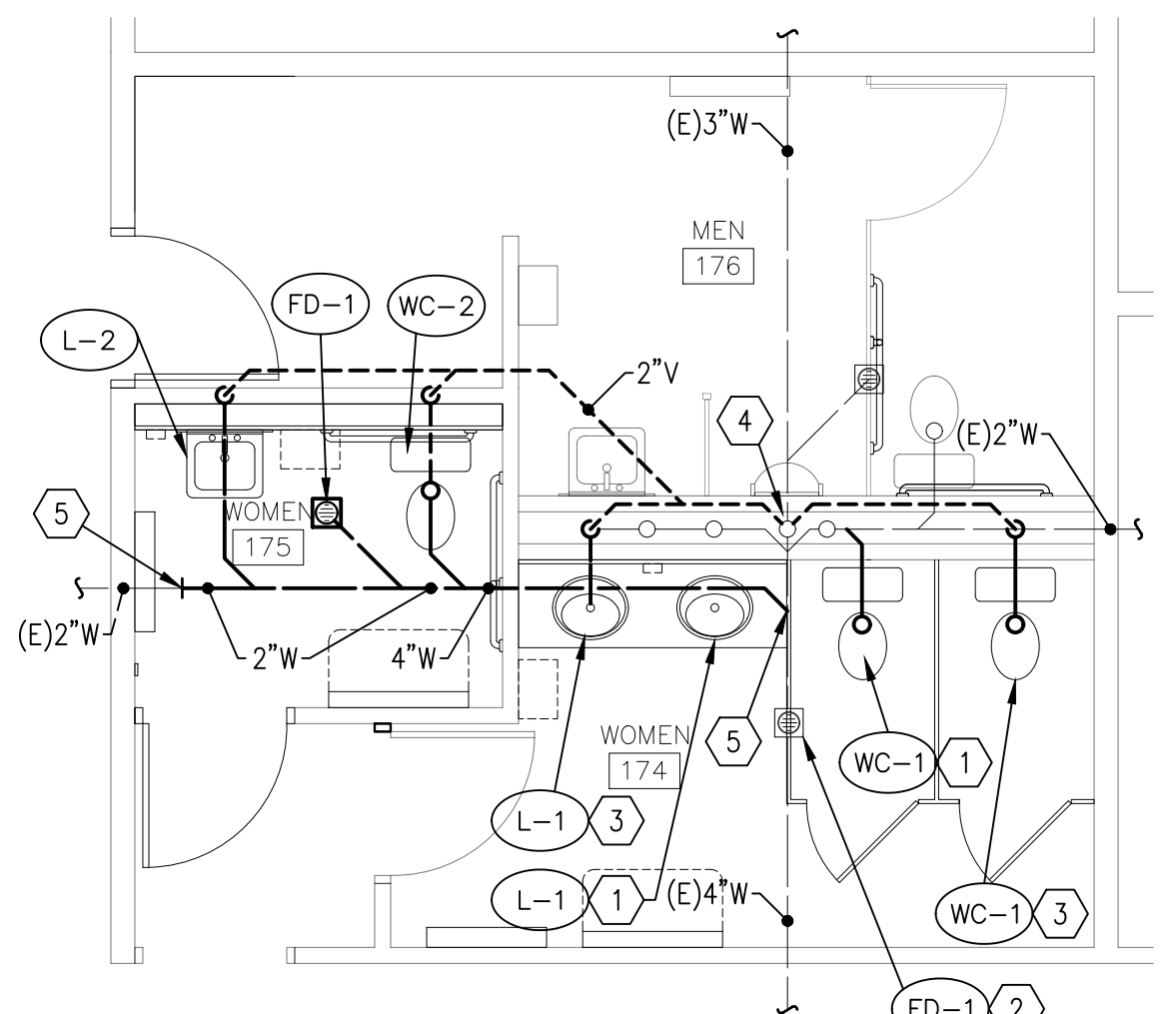
810 East 600 North Orem, Utah
 BIDD PROJECT # 1815
 PLAN SERIES 506-3558
 PROPERTY # 506-3558

DEMOLITION PLAN, NEW PLAN, AND INTERIOR ELEVATIONS

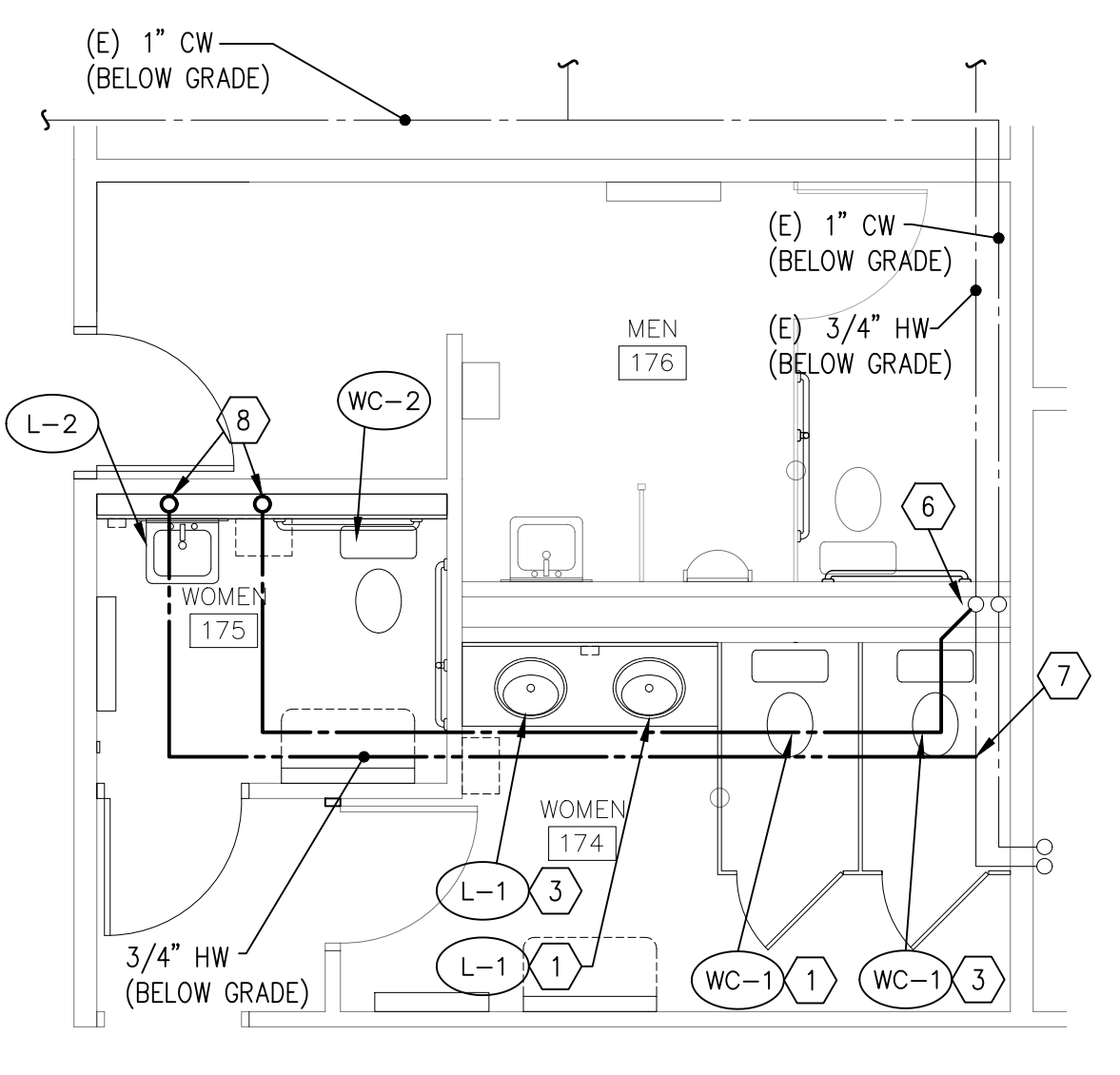
A101



1 ENLARGED PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED WASTE AND VENT PLAN
SCALE: 1/4" = 1'-0"



3 ENLARGED DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

Relocate or remove and reinstall, any piping or plumbing fixtures or devices which are encountered during demolition which conflict with the new construction or which are to accommodate the new construction. The piping, devices, or fixtures are to be relocated to accommodate the new construction and service shall be maintained for its function. Remove device covers or fixtures which conflict with the new construction and reinstall the same after other trades have completed their work.

① When mounted per Architectural Elevations, ADA accessibility requirements are satisfied.

MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-1	Water Closet	INT.	4"	2"	1/2"	-	Flush tank, HET (high efficiency toilet)
WC-2	Water Closet	INT.	4"	2"	1/2"	-	Flush tank, 18" rim height (ADA approved), HET
L-1	Lavatory	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	Counter top 20"x17", See Architectural Elevations
L-2	Lavatory	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	Self supporting 20"x18", see Architectural Elevations
FD-1	Floor Drain	2"	2"	2"	-	-	With deep seal p-trap and trap seal. See detail C/P502

GENERAL PLUMBING NOTES

- If contractor encounters material that may contain asbestos, he shall immediately stop work in this area and notify owner.
- Existing pipe locations and pipe sizes show have been taken from existing drawings. Contractor is to field determine exact size, elevation and location of existing piping inside the building at specified connection points prior to starting any work.
- Saw cut or core drill all new penetrations through existing masonry construction.
- Patch and repair all existing surfaces damaged by new construction to match existing.
- Demolition - General:
 - Remove all related piping and appurtenances.
 - Remove branch piping completely and cap in main.
 - Patch and repair all existing surfaces (wall, roof, floor, ceiling, etc.)
- Remodel - General:
 - Conceal all piping equipment, and appurtenances unless otherwise noted.
 - Remove existing surfaces (wall, roof, floor, ceiling, etc.) as required and replace to match existing.
- Refer to Mechanical Drawings for any additional work.
- All plumbing shall comply with the most stringent of applicable codes, ordinances, or the Specifications.
- All fixtures shall be properly vented to the atmosphere.
- For individual line sizes to fixtures, see Fixture Schedule.
- Due to the close proximity of the water, drain, and vent piping as well as ductwork, equipment, and HVAC piping, the plumbing contractor shall coordinate the installation with the mechanical and sheet metal contractors.
- Protect all plumbing piping which is to remain during all construction activities.
- Minimum size of piping below slab shall be 3/4".

PLUMBING DEMOLITION NOTES

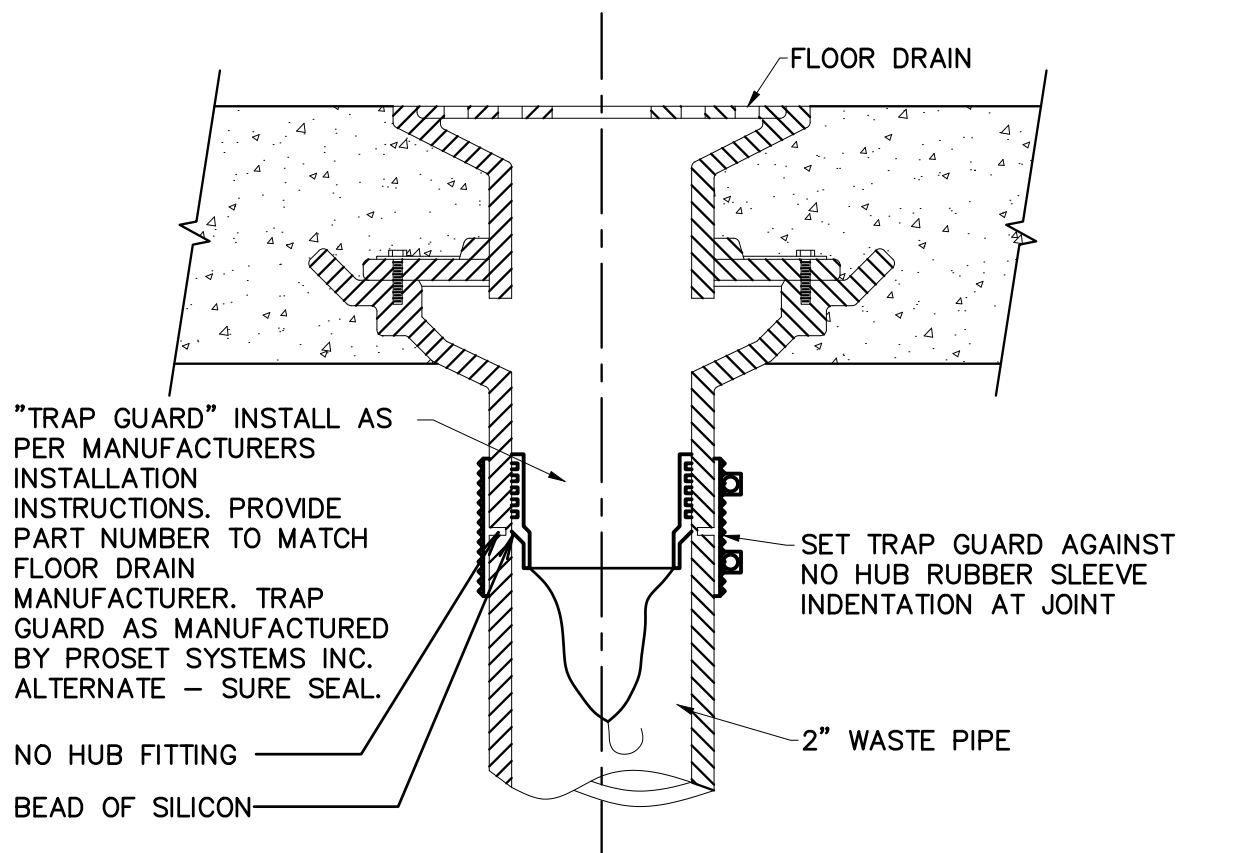
- Remove existing plumbing fixture. Remove related waste, vent, and supply piping back to mains and cap. Refer to new plumbing plans for new piping connections. Field verify all existing locations.
- Existing 4" vent through roof to remain.
- Remove existing 2" waste piping as shown for replacement and re-sizing.
- Existing 1" CW and 3/4" HW up in plumbing chase.
- Existing 3/4" CW and HW to existing water heater (routed below grade).

PLUMBING KEYED NOTES

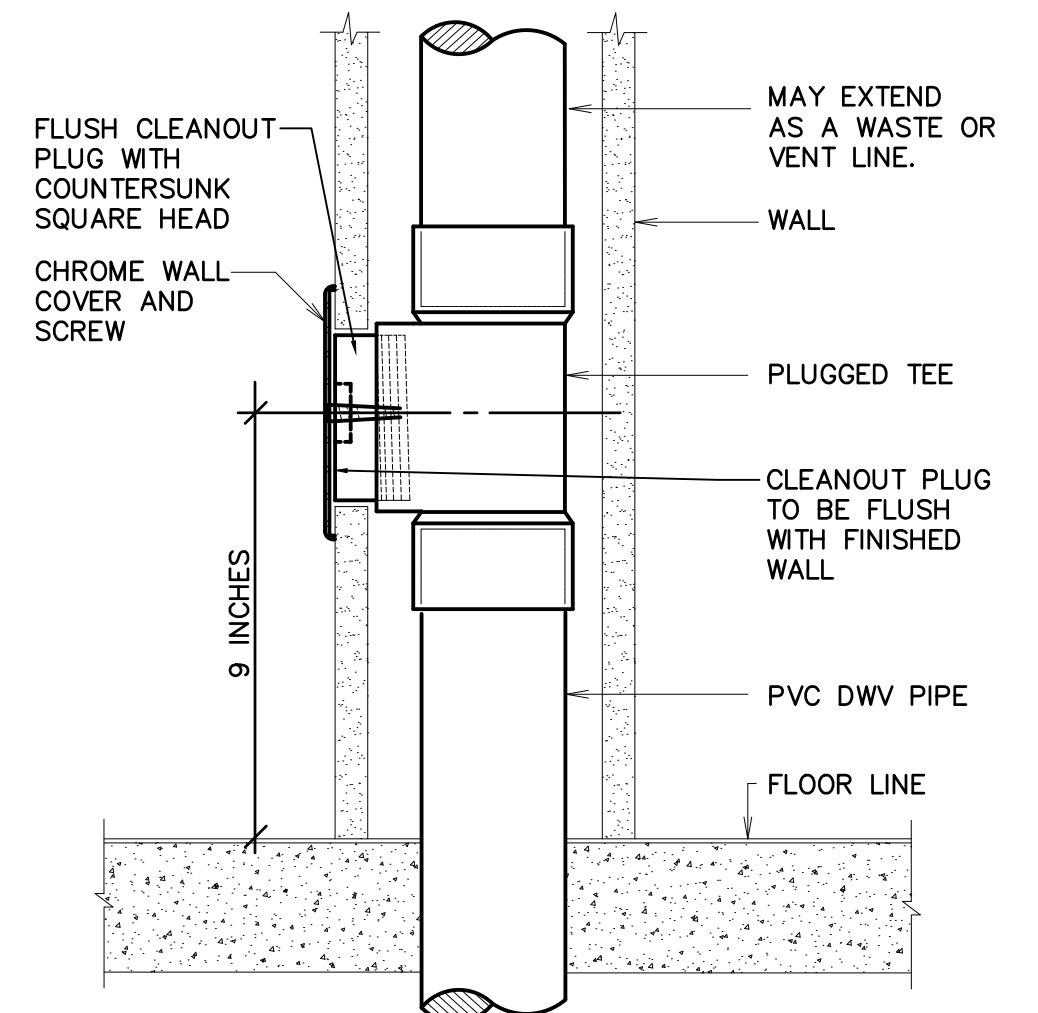
- Install new fixture. Reconnect to existing waste, vent, and supplies.
- Install new floor drain. Reconnect to existing waste.
- Install new fixture. Connect new waste, vent, and supplies to existing mains at plumbing wall.
- Connect new 2" vent to existing 4" VTR.
- Connect new waste to existing waste at this location.
- Connect new 3/4" CW to existing 1" main and route as shown below grade.
- Connect new 3/4" HW to existing 3/4" HW below grade.
- 3/4" CW and HW up in new plumbing wall.

PLUMBING LEGEND

SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION	MEANING
HOT WATER LINE	---	WALL CLEANOUT	WCO
COLD WATER LINE	----	CLEANOUT	CO
VENT LINE	----	FLOOR CLEANOUT	FCO
WASTE LINE	----	BALL VALVE	⊕
VENT THRU ROOF	VTR	UNION	— — —
EXISTING PIPE TO BE REMOVED	××××	EXISTING FIXTURE TO BE REMOVED	⊕



A TRAP GUARD TRAP SEAL DETAIL
SCALE: NOT TO SCALE



B WALL CLEANOUT DETAIL
SCALE: NOT TO SCALE

DRAWING REVISION SCHEDULE

#	DATE	DESCRIPTION
1	20 Jun 2018	Bid Documents

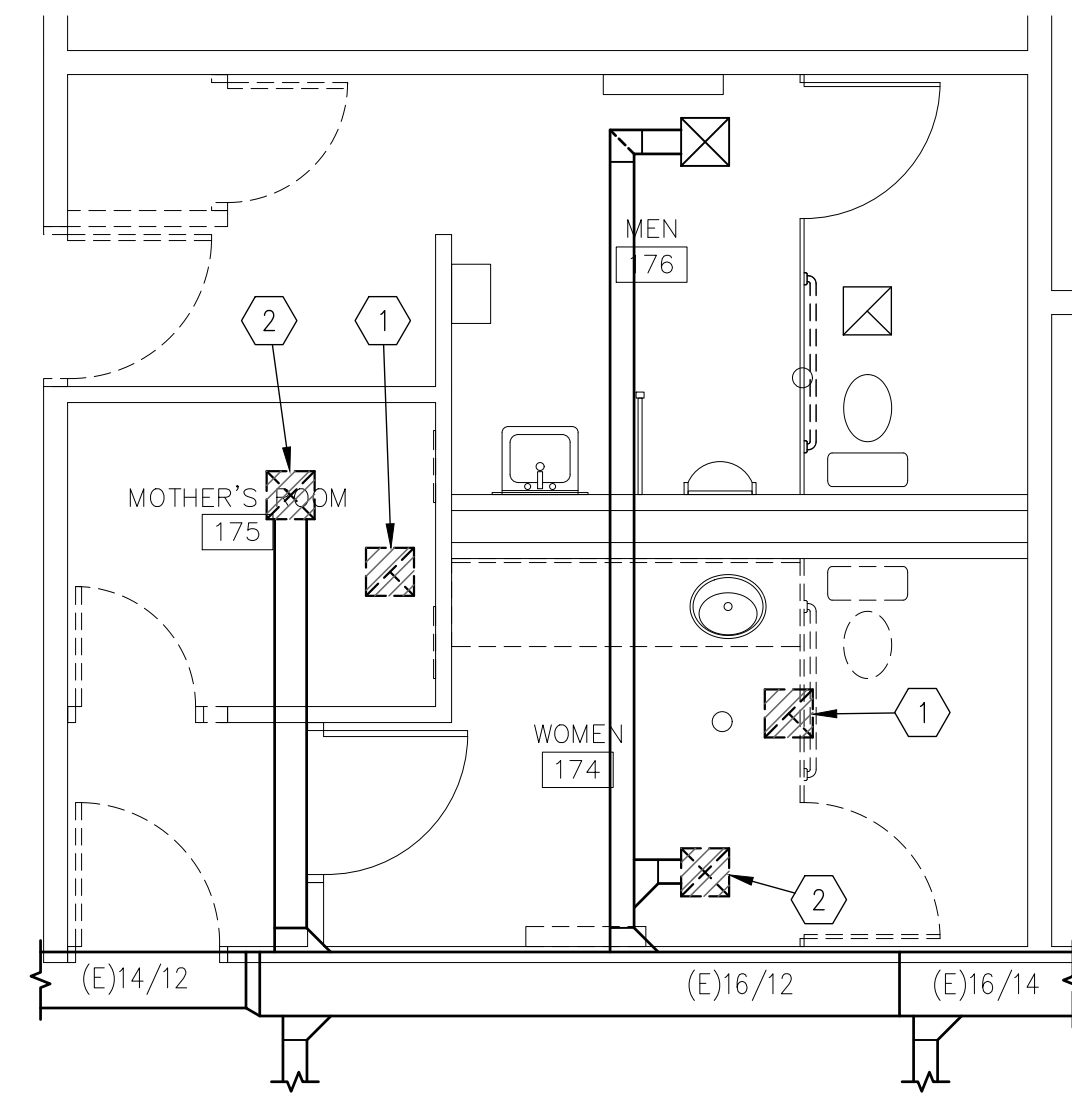
PROJECT FOR: THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
Orchard 3, 7, Geneva Heights 8 Orem Utah Orchard Stake

ARCHITECTS: bba ARCHITECTS
65 E. Wadsworth Park Dr., Ste. 205 Draper, Utah 84020
Phone: 801.571.0010 Fax: 801.571.0033
Toll Free: 888.571.0010 bbaarchitects.com

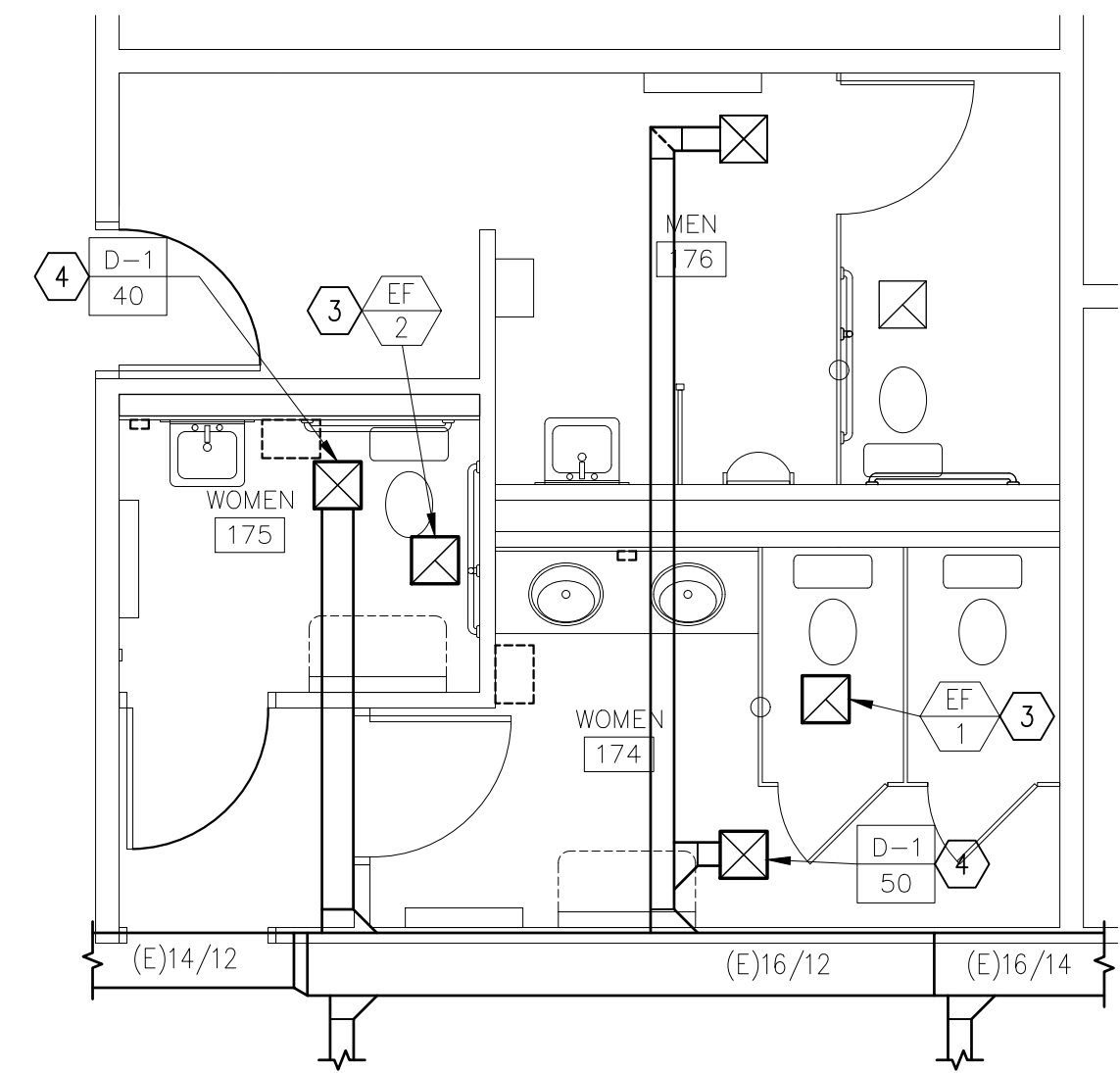
PROPERTY # 506-3558
PLAN SERIES 1815

DATE: 20 Jun 2018
BIDD PROJECT # 1815

SHEET TITLE: PLUMBING DEMOLITION PLANS AND NEW PLANS
SHEET: P101



1 ENLARGED MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

Relocate/or remove and reinstall, ducts, piping, grilles, dampers, louvers, fixtures, or any other Mechanical equipment or devices which are encountered during demolition which conflict with the new construction or which are to accommodate the new construction. Any equipment, piping, grilles, dampers, louvers, or fixtures to remain shall be reinstalled at the completion of this work.

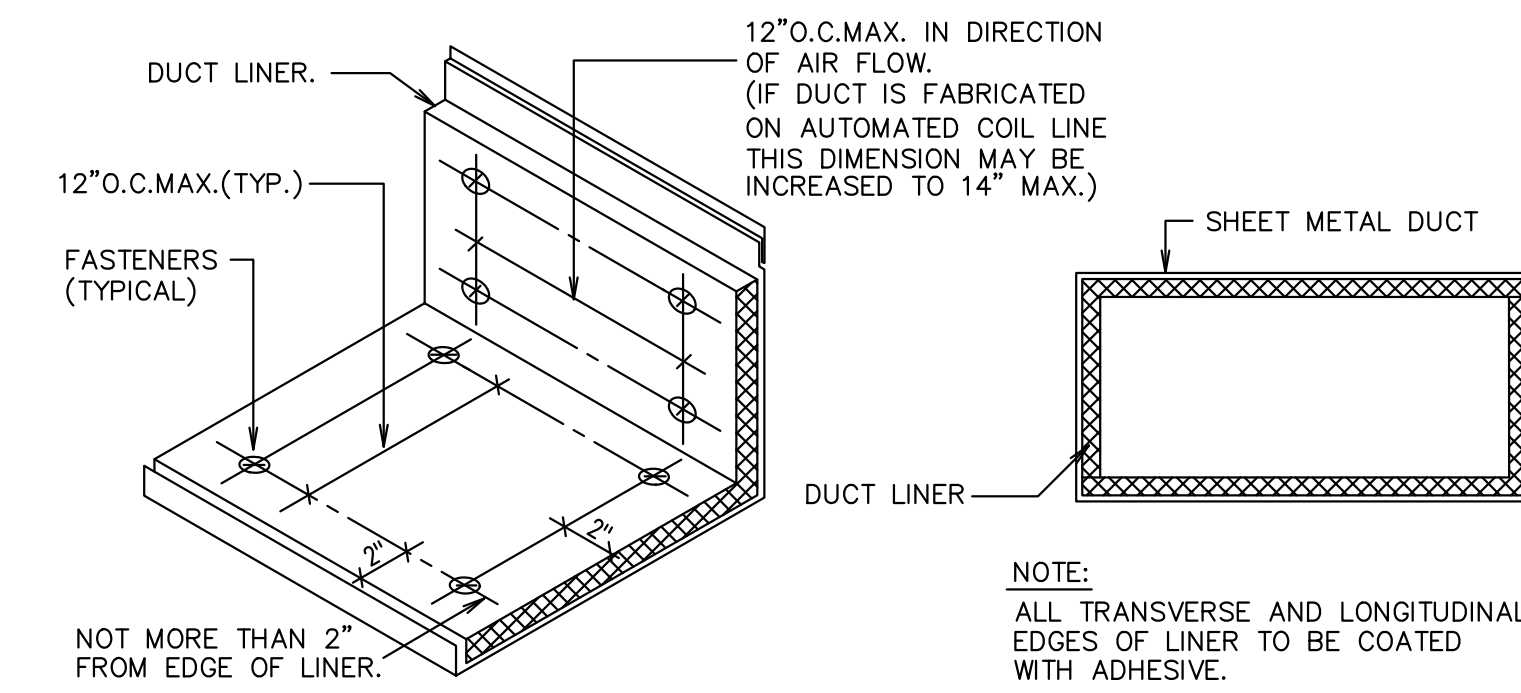
REGISTER, LOUVER, & GRILLE SCHEDULE					
MARK	TYPE	SERVICE	CFM RANGE ①	NOMINAL SIZE	REMARKS ③
DG-1	DOOR GRILLE	TRANSFER AIR	150 - 300	24x12	

EXHAUST FAN SCHEDULE					
MARK	SERVES ROOM	MIN. S.C.F.M.	STATIC PRESSURE IN. W.G.	MINIMUM WATTS	REMARKS
EF 1	WOMEN 174	150	0.25	155W	① ②
EF 2	WOMEN 175	75	0.25	81W	① ②

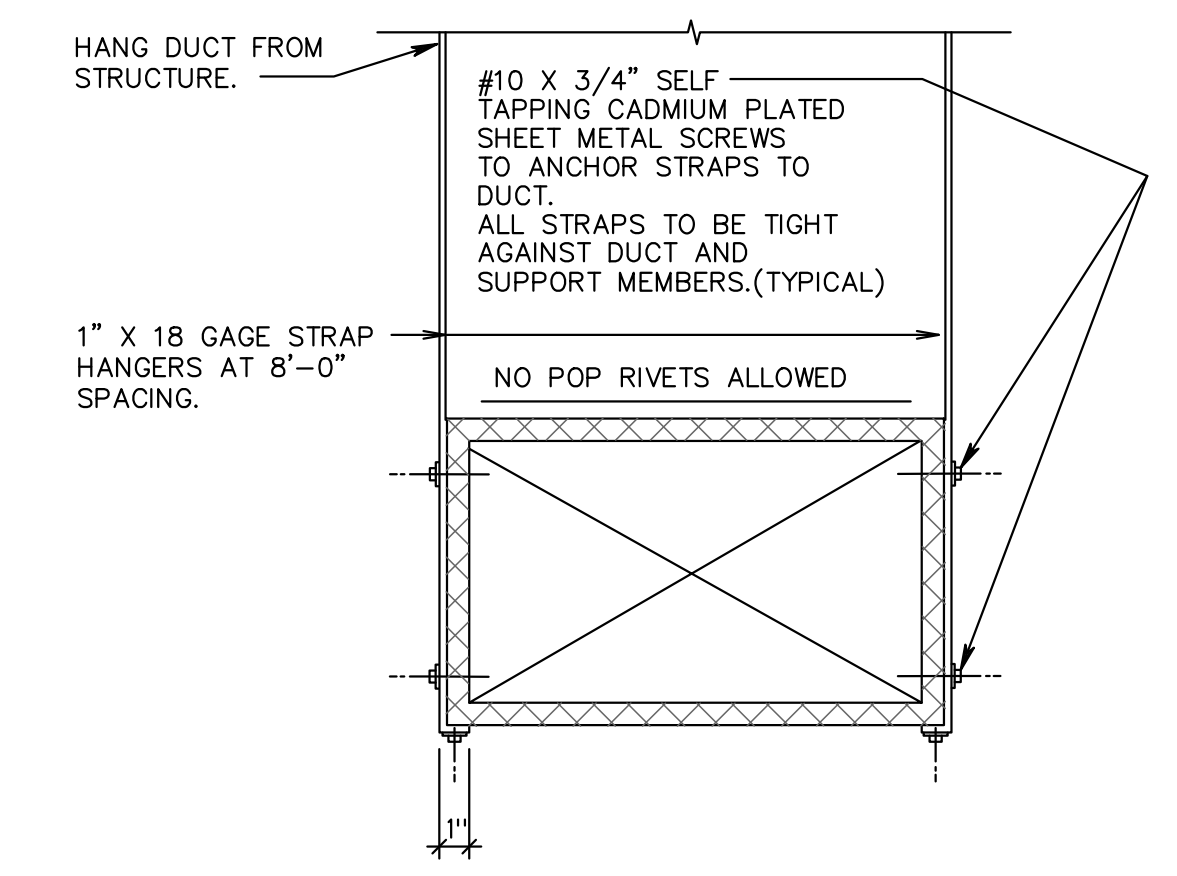
① CONTROL BY DIVISION 26.
② VOLTAGE IS 115V / 1 PHASE / 60 HZ

DIFFUSER SCHEDULE							
MARK	C.F.M. RANGE ①	DIFFUSER SIZE	NECK CONN.	BLOW	PATTERN	AIR DIST./SIDE	
						A (%)	B (%)
D-1	40 - 100	6X6	6X6 ④	3 WAY	A B	38	31

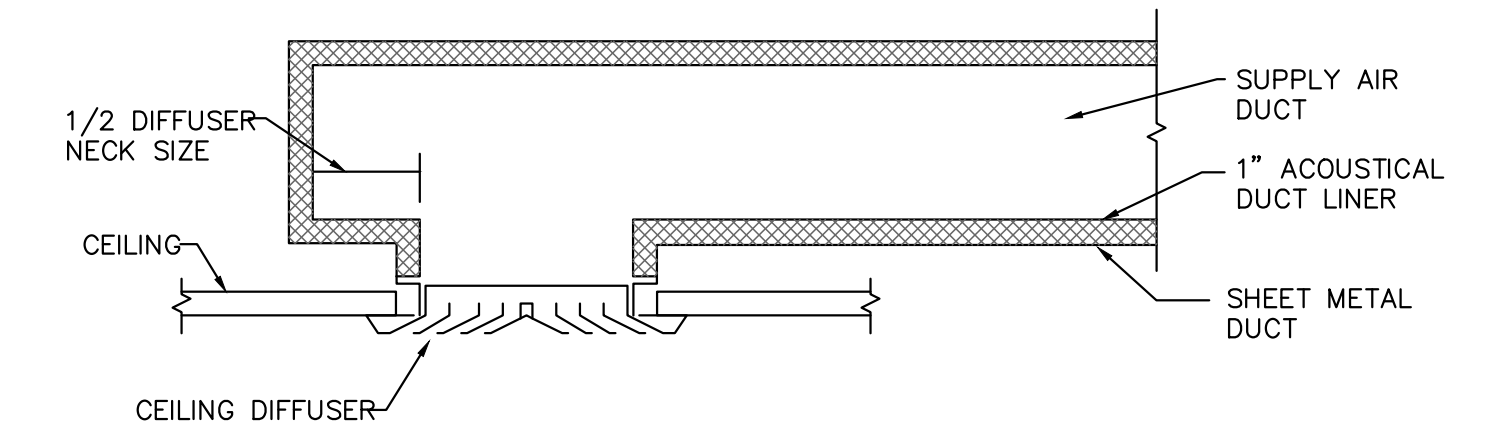
- REGISTER, GRILLE AND DIFFUSER SCHEDULE NOTES:
- ① MAXIMUM NC=25 ± MAXIMUM CFM NOTED.
 - ② SHALL BE TITUS TDC TYPE 6 OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS)
 - ③ SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
 - ④ FINISH: OFF-WHITE BAKED ENAMEL.
 - ⑤ FINISH: AS SELECTED BY ARCHITECT TO MATCH DOOR.



A DUCT LINER DETAIL
SCALE: NOT TO SCALE



B DUCT STRAP HANGER DETAIL
SCALE: NOT TO SCALE



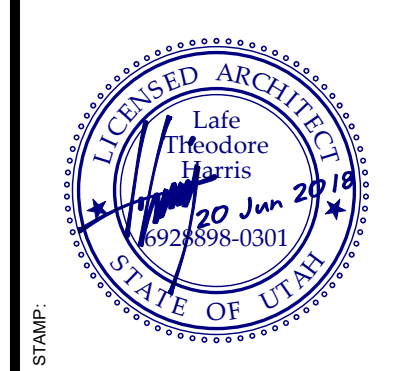
C CEILING DIFFUSER DETAIL
SCALE: NOT TO SCALE

MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF.		MANUAL VOLUME DAMPER
	SINGLE THICKNESS TURNING VANES		BACKDRAFT DAMPER (INSTALL AT EACH EXHAUST DISCHARGE DUCT)
	DUCT TRANSITION		EXISTING DUCT TO BE REMOVED
EA	EXHAUST AIR		EXISTING DUCT TO REMAIN
TA	TRANSFER AIR		

- GENERAL MECHANICAL NOTES**
- Existing ductwork, sizes, and equipment are shown for the Contractor's reference. Field verify the exact size, elevation, and location of existing items, including their relationship with the intended work prior to starting construction.
 - Drawings show general arrangement of piping, ductwork, equipment, etc. Follow as closely as actual building construction and work of other trades will permit. Because of the scale of the drawings, it is not possible to indicate all offsets, fittings, and accessories that may be required. Investigate structural and finish conditions affecting this work and arrange work accordingly. Provide such fittings, valves, and accessories as required to meet conditions.
 - Patch and repair all existing surfaces which are damaged by new construction to match existing.
 - Balance all systems which are being revised to the CFMs shown. Make adjustments as necessary to achieve the air flow quantities that are shown on the Drawings.
 - Duct dimensions are clear dimensions inside duct liner.
 - Do not route pipes above electrical panels. Maintain clear access space in front of all electrical panels 4'-0" deep x 6'-6" high.
 - Saw cut or core drill all new penetrations through existing masonry construction.
 - If the Contractor encounters material that may contain asbestos, he shall immediately stop work in this area and notify the Owner and the Architect.
 - Demolition - General:
 - Remove all related piping and appurtenances.
 - Remove branch piping completely and cap in main.
 - Patch and repair all existing surfaces (wall, roof, floor, ceiling, etc.)
 - Remodel - General:
 - All new conduit, piping, duct, equipment, and appurtenances shall be concealed unless otherwise noted.
 - Existing surfaces (wall, roof, floor, ceiling, etc.) shall be removed as required and shall be replaced to match existing.

- MECHANICAL KEYED NOTES**
- Remove existing ceiling exhaust fan for replacement.
 - Remove existing ceiling supply diffuser for replacement.
 - Connect new ceiling exhaust fan to existing discharge duct. Transition as required.
 - Install new ceiling supply diffuser. Reconnect to existing branch duct and / or drop. Provide new transition if required.

#	DATE	DESCRIPTION
1	20 Jun 2018	Rev Documents



bb ARCHITECTS
45 E. Widsworth Park Dr., Ste. 205, Provo, UT 84602
Phone: 801.571.0010, Fax: 801.571.0903, Toll Free: 888.571.0010

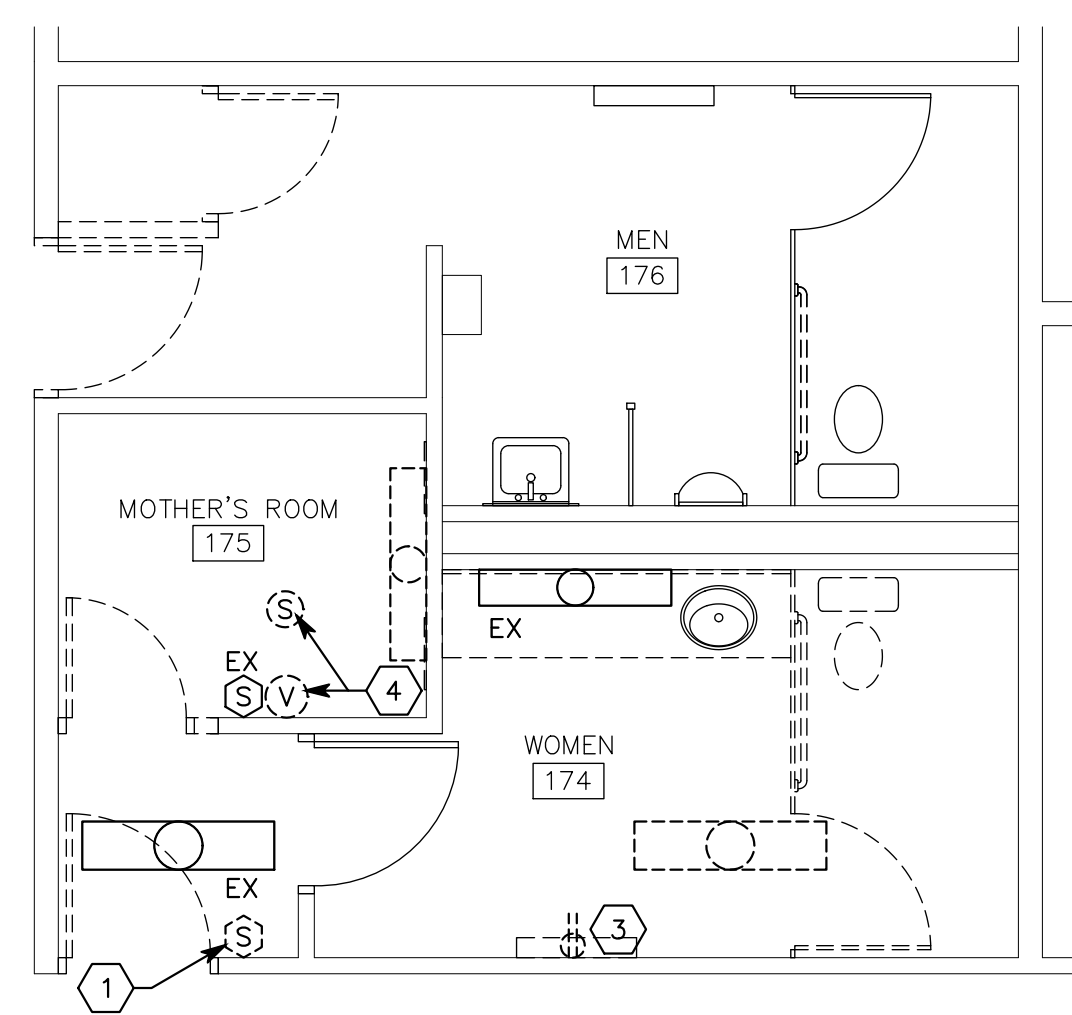
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Orchard 3, 7, Geneva Heights 8 Orem Utah Orchard Stake
810 East 600 North Orem, Utah
PROJECT # 1815, PLAN SERIES 500-3558

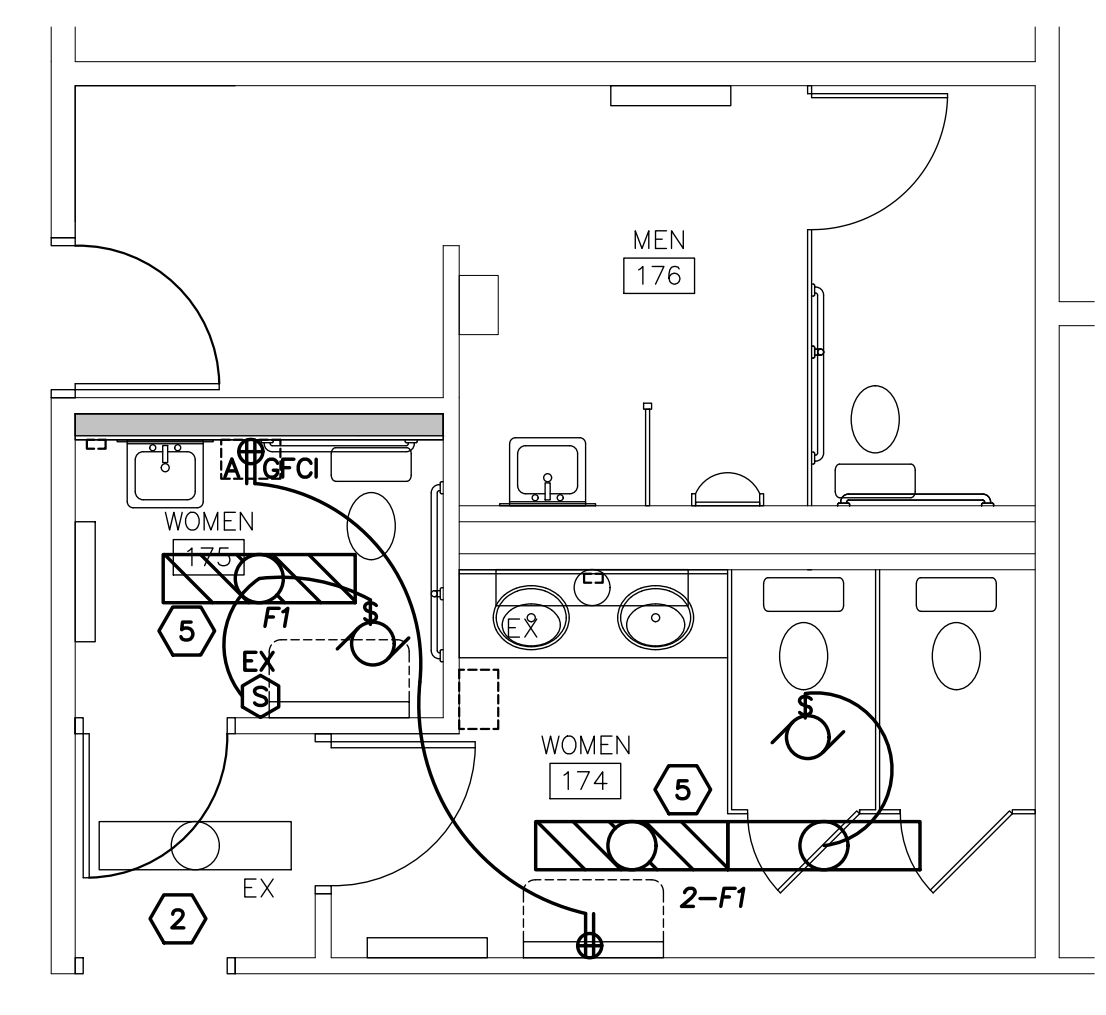
SHEET TITLE: MECHANICAL DEMOLITION PLANS AND NEW PLANS
SHEET: M101

FIXTURE SCHEDULE						
TYPE	NAME	MANUFACTURER	LOAD (VA)	LAMPS TYPE	MOUNTING	REMARKS
F1	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBIA	DWN232-UNV-172-FB WN-232A-UNV-CE-CE232MAXULTRA-U 17-4-232-A-LDS-AD-BD-UNV MNA10-232-SSOLR-UE SB232 MVOLT APLP AWN-232	56	2-28W T8 3000K (VERIFY TO MATCH EXISTING TEMPERATURE)	SURFACE	4"x10" FIXTURE WITH WRAP AROUND ACRYLIC LENS. ELECTRONIC BALLAST SEE SPEC. 265100

- KEYED NOTES**
- Blank off existing occupancy sensor and salvage to Owner.
 - Re-circuit light to be fed from the Hallway lighting instead of the Restroom lighting.
 - Replace existing receptacle with new GFCI receptacle.
 - Remove existing speaker and blank off wall volume control.
 - Emergency fixture with battery



1 ENLARGED DEMOLITION ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED ELECTRICAL
SCALE: 1/4" = 1'-0"

#	DATE	DESCRIPTION
1	20 Jun 2018	Rev Documents

DRAWING ISSUE SCHEDULE

STAMP

11b ARCHITECTS
45 E. Wadsworth Park Dr., Ste. 205 Phone: 801.571.0010
Draper, Utah 84020 Fax: 801.571.0903
Toll Free: 888.571.0010
b1barchitects.com

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME:
Orchard 3, 7, Geneva Heights 8 Orem Utah Orchard Stake

810 East 600 North
Orem, Utah

DATE: 20 Jun 2018
SHEET: 1815

PROPERTY #:
506-3558

SHEET TITLE:
ELECTRICAL DEMOLITION PLAN AND ELECTRICAL PLAN

SHEET:
E101