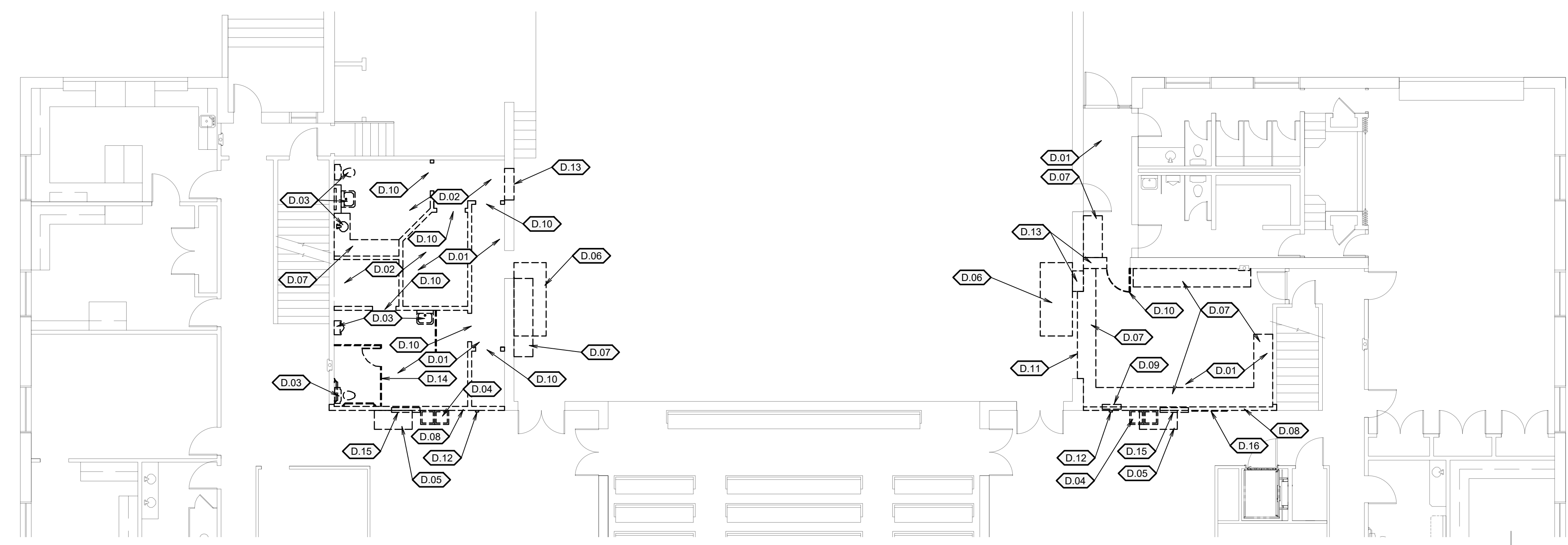
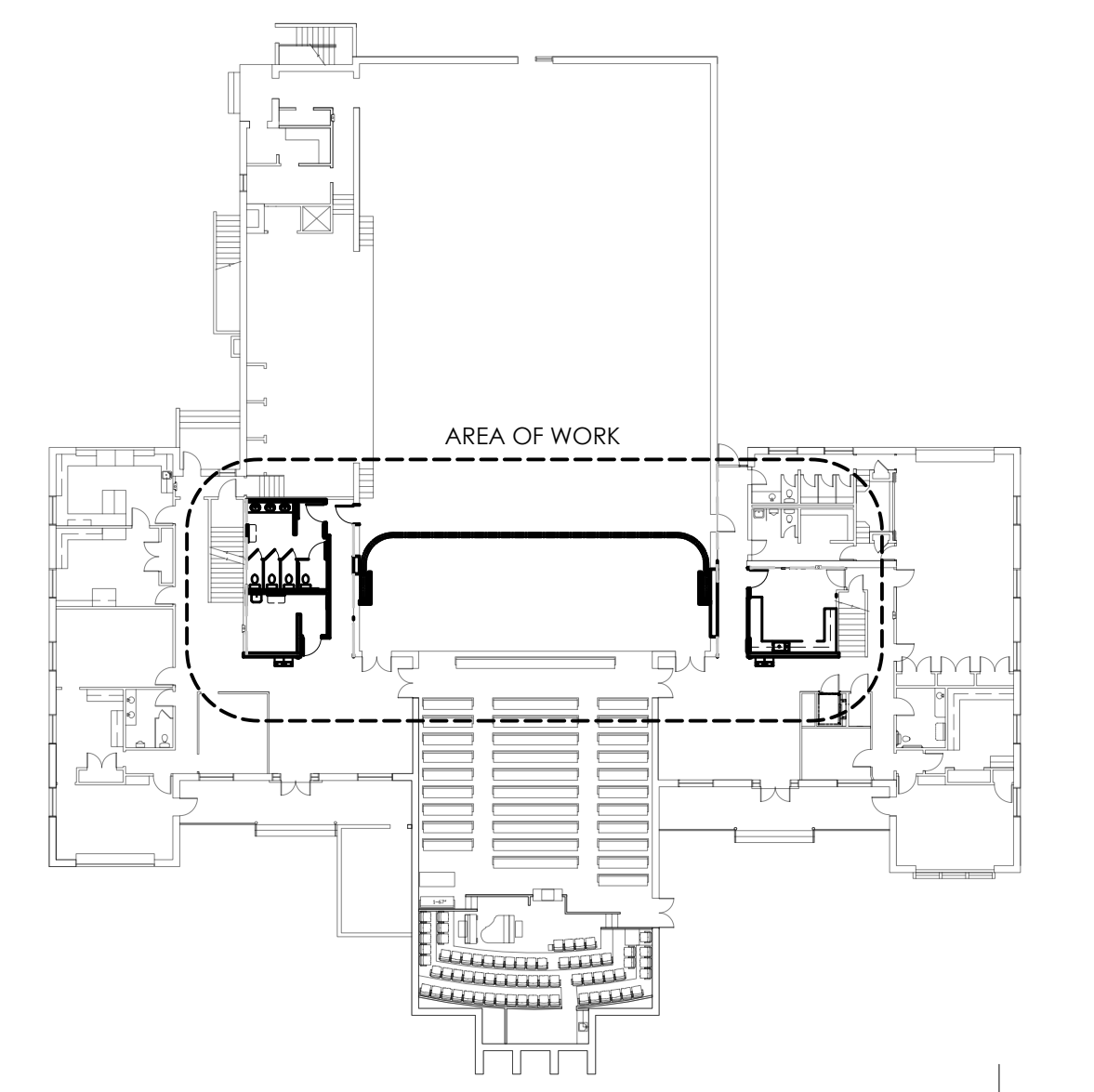


Drawing Index			
A101	Main Floor Plan	P101	Plumbing Plan
A151	Reflected Ceiling Plan	P401	Enlarged Plumbing Plans
A401	Enlarged Plans and Interior Elevations	P501	Plumbing Details
A421	Millwork Details	M101	Mechanical Plans
A501	Miscellaneous Details	M501	Mechanical Details
S101	Main Floor Framing Plan	E101	Power Plans
S102	Upper Floor Framing Plan	E111	Lighting Plans
S501	Details		
S502	Details		
S601	Schedules		
S602	Schedules		

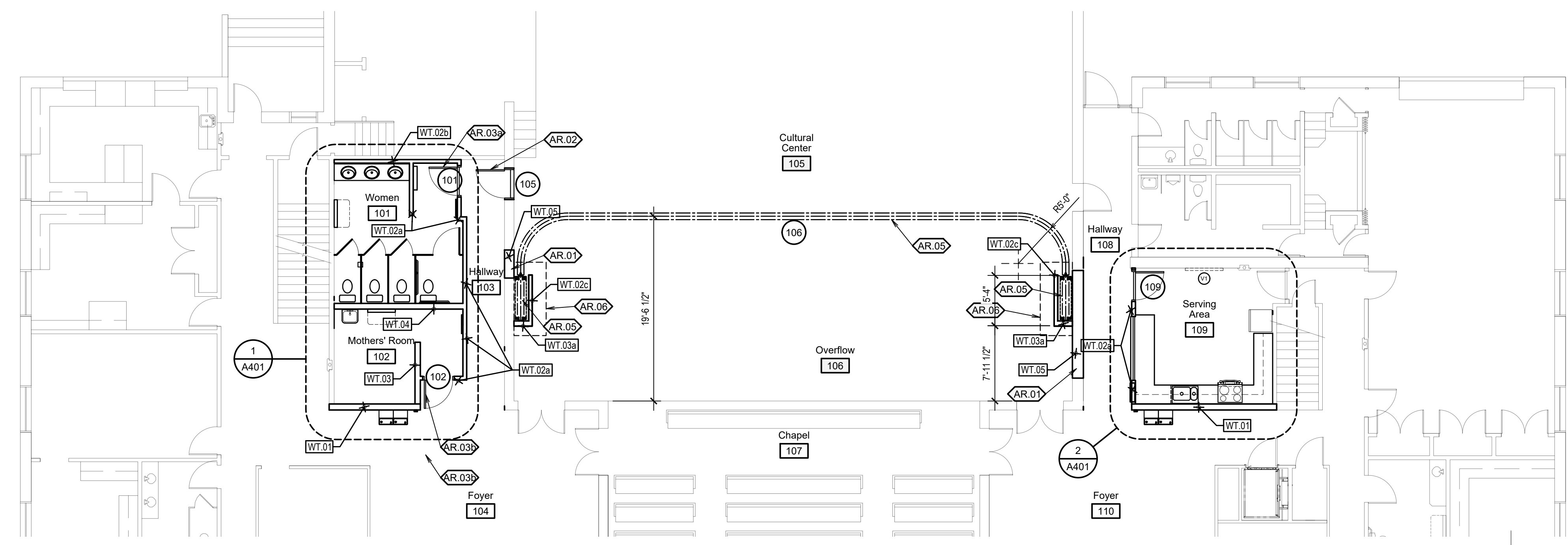
#	DATE	DESCRIPTION	OWNER REVIEW
1	13 Jun 2018	Owner Review	



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



A KEY PLAN
1" = 30'-0"



2 NEW FLOOR PLAN
1/8" = 1'-0"

Keyed Notes

EXISTING ITEM NOTES	WALL TYPES NOTES
E.01 Existing item to remain.	WT.01 8" CMU shear wall. See Structural Sheets. Skim coat and texture to match adjacent walls. Finishes and trim to match existing (removed) wall.
DEMOLITION NOTES	WT.02a 2x4 stud partition wall (16' oc). 5/8" gypsum board each side of wall (except where file and tile backer are required - see Interior Elevations). Texture to match adjacent walls where applicable and where not noted otherwise. See Interior Elevations for wall finishes.
D.01 Remove all carpet and floor finishes in the area of work.	WT.02b 2x4 stud plumbing wall (16" oc). Full-height floor to ceiling wall. Tile backer and wall tile on studs. See Interior Elevations. Match texture and finish notes for WT.02a.
D.02 Remove existing walls in preparation for new construction.	WT.02c 2x4 stud partition wall (16" oc). 1/2" sheathing on studs on Cultural Center side of wall. 5/8" gypsum board on both sides of wall. Texture to match Foyer wall texture.
D.03 Remove existing plumbing fixtures in preparation for new construction.	WT.03 2x6 stud partition wall (16" oc). 5/8" gypsum board both sides of wall. WT.03a - 1/2" sheathing beneath gypsum board on Cultural Center side of wall. Match texture and finish notes for WT.02a.
D.04 Remove existing drinking fountains.	WT.04 2x8 stud partition wall (16" oc). 5/8" gypsum board both sides of wall. Match texture and finish notes for WT.02a.
D.05 Remove existing floor finishes in preparation for new floor finishes at new drinking fountains.	WT.05 Infill wall. See Note AR.01.
D.06 Remove existing hardwood floor as necessary for new construction. See 2/A101.	
D.07 Remove existing cabinetry.	
D.08 Remove existing wall for new shear wall construction. See Structural Sheets.	
D.09 Remove and relocate existing electrical panel. See 2/A101 and Electrical Sheets.	
D.10 Remove existing door.	
D.11 Remove existing panel door.	
D.12 Remove and salvage existing sound control for reinstallation.	
D.13 Remove section of existing wall for new construction. See 2/A101 and Structural Sheets.	
D.14 Remove existing toilet partition.	
D.15 Remove existing convactor.	
D.16 Remove existing tack board and salvage for reinstallation.	
ARCHITECTURAL ITEM NOTES	
AR.01 Infill existing wall to match existing wall thickness, construction type, and finishes.	
AR.02 New solid core wood door with hardwood frame and casing. Hardware shall be as follows: -3 hinges. -Smoke gaskets. -Closer with detent hold open arm. -Push / pull. -Kickplate. -Metal threshold by wood athletic floor manufacturer.	
AR.03 New solid core wood door with hardwood frame and casing. Hardware shall be as follows: -3 hinges. -Smoke gaskets. -Closer. -Wall stop. -Push / pull. -AR.03a - Stone threshold. -AR.03b - Sound control threshold and sweep.	
AR.04 New solid core wood door with hardwood frame and casing. Hardware shall be as follows: -3 hinges. -Smoke gaskets. -Closer with detent hold open arm. -Push / pull. -Kickplate. -6"x30" tempered glass view window with wood stops. -Metal edge strip at tile edge.	
AR.05 New accordion folding partition with floating jamb.	
AR.06 Repair or replace area of hardwood flooring as necessary for new wall and new accordion partition installation.	

General Notes

- A. The contractor shall verify all existing 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. Contractor shall be responsible for all demolition work required to carry out the work as shown in the contract documents.
- D. Protect salvaged elements during construction.
- E. Submit shop drawings for review and approval for all millwork items prior to fabrication.
- F. Properly prepare all floor and wall surfaces to receive new finishes prior to installation of new finishes.
- G. Where items are removed, repair adjoining wall, floor, and / or ceiling finishes as necessary for new construction.
- H. All new wall and ceiling finishes shall match adjacent existing wall or ceiling finishes. Coordinate questions with the Architect.
- I. Unless otherwise noted, all new walls are Wall Type WT.02a.
- J. All new wood trim shall match adjacent stain color, sheen species etc.



Late Harris ARCHITECTS
45 E. Wadsworth Park Dr., Ste. 205 • Phone: 801.571.0010
Draper, Utah 84020 • Fax: 801.571.0903
bhra@architects.com • Toll Free: 888.571.0010

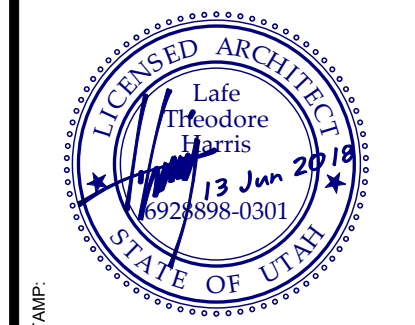
PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
Orem UT Cherry Hill Stake
1700 South 400 East
Orem, Utah
BHCA PROJECT #: 1822
DATE: 13 Jun 2018
PLAN SERIES: D/G
PROPERTY #: 505-1975

SHEET TITLE:
MAIN FLOOR PLAN

SHEET:
A101

DATE	13 Jun 2018	OWNER REVIEW
#	1	



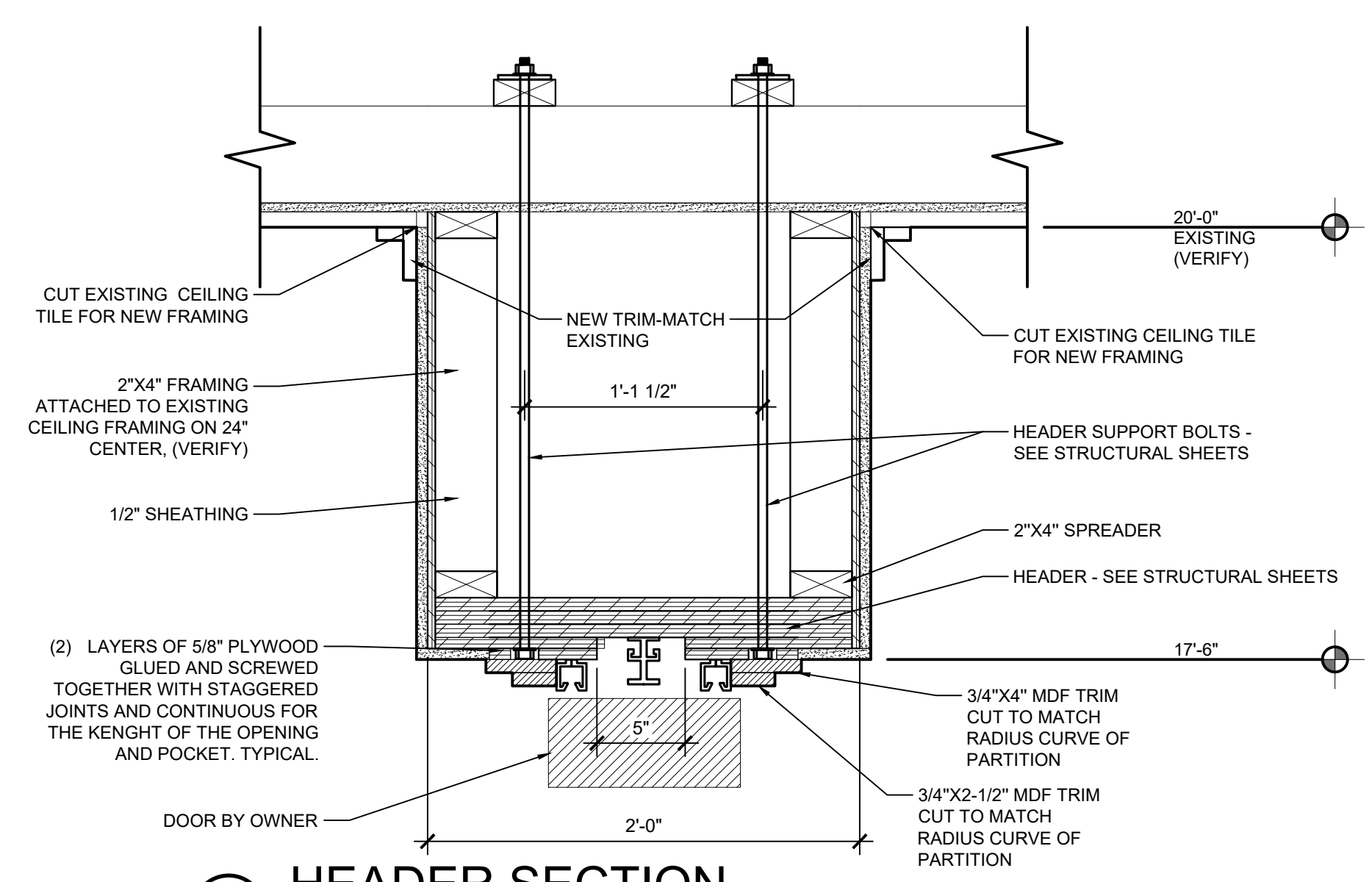
ARCHITECTS
 65 E. Widworth Park Dr., Ste. 205
 Draper, Utah 84020
 Phone: 801.571.0010
 Fax: 801.571.0003
 Toll Free: 888.571.0010
 btdarchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

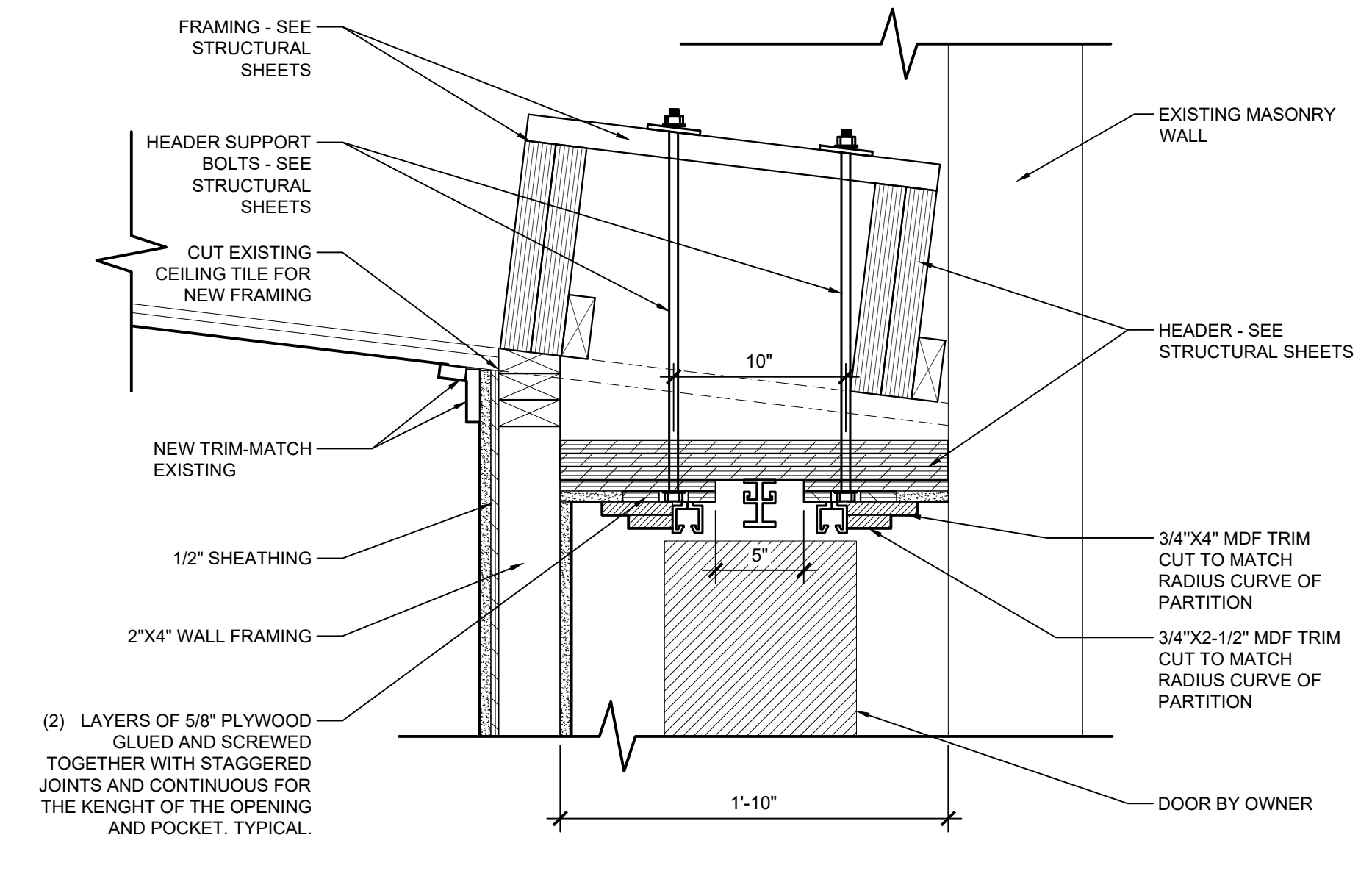
Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
 Orem UT Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BIDD PROJECT # 1822
 PLAN SERIES: N/A
 PROPERTY # 505-1975

SHEET TITLE
DEMOLITION REFLECTED CEILING PLAN AND REFLECTED CEILING PLAN

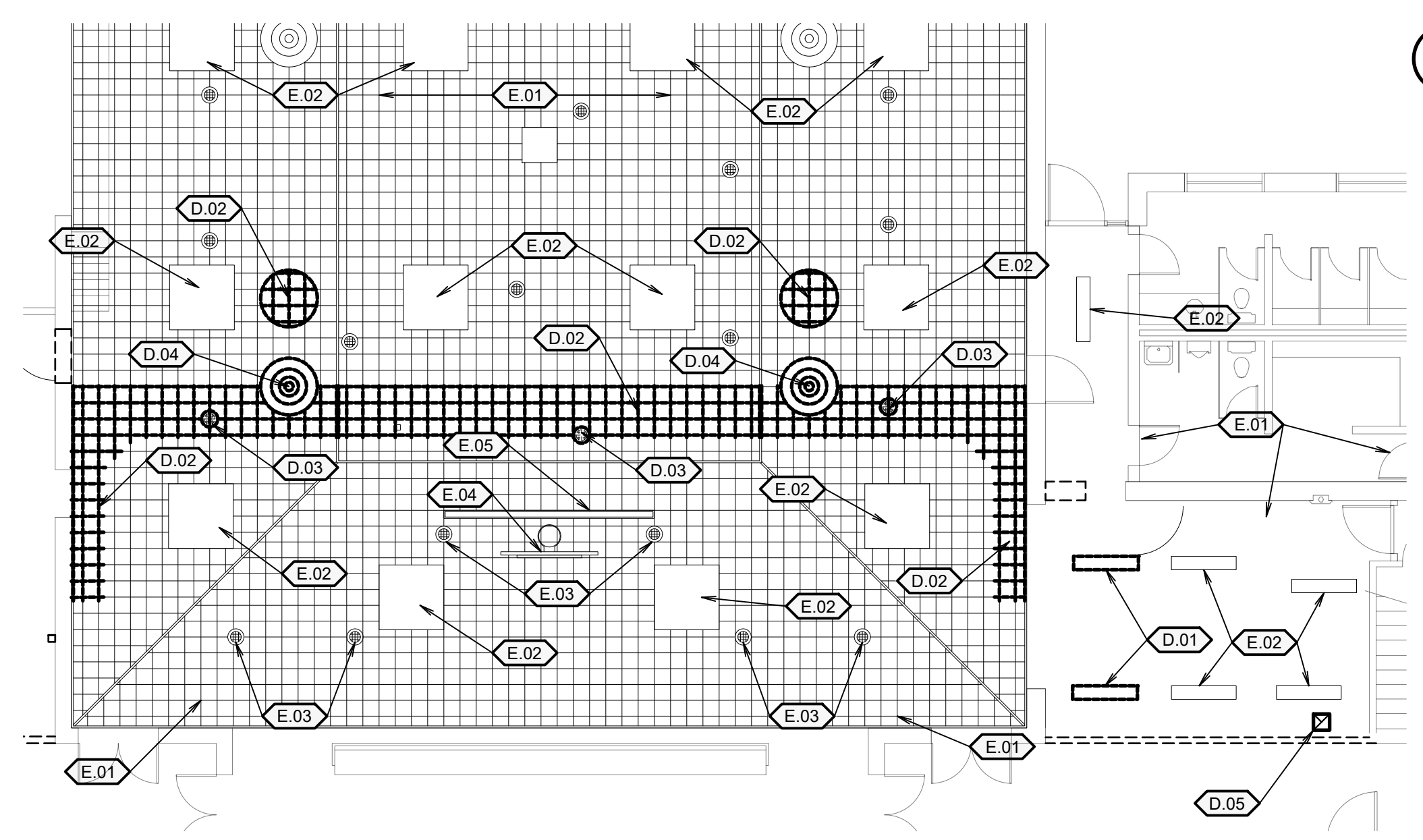
SHEET:
A151



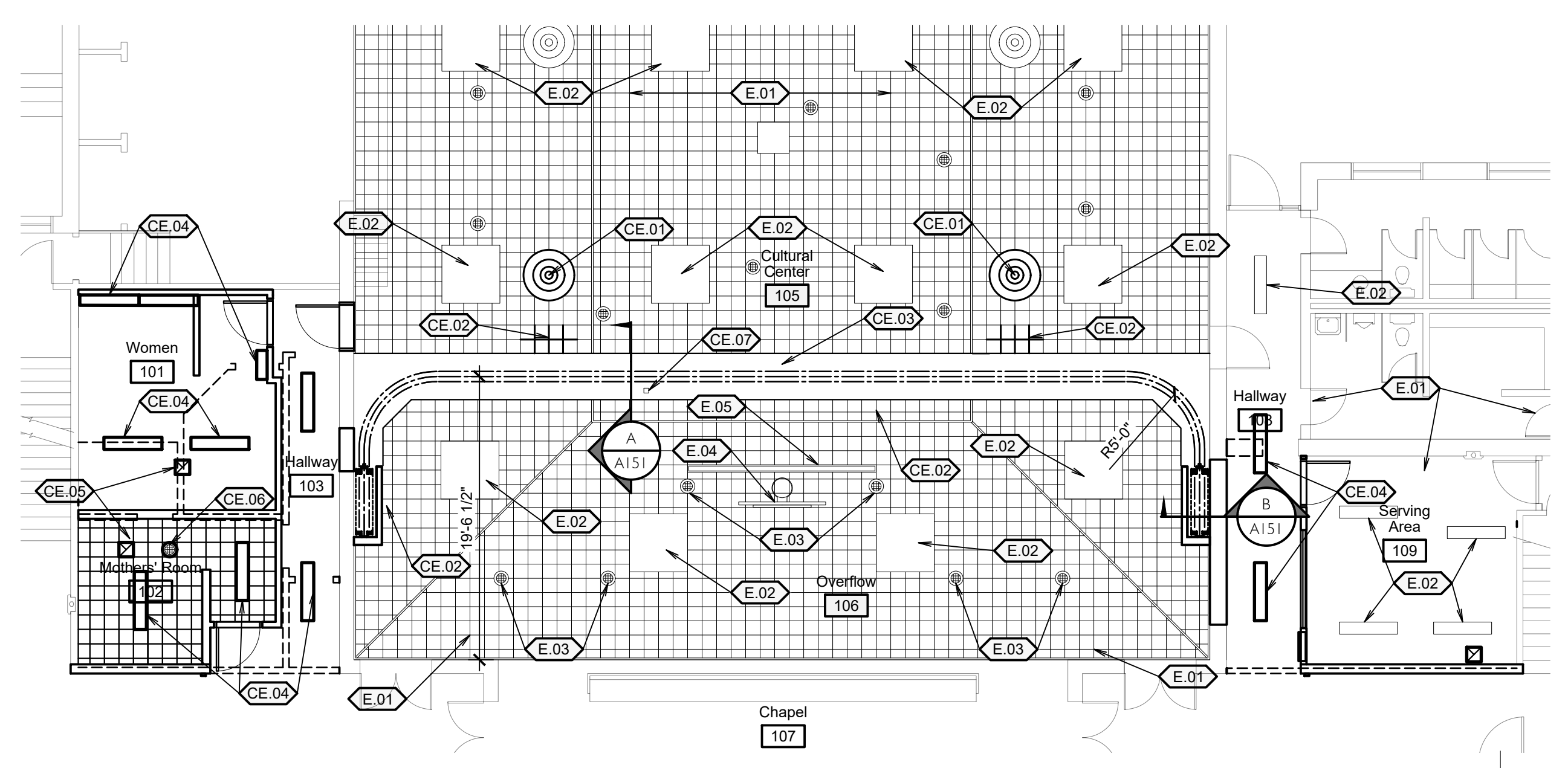
A HEADER SECTION
 SCALE: 1-1/2"=1'-0"



B HEADER SECTION
 SCALE: 1-1/2"=1'-0"



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

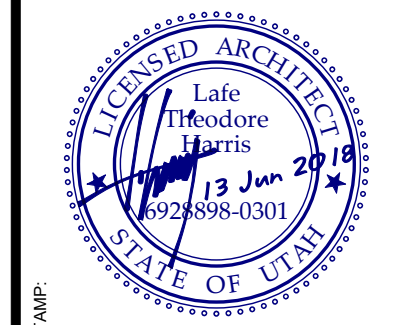


2 REFLECTED CEILING PLAN
 SCALE: 1/4"=1'-0"

Keyed Notes	
EXISTING ITEM NOTES	
E.01	Existing item to remain.
E.02	Existing light to remain. See Electrical Sheets.
E.03	Existing speaker to remain. See Electrical Sheets.
E.04	Existing basketball standard to remain.
E.05	Existing projection screen to remain.
DEMOLITION NOTES	
D.01	Remove existing light fixture. See Electrical Sheets
D.02	Remove existing ceiling tiles as necessary for new construction.
D.03	Remove existing speaker.
D.04	Remove diffuser and salvage for reinstallation. See Mechanical Sheets
D.05	Remove existing exhaust fan for replacement.
CEILING NOTES	
CE.01	New location of salvaged diffuser. See Mechanical Sheets.
CE.02	Repair ceiling where item was removed or modifications were made for new construction.
CE.03	Header for accordion partition. See A/A151 and B/A151.
CE.04	New light. See Electrical Sheets.
CE.05	New exhaust fan. See Mechanical Sheets.
CE.06	New speaker. Connect to existing Mothers Room speaker wiring.
CE.07	Sensor for speaker controls. See Electrical Sheets.

General Notes	
A.	The contractor shall verify all existing 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. Contractor shall be responsible for all demolition work required to carry out the work as shown in the contract documents.
D.	Protect salvaged elements during construction.
E.	Properly prepare all ceiling surfaces to receive new finishes prior to installation of new finishes.
F.	New ceiling tile shall be supplied and installed by contractor and shall match existing.

#	DATE	DESCRIPTION
1	13 Jun 2018	Owner Review

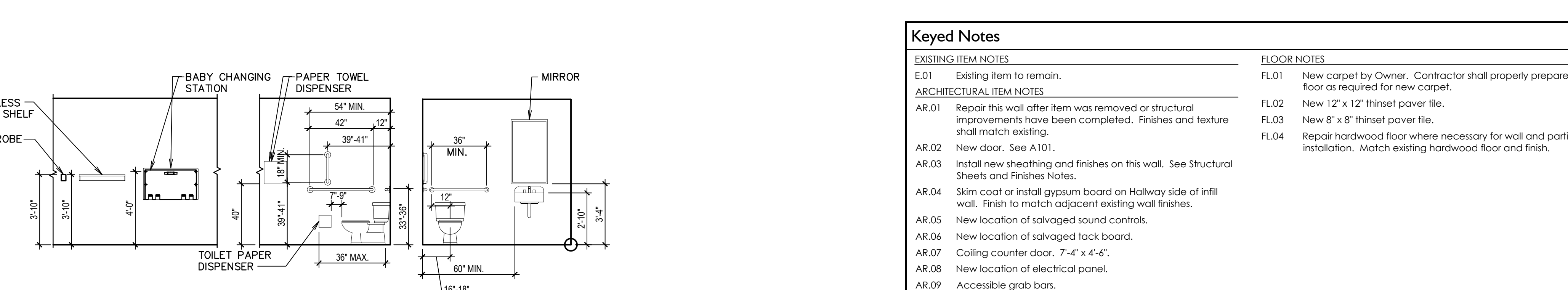
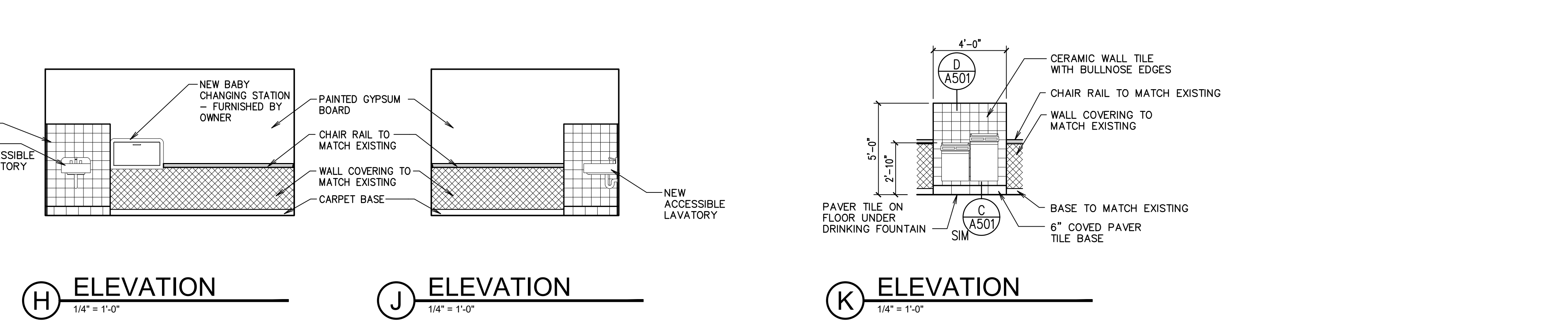
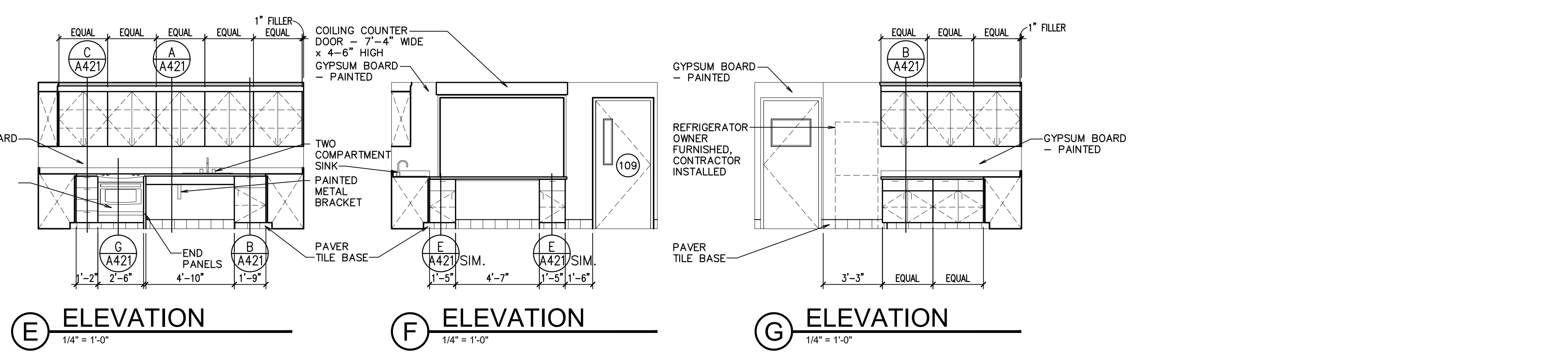
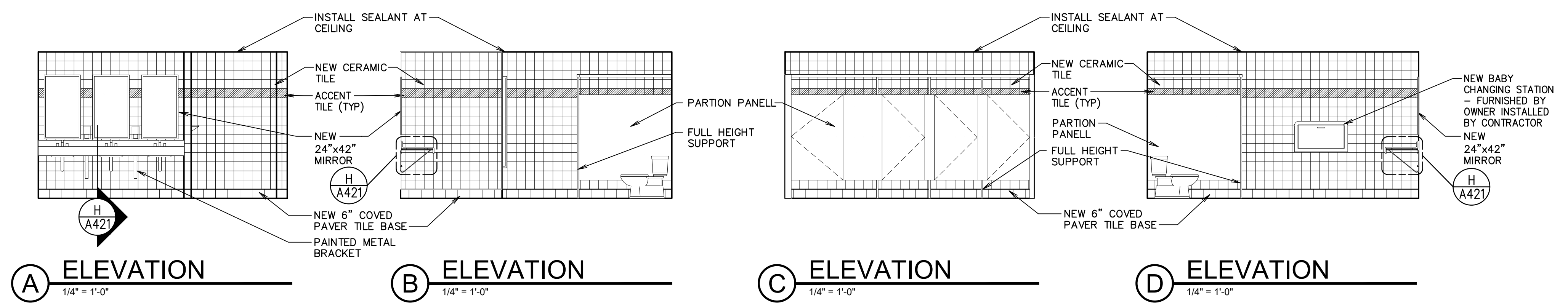
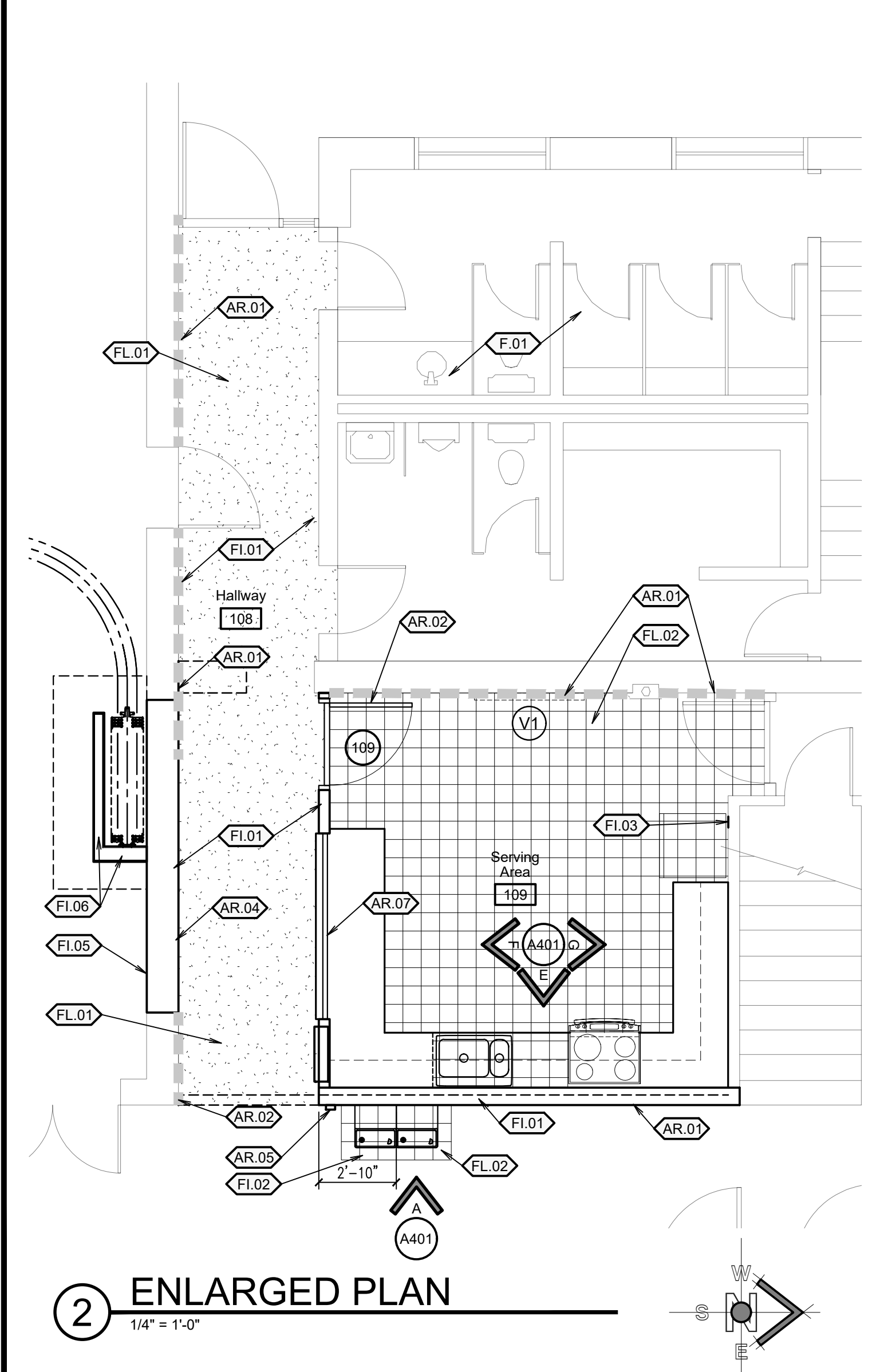
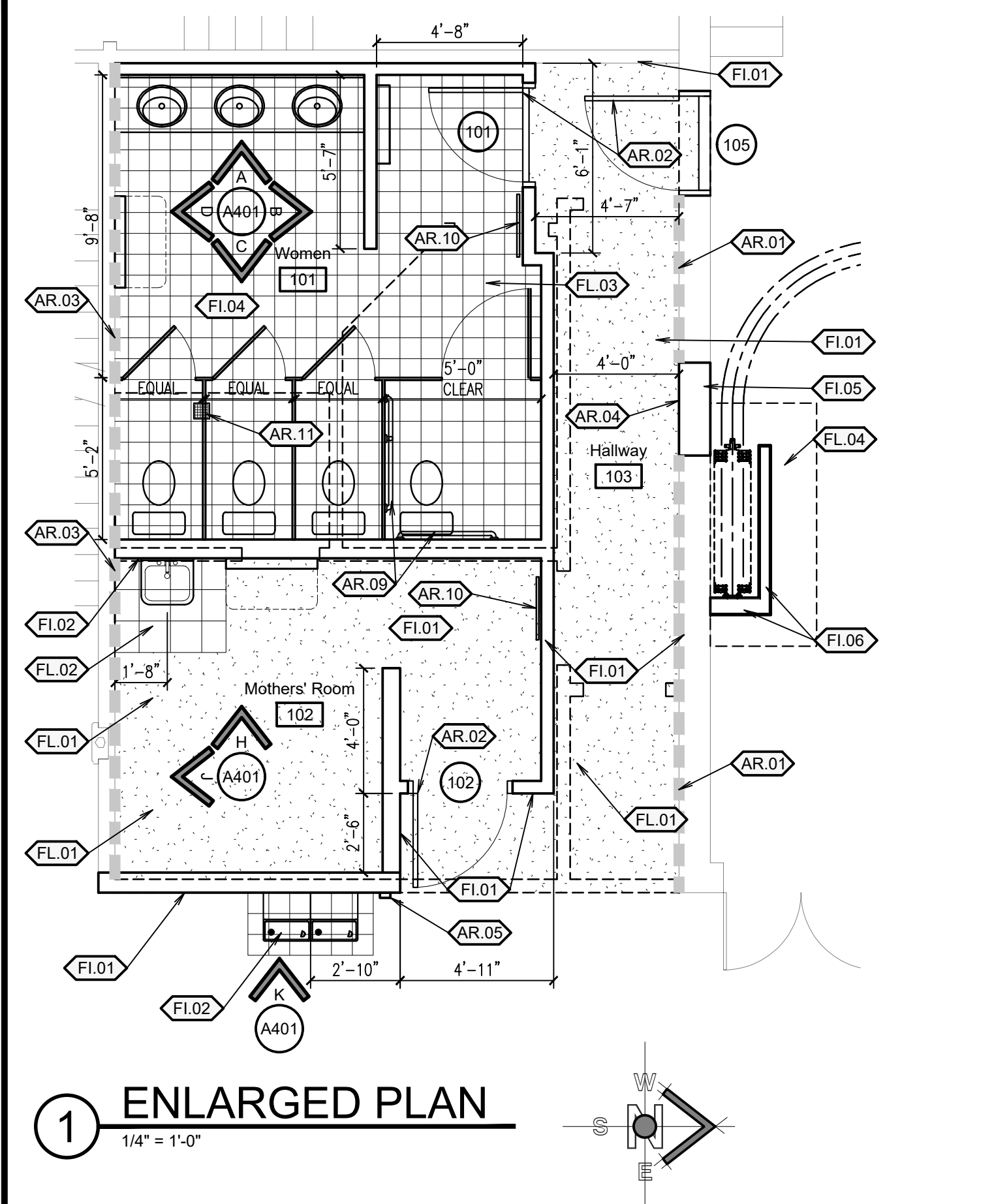


bb ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205 Phone: 801.571.0010
 Draper, Utah 84020 Fax: 801.571.0303
 Toll Free: 888.571.0010
 bbarchitects.com

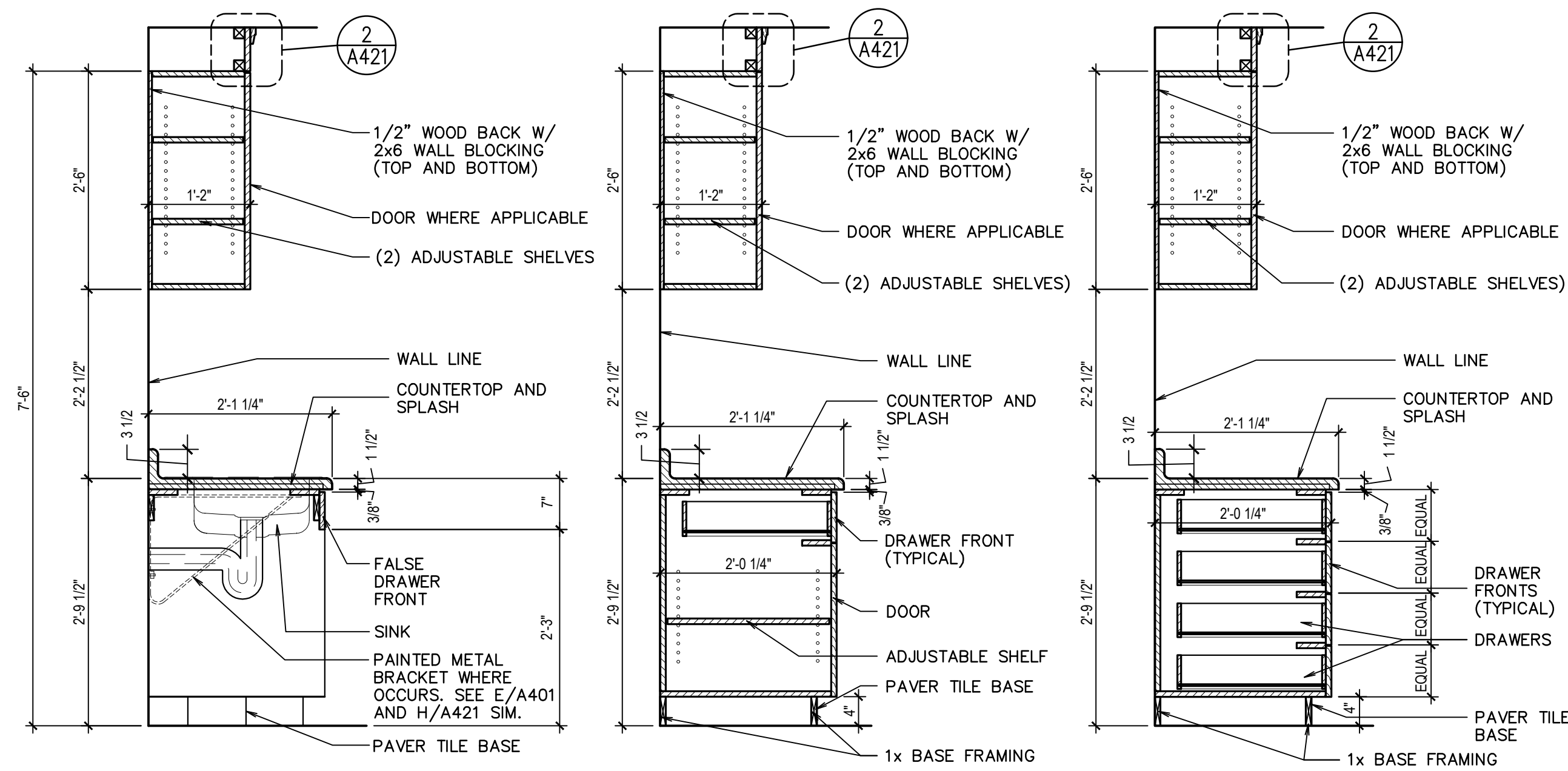
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BIDD PROJECT # 1822
 PLAN SERIES N/A
 PROPERTY # 505-1975

SHEET TITLE: ENLARGED PLANS AND DETAILS
 SHEET: A401



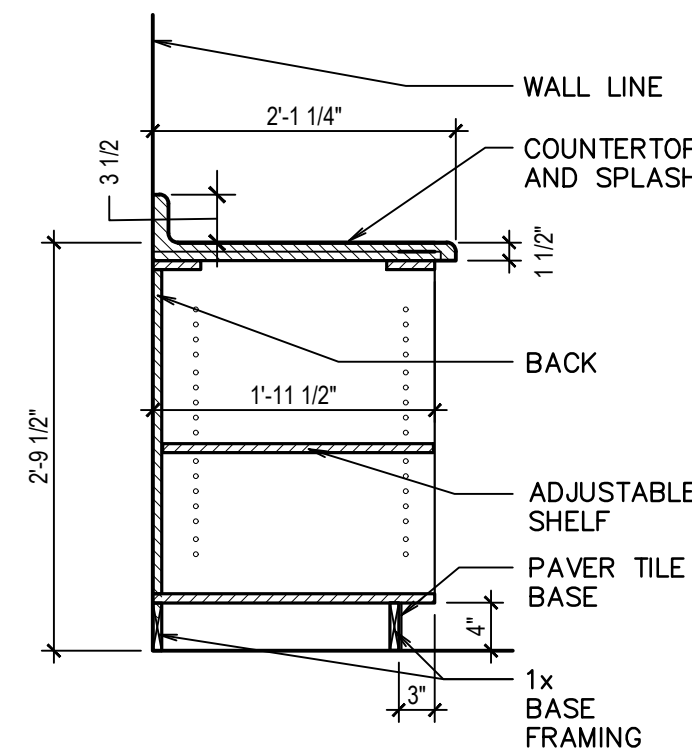
Keyed Notes	
EXISTING ITEM NOTES	FLOOR NOTES
E.01 Existing item to remain.	FL.01 New carpet by Owner. Contractor shall properly prepare floor as required for new carpet.
ARCHITECTURAL ITEM NOTES	FL.02 New 12" x 12" thinset paver tile.
AR.01 Repair this wall after item was removed or structural improvements have been completed. Finishes and texture shall match existing.	FL.03 New 8" x 8" thinset paver tile.
AR.02 New door. See A101.	FL.04 Repair hardwood floor where necessary for wall and partition installation. Match existing hardwood floor and finish.
AR.03 Install new sheathing and finishes on this wall. See Structural Sheets and Finishes Notes.	
AR.04 Skim coat or install gypsum board on Hallway side of infill wall. Finish to match adjacent existing wall finishes.	
AR.05 New location of salvaged sound controls.	
AR.06 New location of salvaged tack board.	
AR.07 Coiling counter door. 7'-4" x 4'-6".	
AR.08 New location of electrical panel.	
AR.09 Accessible grab bars.	
AR.10 24" wide x 60" high mirror.	
AR.11 Floor drain. See Plumbing Sheets.	
FINISHES NOTES	
FL.01 All new and existing walls in this room or hallway shall receive new finishes and trim (paint, texture at new walls, chair rail, wall coverings, and base) to match Foyers.	
FL.02 Wall tile. See Interior Elevations.	
FL.03 All new and existing walls in this room shall receive texture as necessary to match existing and new paint. All walls shall receive new 6" x 8" paver tile cove base.	
FL.04 All new and existing walls in this room shall receive new wall tile and new 6" x 8" paver tile cove base. See Interior Elevations.	
FL.05 Paint masonry infill wall to match adjacent existing walls. Install chair rail to match existing.	
FL.06 Paint new wall to match existing masonry paint. Install new chair rail to match existing. Install hardwood trim on end wall. See Jamb Detail/A151.	



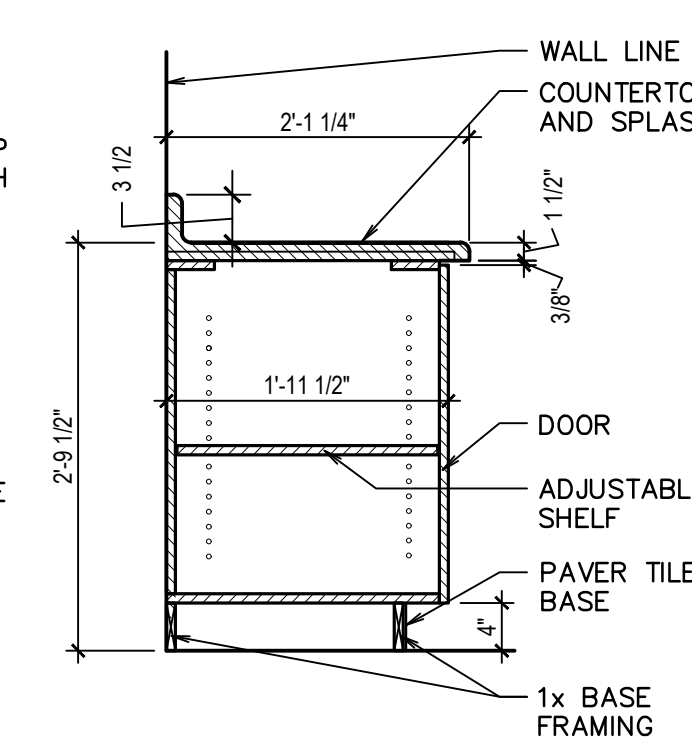
A SECTION
3/4" = 1'-0"

B SECTION
3/4" = 1'-0"

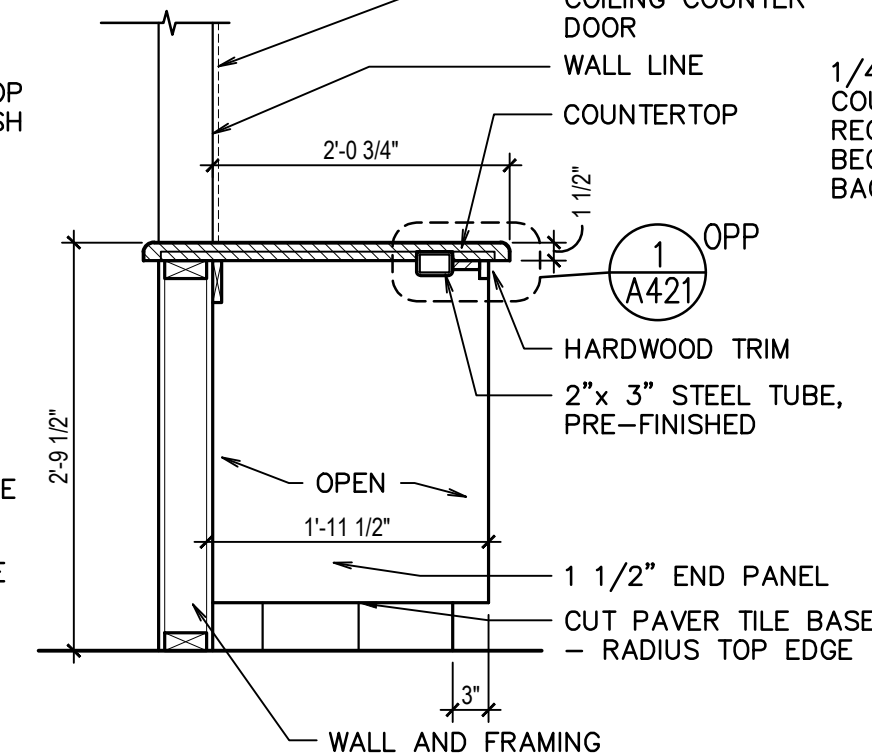
C SECTION
3/4" = 1'-0"



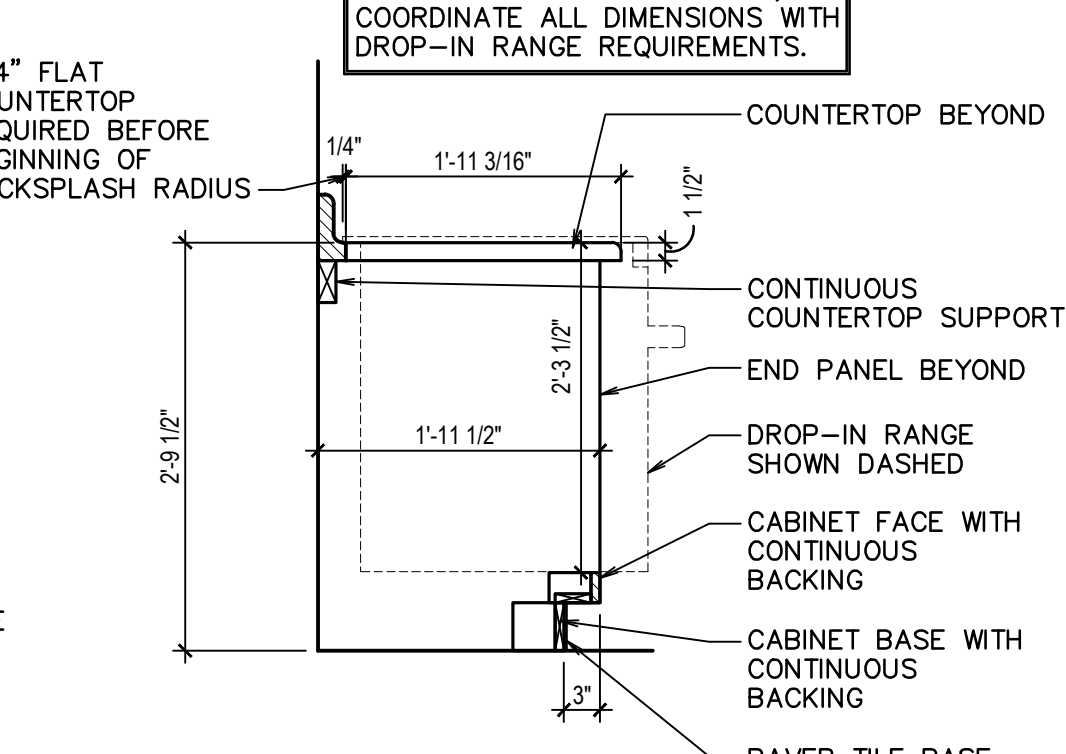
D SECTION
3/4" = 1'-0"



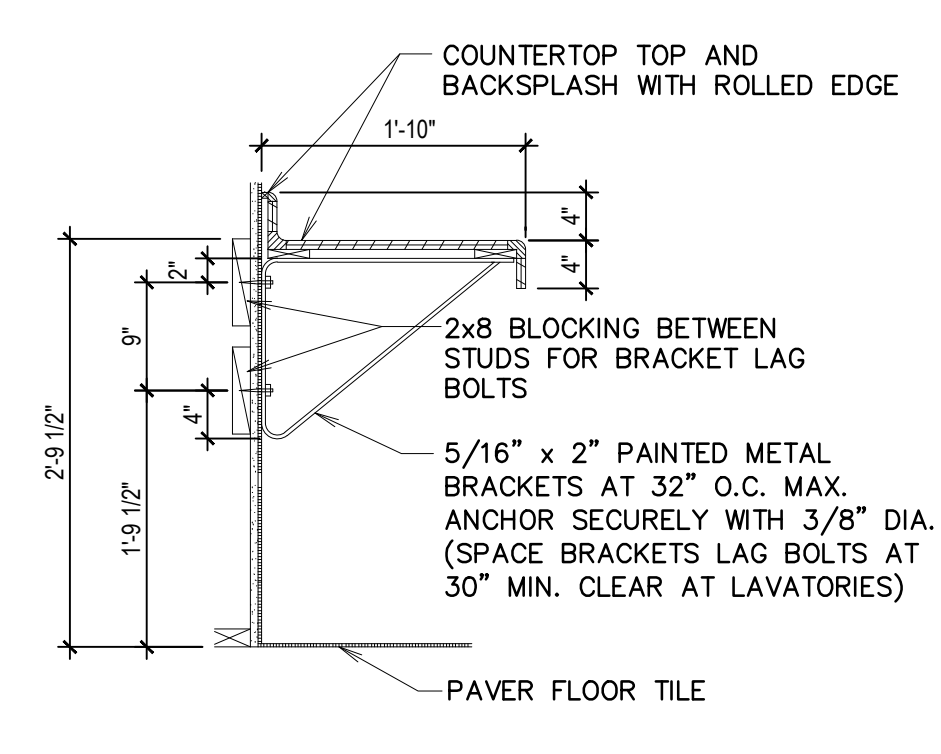
E SECTION
3/4" = 1'-0"



F SECTION
3/4" = 1'-0"

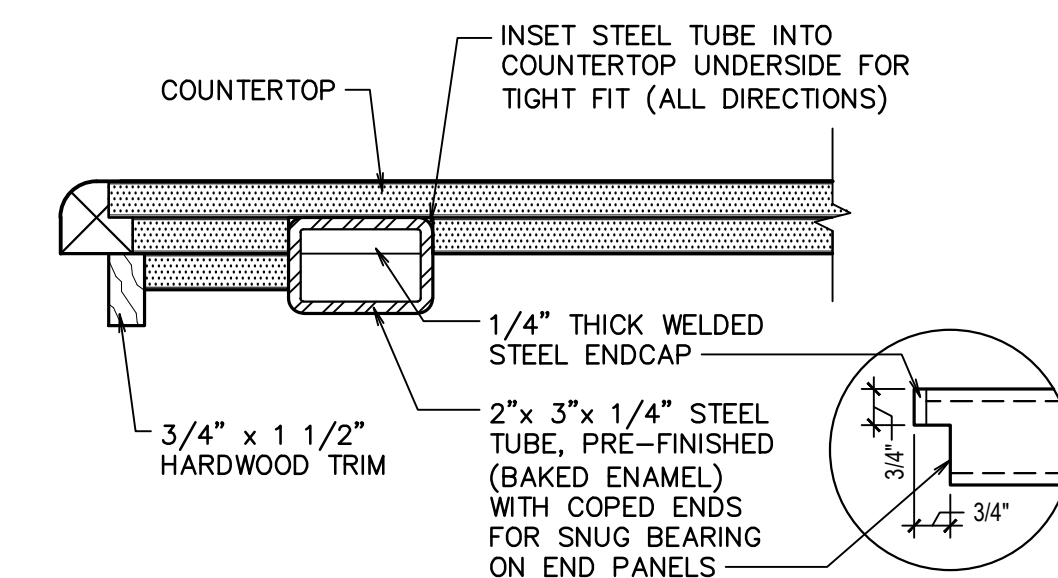


G SECTION
3/4" = 1'-0"

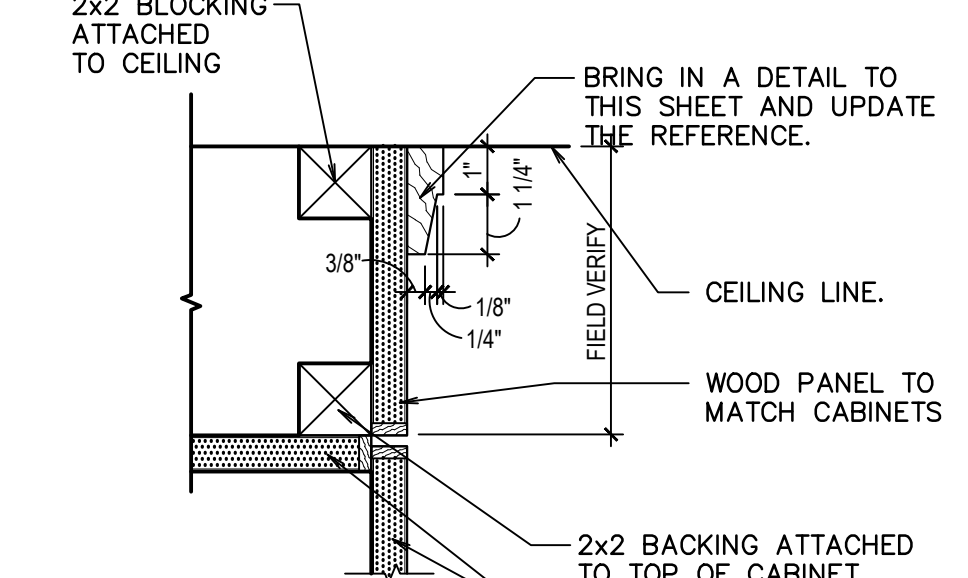


H SECTION
3/4" = 1'-0"

NOTE: PRIOR TO FABRICATION, COORDINATE ALL DIMENSIONS WITH DROP-IN RANGE REQUIREMENTS.

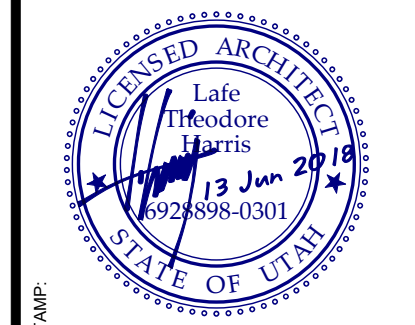


1 COUNTERTOP SUPPORT
3" = 1'-0"



2 SOFFIT DETAIL
3" = 1'-0"

#	DATE	DESCRIPTION	BY	CHKD
1	13 Jun 2018	Owner Review		



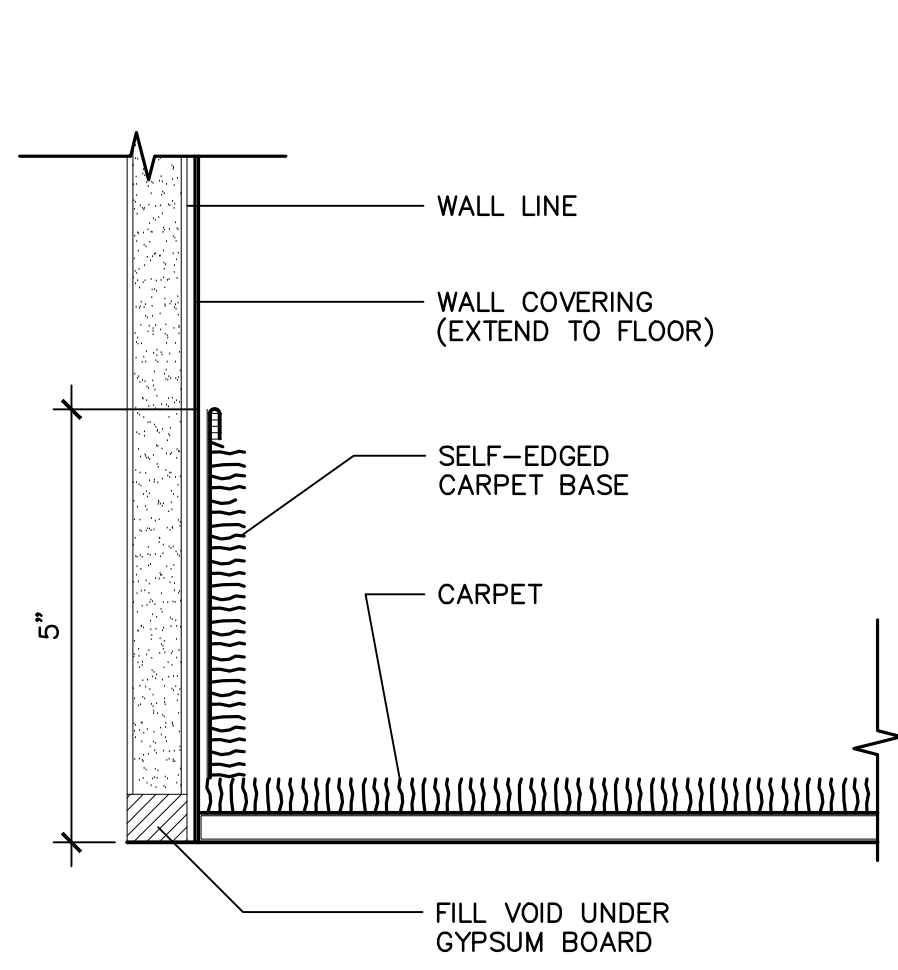
bb ARCHITECTS
65 E. Widworth Park Dr., Ste. 205
Draper, Utah 84020
Phone: 801.571.0010
Fax: 801.571.0303
Toll Free: 888.571.0010
bbarchitects.com

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

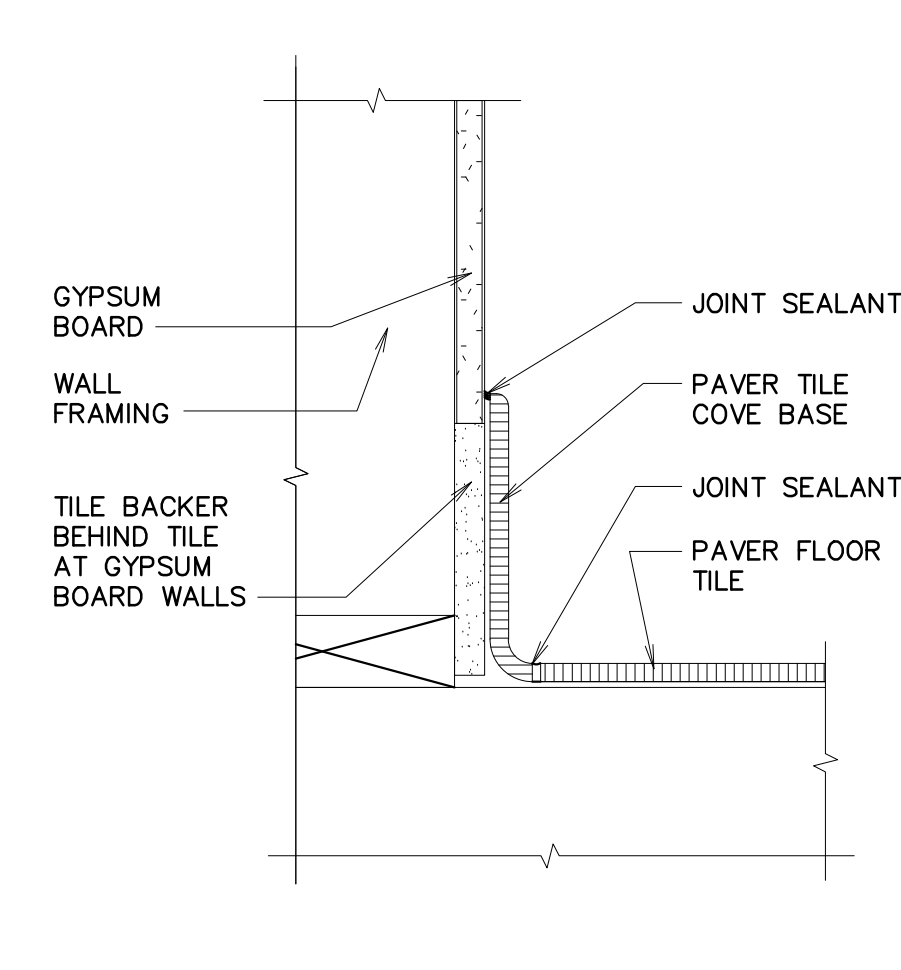
Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
1700 South 400 East
Orem, Utah
BIDD/PROJECT #: 1822
DATE: 13 Jun 2018
PROPERTY #: 505-1975
PLAN SERIES: N/A

SHEET TITLE:
CABINETS DETAILS

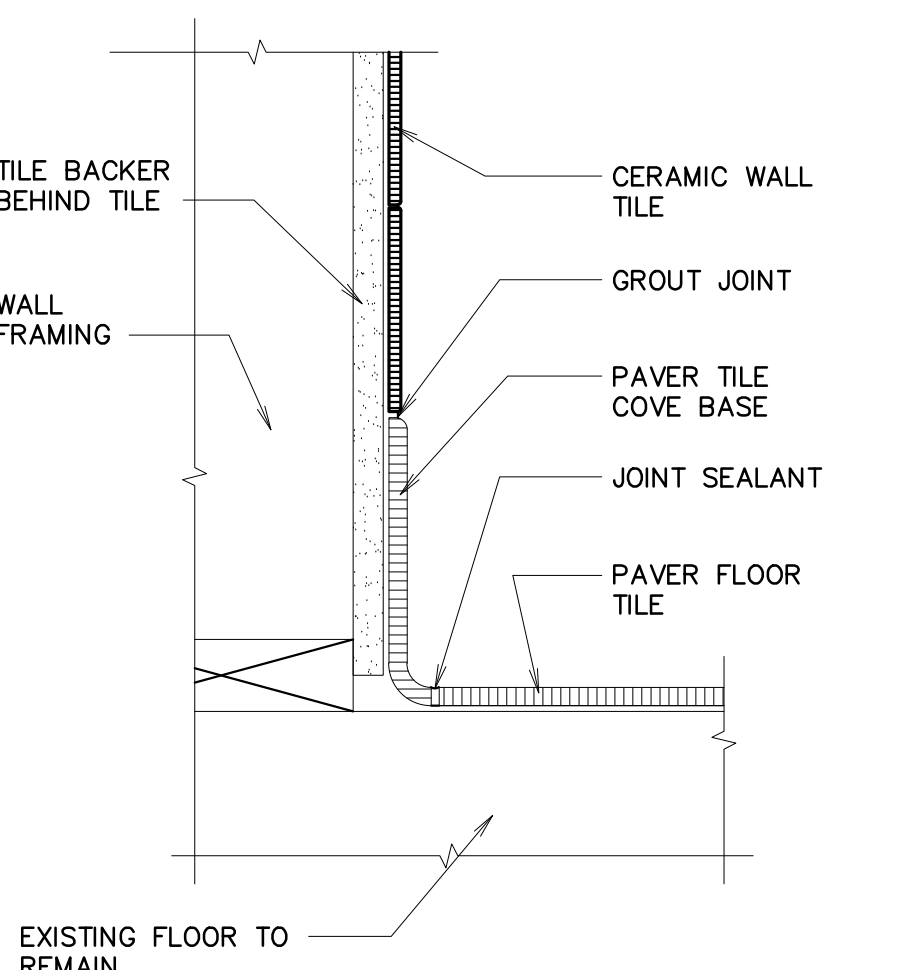
SHEET:
A421



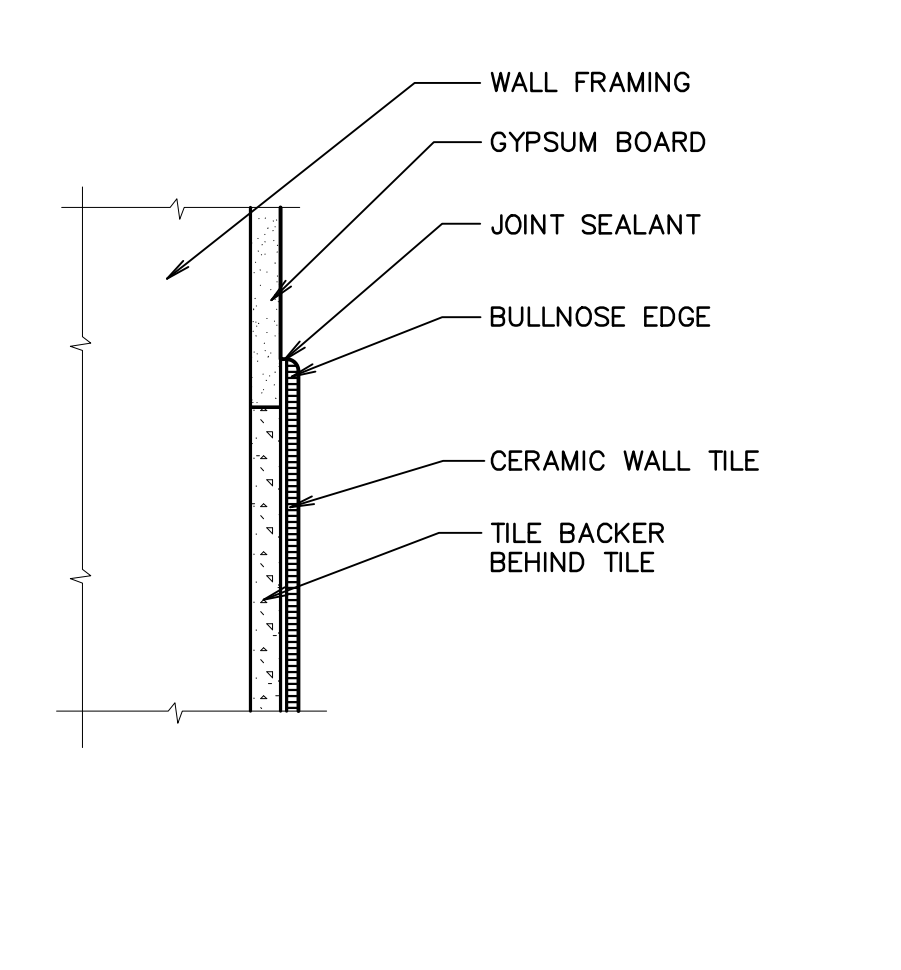
A CARPET BASE DETAIL
6" = 1'-0"



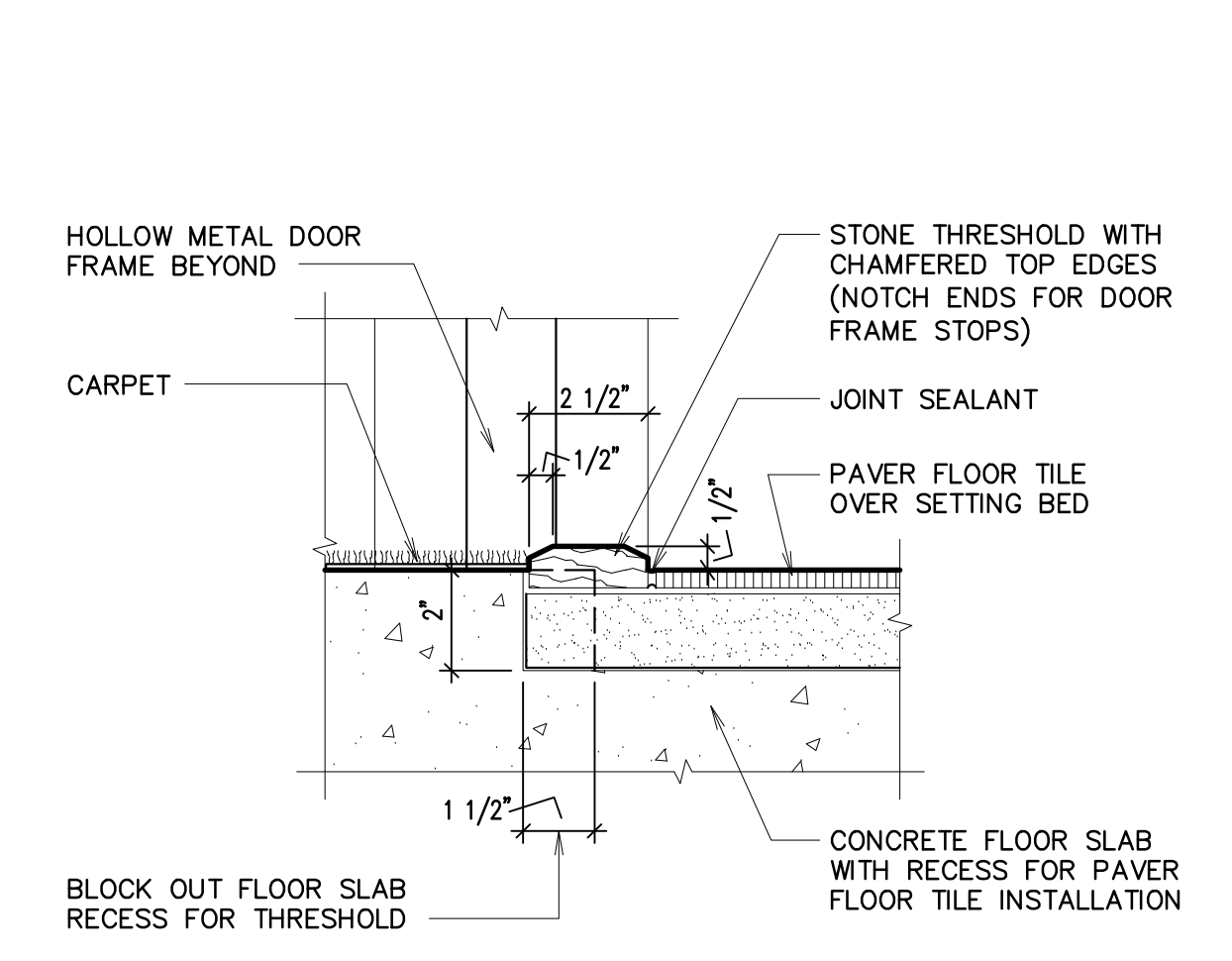
B PAVER TILE BASE
3" = 1'-0"



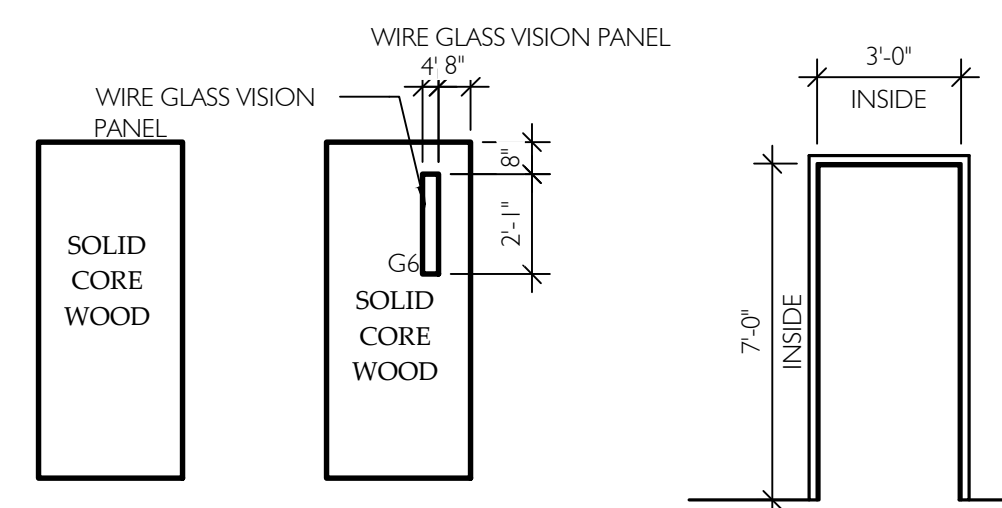
C PAVER TILE BASE
3" = 1'-0"



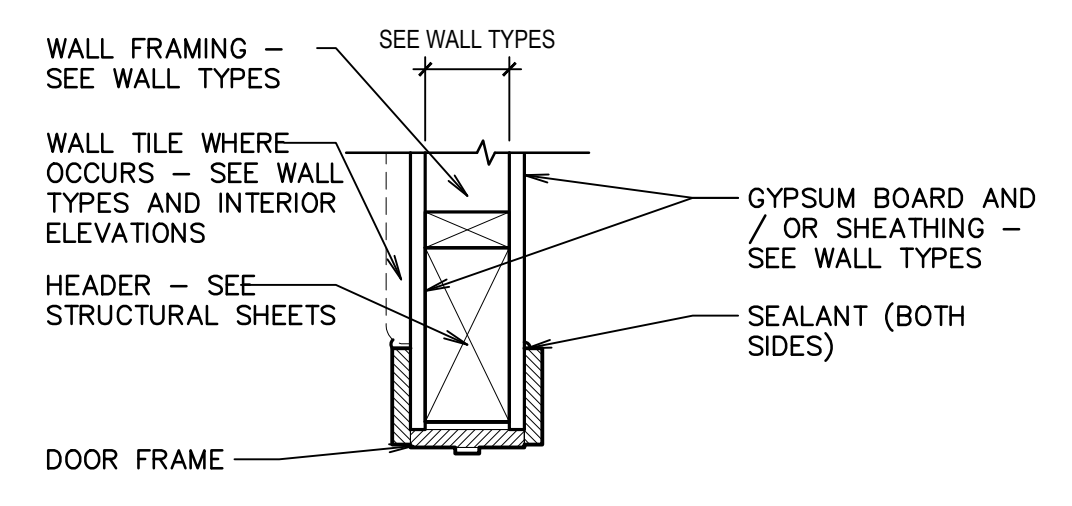
D WALL TILE EDGE
3" = 1'-0"



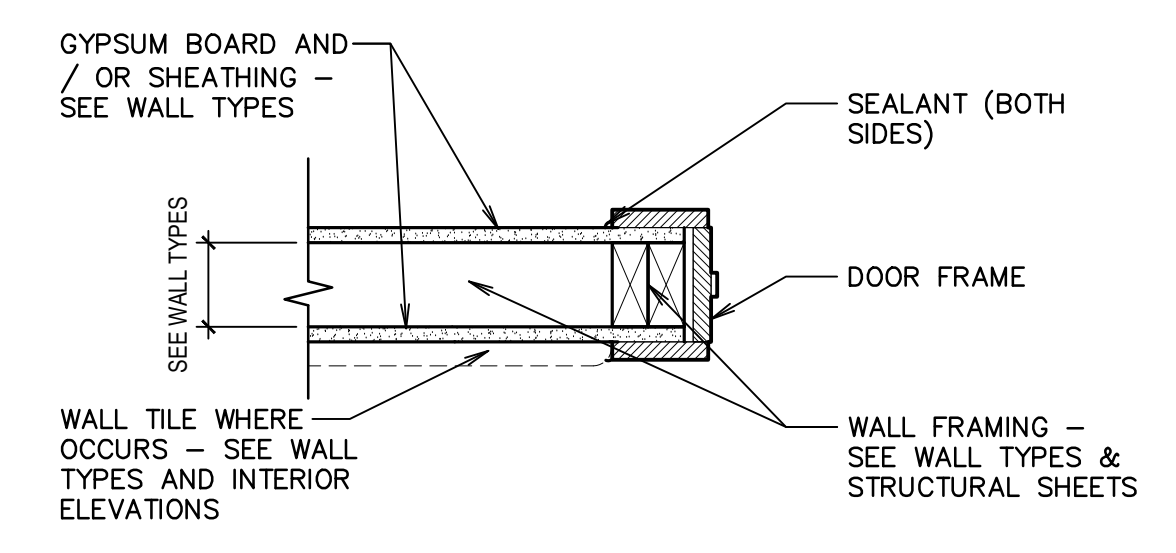
E STONE THRESHOLD DETAIL
3" = 1'-0"



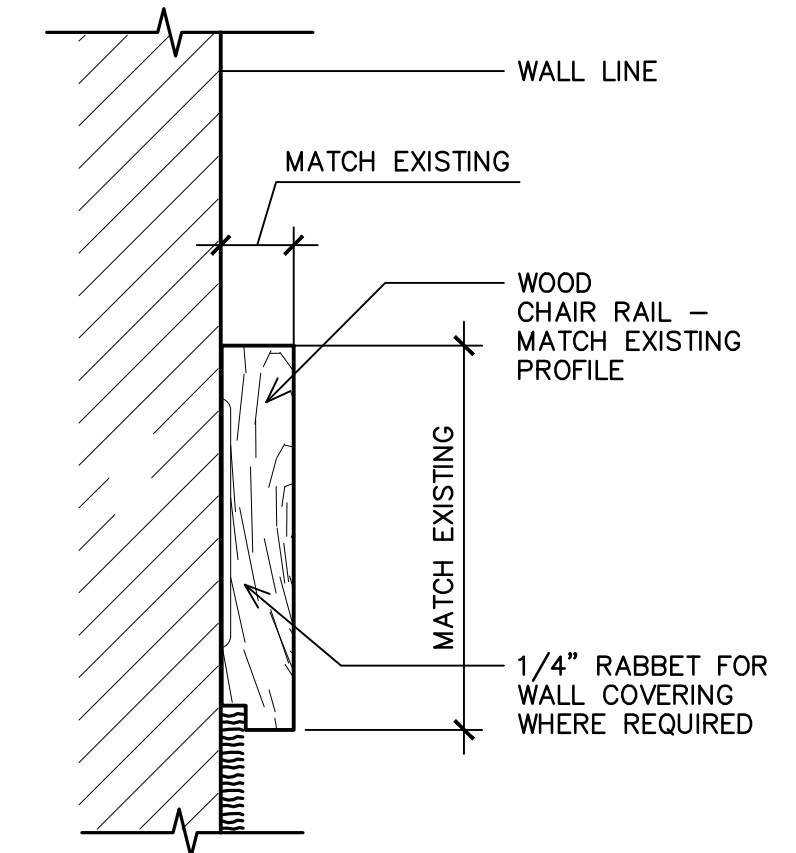
F DOOR AND FRAME TYPES
1/4" = 1'-0"



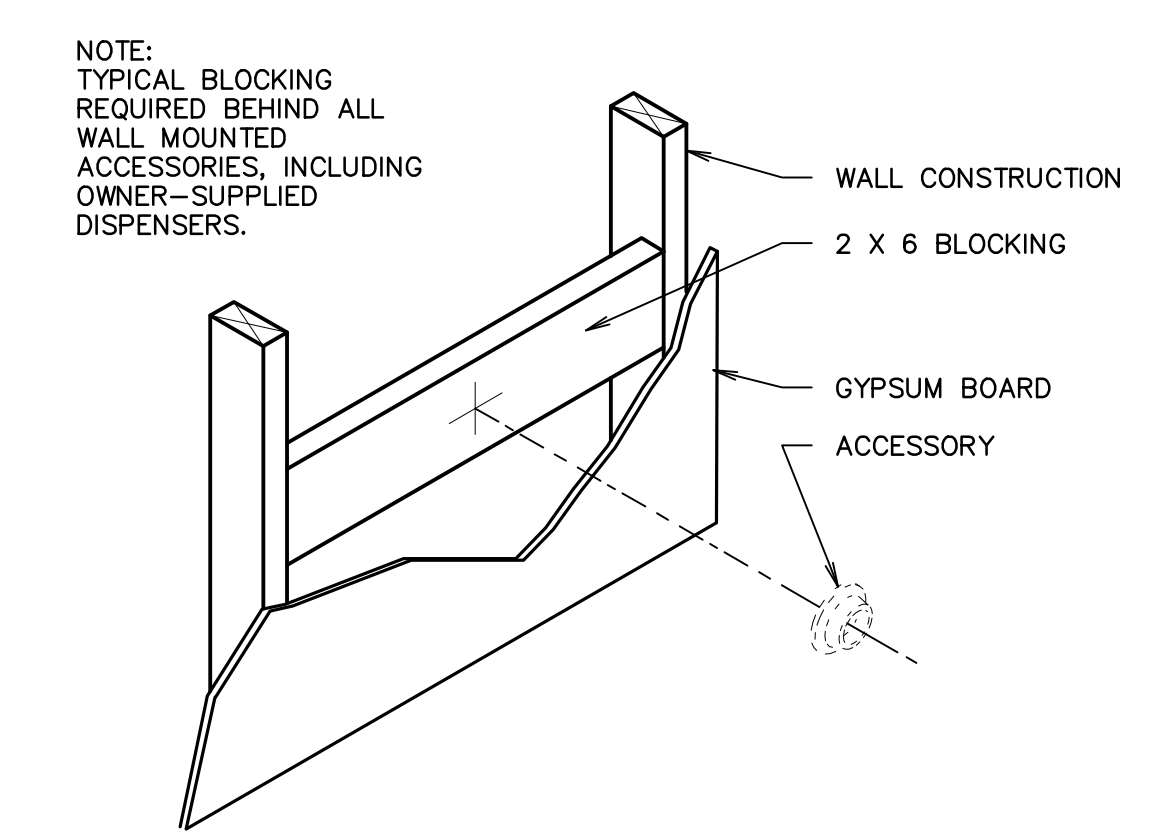
G HEAD
1 1/2" = 1'-0"



H JAMB
1 1/2" = 1'-0"

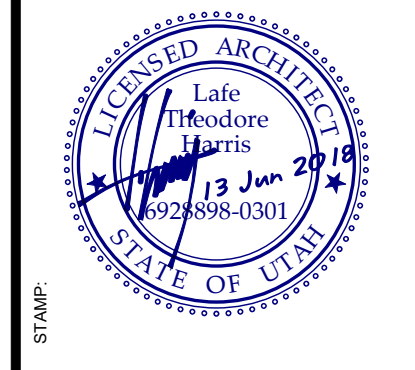


J CHAIR RAIL DETAIL
6" = 1'-0"



K TYPICAL BLOCKING DETAIL
NOT TO SCALE

DRAWING REVISION SCHEDULE	
#	DATE
1	13 Jun 2018
	Owner Review



bb ARCHITECTS

65 E. Wadsworth Park Dr., Ste. 205
Draper, Utah 84020
Phone: 801.571.0010
Fax: 801.571.0023
Toll Free: 888.571.0010
bbarchitects.com

PROJECT FOR:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
Orem UT Cherry Hill Stake

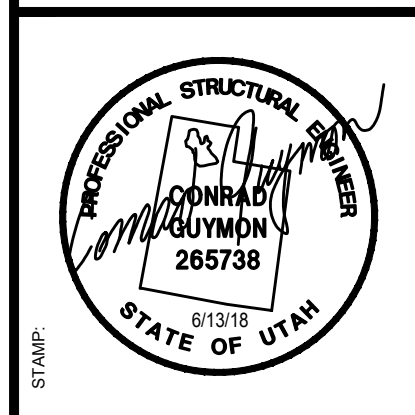
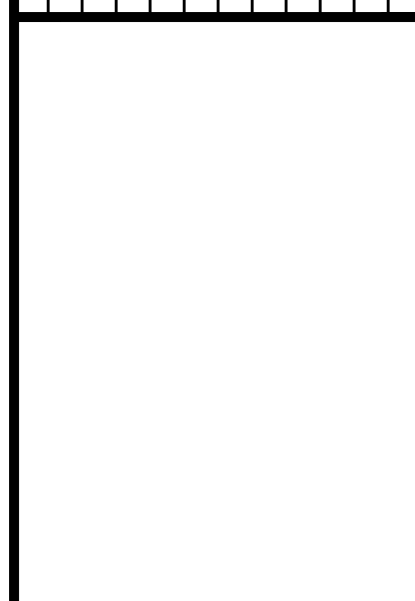
1700 South 400 East
Orem, Utah

PROPERTY # 505-1975
PLAN SERIES: N/A
BIDDING PROJECT # 1822
DATE: 13 Jun 2018

SHEET TITLE: MISCELLANEOUS DETAILS

SHEET: A501

#	DATE	DESCRIPTION
1	3 May 2018	Client Review



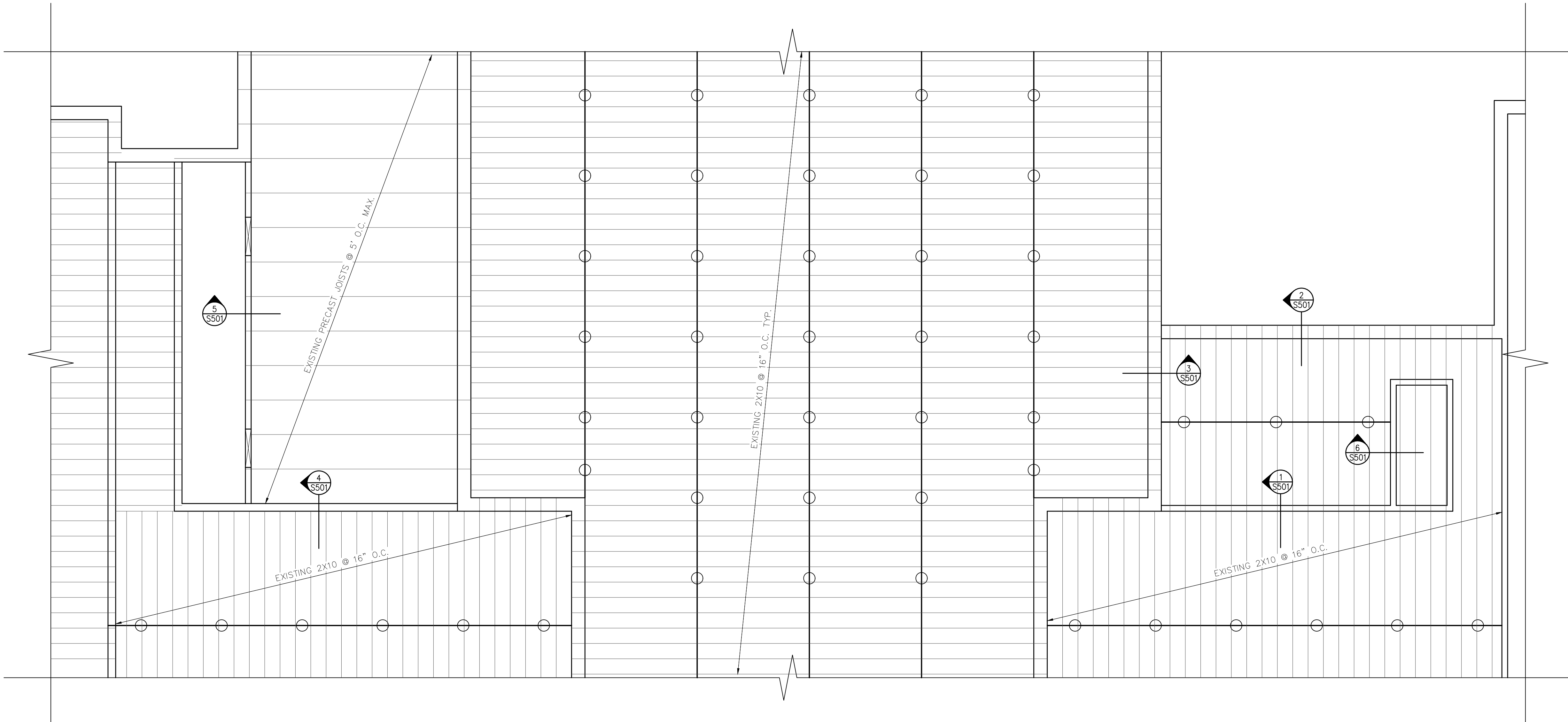
bb ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205
 Draper, Utah 84020
 Phone: 801.571.0010
 Fax: 801.571.0003
 Toll Free: 888.571.0010
 bbarchitects.com

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

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
 Orem UT Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BID#/PROJECT # 1822
 DATE 3 May 2018
 PLAN SERIES: N/A
 PROPERTY # 505-1975

SHEET TITLE:
MAIN FLOOR FRAMING PLAN

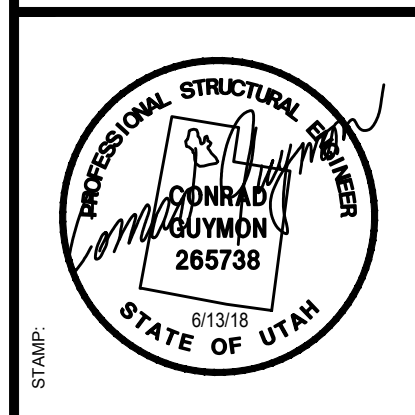
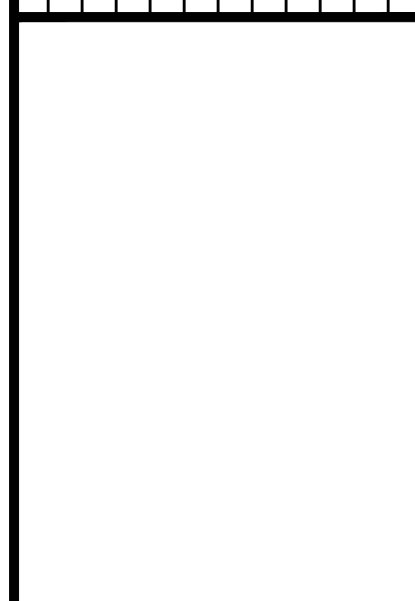
SHEET:
S101



MAIN FLOOR FRAMING PLAN (1) — 3/16"=1'-0"

NAME

#	DATE	DESCRIPTION	Owner/Revised
1	3 May 2018		



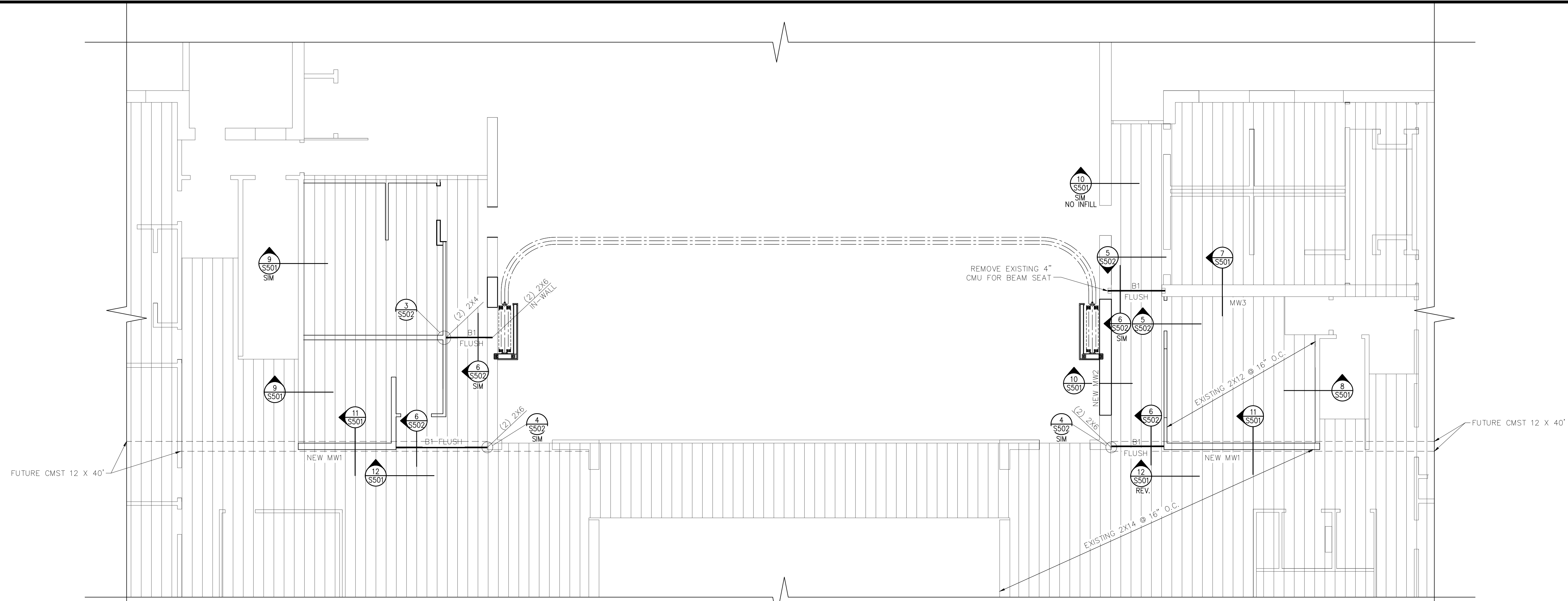
bb ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205 • Phone: 801.571.0010
 Draper, Utah 84020 • Fax: 801.571.0033
 Toll Free: 888.571.0010
 bbarchitects.com

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

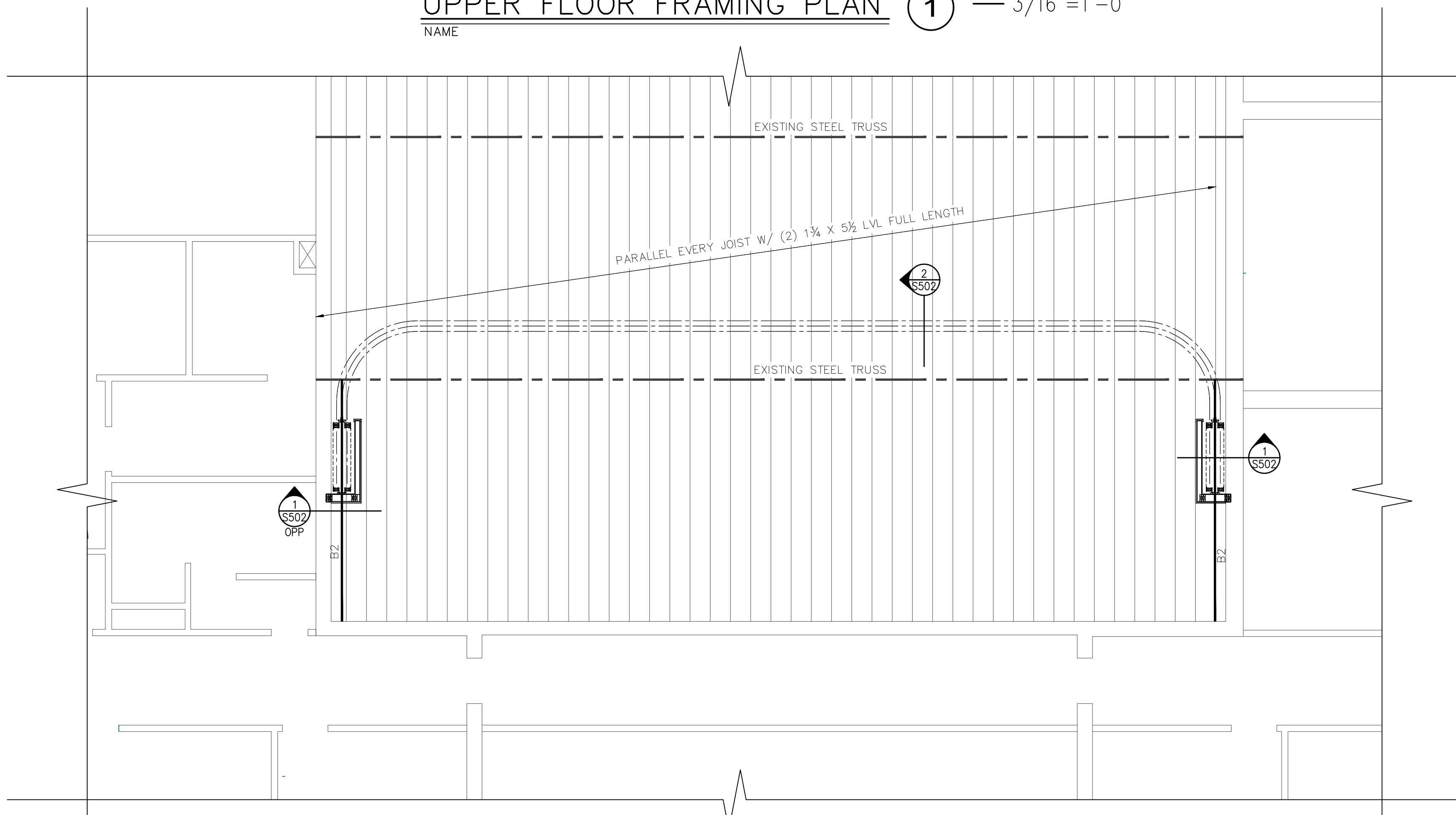
Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BID/PROJECT #: 1822
 PLAN SERIES: N/A
 PROPERTY #: 505-1975

SHEET TITLE:
UPPER FLOOR FRAMING PLAN

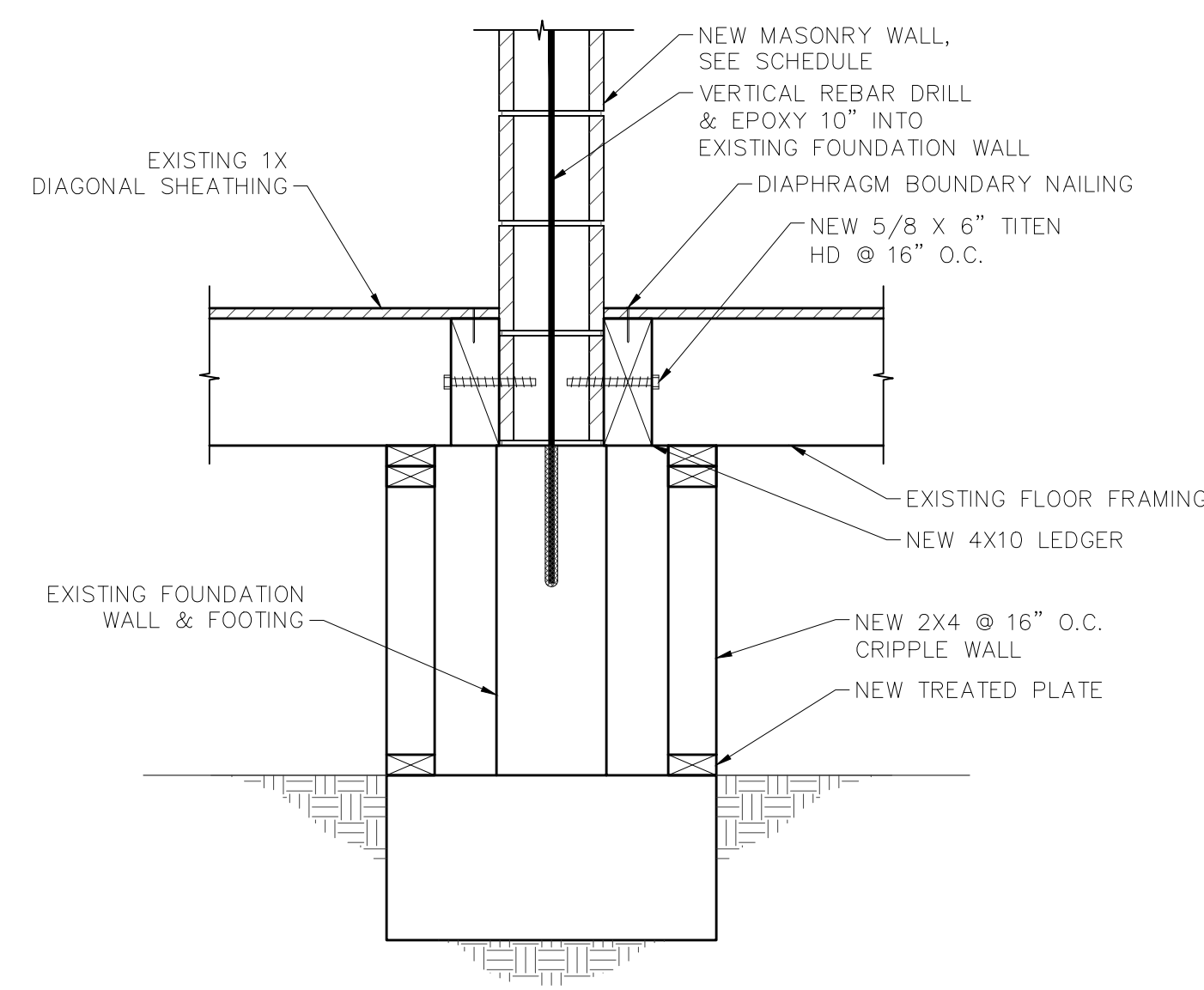
SHEET:
S102



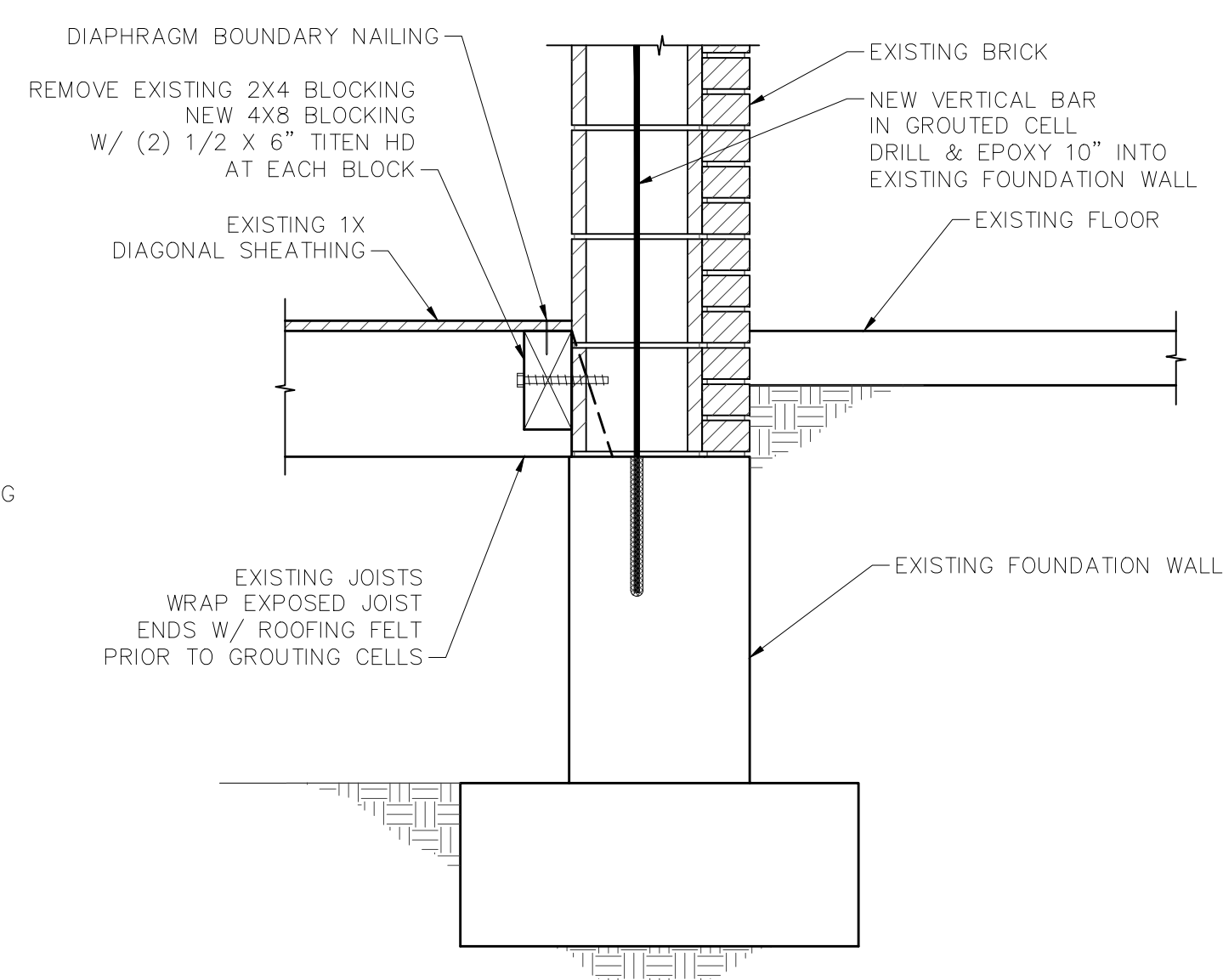
UPPER FLOOR FRAMING PLAN (1) — 3/16"=1'-0"
 NAME



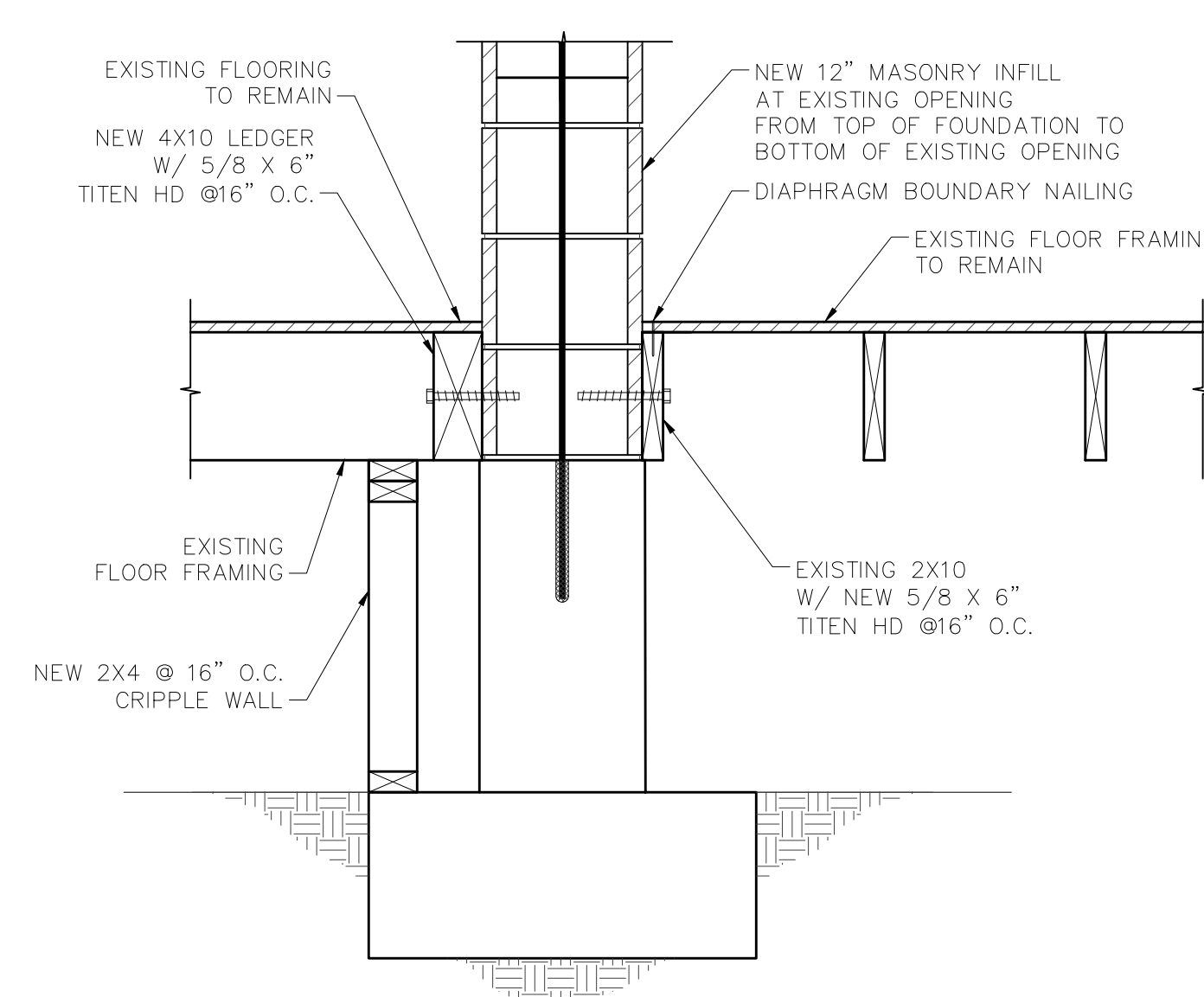
CEILING FRAMING PLAN (2) — 3/16"=1'-0"
 NAME



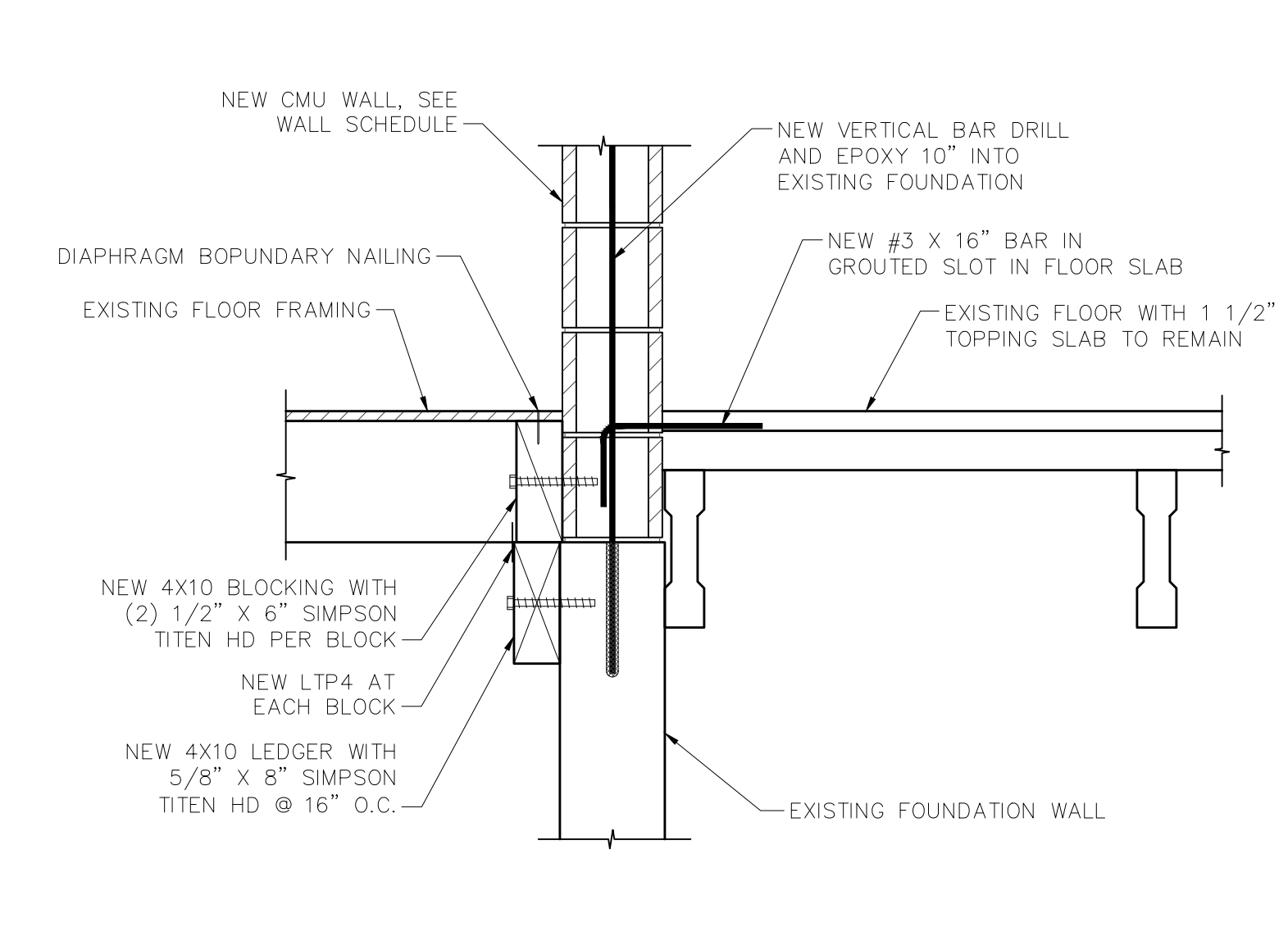
DETAIL 1 — 1"=1'-0"
DET4



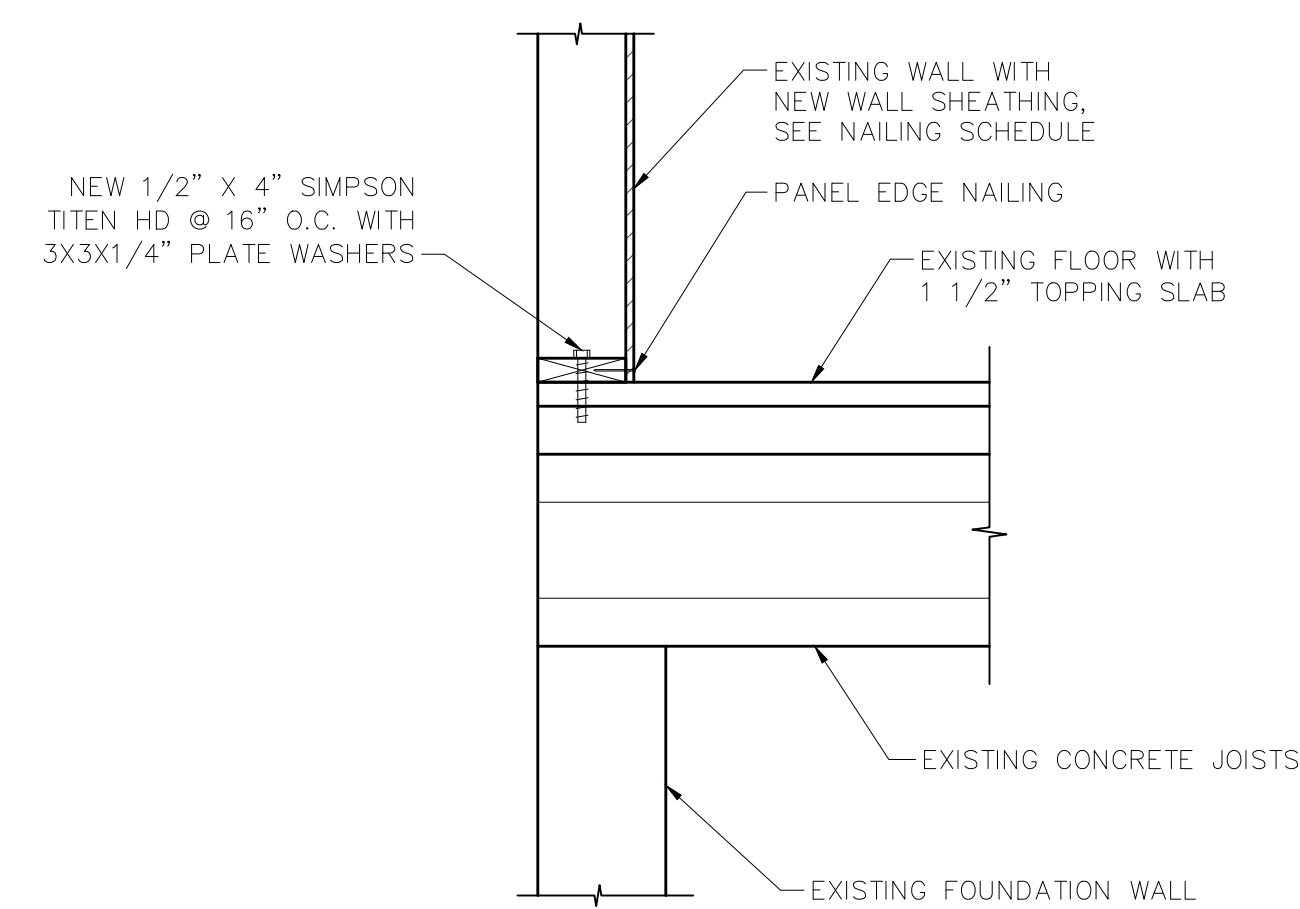
DETAIL 2 — 1"=1'-0"
DET6



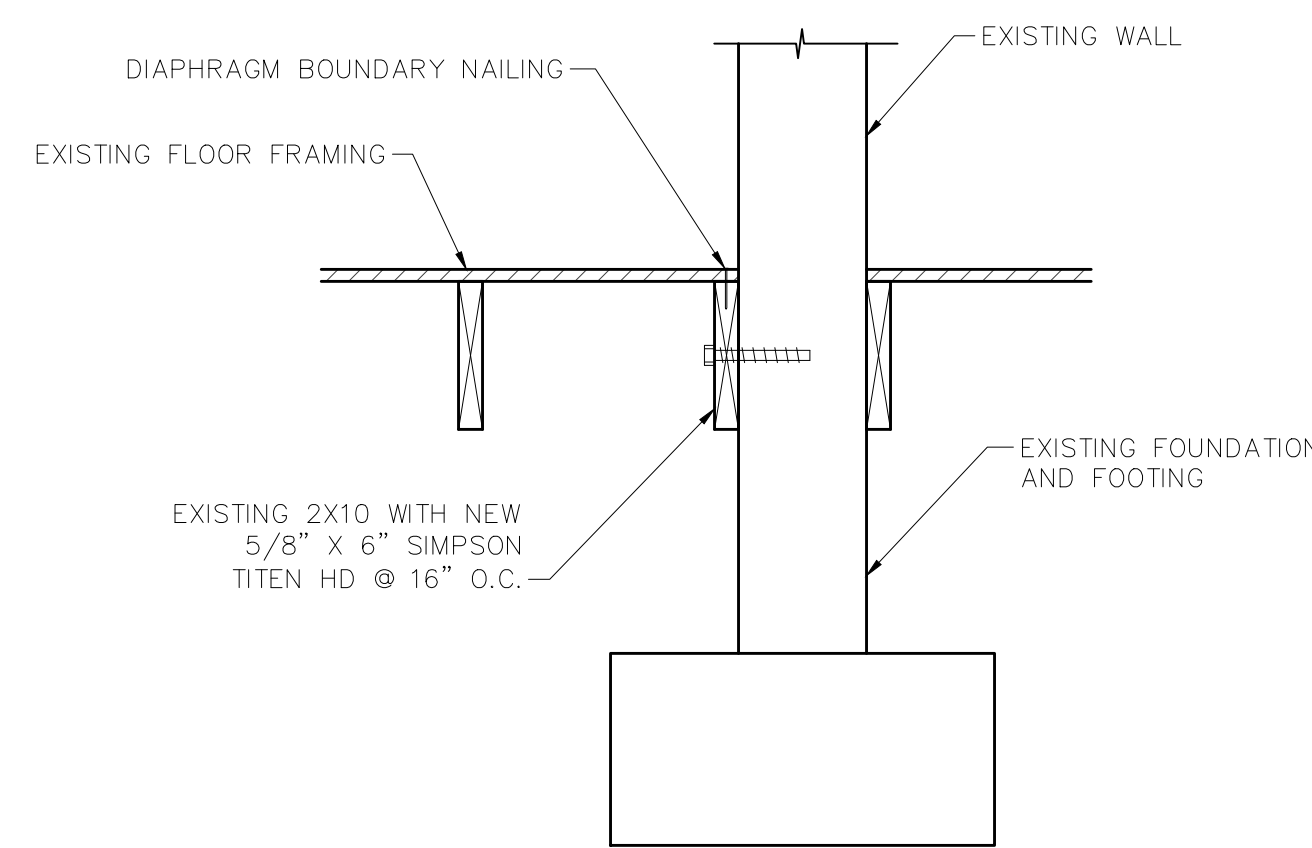
DETAIL 3 — 1"=1'-0"
DET5



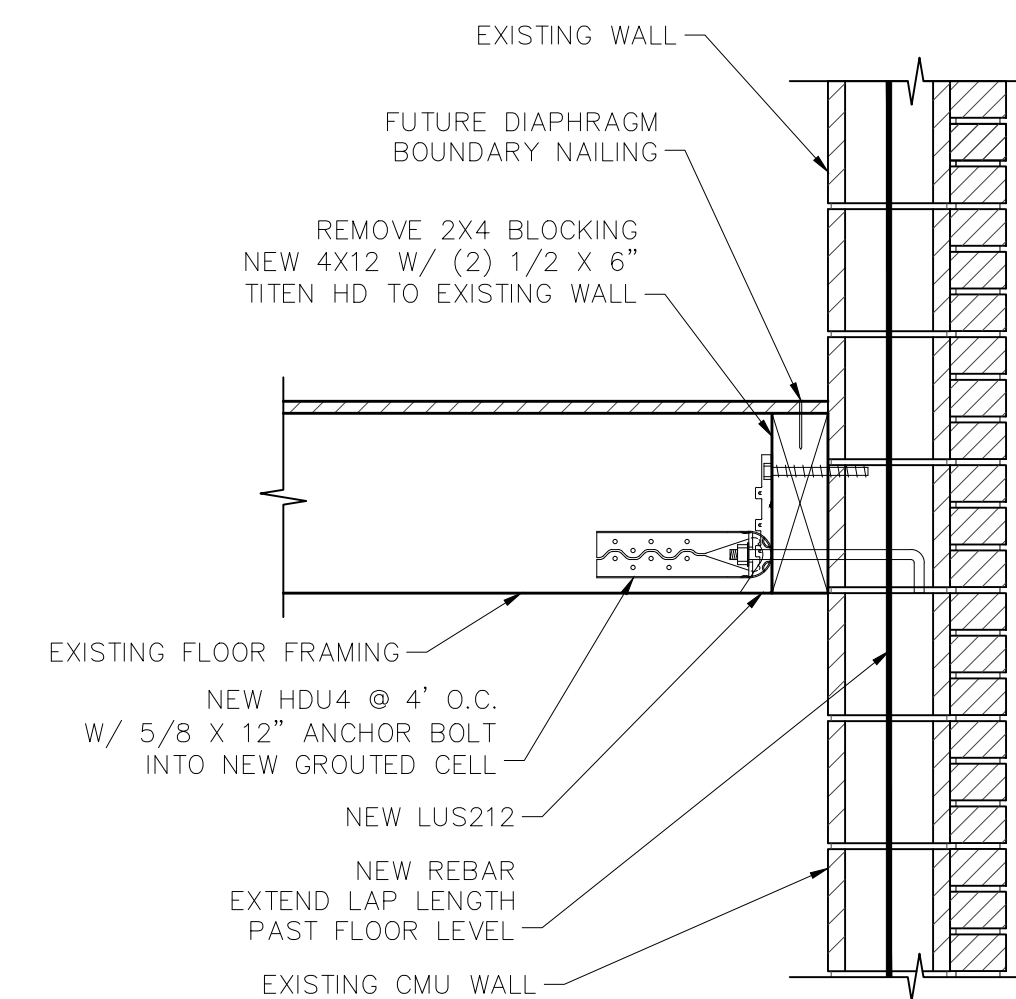
DETAIL 4 — 1"=1'-0"
DET2



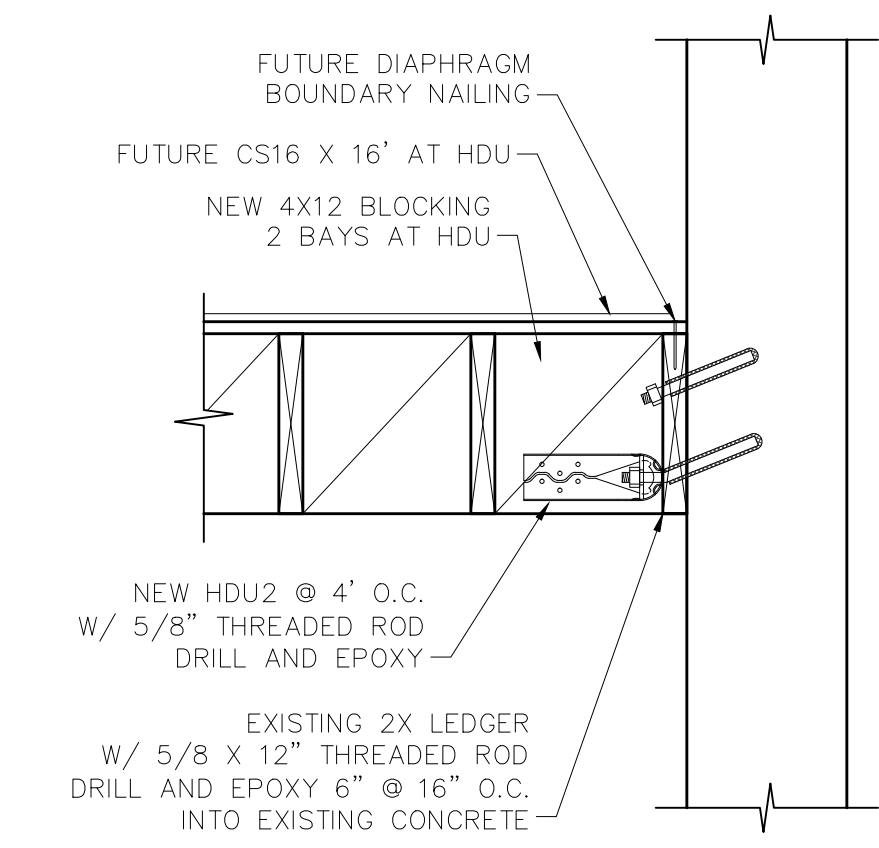
DETAIL 5 — 1"=1'-0"
DET3



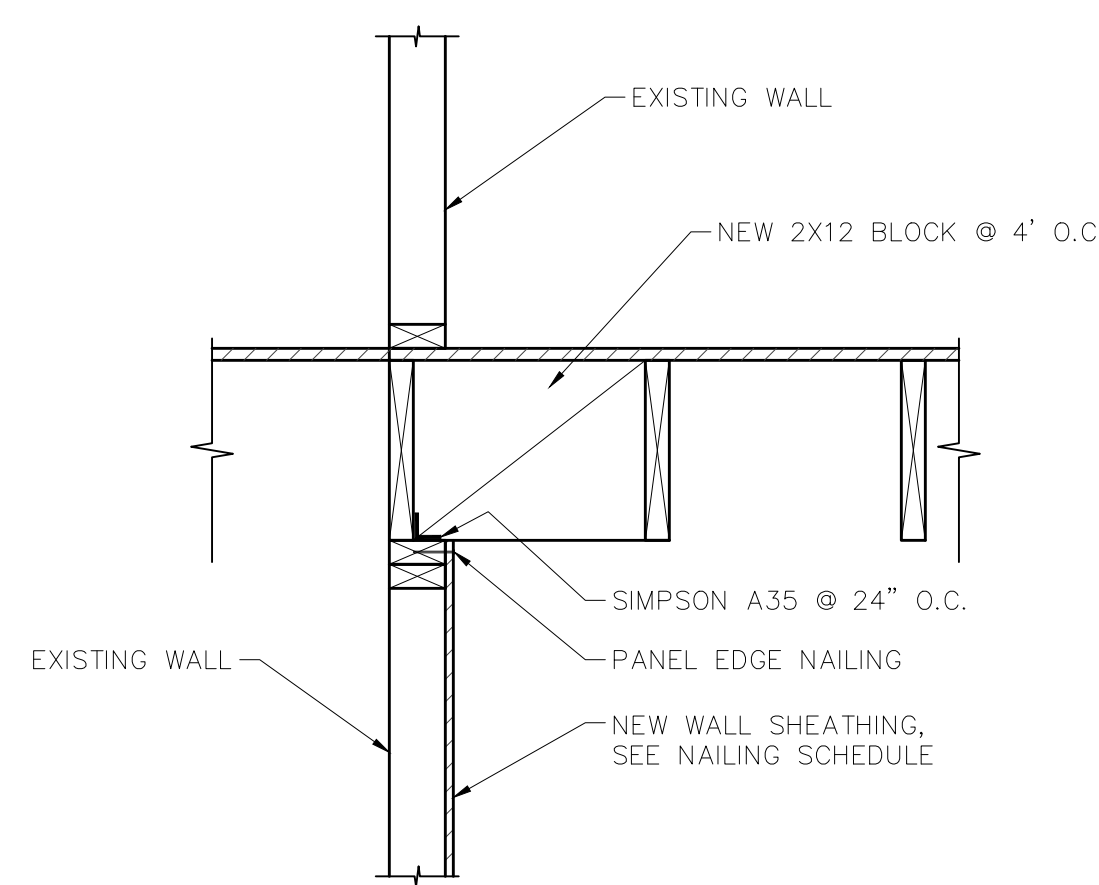
DETAIL 6 — 1"=1'-0"
DET1



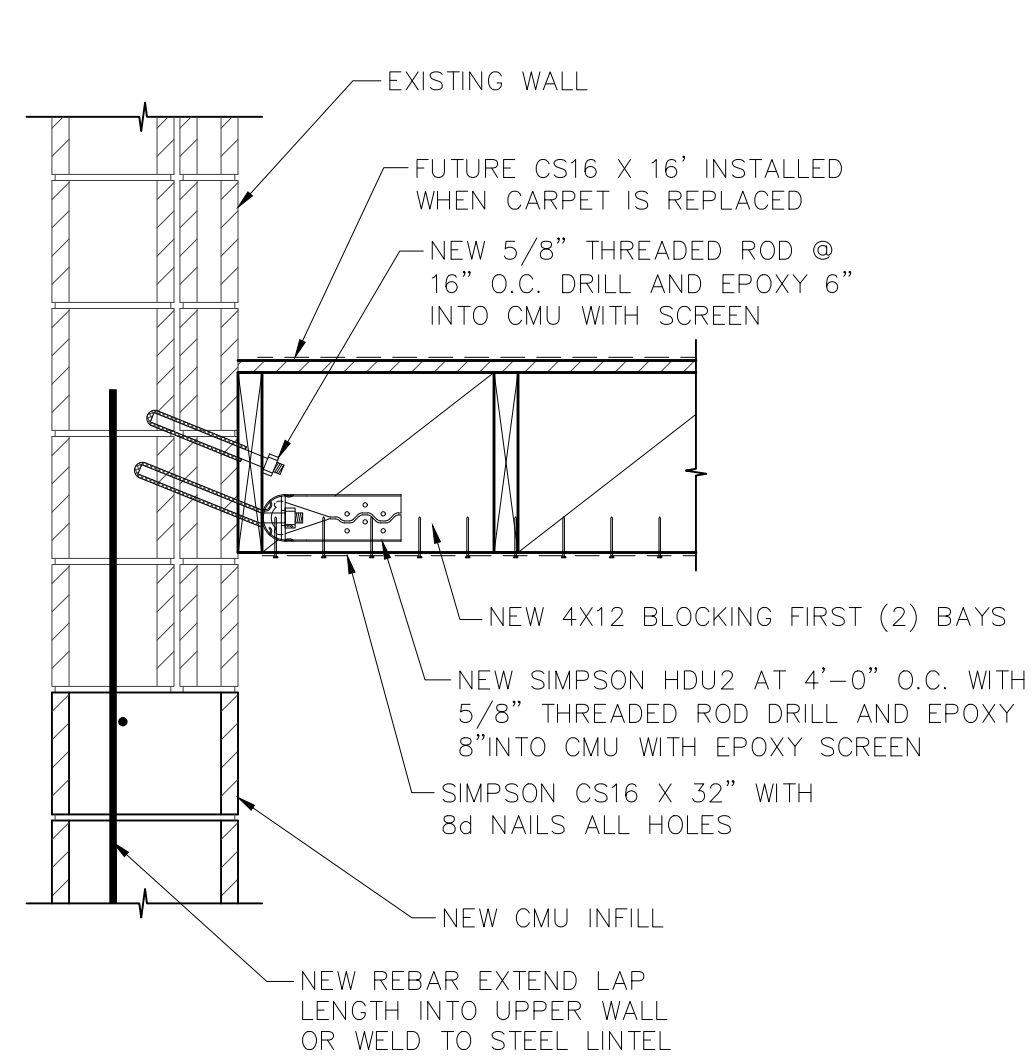
DETAIL 7 — 1"=1'-0"
DET11



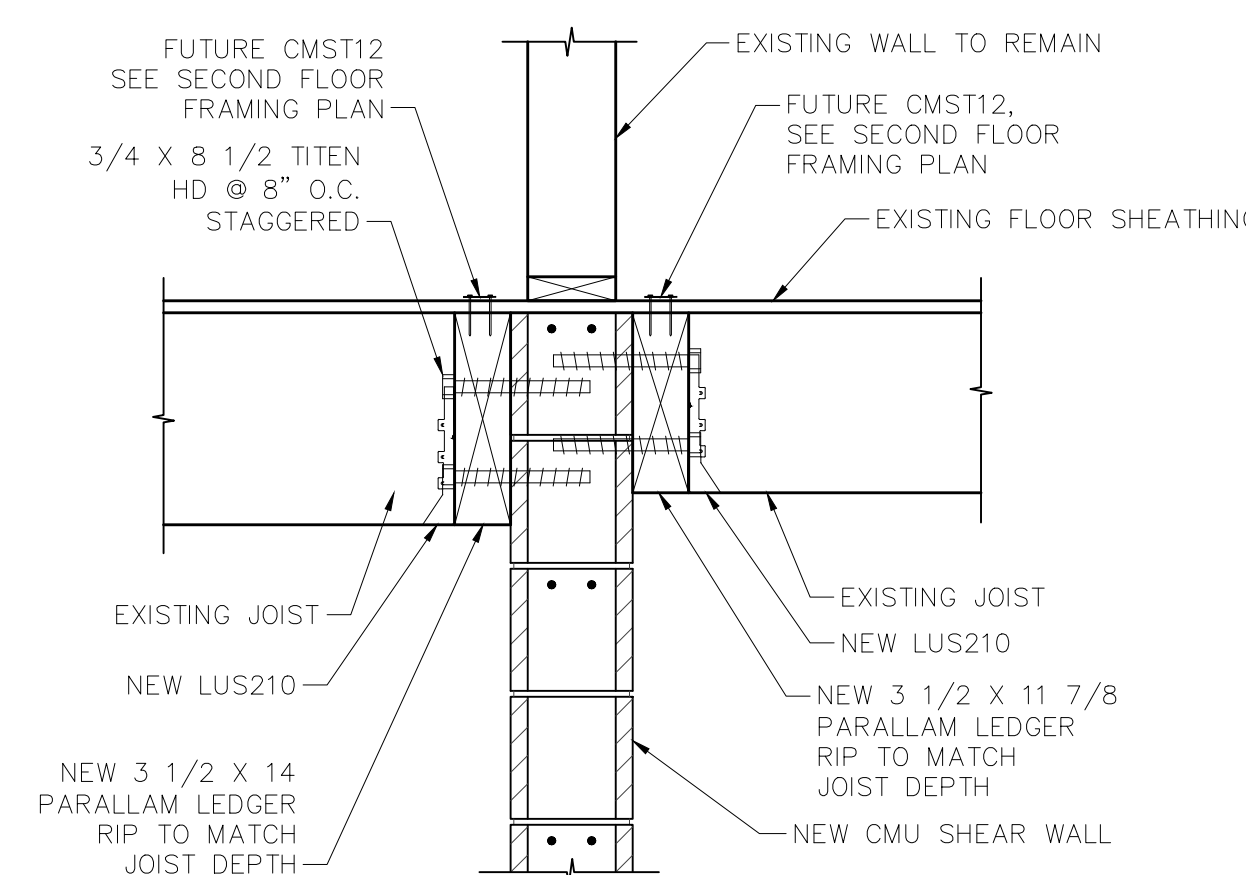
DETAIL 8 — 1"=1'-0"
DET8



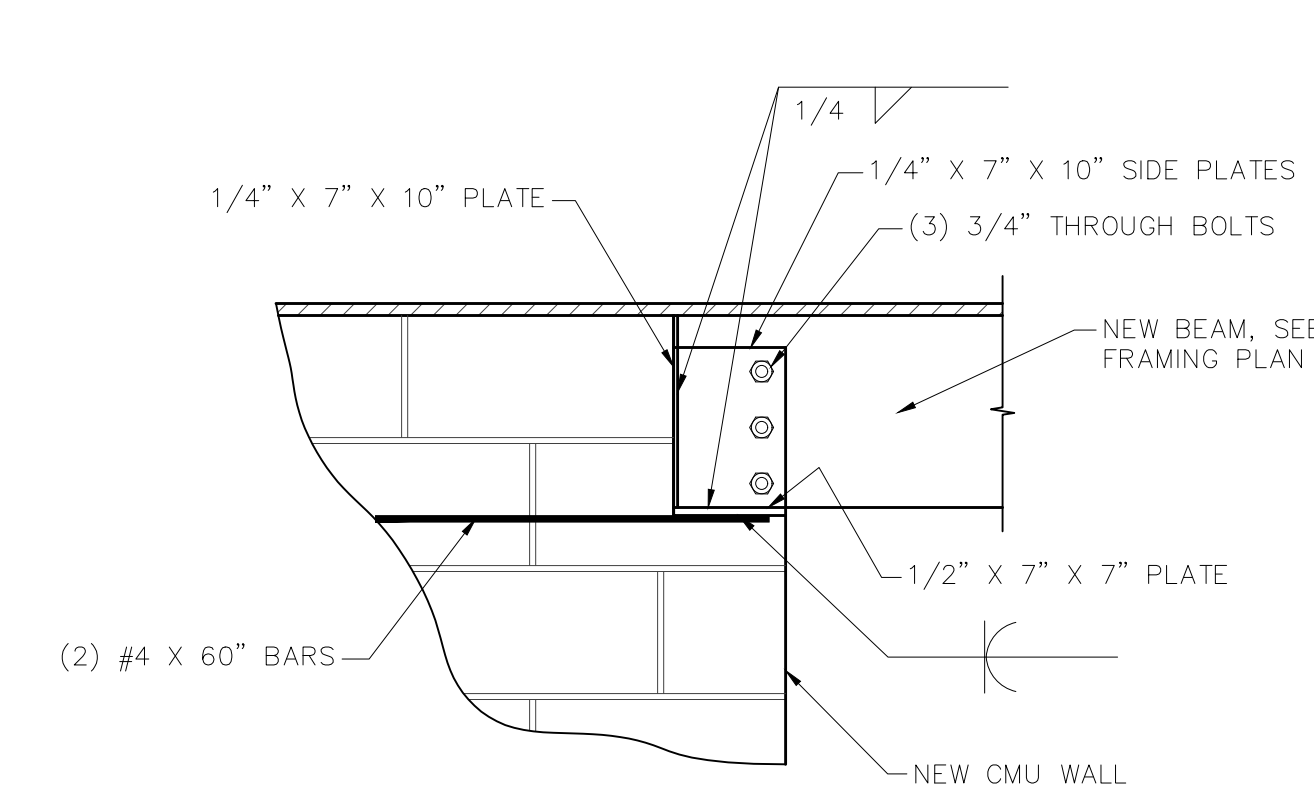
DETAIL 9 — 1"=1'-0"
DET7



DETAIL 10 — 1"=1'-0"
DET12

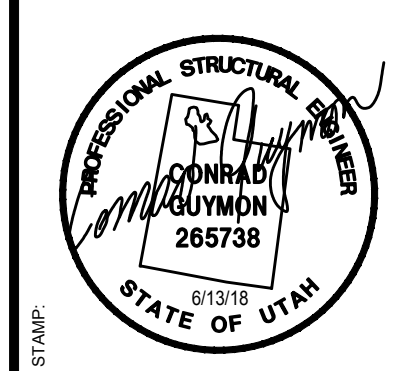


DETAIL 11 — 1"=1'-0"
DET13



DETAIL 12 — 1"=1'-0"
NAME

NO.	DATE	DESCRIPTION
1	3 May 2018	Client Review



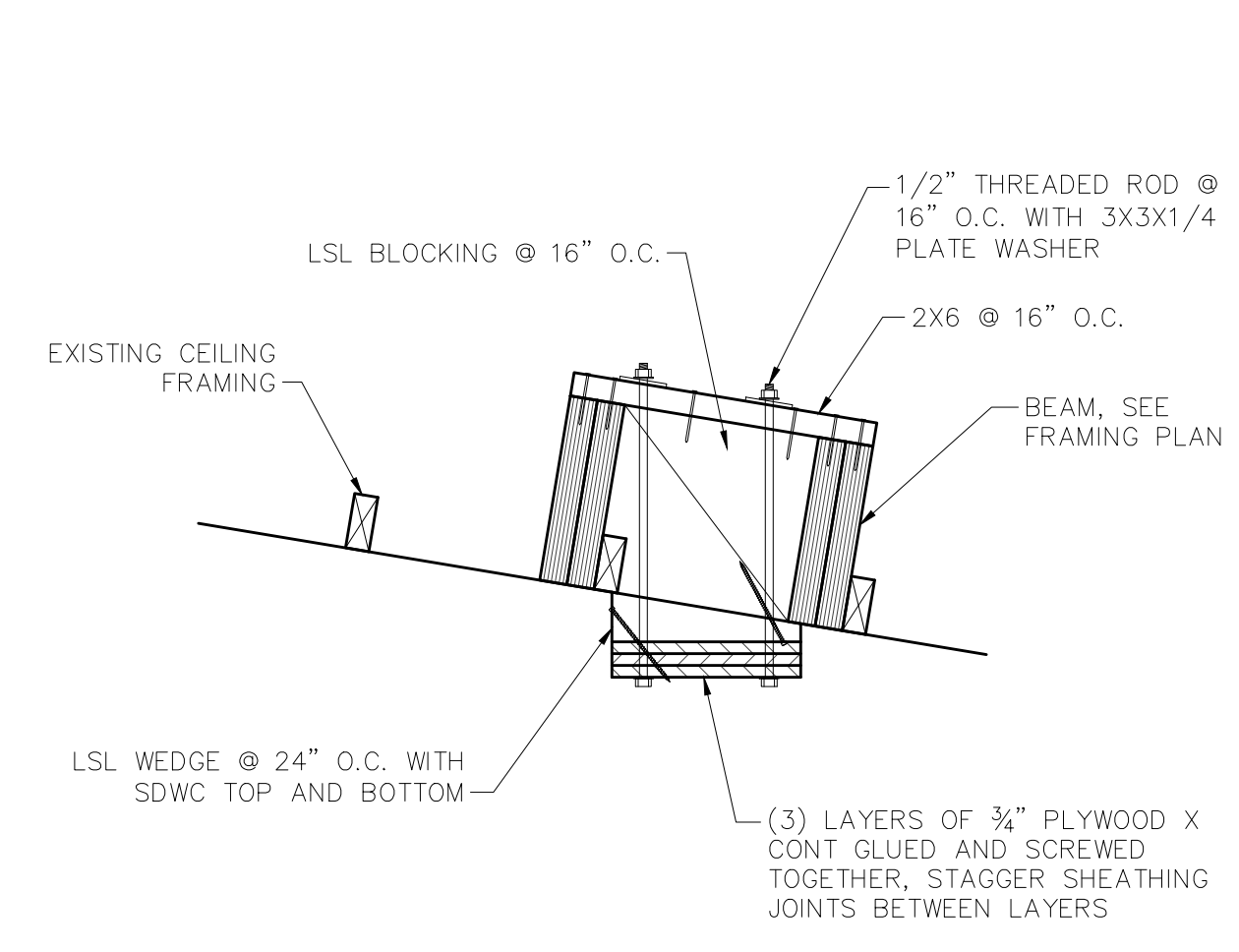
bb ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205
 Draper, Utah 84020
 Phone: 801.571.0010
 Fax: 801.571.0003
 Toll Free: 888.571.0010
 bbarchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

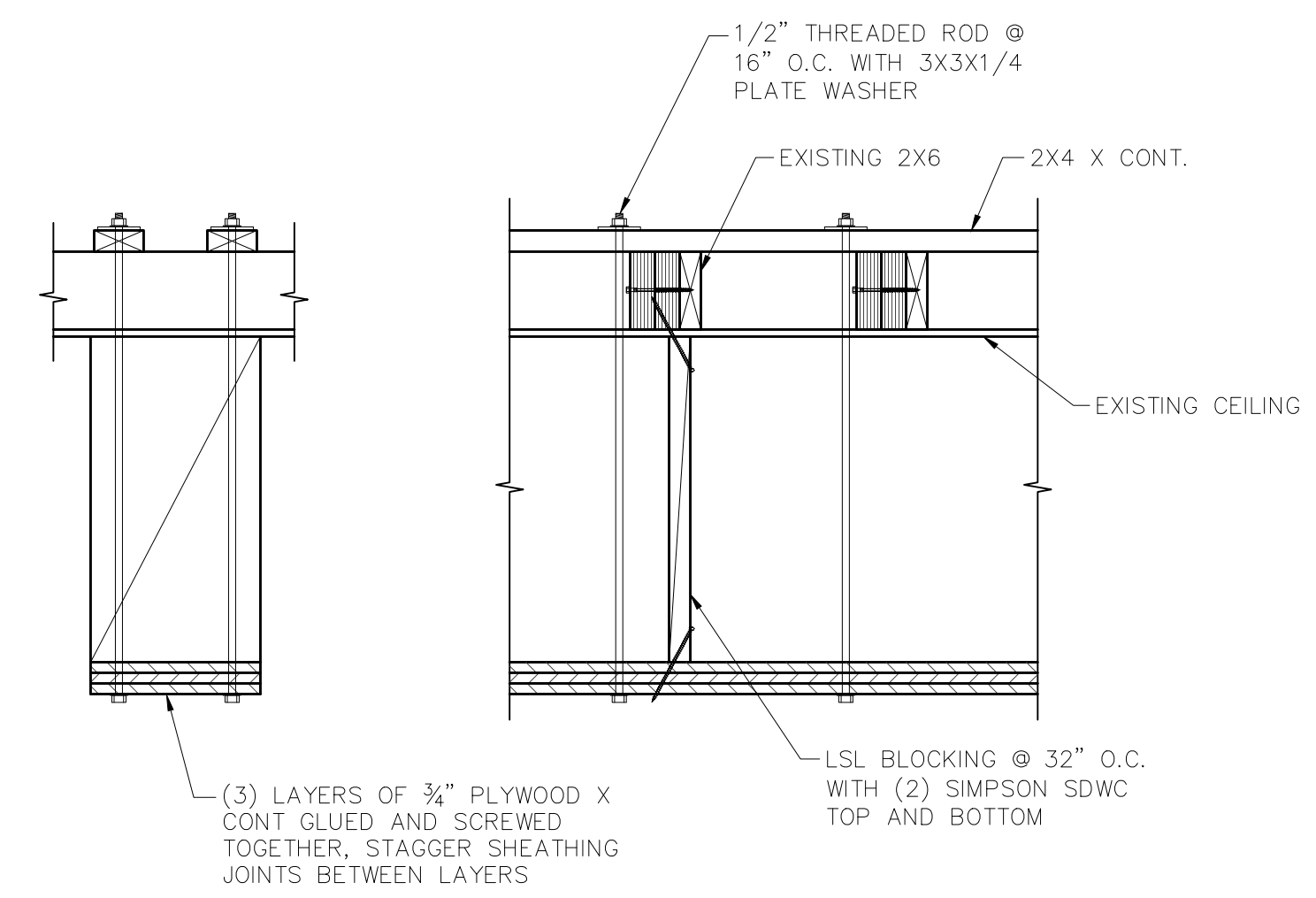
Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
Orem UT Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BIDD PROJECT # 1822
 PLAN SERIES: N/A
 PROPERTY # 505-1975

SHEET TITLE: **DETAILS**
 SHEET: **S501**

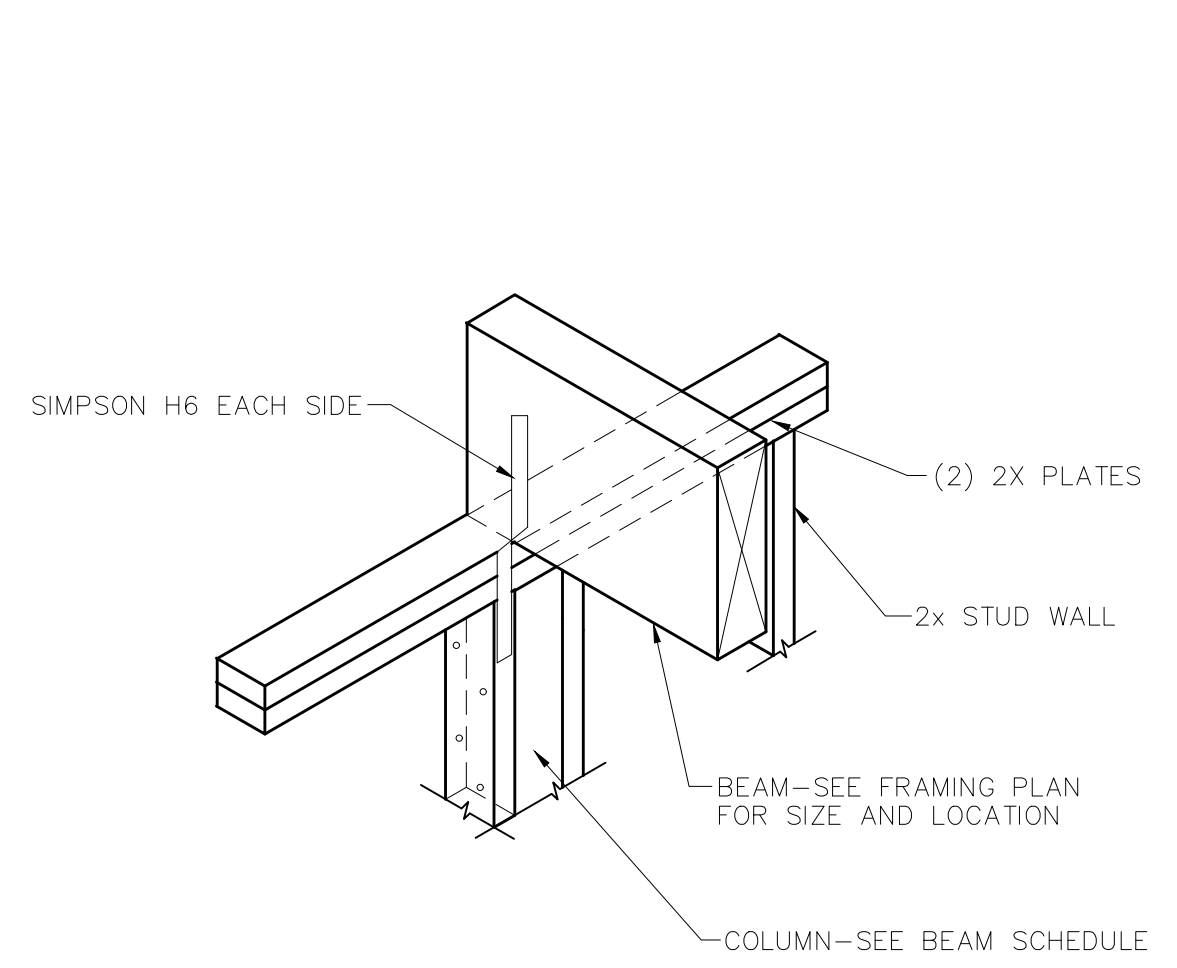
#	DATE	DESCRIPTION
1	3 May 2018	Client Review



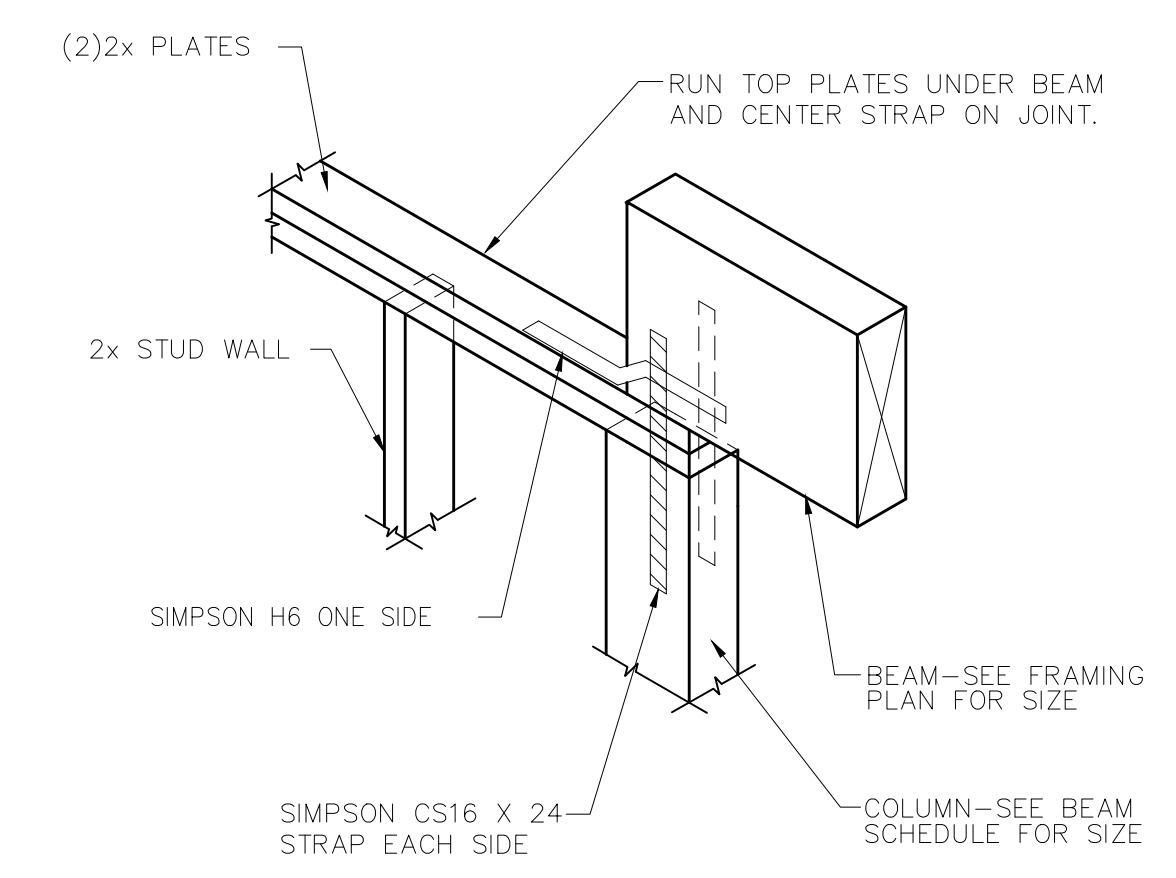
DETAIL 1 — 1"=1'-0"
DET9



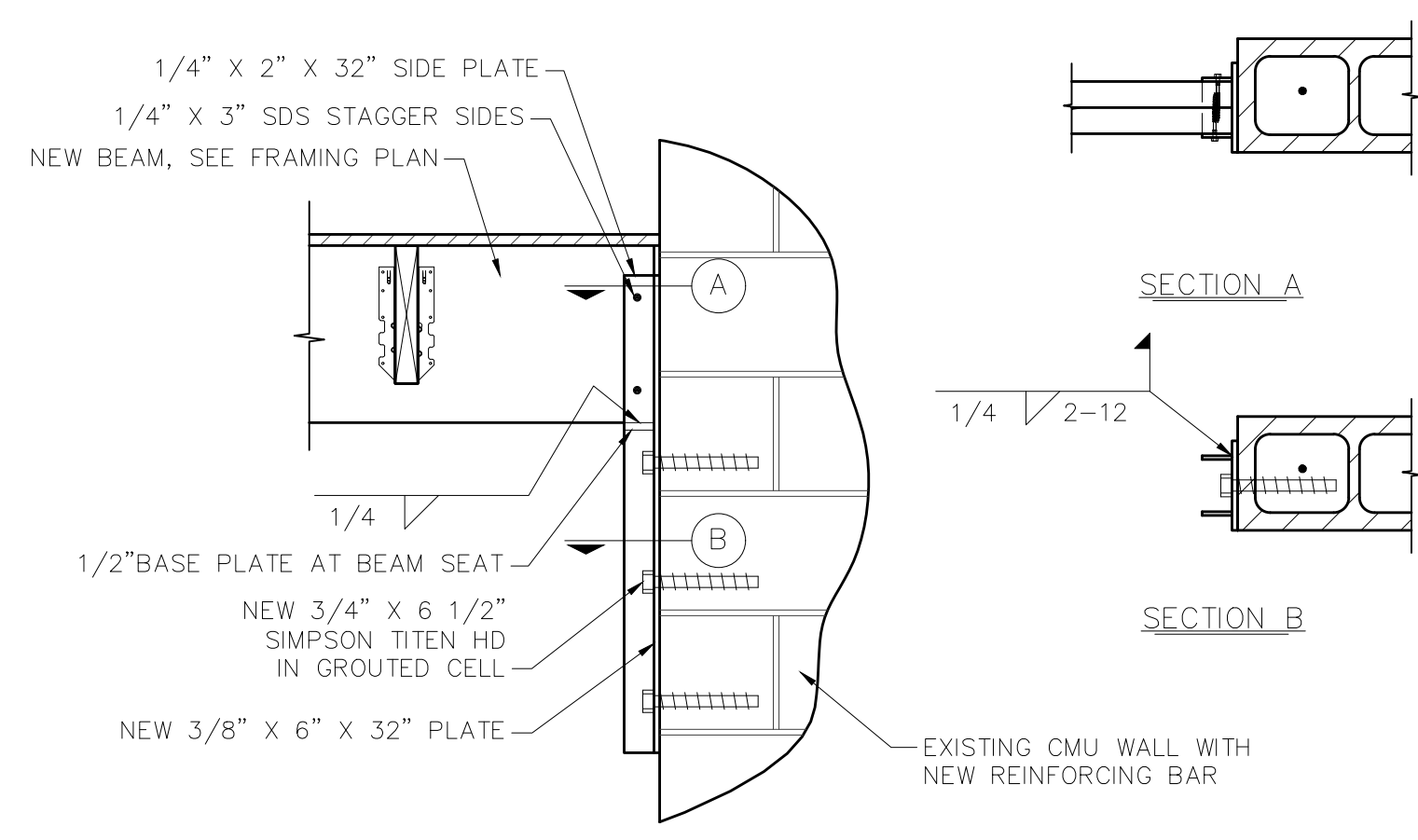
DETAIL 2 — 1"=1'-0"
DET10



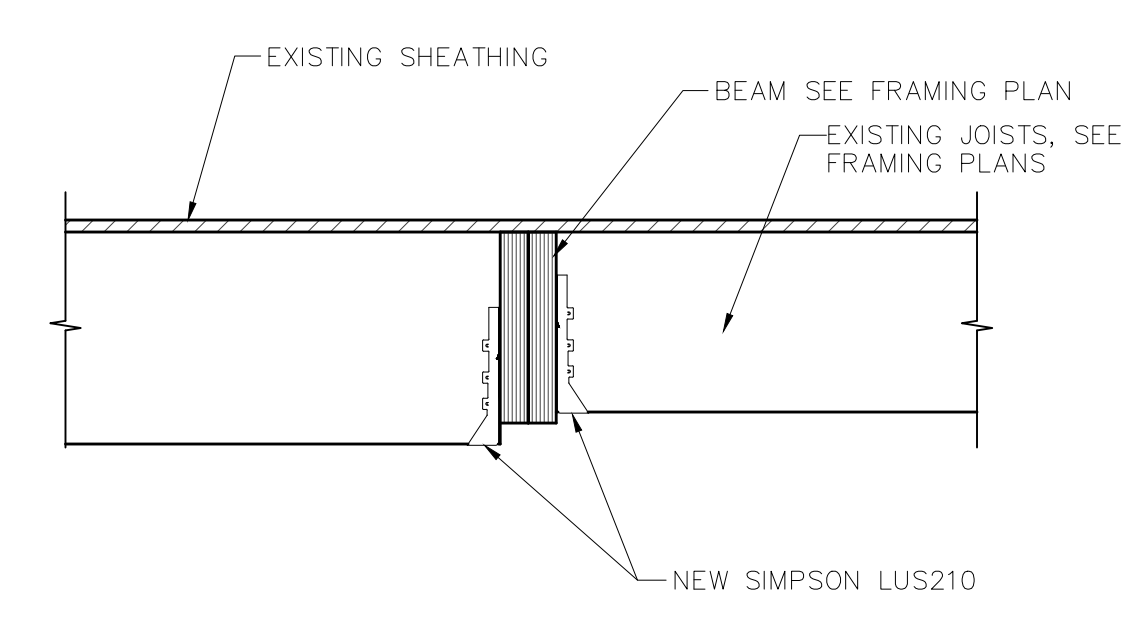
DETAIL 3 — 1"=1'-0"
GLBTOW



DETAIL 4 — 1"=1'-0"
GLBTOW2



DETAIL 5 — 1"=1'-0"
DET15



JOIST CONNECTION 6 — 1"=1'-0"
TJIWBW



bb ARCHITECTS
65 E. Wadsworth Park Dr., Ste. 205
Draper, Utah 84020
Phone: 801.571.0010
Fax: 801.571.0003
Toll Free: 888.571.0010
bbarchitects.com

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

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
1700 South 400 East
Orem, Utah
BIDD PROJECT # 1822
DATE 3 May 2018
PROPERTY # 505-1975
PLAN SERIES N/A

SHEET TITLE:
DETAILS

SHEET:
S502

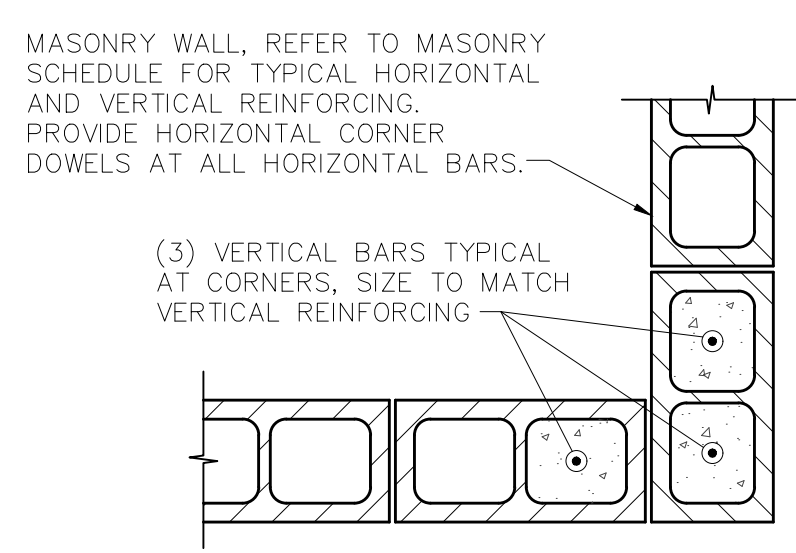
DESIGN CRITERIA		
DESIGN CRITERIA	2015 INTERNATIONAL EXISTING BUILDING CODE (ASCE 7-10)	
SEISMIC	RISK CATEGORY (ASCE 7-10 TABLE 1.5-1 pg 2)	III
	IBC SEISMIC IMPORTANCE FACTOR (ASCE 7-10 TABLE 1.5-2 pg 5)	$I_F = 1.25$ (OWNER'S REQUIREMENT)
	MAPPED SPECTRAL RESPONSE ACCELERATION:	
	MAPPED VALUE OF S_s (FOR ALL CALCULATIONS EXCEPT C_s)	$S_s = 1.227$
	VALUE OF S_s USED TO CALCULATE C_s (LIMIT S_s TO 1.5 PER ASCE7-10 12.6.1.3 pg 90)	$S_s = 1.227$
	S_1 PER ASCE 7-10 11.4.1. (pg 65)	$S_1 = 0.434$
	SOIL SITE CLASS (SEE ASCE 7-10 TABLE 20.3-1 pg 204) PER ASCE 7-10, USE CLASS D UNLESS OTHER INFORMATION IS PROVIDED	D
	SITE COEFFICIENT F_a PER ASCE 7-10 TABLE 11.4-1 pg 66	$F_a = 1.009$
	SITE COEFFICIENT F_v PER ASCE 7-10 TABLE 11.4-2 pg 66	$F_v = 1.556$
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	$S_{DS} = 0.825$ $S_{D1} = 0.453$
	SEISMIC DESIGN CATEGORY (ASCE 7-10 11.6 pg 67)	D
	BASIC SEISMIC-FORCE RESISTING SYSTEM. SEE ASCE 7-10 TABLE 12.2-1 pg 73-77 ORDINARY REINFORCED MASONRY SHEAR WALLS	ORDINARY REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR	$R = 2.0$	
OVERSTRENGTH FACTOR	$W_o = 2.5$	
ANALYSIS PROCEDURE USED.	ASCE 7-10 EQUIVALENT LATERAL FORCE PROCEDURE SECTION 12.8 pg 88	
SEISMIC RESPONSE COEFFICIENT - ULTIMATE	$C_s = 0.4145$	
WIND	ASCE 7-10 DIRECTIONAL PROCEDURE PER CHAPTER 27 pg 259-295	
	WIND SPEED (3 SECOND GUST)	120 M.P.H.
	EXPOSURE CATEGORY	B
ROOF	DEAD LOAD	15 P.S.F.
	ROOF SNOW LOAD - THIS LOAD REFLECTS ROOF SNOW LOAD MULTIPLIED BY THE SNOW IMPORTANCE FACTOR (VALUE SHOWN DOES NOT INCLUDE DRIFT LOAD)	33 P.S.F.
	SNOW IMPORTANCE FACTOR (ASCE 7-10 TABLE 1.5-2 pg 5)	$I_s = 1.10$
	BUILDING ELEVATION	4522'
SOIL BEARING		1500 P.S.F.

FRAMING NAILING REQUIREMENTS (REFER TO 2015 IBC TABLE 2304.10.1)			
CONNECTION AND LOCATION	NAILING	CONNECTION AND LOCATION	NAILING
JOIST TO SILL OR GIRDER (TOENAIL)	3- 8d COMMON (2 1/2"x0.131") 3- 3"x0.131" NAILS	DOUBLE STUDS (FACE NAIL)	16d (3/8"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 8" O.C.
BRIDGING TO JOIST (TOENAIL EACH END)	2- 8d COMMON (2 1/2"x0.131") 2- 3"x0.131" NAILS	DOUBLE TOP PLATES (TYPICAL FACE NAIL)	16d (3/8"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.
SOLE PLATE TO JOIST OR BLOCKING (TYPICAL FACE NAIL)	16d (3/8"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TOP PLATES, LAPS AND INTERSECTIONS (FACE NAIL)	2- 16d COMMON (3/8"x0.162") 3- 3"x0.131" NAILS
SOLE PLATE TO JOIST OR BLOCKING AT BRACE WALL PANEL (BRACED WALL PANELS)	3- 16d (3/8"x0.135") AT 16" O.C. 4- 3"x0.131" NAILS AT 16" O.C.	CONTINUOUS HEADER, TWO PIECES (16" O.C. ALONG EDGE)	16d COMMON (3/8"x0.162")
TOP PLATE TO STUD (TOENAIL)	2- 16d COMMON (3/8"x0.162") 3- 3"x0.131" NAILS	CEILING JOISTS TO PLATE (TOENAIL)	3- 8d COMMON (2 1/2"x0.131") 3- 3"x0.131" NAILS
STUD TO SOLE (SILL) PLATE (TOENAIL)	4- 8d COMMON (2 1/2"x0.131") 4- 3"x0.131" NAILS	CONTINUOUS HEADER TO STUD (TOENAIL)	4- 8d COMMON (2 1/2"x0.131")
(END NAIL)	2- 16d COMMON (3/8"x0.162") 3- 3"x0.131" NAILS	DOUBLE SILL PLATES (FACE NAIL, STAGGER)	10d COMMON AT 12" O.C. EACH FACE
		BUILT-UP CORNER STUDS	16d (3/8"x0.162") AT 24" O.C. 3"x0.131" NAILS AT 16" O.C.

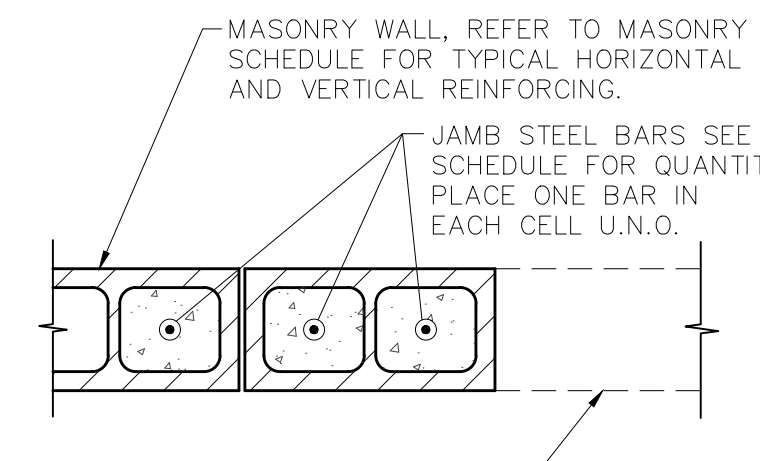
FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER.

MASONRY REINFORCING SCHEDULE					
WALL LOCATION	WALL SIZE	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	JAMB STEEL	NOTES
MW1	8" CMU	#5 @ 8" O.C.	(2) #4 @ 16" O.C.	(1) #5	1,2,3
MW2	12" CMU	#5 @ 16" O.C.	(2) #4 @ 24" O.C.	(2) #5	1,2,3
MW3	EXISTING 8"	#5 @ 40" O.C.	#5 @ 40" O.C.	(1) #5	2,4,5

- NOTES:
- PLACE BLOCK IN A RUNNING BOND PATTERN.
 - ALL VERTICAL BARS SHALL HAVE MATCHING DOWELS DRILLED AND EPOXIED IN FOUNDATION WALL OR FOOTING
 - GROUT WALL SOLID.
 - VERTICAL BARS SHALL BE LOCATED IN CENTER OF CELL, U.N.O.
 - CHASE EXISTING WALL.



TYPICAL CORNER REINFORCING



TYPICAL OPENING REINFORCING

QUALITY ASSURANCE (TESTING AND INSPECTION)	
QUALITY ASSURANCE (TESTING AND INSPECTION) AS REQUIRED BY THE OWNER AND SECTIONS 1704 THRU 1709 OF THE IBC, SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE REQUIRED INSPECTIONS. ALL TESTING AND INSPECTION REPORTS SHALL BE SENT WITHIN 24 HOURS OF COMPLETION OF THE TEST OR INSPECTION TO THE OWNER, ARCHITECT, APPLICABLE ENGINEER, BUILDING OFFICIAL AND GENERAL CONTRACTOR. ITEMS REQUIRING QUALITY ASSURANCE (TESTING AND INSPECTION) ARE:	
1. SOILS/ENGINEERED FILL (IBC SECTION 1704.7 AND TABLE 1704.7):	A. REFER TO SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS B. PRIOR TO PLACEMENT OF THE PREPARED FILL, THE INSPECTOR SHALL DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE SOILS REPORT C. DURING PLACEMENT AND COMPACTION OF THE FILL MATERIAL, THE INSPECTOR SHALL DETERMINE THAT THE MATERIAL BEING USED AND THE MAXIMUM LIFT THICKNESS COMPLIES WITH THE GEOTECHNICAL REPORT D. THE INSPECTOR SHALL DETERMINE THAT THE IN-PLACE DRY DENSITY OF THE ENGINEERED FILL MATERIAL COMPLIES WITH THE GEOTECHNICAL REPORT I. CONTINUOUS FOOTING ENGINEERED FILL: SEE SPECIFICATIONS II. SPOT FOOTING ENGINEERED FILL: SEE SPECIFICATIONS
2. CONCRETE (IBC SECTION 1704.4 AND TABLE 1704.4):	A. REFER TO SPECIFICATIONS FOR SPECIFIC TESTING AND INSPECTION REQUIREMENTS B. CYLINDERS, SLUMP, TEMPERATURE, AND AIR-ENTRAINMENT TESTS SHALL BE PERFORMED C. CONCRETE TO BE PROTECTED DURING COLD AND HOT WEATHER
3. EPOXY ANCHORS (IBC SECTION 1704.15):	A. REFER TO SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS B. INSPECTION SHALL VERIFY ALL DRILLED HOLE SIZES AND DEPTHS PRIOR TO INSTALLATION OF EPOXY AND ANCHOR ROD. SEE SPECIFICATIONS FOR QUANTITY OF TESTING
4. MASONRY (IBC SECTION 1704.5):	A. SPECIAL INSPECTION OF MASONRY IS REQUIRED, REFER TO THE SPECIAL INSPECTION SCHEDULE ON SO.3 FOR SPECIFIC REQUIREMENTS.

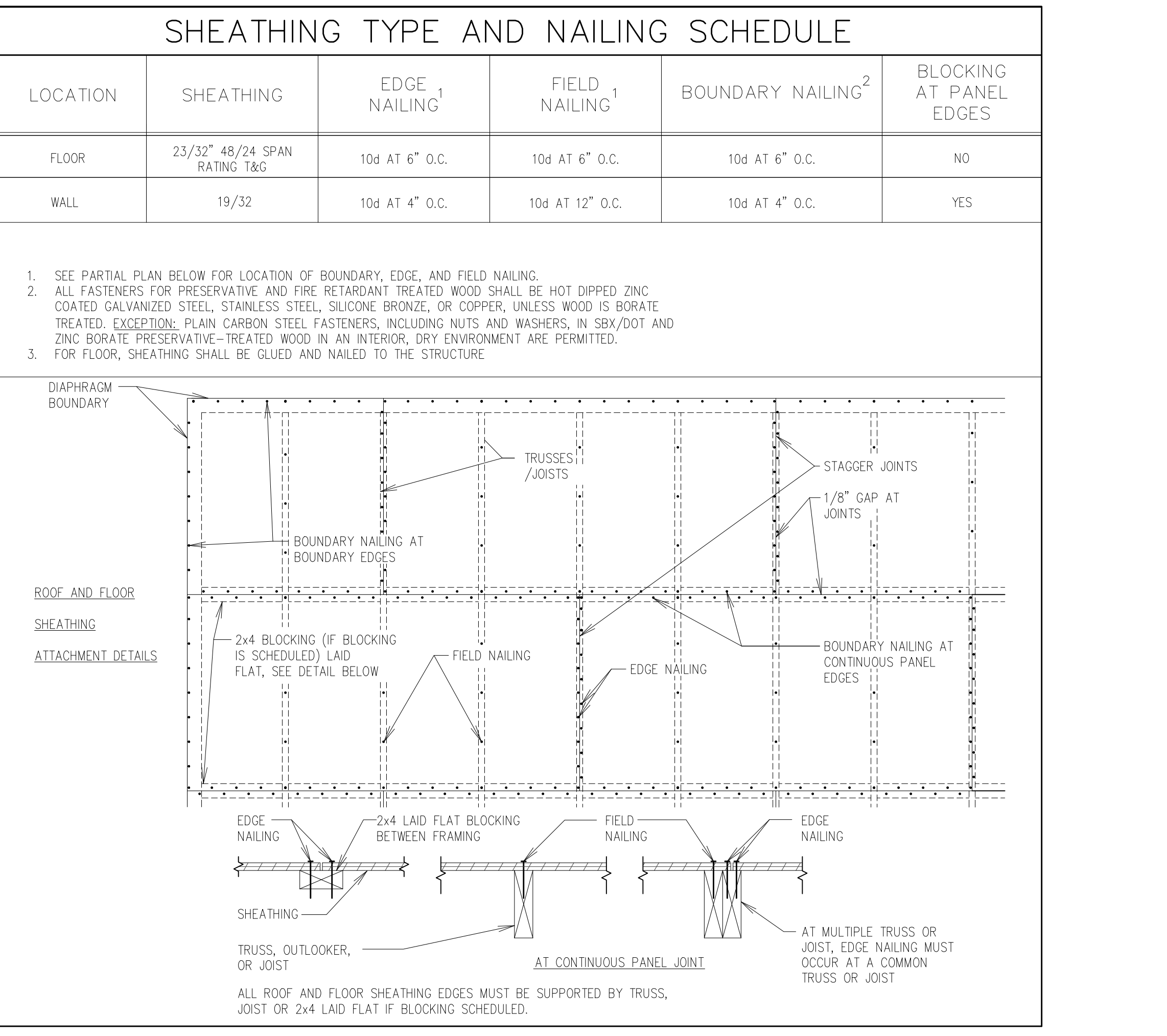
SITE OBSERVATIONS BY STRUCTURAL ENGINEER	
SITE OBSERVATIONS SHALL BE DONE BY THE ENGINEER OF RECORD OR AN APPROVED LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN HE HAS REACHED THE CONSTRUCTION STAGE LISTED BELOW AND BEFORE THE WORK TO BE OBSERVED IS COVERED UP, BECOMES HIDDEN FROM VIEW, OR BECOMES INACCESSIBLE. THIS IS TO PROVIDE THE STRUCTURAL ENGINEER THE OPPORTUNITY TO PERFORM A SITE OBSERVATION, AT THE ENGINEER'S DISCRETION, AT THAT STAGE. AT THE CONCLUSION OF THE PROJECT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED (SEE IBC SECTION 1709.1).	
<ol style="list-style-type: none"> PRIOR TO GROUTING CMU FIRST LIFT AFTER SUBSTANTIAL WALL WOOD FRAMING IS COMPLETED AFTER WOOD FLOOR SHEATHING IS NAILED AFTER WOOD SHEAR WALL SHEATHING IS FASTENED AT INITIAL INSTALLATION OF EACH WALL ANCHOR TYPE 	

REQUIRED NAIL TYPES				
NOTE:				
<ol style="list-style-type: none"> USE FRAMING NAILING REQUIREMENTS SCHEDULE WHERE NOT DETAILED OTHERWISE IN DRAWINGS. ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW UNLESS NOTED OTHERWISE; NAILS FOR 3RD PARTY HARDWARE SHALL BE AS REQUIRED BY MANUFACTURER OF HARDWARE. FASTENERS FOR PRESERVATIVE TREATED AND FIRE-RETARDANT-TREATED WOOD, SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER. LENGTH OF NAILS ATTACHING SHEATHING MAY BE REDUCED PROVIDED THAT THE MINIMUM PENETRATION NOTED BELOW IS MET. OTHER FASTENERS MAY BE USED TO REPLACE ABOVE NAILS, BUT THEY MUST HAVE EQUIVALENT, OR LARGER, DIAMETERS AND PENETRATION LENGTHS. 				
ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW, UNLESS NOTED OTHERWISE.				
NAIL SIZE	TYPE	STANDARD LENGTH (INCHES)	DIAMETER (INCHES)	MINIMUM PENETRATION REQUIRED (INCHES)
8d	COMMON	2 1/2	.131	1 3/8
10d	COMMON	3	.148	1 1/2
16d	BOX	3 1/2	.135	1 1/2

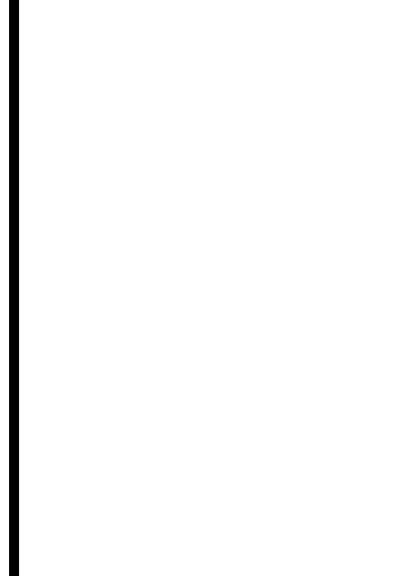
SCHEDULE OF CONSTRUCTION MATERIALS						
CONCRETE	LOCATION		28-DAY COMPRESSIVE STRENGTH			
	FOOTINGS		3,000 P.S.I. MIX TYPE A			
	EXTERIOR CONCRETE (EXPOSED TO FREEZE/THAW AND/OR DEICERS)		4,500 P.S.I. MIX TYPE F			
FOUNDATION WALLS (EXPOSED TO FREEZE/THAW AND/OR DEICERS)		4,500 P.S.I. MIX TYPE F				
NOTES: 1. CONCRETE STRENGTH USED IN DESIGN IS 2500 P.S.I. 2. SEE SPECIFICATIONS 03-3111 FOR DEFINITION OF MIX TYPE.						
REINFORCING STEEL	FIELD BENT BARS		ALL OTHER BARS			
	ASTM A615, GRADE 40 OR GRADE 60 (SEE LAP SPLICE SCHEDULE ON SO.2 FOR LAP LENGTHS)		ASTM A615, GRADE 60 (SEE LAP SPLICE SCHEDULE ON SO.2 FOR LAP LENGTHS)			
WOOD	APPLICATION	SPECIES AND MINIMUM GRADE (ANY SPECIES AND GRADE LISTED MAY BE USED FOR ANY OF THE DESCRIBED APPLICATIONS).				
	TOP PLATES, STRUTS, ROOF JOISTS, FLOOR JOISTS, MISC. FRAMING, HEADERS, BEAMS, LEDGERS	DOUGLAS FIR-LARCH HEM FIR MSR	#2 OR BETTER #1 OR BETTER	1650F - 1.5E OR BETTER		
	BLOCKING	DOUGLAS FIR-LARCH HEM FIR MSR	#2 OR BETTER #2 OR BETTER	1650F - 1.5E OR BETTER		
	POSTS AND TIMBERS 5" x 5" AND LARGER	DOUGLAS FIR-LARCH	#1 OR BETTER			
	SILL PLATES	DOUGLAS FIR-LARCH HEM FIR SCL	2x4, 1 1/2"x3 1/2" SCL STANDARD OR BETTER STANDARD OR BETTER 1.3E	2x6, 2x8, 2x10, 1 1/2"x9 1/2" SCL, 1 1/2"x11 7/8" SCL	#2 OR BETTER #2 OR BETTER 1.5E	
	TRUSSED RAFTERS (CHORDS AND WEBS)	DOUGLAS FIR-LARCH HEM FIR MSR	#2 OR BETTER #1 OR BETTER	1650F - 1.5E OR BETTER		
	EXTERIOR WALL STUDS AND INTERIOR STRUCTURAL WALL STUDS	DOUGLAS FIR-LARCH HEM FIR SCL	2x4 #2 OR BETTER #1 OR BETTER	#2 OR BETTER #1 OR BETTER		
	INTERIOR NON-STRUCTURAL WALL STUDS	DOUGLAS FIR-LARCH HEM FIR	2x4 STANDARD, UTILITY, CONSTRUCTION, OR BETTER STANDARD, UTILITY, CONSTRUCTION, OR BETTER	#2 OR BETTER #2 OR BETTER		
	STRUCTURAL COMPOSITE LUMBER (SCL) SUCH AS LVL AND LSL	MINIMUM PROPERTY VALUES ¹ - P.S.I.				
			F _b	F _v	F _c ⊥	F _c
1-1/2" x <= 5-1/2" (SEE NOTE 4 AND 5)	1,700	220	575	1,400	1.3	
1-3/4" x ALL DEPTHS	2,600	285	750	2,350	1.9	

NOTES:

- DESIGN VALUES ARE FOR NORMAL DURATION. REPETITIVE FRAMING FACTORS AND SIZE FACTORS HAVE NOT BEEN APPLIED.
- 1 3/4" MEMBERS MAY BE USED TO REPLACE 1 1/2" SCL MEMBERS. ADJUST DIMENSIONS IN PLANS AND DETAILS ACCORDINGLY.
- LIMIT THE MODULUS OF ELASTICITY OF 1 1/2" LSL MEMBERS TO 1.55x10⁶ psi.
- LSL WOOD IS HARDER AND DENSER THAN LVL WOOD. FRAMER MUST HAVE EQUIPMENT THAT WILL DRIVE NAILS COMPLETELY INTO WOOD.



#	DATE	DESCRIPTION
1	3 May 2018	Owner Review



bb ARCHITECTS

65 E. Wadsworth Park Dr., Ste. 205 • Phone: 801.571.0010
 Draper, Utah 84020 • Fax: 801.571.0003
 Toll Free: 888.571.0010
 bbarchitects.com

PROJECT FOR:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
 Orem UT Cherry Hill Stake

1700 South 400 East
 Orem, Utah

BID#A PROJECT # 1822
 PLAN SERIES: N/A

PROPERTY # 505-1975

DATE: 3 May 2018

SHEET TITLE: SCHEDULES

SHEET: S601

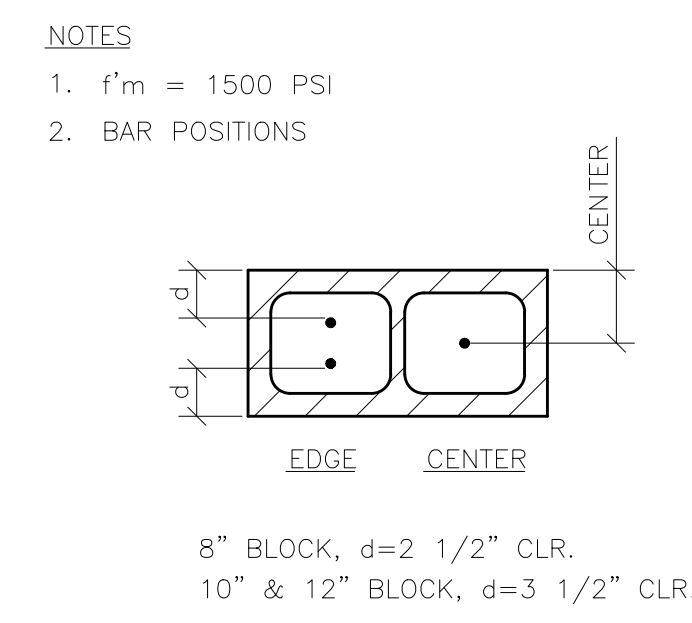
BEAM SCHEDULE				
MARK	GRADE	DESCRIPTION	TRIMMER STUDS	REMARKS
B1	LVL	(2) 1 3/4 X 11 7/8	1	RIP TO FIT
B2	LVL	(4) 1 3/4 X 11 7/8	1	

NOTES:

- DO NOT USE FILLERS FOR BEAMS NOT INSTALLED IN WALLS.
- FOR HEADERS IN NON-BEARING WALLS, USE (3) 2x6 IN 2x6 WALLS AND (2) 2x6 IN 2x4 WALLS. USE (1) BEARING AND (1) KING STUD.
- USE FILLERS AS NEEDED TO HAVE BEAM MATCH WIDTH OF WALL IN WHICH BEAM IS LOCATED.
- MULTIPLE MEMBER HEADERS MAY BE REPLACED WITH A SINGLE MEMBER OF EQUIVALENT SIZE AND MATERIAL PROPERTIES.

TYPICAL BLOCKING SCHEDULE	
DOOR STOPS	STAIR BLOCKING
VISUAL DISPLAYS	DECORATIVE METAL BETWEEN WINDOWS
MARKER BOARDS	DRINKING FOUNTAINS
TACK BOARDS	WALL HUNG SINKS
BABY CHANGING STATIONS	ROSTRUM
EXIT SIGNS	DECORATION HOOKS
CHAIR RAIL	JANITOR SHELVE
COAT RACKS	RA VENTS AT ENTRIES
CABINETS	COLUMNS AT ENTRIES
SOUND PANELS	CAN LIGHTS AT ENTRIES
TOILET PARTITIONS	HYMN BOOK SHELVES
HANDICAP BARS	DIMMER SWITCHES IN GYM
BATHROOM ACCESSORIES	CURTAIN AT STAGE
TOWEL DISPENSORS	CURTAINS IN OFFICES
TOILET PAPER HOLDERS	JANITOR TAP AND HOSE HARDWARE
NAPKIN HOLDERS	FONT MIRRORS
SHELVES	FONT HANDRAILS
MIRRORS	FONT BENCHES
COUNTERS	CLOTHING HOOKS
COUNTER BRACKETS	FONT GLASS SCREEN
ACCESS PANELS	CHAIR STORAGE SHELVE
HANDRAILS	INTERIOR SOFFIT FOR SIX PIECE CORNICE
FIRE CABINETS	

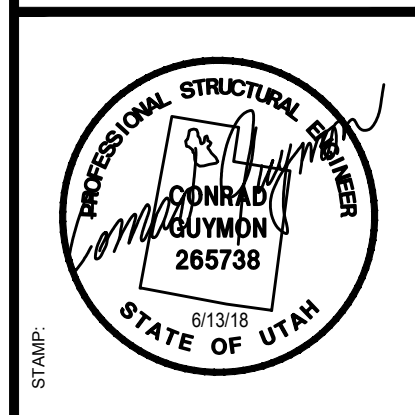
MASONRY REBAR LAP SPLICE SCHEDULE					
BAR SIZE	POSITION	LAP LENGTH IN INCHES			
		BLOCK SIZE			
		6"	8"	10"	12"
#3	CENTER	15	15	15	15
	EDGE	--	15	15	15
#4	CENTER	20	20	20	20
	EDGE	--	20	20	20
#5	CENTER	32	25	25	25
	EDGE	--	32	25	25
#6	CENTER	60	44	40	40
	EDGE	--	60	42	42
#7	CENTER	--	60	48	48
	EDGE	--	--	60	60
#8	CENTER	--	--	70	60
	EDGE	--	--	86	86



SPECIAL INSPECTION SCHEDULE (2015 IBC CHAPTER 17)			
REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (ACI 530 AND 530.1)			
VERIFICATION AND INSPECTION	FREQUENCY ^(A)		COMMENTS
	CONTINUOUS	PERIODIC	
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X	
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE			
A. PROPORTIONS OF SITE-PREPARED MORTAR.		X	
B. CONSTRUCTION OF MORTAR JOINTS.		X	
C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES		X	
D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	
E. PRESTRESSING TECHNIQUE		X	
F. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X ^(B)	X ^(C)	
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE			
A. GROUT SPACE		X	
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	
D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS		X	
E. CONSTRUCTION OF MORTAR JOINTS		X	
4. VERIFY DURING CONSTRUCTION			
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	
B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	
C. WELDING OF REINFORCEMENT	X		
D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))		X	
E. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X		
F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X		
G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X ^(B)	X ^(C)	
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X	
(A) FREQUENCY REFERS TO THE FREQUENCY OF SPECIAL INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODIC DURING THE LISTED TASK, AS DEFINED IN THE TABLE			
(B) REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY			
(C) REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY			
REQUIRED VERIFICATION AND INSPECTION OF ADHESIVE ANCHORS			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
1. ADHESIVE PRODUCT CONFORMS TO DESIGN DRAWINGS AND SPECIFICATIONS.		X	
2. ANCHOR TYPE		X	
3. ANCHOR DIMENSIONS		X	
4. ANCHOR LOCATION INCLUDING MINIMUM EDGE DISTANCES AND CONCRETE THICKNESS.		X	OVERHEAD INSTALLATIONS REQUIRE CONTINUOUS INSPECTION
5. HOLE DIMENSIONS		X	
6. HOLE CLEANING PROCEDURES		X	
7. ANCHOR EMBEDMENT		X	
8. TIGHTENING TORQUE		X	
SPECIAL INSPECTOR MUST VERIFY THE INITIAL INSTALLATIONS OF EACH TYPE AND SIZE OF ANCHOR. SUBSEQUENT INSTALLATIONS OF THE SAME ANCHOR TYPE AND SIZE BY THE SAME CONSTRUCTION PERSONNEL MAY BE PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT. ANY CHANGE IN PRODUCT, SIZE, TYPE, OR PERSONNEL REQUIRE AN INITIAL INSPECTION.			

DRAWING ISSUE SCHEDULE	
#	DATE
1	3 May 2018

#	DATE	DESCRIPTION	Client Review
1	3 May 2018		



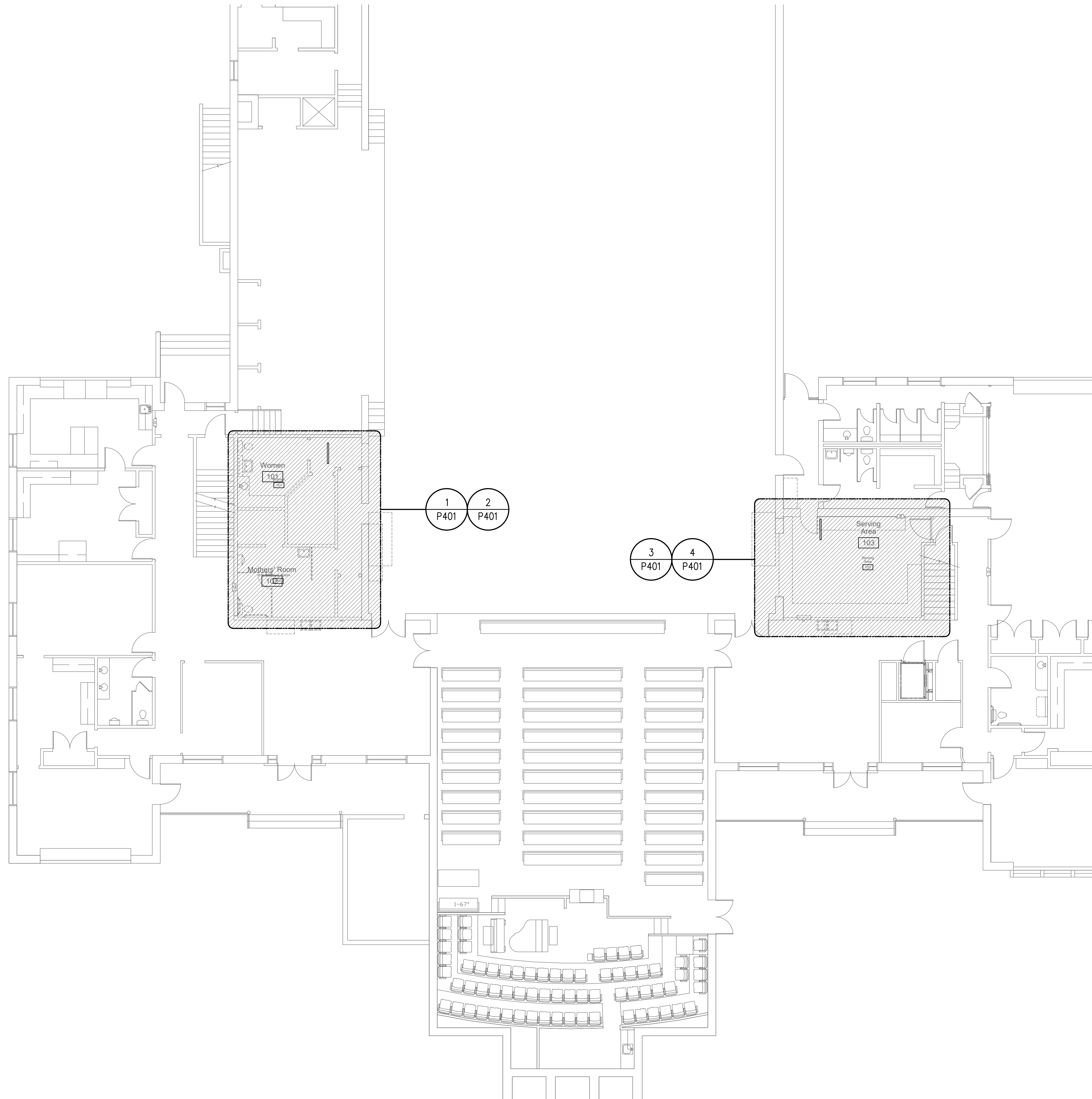
bb ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205
 Draper, Utah 84020
 Phone: 801.571.0010
 Fax: 801.571.0003
 Toll Free: 888.571.0010
 bbiarchitects.com

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

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Cherry Hill Stake
 1700 South 400 East
 Orem, Utah
 BIDD PROJECT # 1822
 PLAN SERIES: N/A
 PROPERTY # 505-1975

SHEET TITLE:
SCHEDULES

SHEET:
S602

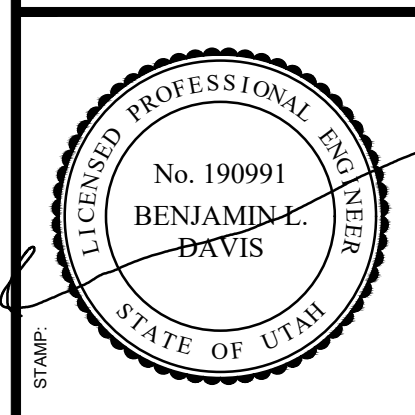


GENERAL NOTES

1. IF CONTRACTOR ENCOUNTERS MATERIAL THAT MAY CONTAIN ASBESTOS, HE SHALL IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY OWNER.
2. EXISTING PIPE LOCATIONS AND PIPE SIZES SHOWN 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.
3. SAW CUT OR CORE DRILL ALL NEW PENETRATIONS THROUGH EXISTING MASONRY CONSTRUCTION.
4. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY NEW CONSTRUCTION TO MATCH EXISTING.
5. DEMOLITION - GENERAL:
 - A. REMOVE ALL RELATED PIPING AND APPURTENANCES.
 - B. REMOVE BRANCH PIPING COMPLETELY AND CAP IN MAIN.
 - C. PATCH AND REPAIR ALL EXISTING SURFACES (WALL, ROOF, FLOOR, CEILING, ETC.) TO MATCH EXISTING.
6. REMODEL - GENERAL:
 - A. CONCEAL ALL PIPING EQUIPMENT, AND APPURTENANCES UNLESS OTHERWISE NOTED.
 - B. REMOVE EXISTING SURFACES (WALL, ROOF, FLOOR, CEILING, ECT.) AS REQUIRED AND REPLACE TO MATCH EXISTING.
7. REFER TO MECHANICAL SHEETS FOR ANY ADDITIONAL WORK.
8. ALL PLUMBING SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES OR THE SPECIFICATIONS.
9. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
10. FOR INDIVIDUAL LINE SIZES TO FIXTURES, SEE FIXTURE SCHEDULE, SHEET P501.
11. 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.
12. PROTECT ALL PLUMBING PIPING WHICH IS TO REMAIN DURING ALL CONSTRUCTION ACTIVITIES.
13. MINIMUM SIZE OF PIPING BELOW SLAB IS 3/4".
14. REFER TO SPECIFICATION SECTIONS 221116 AND 221313 FOR APPROVED PIPING MATERIALS.

#	DATE	DESCRIPTION	Drawn/Reviewed
1	13 June 2018		

VAN BOERUM & FRANK ASSOCIATES, INC.
CONSULTING ENGINEERS
Salt Lake City · Logan · St. George · Temple
801.530.3148 T 801.530.3150 F
330 South 300 East Salt Lake City, UT 84111
VBA Project Number: 18052



bb ARCHITECTS
65 E. Wadsworth Park Dr., Ste. 205 Provo, UT 84601
Draper, Utah 84020
Phone: 801.571.0003 Fax: 801.571.0003
Toll Free: 888.571.0010
bbarchitects.com

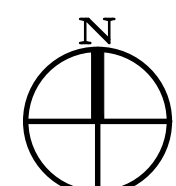
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME: **Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Organ Chery Hill Stake**
1700 South 400 East
Orem, Utah

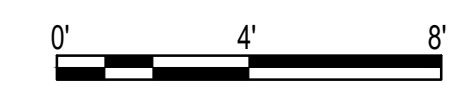
PROPERTY # 505-1975
PLAN SERIES: N/A
BIDDING PROJECT # 1822
DATE: 13 June 2018

SHEET TITLE: **PLUMBING PLAN**

SHEET: **P101**



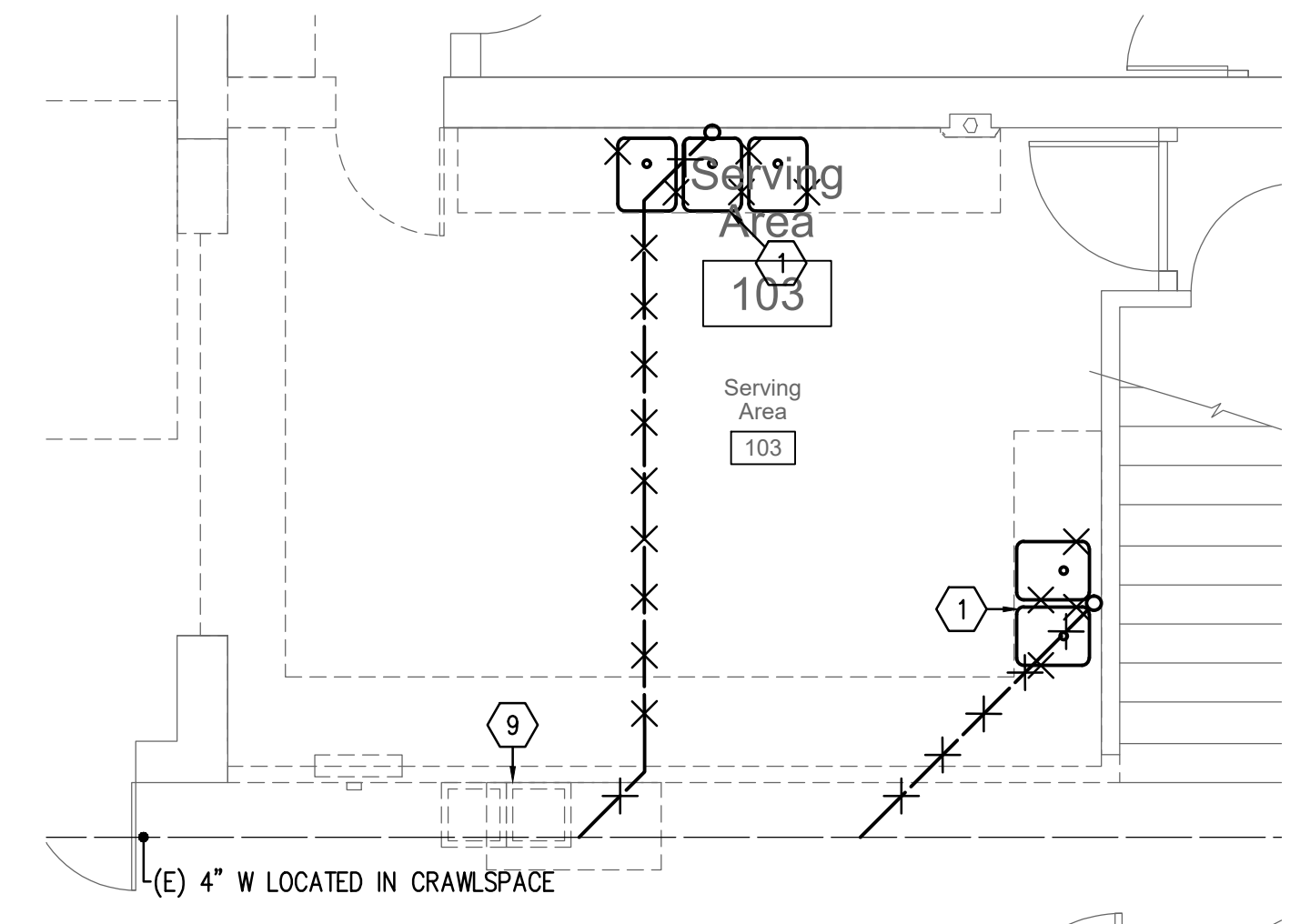
1 PLUMBING PLAN
P101 SCALE: 1/4" = 1'-0"



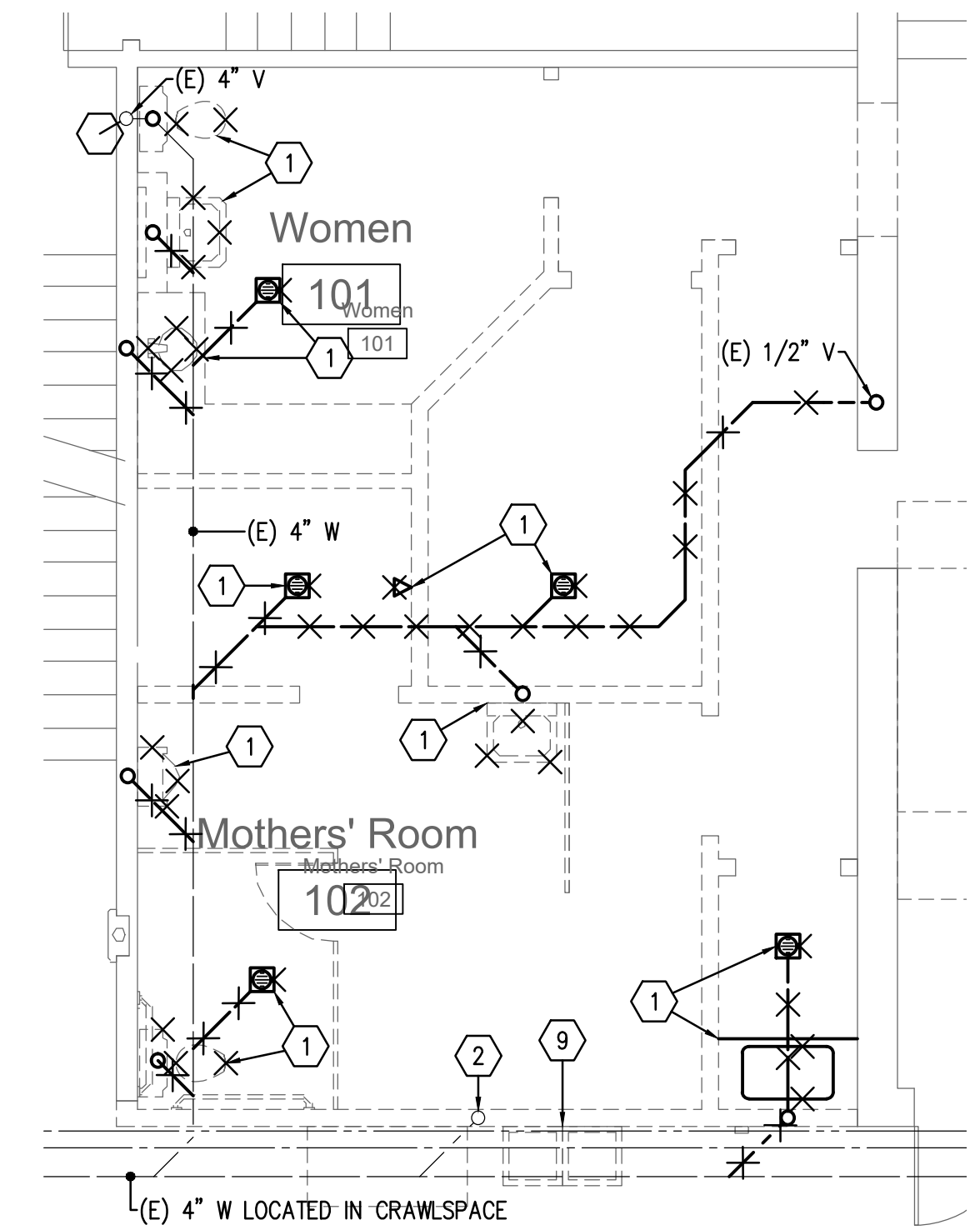
KEYED NOTES

1. REMOVE EXISTING PLUMBING FIXTURE. REMOVE RELATED WASTE, VENT, AND SUPPLY PIPING BACK TO MAINS OR AS SHOWN, REFER TO NEW PLUMBING PLANS FOR NEW PIPING CONNECTIONS. FIELD VERIFY ALL EXISTING LOCATIONS
2. 4" WASTE FROM UPPER FLOOR PLUMBING FIXTURES. FIELD VERIFY EXISTING LOCATION. MAY REQUIRE RELOCATIONS
3. CONNECT NEW WASTE TO EXISTING WASTE AT THIS LOCATION.
4. 1" DCW UP FROM CRAWLSPACE INTO NEW PLUMBING WALL.
5. CONNECT NEW PLUMBING VENT TO EXISTING 4" VENT STACK.
6. CONNECT NEW COLD AND HOT WATER PIPING TO EXISTING IN CRAWLSPACE. FIELD VERIFY EXACT LOCATIONS.
7. ROUTE VENT FROM NEW SINK LOCATION AND CONNECT TO EXISTING VENT LOCATION FROM SINK BEING REMOVED.
8. ROUTE NEW HOT AND COLD WATER PIPING FROM EXISTING SINK LOCATION TO NEW SINK LOCATION. FIELD VERIFY EXACT ROUTING.
9. REMOVE EXISTING DRINKING FOUNTAIN FOR REPLACEMENT.
10. INSTALL NEW ADA BI-LEVEL DRINKING FOUNTAIN. EXTEND AND RECONNECT EXISTING WASTE, VENT AND SUPPLY PIPING.

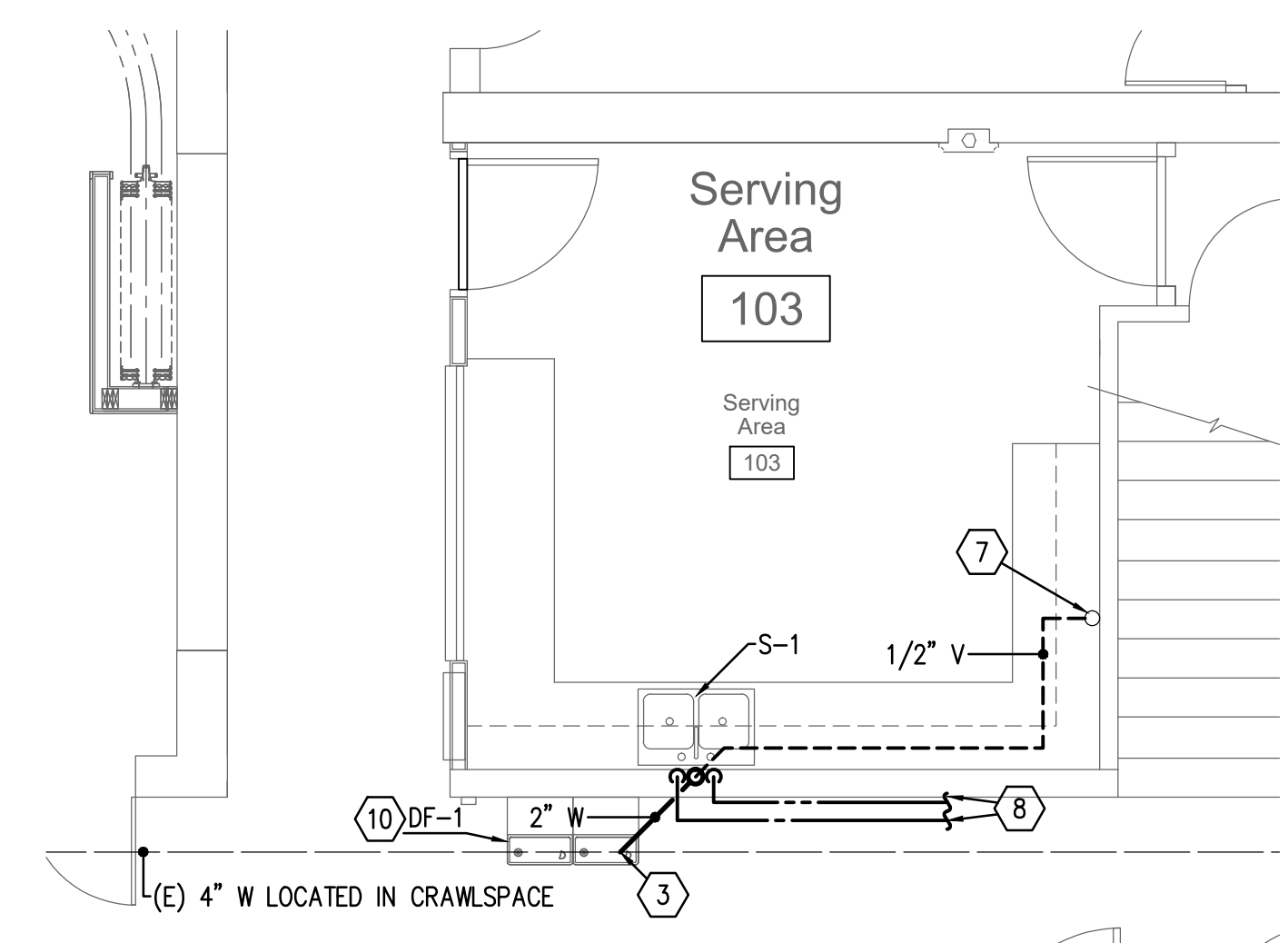
RELOCATE/OR REMOVE AND REINSTALL, ANY PIPING OR PLUMBING FIXTURES OR DEVICES WHICH ARE ENCOUNTERED DURING DEMOLITION WHICH CONFLICT WITH THE NEW CONSTRUCTION OR WHICH ARE TO ACCOMMODATE THE NEW CONSTRUCTION. THE PIPING, DEVICES, OR FIXTURES ARE TO BE RELOCATED TO ACCOMMODATE THE NEW CONSTRUCTION AND 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.



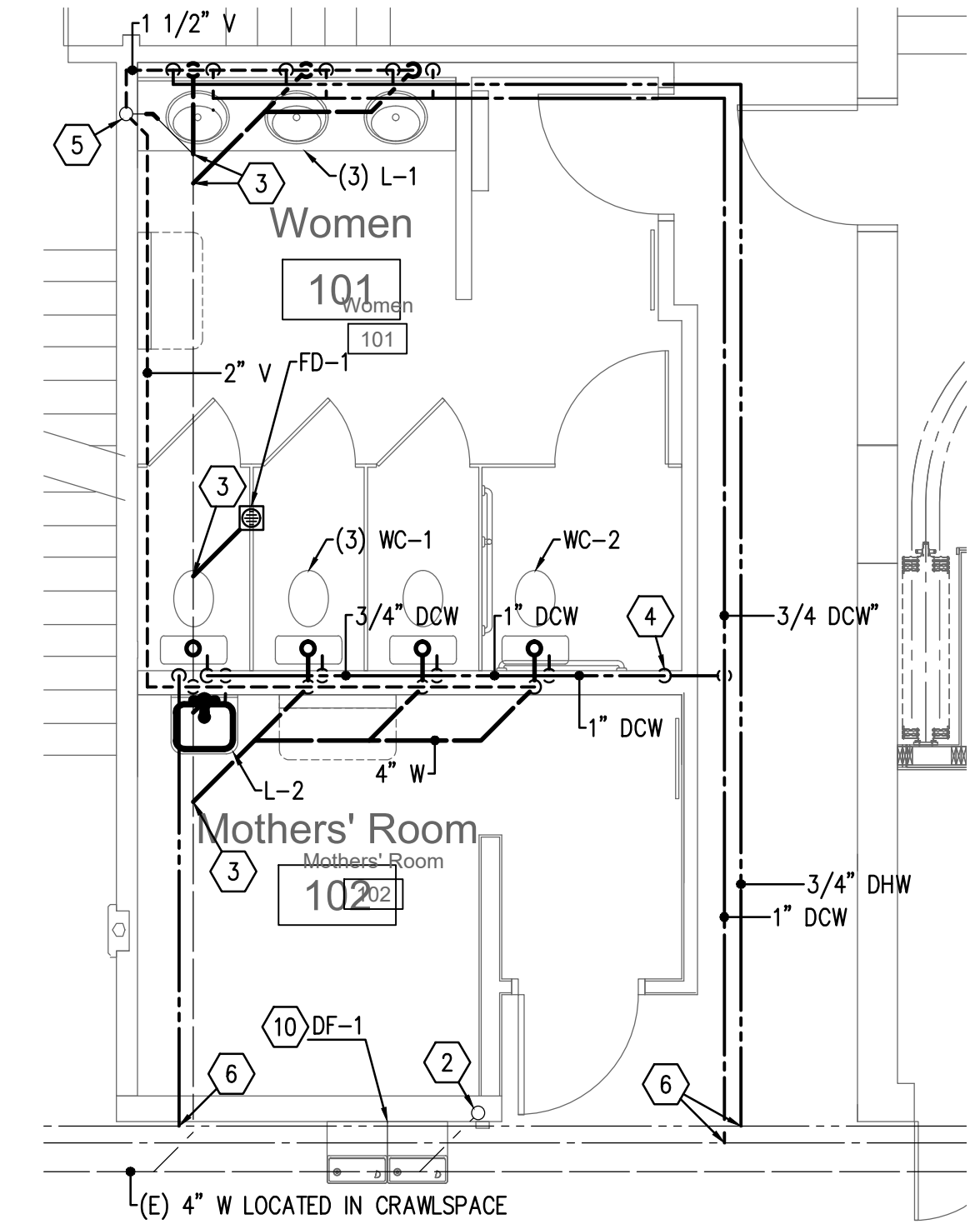
3 KITCHEN PLUMBING DEMOLITION PLAN
P401 SCALE: 1/4" = 1'-0"
0' 4' 8'



1 RESTROOM PLUMBING DEMOLITION PLAN
P401 SCALE: 1/4" = 1'-0"
0' 4' 8'



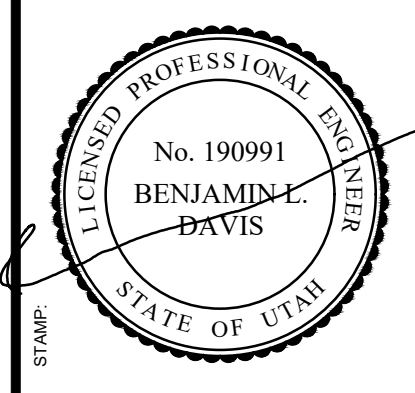
4 KITCHEN PLUMBING PLAN
P401 SCALE: 1/4" = 1'-0"
0' 4' 8'



2 RESTROOM PLUMBING PLAN
P401 SCALE: 1/4" = 1'-0"
0' 4' 8'

#	DATE	DESCRIPTION
1	13 June 2018	Owner Review

VAN BOERUM & FRANK ASSOCIATES, INC.
CONSULTING ENGINEERS
Salt Lake City · Logan · St. George · Temple
801.530.3148 T
801.530.3150 F
VBA Project Number: 18052



ARCHITECTS
65 E. Wadsworth Park Dr., Ste. 205 Provo, UT 84601
Phone: 801.571.0010
Fax: 801.571.0003
Toll Free: 888.571.0010
bbaarchitects.com

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

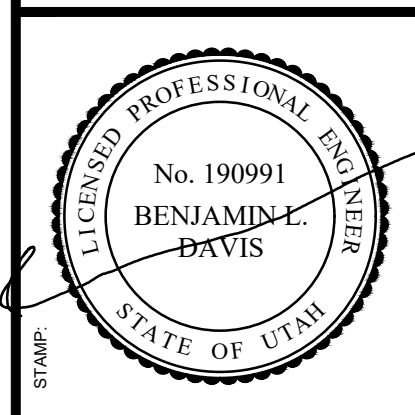
Cherry Hill 1, 2, 4 Mothers Room
and Accordion Partition
Orem UT Cherry Hill Stake
1700 South 400 East
Orem, Utah
BIDD PROJECT # 1822
DATE 13 June 2018
PROPERTY # 505-1975
PLAN SERIES N/A

SHEET TITLE
ENLARGED
PLUMBING
PLANS

SHEET:
P401

#	DATE	DESCRIPTION
1	13 June 2018	Owner Review

VAN BOERUM & FRANK ASSOCIATES, INC.
 CONSULTING ENGINEERS
 Salt Lake City · Logan · St. George · Temple
 801.530.3148 T 801.530.3150 F
 801.530.3150 P
 VBFA Project Number: 18052



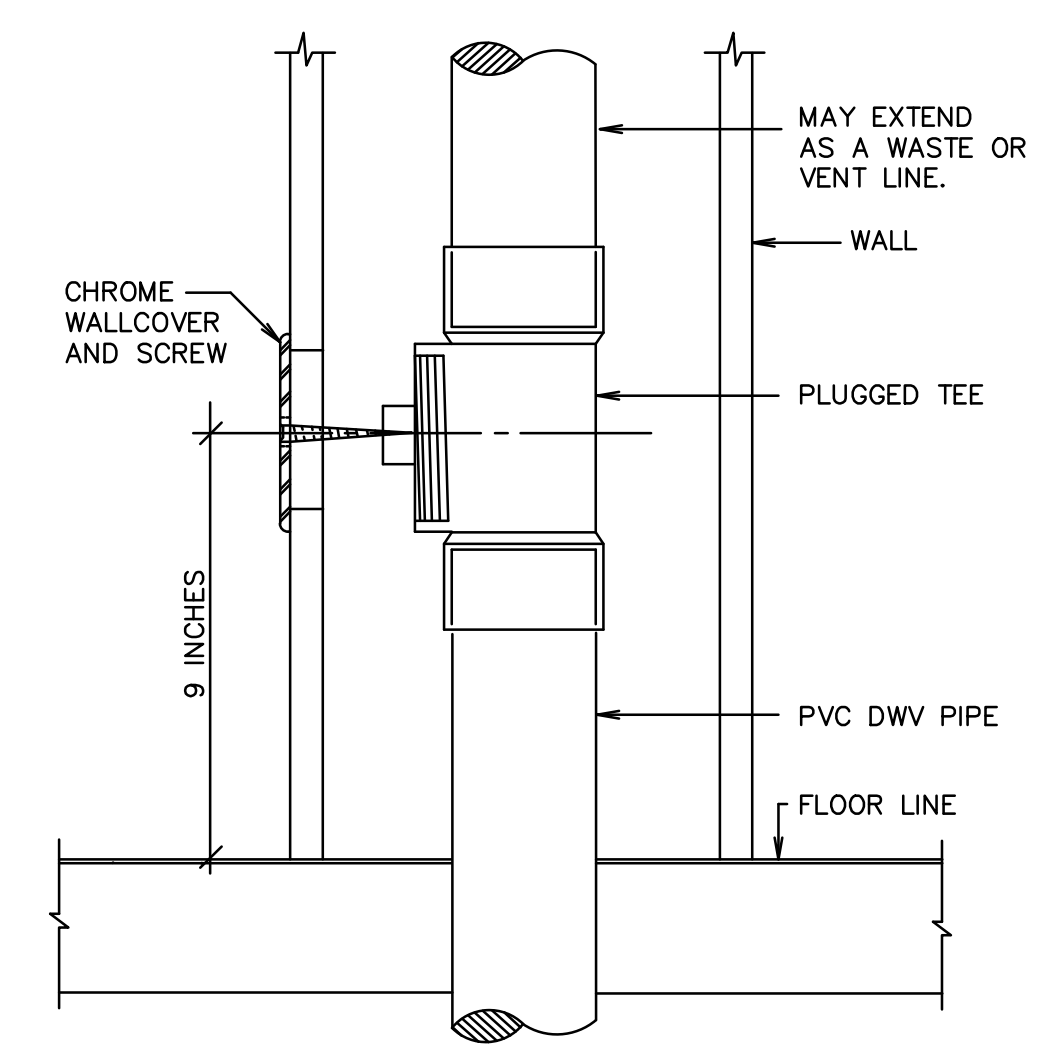
bbd ARCHITECTS
 65 E. Wadsworth Park Dr., Ste. 205 Draper, Utah 84020
 Phone: 801.571.0010 Fax: 801.571.0003
 Toll Free: 888.571.0010
 bbdarchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME: Chery Hill 1, 2, 4 Mothers Room and Accordion Partition
 Orem UT Chery Hill Stake
 1700 South 400 East Orem, Utah
 BIDDING PROJECT #: 1822
 DATE: 13 June 2018
 PROPERTY #: 505-1975
 PLAN SERIES: N/A

SHEET TITLE:
PLUMBING DETAILS

SHEET:
P501



1 WALL CLEANOUT DETAIL
 P501 NO SCALE

PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-1	WATER CLOSET	INT.	4"	2"	1/2"	-	FLUSH TANK
WC-2	WATER CLOSET	INT.	4"	2"	1/2"	-	FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED)
L-1	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	COUNTER TOP MOUNT ①
L-2	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	SELF-SUPPORTING 20"X18" ①
FD-1	FLOOR DRAIN	2"	2"	2"	-	-	WITH DEEP SEAL P-TRAP AND TRAP SEAL. A/P501
S-1	SERVING AREA SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	TWO COMPARTMENT
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1-1/2"	1/2"		ELECTRIC BI-LEVEL (ADA APPROVED)

① WHEN MOUNTED PER ARCHITECTURAL ELEVATIONS, ADA ACCESSIBILITY REQUIREMENTS ARE SATISFIED.

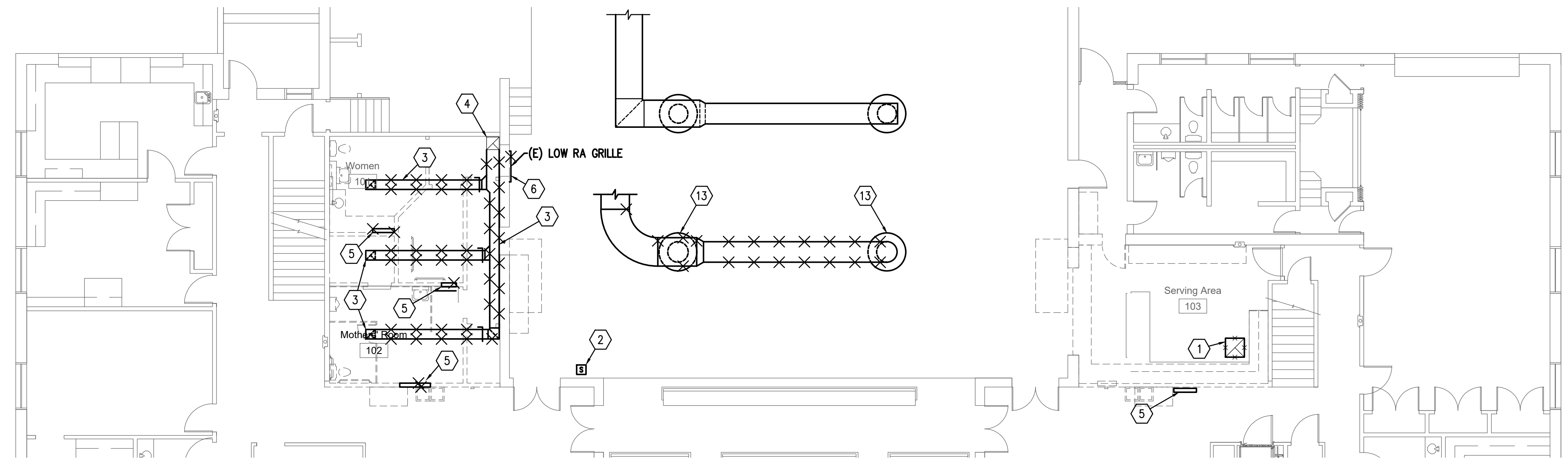
L E G E N D			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF.		MANUAL VOLUME DAMPER
	SINGLE THICKNESS TURNING VANES		BACKDRAFT DAMPER (INSTALL AT EACH EXHAUST DISCHARGE DUCT)
	DUCT TRANSITION		EXISTING DUCT TO BE REMOVED
EA	EXHAUST AIR		EXISTING DUCT TO REMAIN
TA	TRANSFER AIR		

GENERAL NOTES

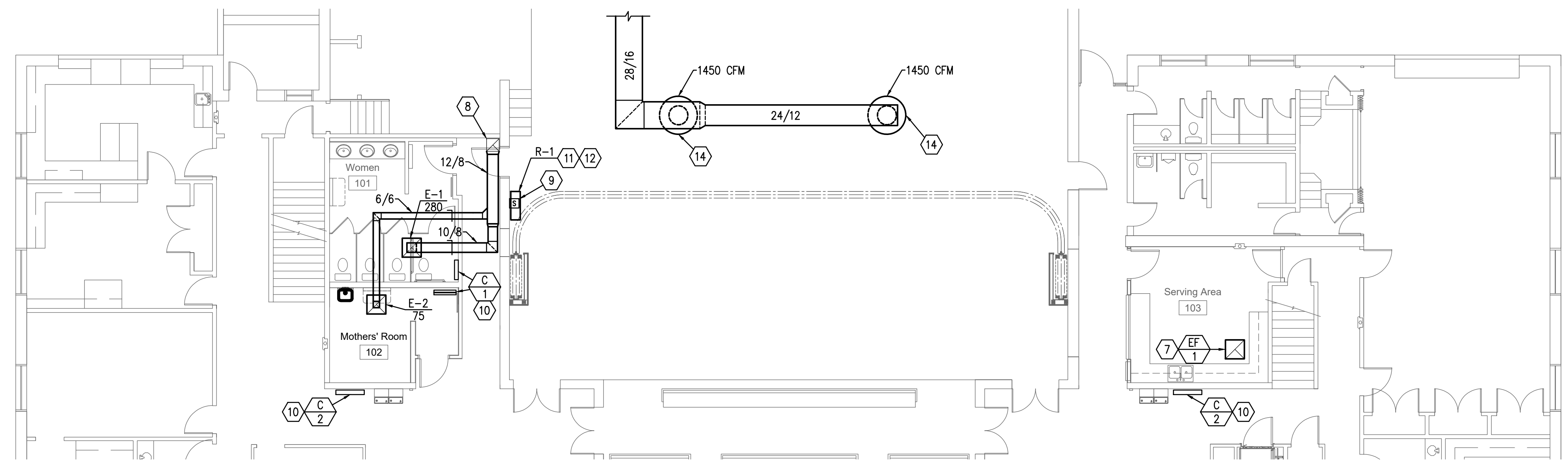
- EXISTING PIPING, SIZES, AND EQUIPMENT SHOWN FOR CONTRACTOR'S REFERENCE. FIELD DETERMINE EXACT SIZE, ELEVATION, AND LOCATION OF EXISTING ITEMS, INCLUDING THEIR RELATIONSHIP WITH INTENDED WORK PRIOR TO STARTING ANY WORK.
- DRAWINGS SHOW GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT, ETC. FOLLOW AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL 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 REQUIRED TO MEET CONDITIONS.
- PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY NEW CONSTRUCTION TO MATCH EXISTING.
- DO NOT ROUTE PIPES ABOVE ELECTRICAL PANELS. MAINTAIN CLEAR ACCESS SPACE IN FRONT OF ALL ELECTRICAL PANELS 4'-0" DEEP AND 6'-6" HIGH.
- SAW CUT OR CORE DRILL ALL NEW PENETRATIONS THROUGH EXISTING MASONRY CONSTRUCTION.
- IF CONTRACTOR ENCOUNTERS MATERIAL THAT MAY CONTAIN ASBESTOS, HE SHALL IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- DEMOLITION - GENERAL:
 - REMOVAL OF EQUIPMENT, PIPING, OR DUCTWORK TO INCLUDE REMOVAL OF ALL RELATED APPURTENANCES SUCH AS WIRING, CONDUIT, SUPPORTS, ETC. AND MODIFICATIONS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
 - REMOVE BRANCH CONDUIT AND WIRE COMPLETELY. TERMINATE AT JUNCTION BOX.
 - PATCH AND REPAIR ALL EXISTING SURFACES (WALL, ROOF, FLOOR, CEILING, ETC.) TO MATCH EXISTING.
- REMODEL - GENERAL:
 - ALL NEW CONDUIT, PIPING, DUCT, EQUIPMENT, AND APPURTENANCES TO BE CONCEALED UNLESS OTHERWISE NOTED.
 - EXISTING SURFACES (WALL, ROOF, FLOOR, CEILING, ETC.) TO BE REMOVED AS REQUIRED AND REPLACED TO MATCH EXISTING. FM GROUP TO PROVIDE CARPET FOR PATCHING.

KEYED NOTES

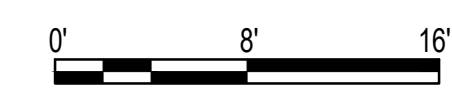
- REMOVE EXISTING CEILING EXHAUST FAN FOR REPLACEMENT
- REMOVE EXISTING REMOTE SENSOR FOR RELOCATION.
- REMOVE EXISTING CEILING EXHAUST GRILLES AND RELATED EXHAUST DUCTS.
- EXISTING EXHAUST DUCT RISER TO REMAIN FOR RECONNECTION.
- REMOVE EXISTING HOT WATER CONVECTOR IN ITS ENTIRETY. REMOVE EXISTING HOT WATER SUPPLY AND RETURN PIPING BACK TO MAINS AND CAP. (BRANCH CONNECTIONS MAY BE RE-USED FOR RE-ROUTING TO NEW CONVECTOR INSTALLATION.)
- REMOVE EXISTING LOW SIDEWALL RETURN AIR GRILLE.
- NEW CEILING EXHAUST FAN. CONNECT TO EXISTING EXHAUST DUCT RISER.
- CONNECT NEW 12X8 EXHAUST DUCT TO EXISTING EXHAUST DUCT RISER.
- RE-INSTALL EXISTING REMOTE SENSOR FOR CULTURAL CENTER SYSTEM ON WALL AT THIS LOCATION. (INCLUDING INSULATED WALL BASE.)
- NEW HOT WATER CONVECTOR. REFER TO DETAIL D/M501. EXTEND EXISTING HW BRANCH PIPING TO NEW CONVECTOR LOCATION OR CONNECT NEW HW BRANCH PIPING TO MAINS AT CRAWLSPACE.
- INSTALL NEW FLOOR RETURN AIR GRILLE AT THIS LOCATION. REFER TO STRUCTURAL FOR FLOOR HEADERS AT PENETRATION.
- PROVIDE ACOUSTICALLY LINED SOUND BOOT AT CRAWL SPACE BELOW FULL SIZE OF GRILLE.
- EXISTING ROUND SUPPLY DIFFUSER TO BE RELOCATED
- NEW LOCATION OF EXISTING SUPPLY DIFFUSER. RE ROUTE EXISTING SUPPLY DUCT OR INSTALL NEW.



1 MECHANICAL DEMOLITION PLAN
M101 SCALE: 1/8" = 1'-0"

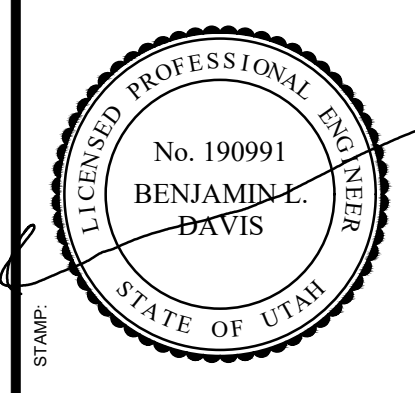


1 MECHANICAL PLAN
M101 SCALE: 1/8" = 1'-0"



#	DATE	DESCRIPTION
1	13 June 2018	Owner Review

VAN BOERUM & FRANK ASSOCIATES, INC.
CONSULTING ENGINEERS
Salt Lake City · Logan · St. George · Temple
801.530.3148 T
801.530.3150 F
330 South 300 East
Salt Lake City, UT 84111
VBA Project Number: 18052



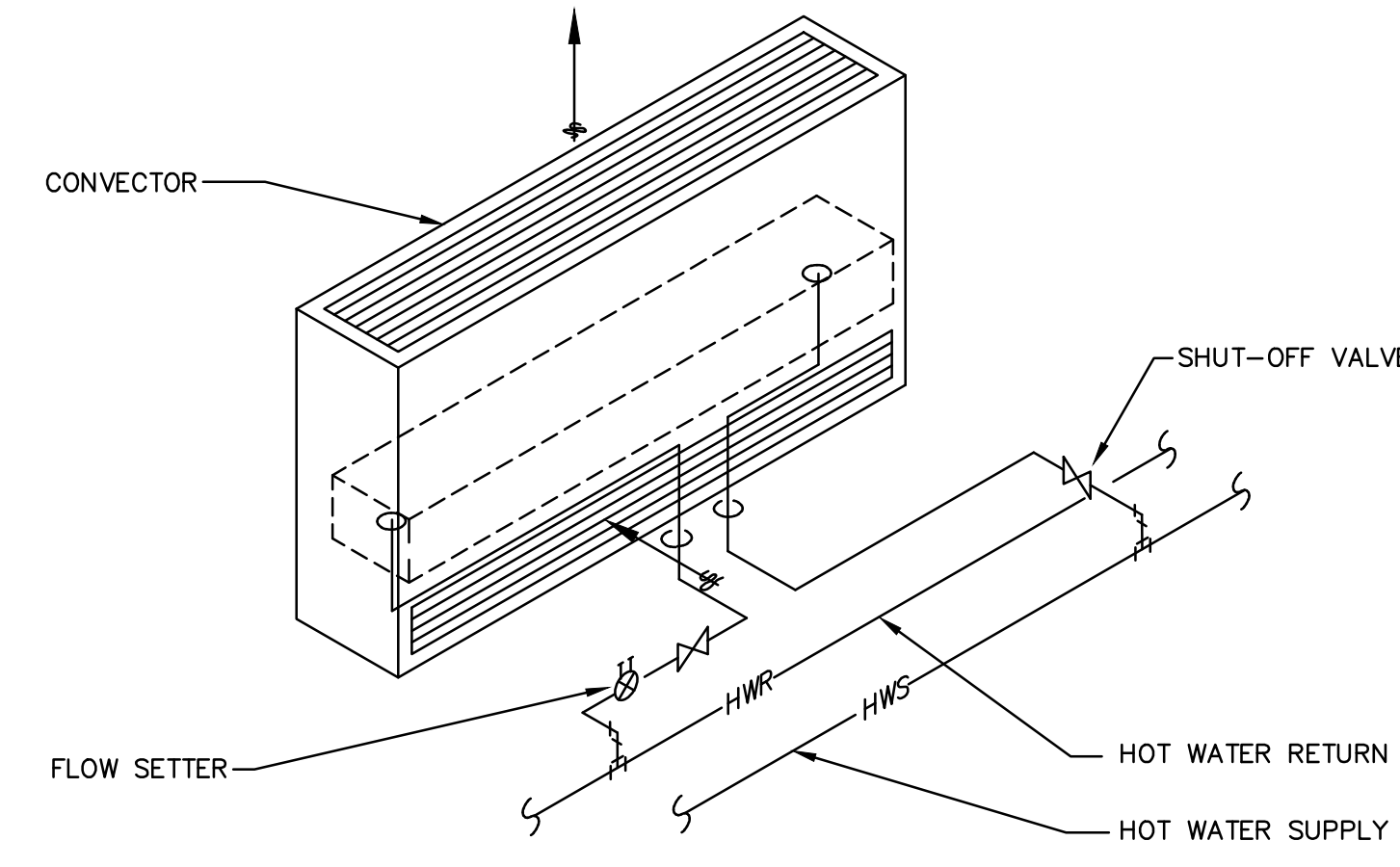
bbd ARCHITECTS
65 E. Wadsworth Park Dr., Ste. 205 Provo, UT 84601
Phone: 801.571.0010
Fax: 801.571.0003
Draper, Utah 84020
Toll Free: 888.571.0010
bbdarchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NAME: **Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and Chery Hill Stake**
1700 South 400 East
Orem, Utah
PROPERTY #: 505-1975
PLAN SERIES: N/A
BIDD/PROJECT #: 1822
DATE: 13 June 2018

SHEET TITLE: **MECHANICAL PLANS**

SHEET: **M101**



D HOT WATER CONVECTOR DETAIL
M501 NO SCALE

HOT WATER CONVECTOR SCHEDULE							
MARK	MANUFACTURER & MODEL ①	LENGTH	DEPTH	HEIGHT	MIN. BTUH ②	MIN. GPM	REMARKS
C1	AIRTHERM FSG-A24	28"	4"	24"	2,200	0.3	③
C2	AIRTHERM FSG-A24	36"	6"	24"	4,700	0.5	③ ④

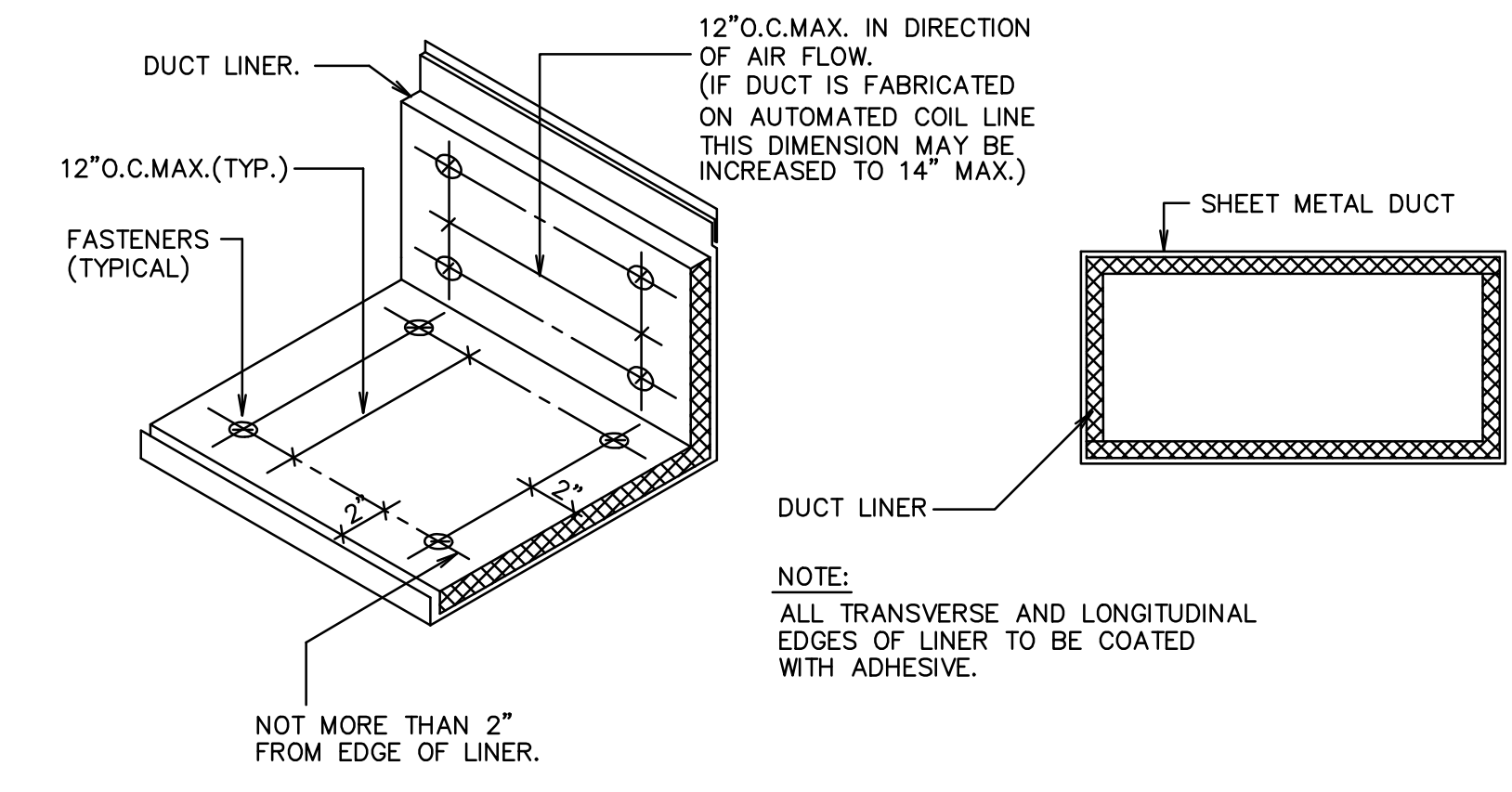
- ① SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
- ② BASED ON 180°F ENT WTR, 160°F LVG WTR, AND 65°F ENT AIR.
- ③ SURFACE MOUNTED FREE-STANDING WALL CABINET UNIT, TOP OUTLET GRILLE, BOTTOM INLET GRILLE
- ④ VERIFY/MATCH EXISTING SIZE PRIOR TO ORDERING.

EXHAUST FAN SCHEDULE ①				
MARK	SERVES ROOM	MIN. S.C.F.M.	STATIC PRESSURE IN. W.G.	MIN. WATTS
EF1	SERVING AREA 103	200	0.2	166W

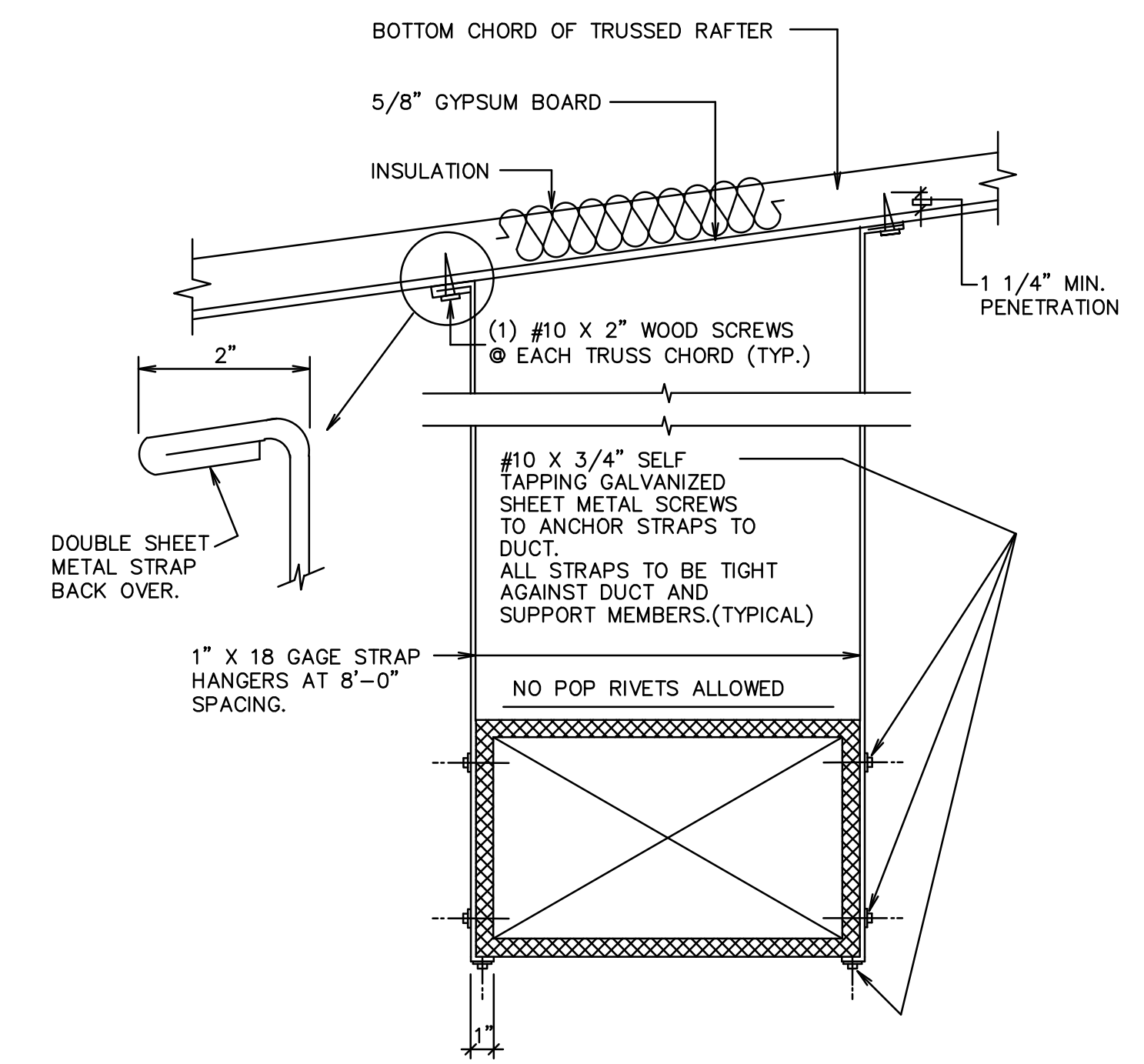
① CONTROL BY DIVISION 26.

REGISTER, LOUVER & GRILLE SCHEDULE					
MARK	TYPE	SERVICE	CFM RANGE ①	NOMINAL SIZE	REMARKS ②
RG-1	FLOOR	③ TA	1290	30X10	
EG-1	CEILING	④ EA	75	6X6	
EG-2	CEILING	④ EA	280	12X12	

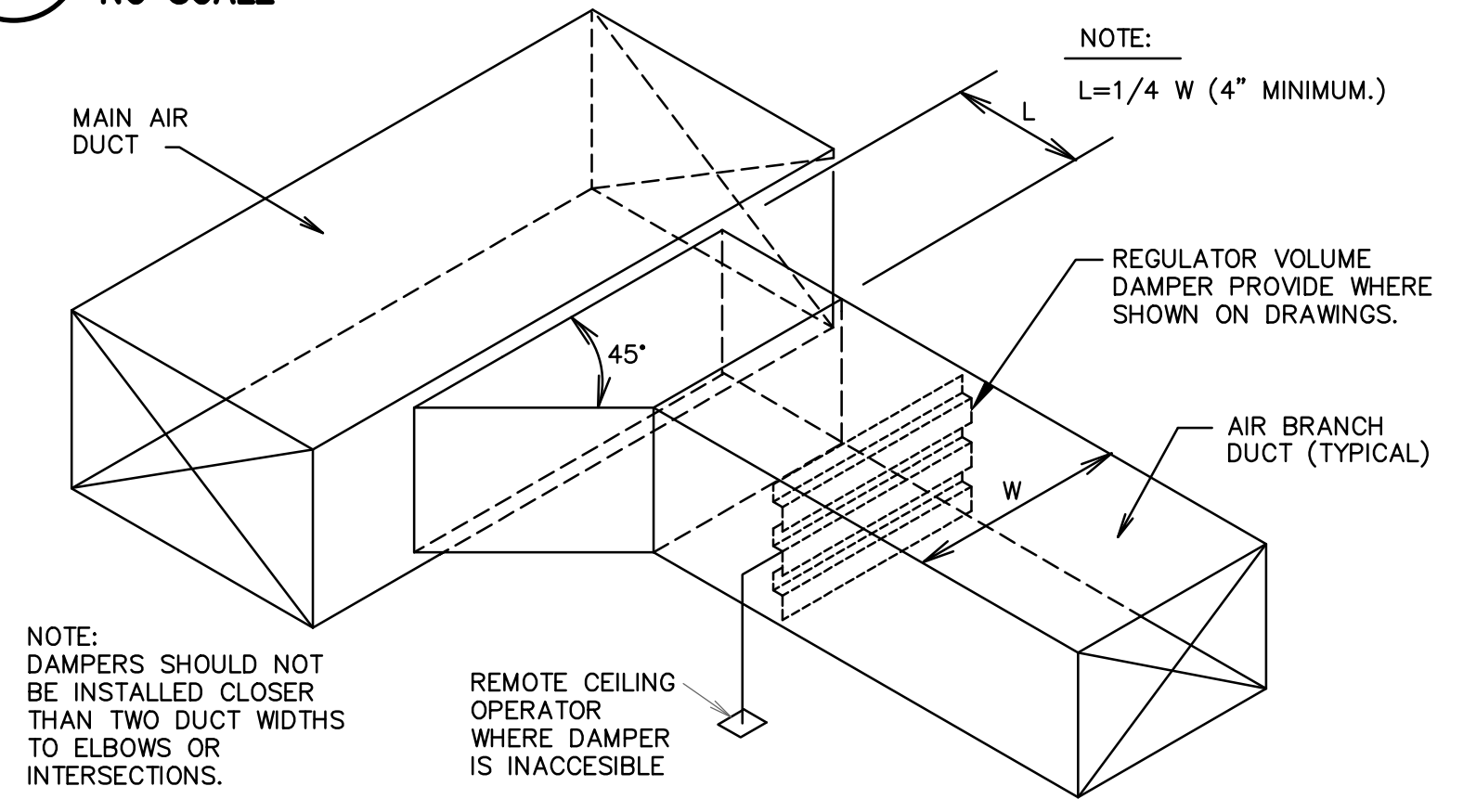
- REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:
- ① MAXIMUM NC=25 @ MAXIMUM CFM NOTED.
 - ② SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
 - ③ FINISH SHALL BE ANODIZED ALUMINUM
 - ④ FINISH SHALL BE OFF-WHITE BAKED ENAMEL



A DUCT LINER DETAIL
M501 NO SCALE



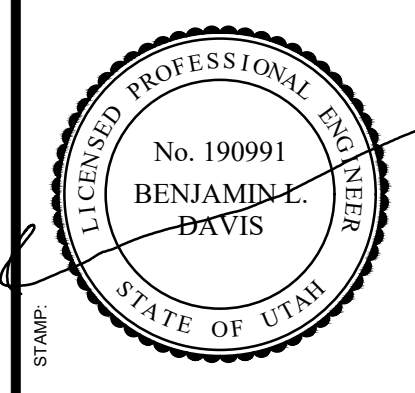
B DUCT STRAP HANGER DETAIL
M501 NO SCALE



C DUCT BRANCH CONNECTION DETAIL
M501 NO SCALE

#	DATE	DESCRIPTION
1	13 June 2018	Owner Review

VAN BOERUM & FRANK ASSOCIATES, INC.
CONSULTING ENGINEERS
Salt Lake City · Logan · St. George · Temple
801.530.3148 T
801.530.3150 F
Salt Lake City, UT 84111
VBA Project Number: 18052



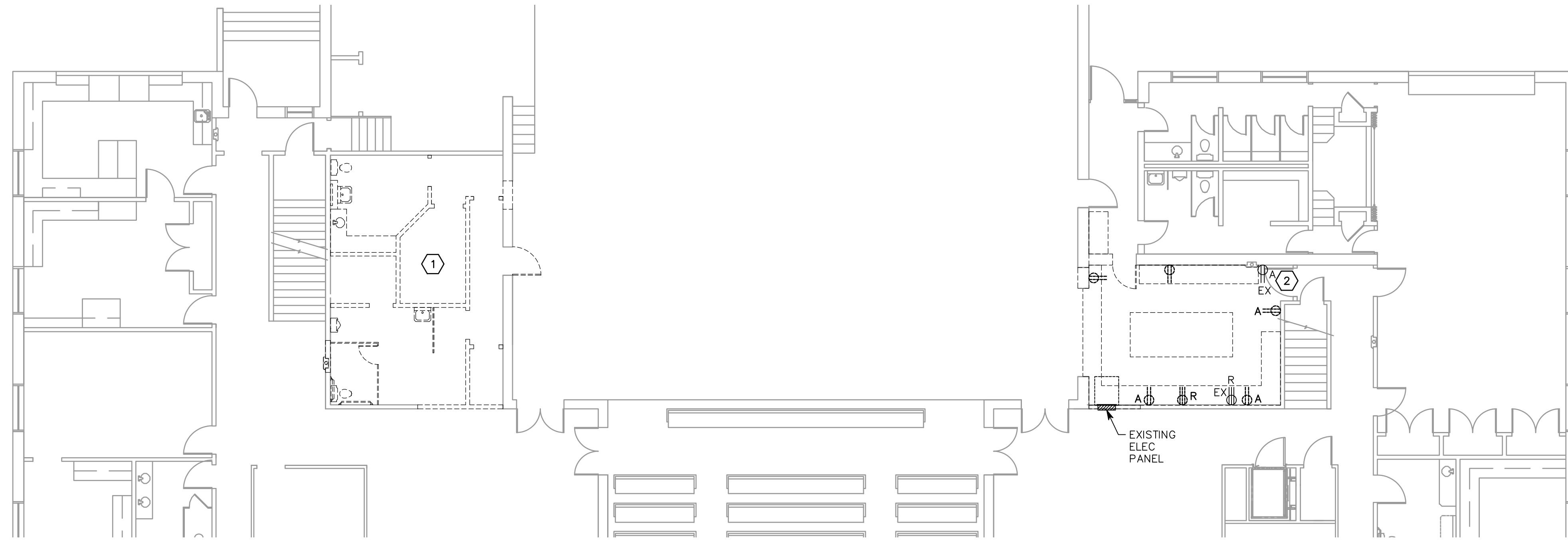
bbd ARCHITECTS
65 E. Widsworth Park Dr., Ste. 205
Draper, Utah 84020
Phone: 801.571.0010
Fax: 801.571.0003
Toll Free: 888.571.0010
bbdarchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

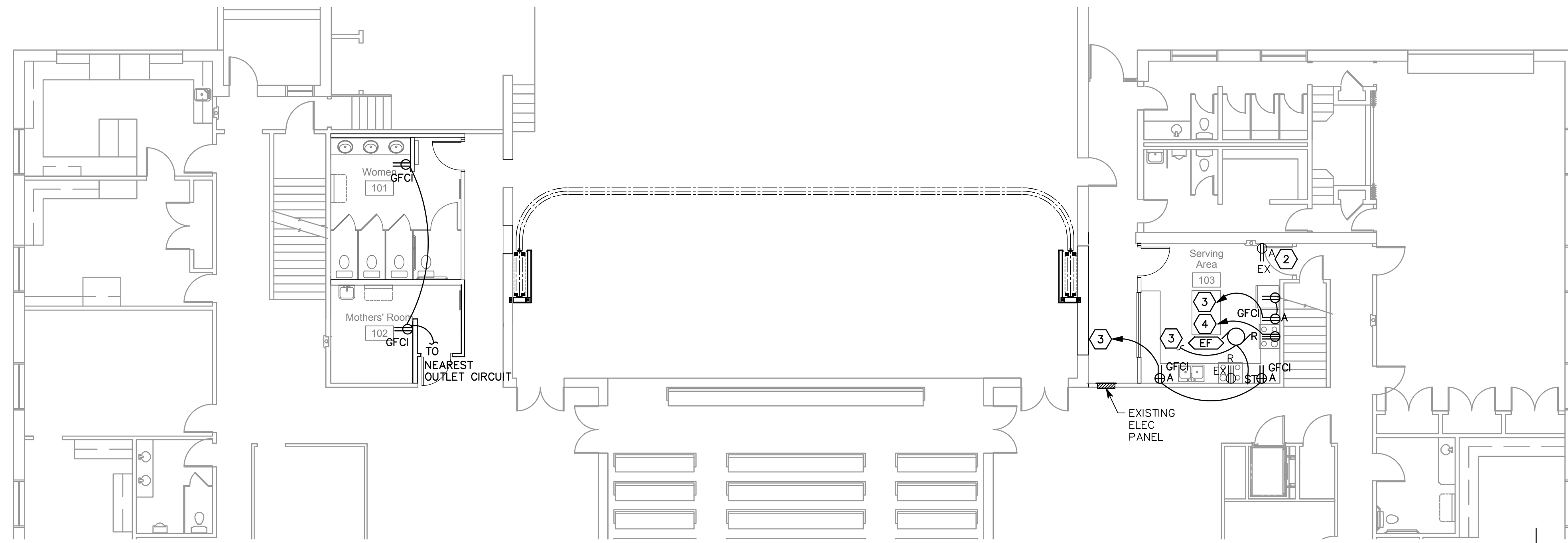
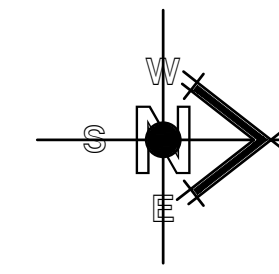
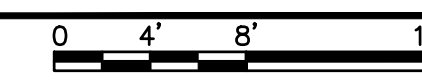
PROJECT NAME: **Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition and UT Cherry Hill Stake**
1700 South 400 East
Orem, Utah

SHEET TITLE: **MECHANICAL DETAILS**
SHEET: **M501**

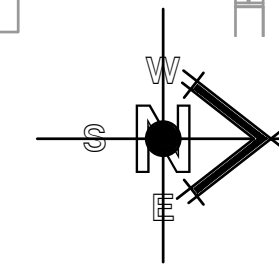
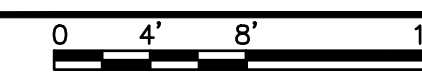
File Name: P:\2018\20180192\Drawings\3Sheet\92E101.dwg Last Plotted: 2018/05/15 @ 10:15 AM By: rachel



1 DEMOLITION POWER PLAN
1/8" = 1'-0"



2 NEW POWER PLAN
1/8" = 1'-0"

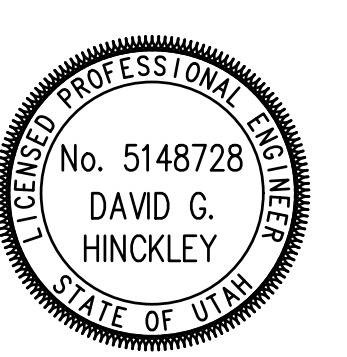


SHEET KEYNOTES

1. REMOVE EXISTING ELECTRICAL IN THIS AREA.
2. CHANGE TO GFCI.
3. TO EXISTING 20/1 CIRCUIT BREAKER.
4. TO EXISTING 50/2 CIRCUIT BREAKER WITH 3#6, #10 GROUND.

PLOTTED:

#	DATE	DESCRIPTION	OWNER REVIEW
1	3 May 2018		



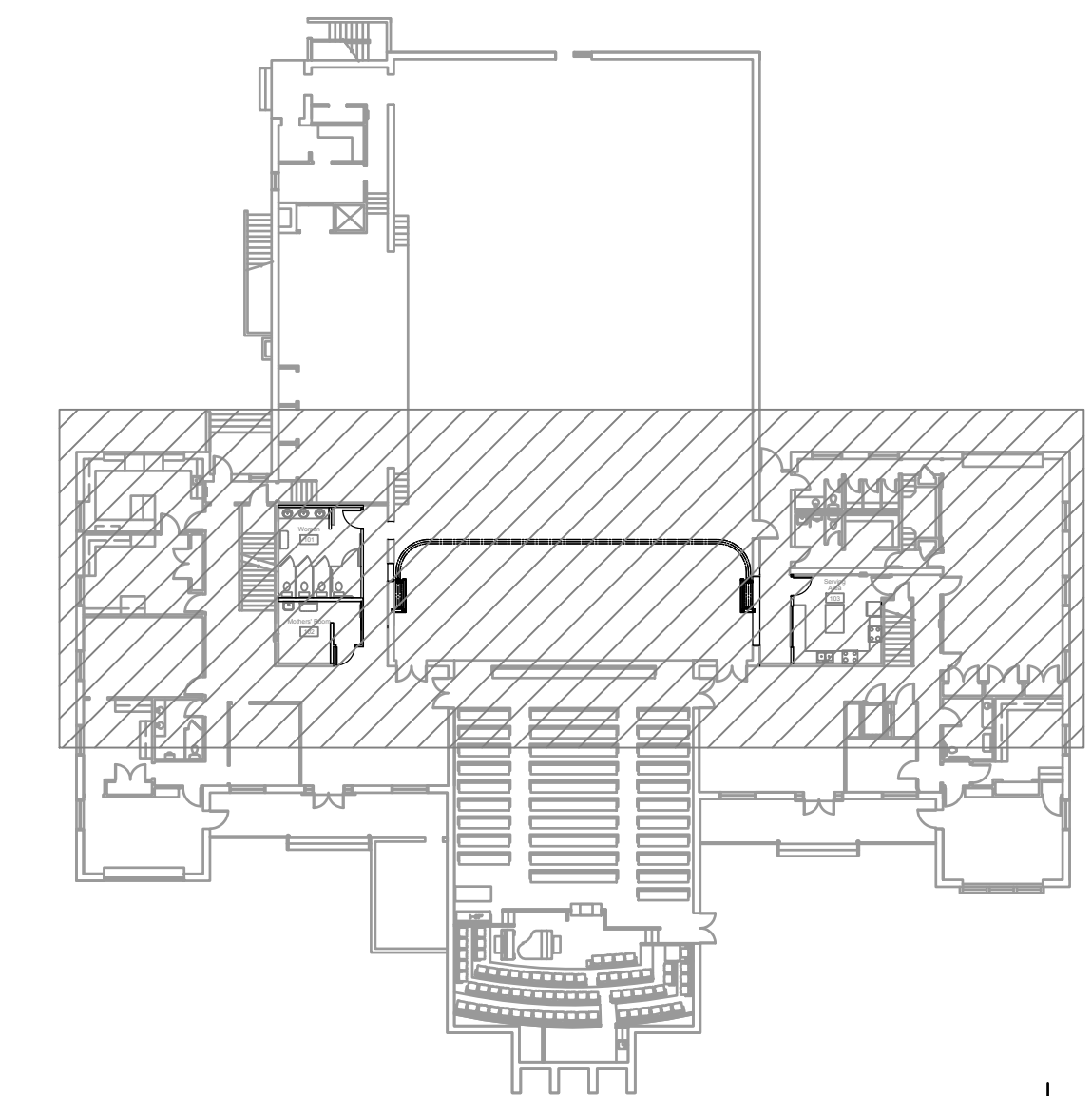
11b ARCHITECTS
 65 E. Widworth Park Dr., Ste. 205 • Phone: 801.571.0010
 Draper, Utah 84020 • Fax: 801.571.0933
 Tol Free: 888.571.0010
 bharchitects.com

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

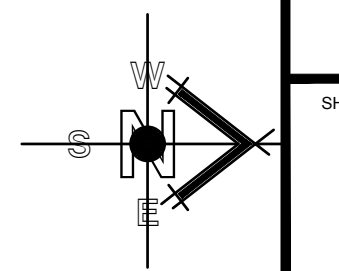
Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
 Orem UT Cherry Hill Stake
 1700 South 400 East
 Orem, Utah

PROPERTY # 505-1975
 PLAN SERIES: N/A
 BHGA PROJECT # 1822

SHEET TITLE:
POWER PLANS



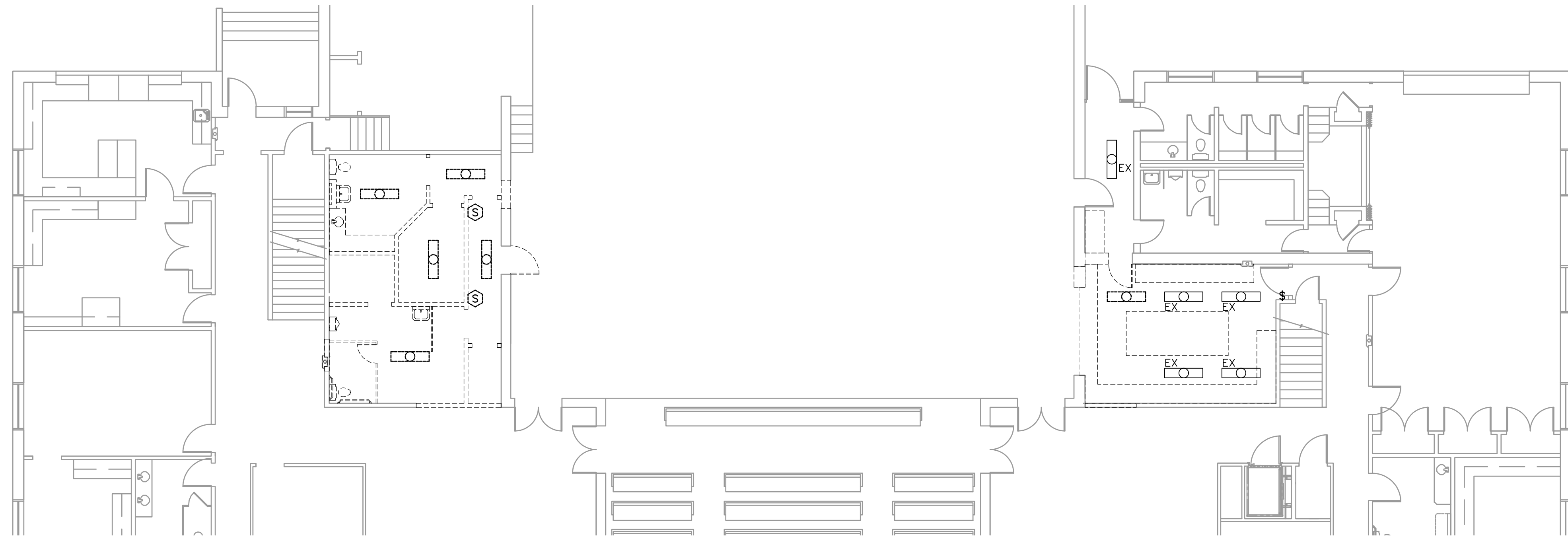
A KEY PLAN
1" = 30'-0"



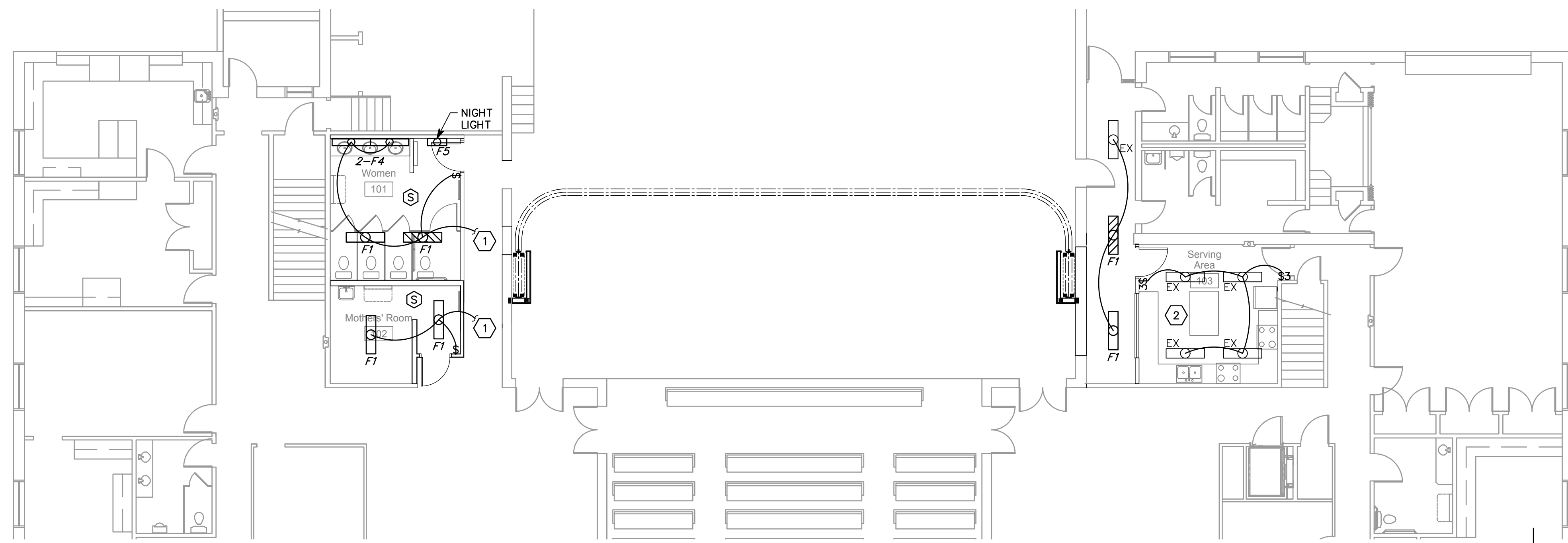
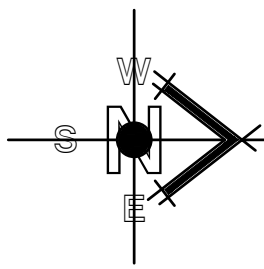
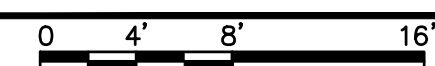
SHEET:

E101

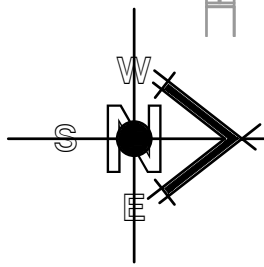
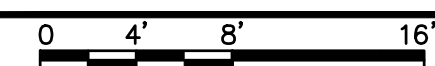
File Name: P:\2018\20180192\Drawings\3Sheet\92E111.dwg Last Plotted: 2018/05/15 @ 10:15 AM By: rochelle



1 DEMOLITION LIGHTING PLAN
1/8" = 1'-0"



2 NEW LIGHTING PLAN
1/8" = 1'-0"



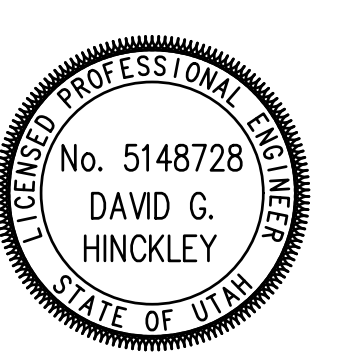
FIXTURE SCHEDULE						
TYPE	NAME	MANUFACTURER CATALOG NUMBER	LOAD (VA)	LAMPS TYPE	MOUNTING	REMARKS
F1	DAY-BRITE METALUX H.E. WILLIAMS LSI LITHONIA COLUMBIA	OWN232-UNV-1/2-EB WN-232A-UNV-GE-GE232MAXULTRA-U 17-4-LS5/BXX-A-DIM-UNV WNA10-232-SSOLR-UE SB232 MVOLT APLP AWN-232	56	2-28W T8 3000K	SURFACE	4'x10" FIXTURE WITH WRAP AROUND ACRYLIC LENS. *ELECTRONIC BALLAST SEE SPEC. 265100
F4	DAY-BRITE METALUX DECO LSI LITHONIA COLUMBIA	CD117W-UNV-1/1-EB BE117-UNV-GE-GE117MAXPLULTRA-U DWB-LED-D-2-22-UNV-DM WB117-SSOLR-UE WP117 MVOLT APLP WAL2-117	20	1-28W T8 3000K	WALL	2' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. *ELECTRONIC BALLAST SEE SPEC. 265100 MOUNT AT CEILING
F5	DAY-BRITE METALUX DECO LSI LITHONIA COLUMBIA	CD132W-UNV-1/1-EB BE132-UNV-GE-GE132MAXPLULTRA-U DWB-LED-D-4-45-UNV-DM WB132-SSOLR-UE WP132 MVOLT APLP WAL4-132	28	1-28W T8 3000K	WALL	4' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. *ELECTRONIC BALLAST SEE SPEC. 265100 MOUNT ABOVE MIRRORS AT 7'-0". SEE SHEET A408

SHEET KEYNOTES

- TO EXISTING CIRCUIT SERVING ROOM.
- ADJUST LOCATIONS OF EXISTING LIGHTING TO MATCH LAYOUT SHOWN HERE.

PLOTTED:

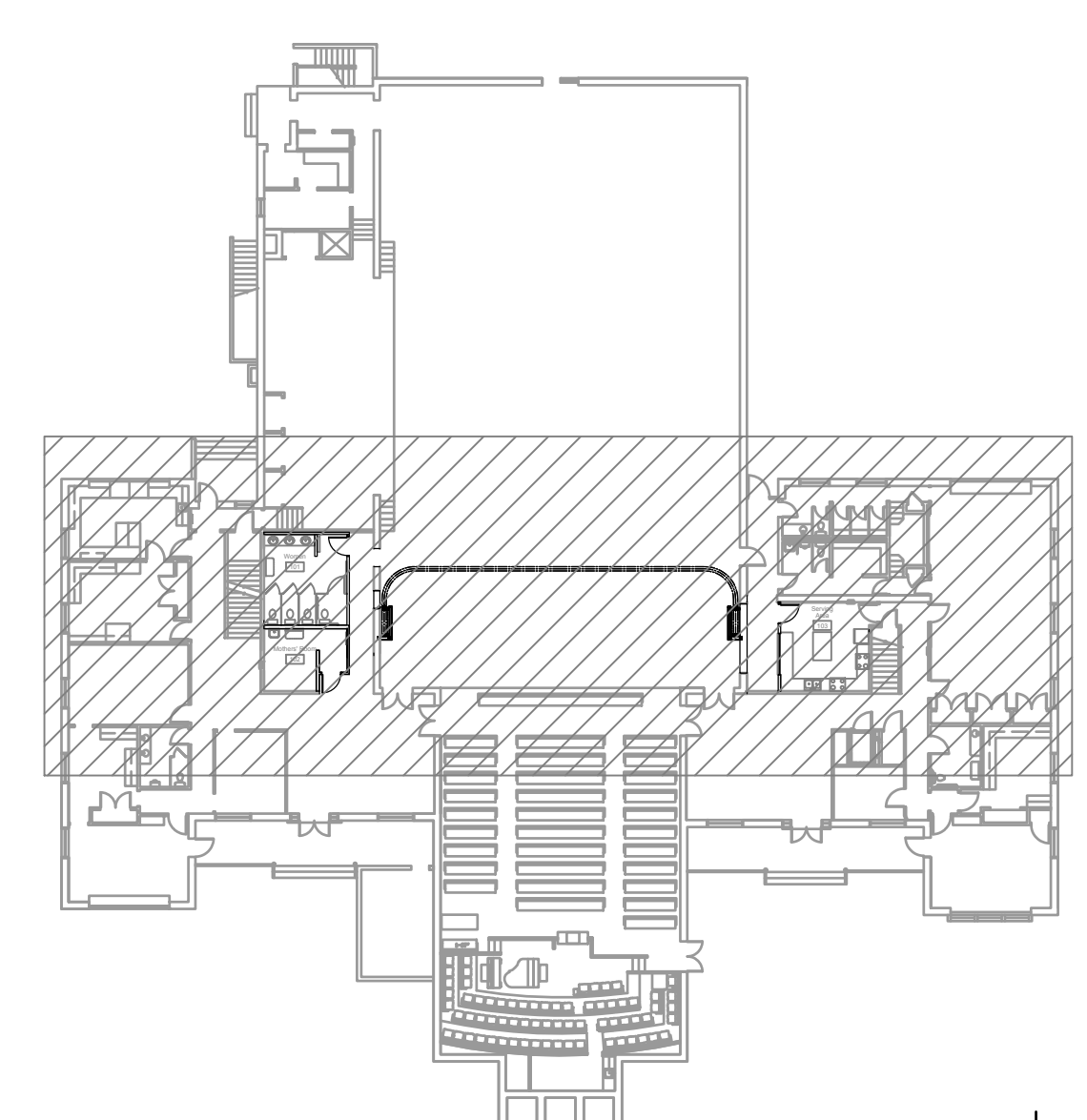
#	DATE	DESCRIPTION
1	3 May 2018	Owner Review



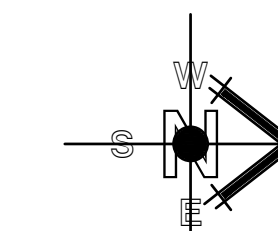
11b ARCHITECTS
65 E. Widworth Park Dr., Ste. 205 • Phone: 801.571.0010
Draper, Utah 84020 • Fax: 801.571.0993
Toll Free: 888.571.0010
b1barchitects.com

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Cherry Hill 1, 2, 4 Mothers Room and Accordion Partition
Orem UT Cherry Hill Stake
1700 South 400 East
Orem, Utah
BID#A PROJECT # 1822
PLAN SERIES: N/A
PROPERTY # 505-1975



A KEY PLAN
1" = 30'-0"



SHEET TITLE: LIGHTING PLANS

E111