BATHROOM UPGRADES CLEARFIELD HUMAN SERVICES BUILDING



State of Utah-Department of Administrative Services

AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

THROUGH THE OPENING CREATED FOR THE EXHAUST FAN.



8/30/19

NATIONAL ELECTRICAL CODE

2120 NORTH MAIN STREET

DFCM APPROVAL





CODE ANALYSIS

APPLICABLE CODES

DFCM PROJECT # 20155400

1350 EAST 1450 SOUTH

INTERNATIONAL BUILDING CODE

CLEARFIELD, UT 84015

CARTWRIGHT PROJECT # 119046

	'''	LINIALIONA	L DOILDING COL	<i>,</i> _	2010	IVATION	AL LLLCTRICAL COL	, _	2017	
	INTERNATIONAL MECHANICAL C			CODE				1007		
	INT	ERNATIONA	L PLUMBING CO	DE	<u>2018</u>	BUILDING	G CONSERVATION		<u>1997</u>	
	INT	ERNATIONA	L FIRE CODE		<u>2018</u>	ADA ACC	ESSIBILITY GUIDELI	INES	N/A	.
		ernationa Nservation			<u>2018</u>					
	Α.	CHANGE IN		_ NC) <u>X</u>	MIXED OCCU	 PANCY: YES MALL): <u>NA</u>			
	B.	SEISMIC DE	SIGN CATEGOR	Y:	II	DESIGN W	IND SPEED: <u>100</u> N	МРН		
	C.	TYPE OF CO	ONSTRUCTION: (CIRCL	LE ONE)					
		<u>I</u> A	$\frac{\underline{I}}{B}$ $\frac{\underline{II}}{A}$		II III B A	<u>III</u> B	$\frac{IV}{HT}$ $\frac{V}{A}$	$\left(\begin{array}{c} V \\ B \end{array}\right)$		
	D.	FIRE SEPAR	ANCE RATING. F ATION DISTANC SOUTH:(E (IN	HOURS):		O	ON TH	ΗE	
	E.	MIXED OCC	CUPANCIES: <u>NA</u>	_	NON	ISEPARATED U	ISES: <u>NA</u>			
.E	F.	SPRINKLER: REQUIRED:		ROVID	DED: <u>NO</u>	TYPE OF	SPRINKLER SYSTER	M: <u>N</u> A	<u>4</u>	
	G.	NUMBER O	f stories: <u>1</u>	_		BUIL	DING HEIGHT: <u>14'</u>			
	H.	ACTUAL AR	ea per floor (SQUA	RE FEET):	<u>24,1</u> 36				
	I.	TABULAR A	REA: <u>NA</u>							
	J.	AREA MOD	IFICATIONS:	NA						
	K.	FIRE RESIST	ANCE RATING R	REQUI	REMENTS FO	OR BUILDING I	ELEMENTS (HOURS)	:		
	ELEN	1ENT		HRS	ASSEMBLY LISTING	ELEMENT		HRS	ASSEMBI LISTING	Y
	EXTE	RIOR BEARII	NG WALLS	0		FLOORS - CEI	LING FLOORS	0		
	INTE	RIOR BEARI	NG WALLS	0		ROOFS - CEIL	ING ROOFS	0		
	EXTE	RIOR NON-I	BEARING WALLS	0		EXTERIOR DO	ORS & WINDOWS	0		
	CTDI	ICTUDAL ED	A N / F	_		CLIAFT FNICLO	CLIDEC			

DFCM PROJECT #	20155400
CARTWRIGHT PROJECT #	119046
DATE:	8/30/19
DRAWN BY:	FWP
NG CHECKED BY:	RSB
APPROVED BY:	JMC
DEVICIONIC	
REVISIONS A DATE DESCRIPTION	

50 UT

PLUMBING FACILITIES:	
) <u>4</u> (F) <u>4</u> PROVIDED (M) <u>6</u> (F) <u>6</u>	
(F) <u>3</u> PROVIDED (M) <u>4</u> (F) <u>4</u>	
_	

TY CHAPTERS, THE MORE RESTRICTIVE REQUIREMENT SHALL ADDITIONAL CODE INFORMATION SHALL BE PROVIDED AT THE DISCRETION OF THE BUILDING OFFICIAL FOR COMPLEX BUILDINGS. INCLUDING, BUT NOT LIMITED TO:

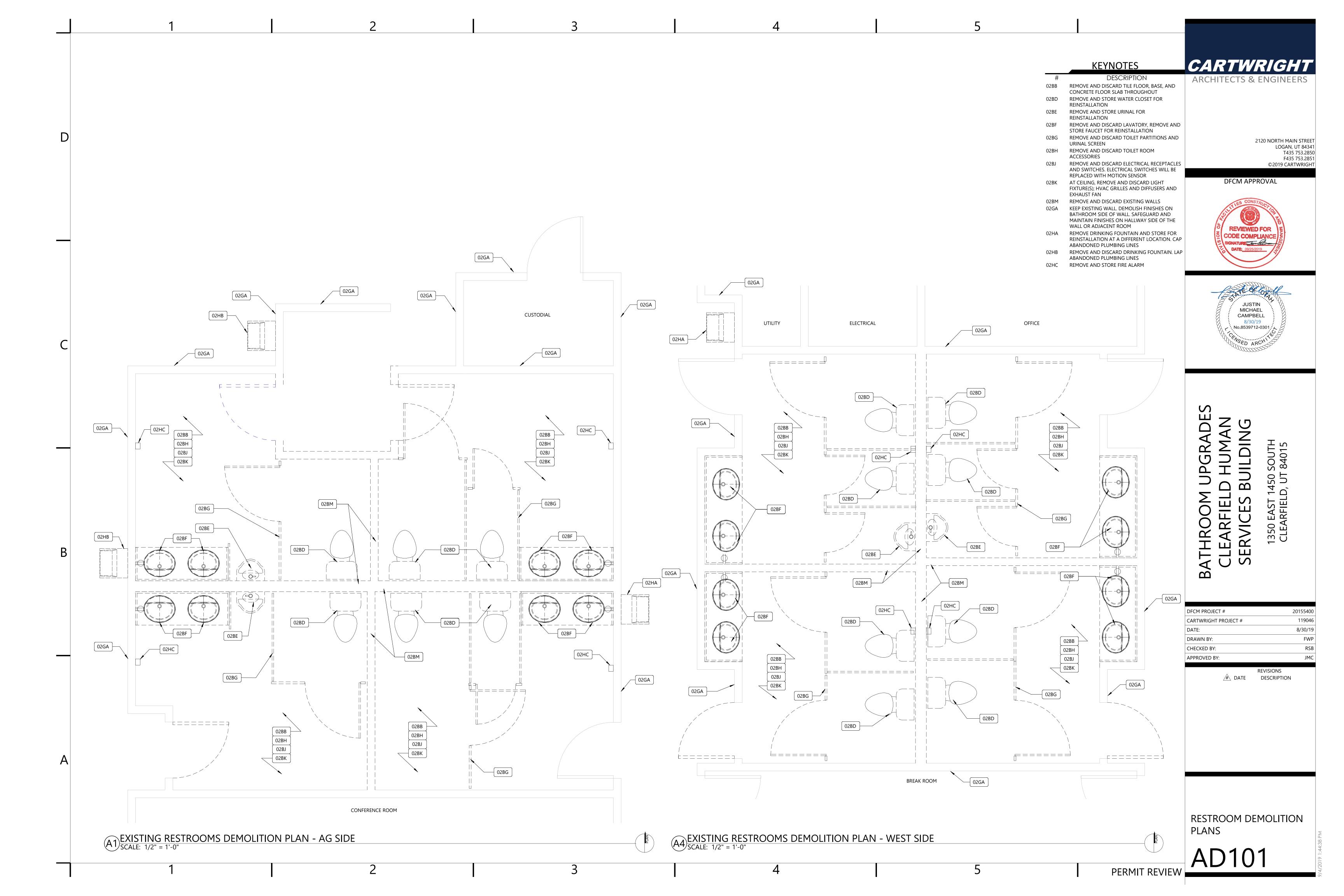
A. HIGH RISE REQUIREMENTS B. ATRIUMS

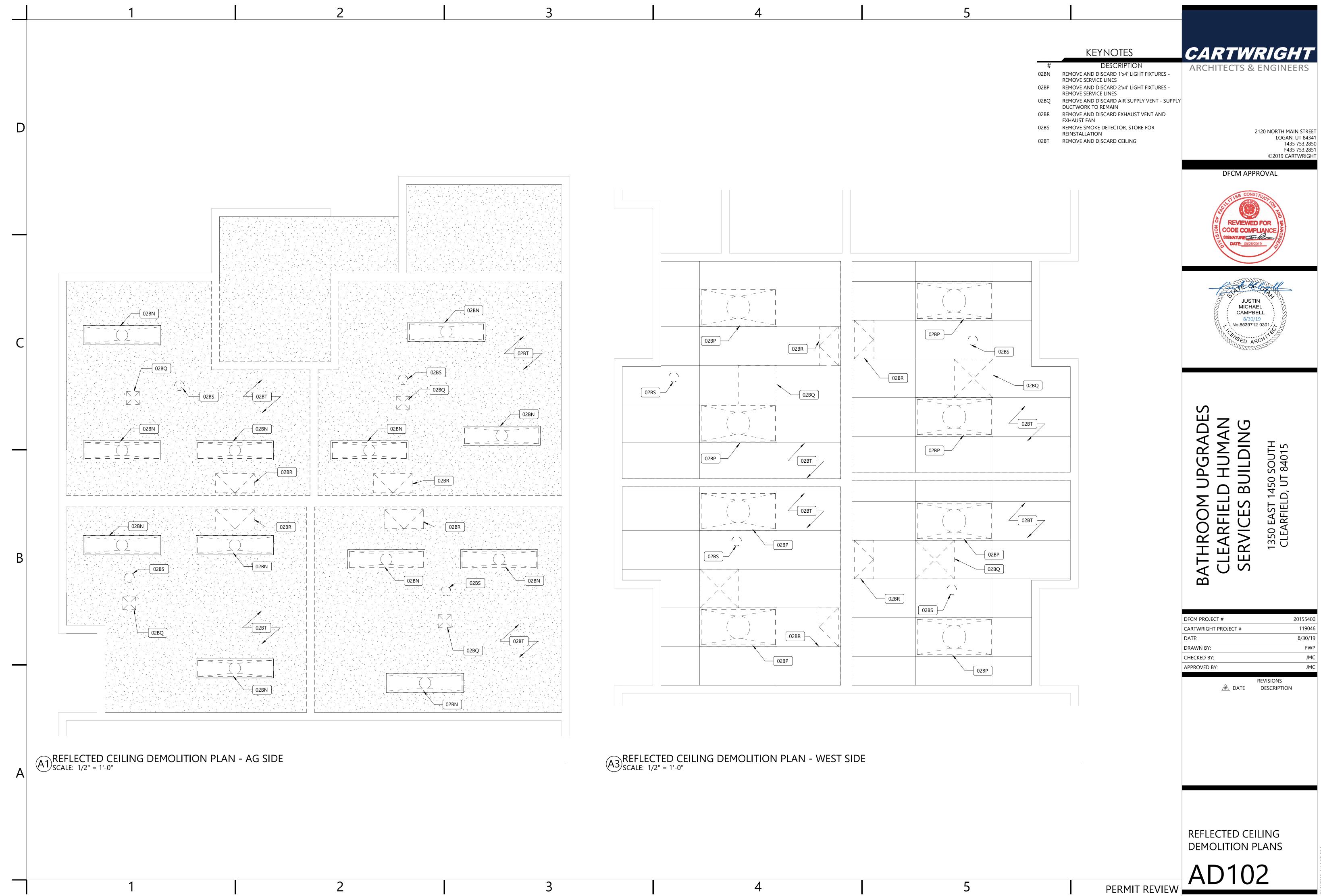
C. PERFORMANCE BASED CRITERIA

D. MEANS EGRESS ANALYSIS E. FIRE ASSEMBLY LOCATOR SHEET F. EXTERIOR AND INTERIOR ACCESSIBILITY ROUTE G. FIRE STOPPING, INCLUDING TESTED DESIGN NUMBER **COVER SHEET**

GI001

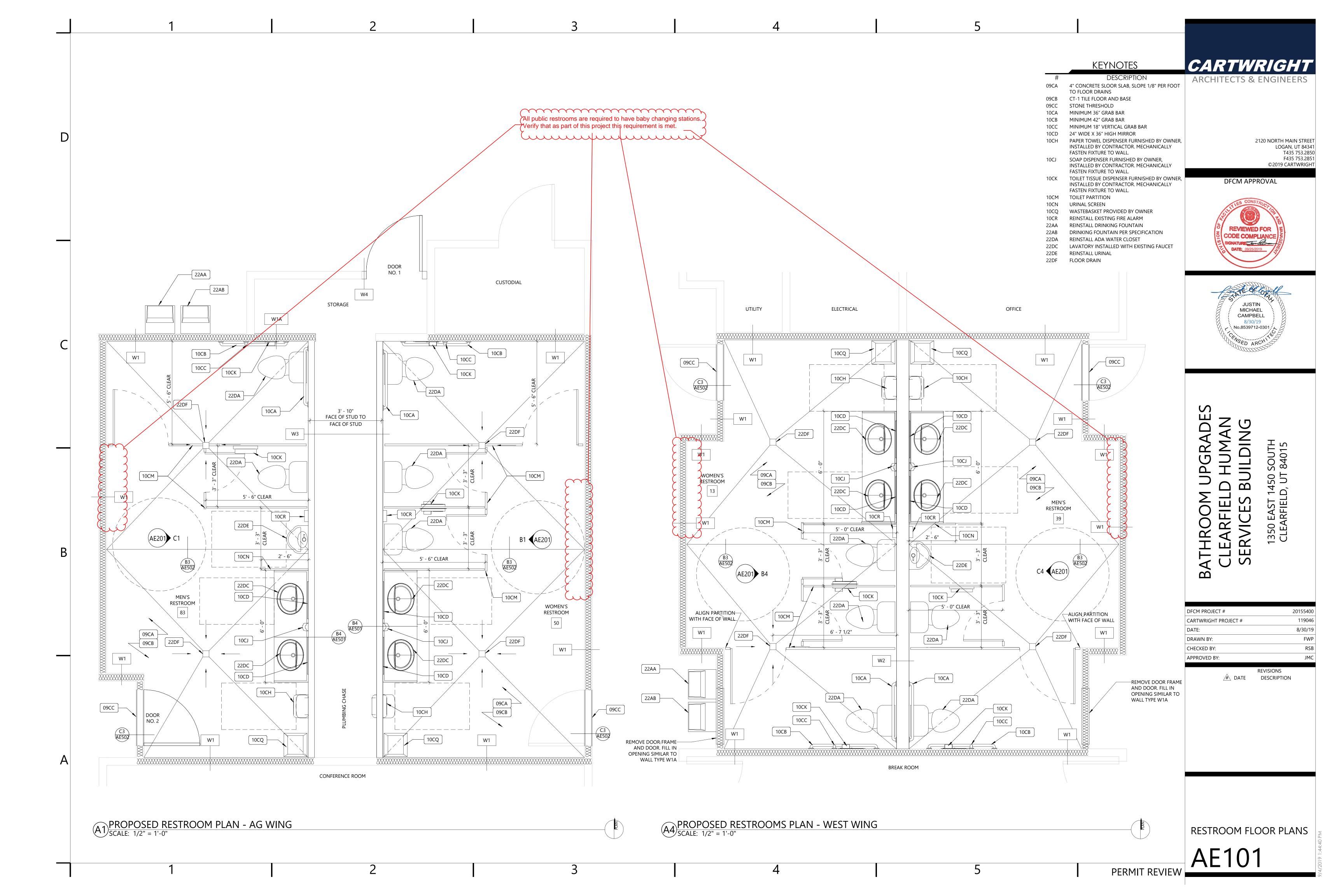
			CONSERVATION CODE	<u>2018</u>	
PROJECT DATA	<u>VICINITY MAPS</u>	SHEET LIST	A. OCCUPANCY AND GROUP: CHANGE IN USE: YES NO SPECIAL USE AND OCCUPANCY(B MIXED OCCUPANCY: YE (e.g. HIGH RISE, COVERED MALL): NA II DESIGN WIND SPEED:	.
ARCHITECT JUSTIN CAMBELL CARTWRIGHT AEC 2120 NORTH MAIN STREET NORTH LOGAN, UT PHONE: (435) 753-2850 ext. 104	Sundown Steed Park Steed Park WEST W 300 N WEST GATE ADDITION WEST GATE ADDITION	SHEET NUMBER SHEET NAME GI001 COVER SHEET AD101 RESTROOM DEMOLITION PLANS AD102 REFLECTED CEILING DEMOLITION PLANS AE101 RESTROOM FLOOR PLANS AE121 REFLECTED CEILING PLANS AE201 RESTROOM INTERIOR ELEVATIONS	C. TYPE OF CONSTRUCTION: (CIRCI	LE ONE) II III III IV B A B HT DIREMENTS FOR THE EXTERIOR WALLS I HOURS):	$\frac{V}{A}$ $\frac{V}{B}$
MECHANICAL ENGINEER HENK BRENKMANN BRENKMANN & COMPLANY 1770 RESEARCH PARK WAY, SUITE 165 LOGAN, UT PHONE: (435) 554-7771	TO S WIND	AE501 ARCHITECTURAL DETAILS AE502 SANITARY FACILITIES DETAILS, DOOR SCHEDULE EE100 RESTROOM ELECTRICAL SPECIFICATIONS EE101 RESTROOM ELECTRICAL LIGHTING PLANS EE102 RESTROOM ELECTRICAL POWER PLANS ME100 MECHANICAL OVERVIEW ME101 MECHANICAL DEMOLITION ME102 MECHANICAL FLOOR PLAN	E. MIXED OCCUPANCIES: NA NONSEPARATED USES: NA F. SPRINKLERS: REQUIRED: NO PROVIDED: NO TYPE OF SPRINKLER SYSTEM: NA G. NUMBER OF STORIES: 1 BUILDING HEIGHT: 14' H. ACTUAL AREA PER FLOOR (SQUARE FEET): 24,136 I. TABULAR AREA: NA		
ELECTRICAL ENGINEER	ANCHORAGE ANCHORAGE Repaired Barnes & Noble Repaired Barnes & Noble	PE100 PLUMBING OVERVIEW PE101 PLUMBING DEMOLITION	J. AREA MODIFICATIONS: NA		
JOE GODFREY		PE101 PLOMBING DEMOLITION PE102 MAIN FLOOR PLUMBING	K. FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):		
	Layton Hills Mall O	PE103 PLUMBING ISOMETRICS		ASSEMBLY ELEMENT	HRS ASSE
SODFREY ENGINEERING	Layton Hills Mall Q		EXTERIOR BEARING WALLS 0	FLOORS - CEILING FLOOR	
567 NORTH 310 WEST OGAN, UT	250 5		INTERIOR BEARING WALLS 0	ROOFS - CEILING ROOFS	
HONE: (435) 752-3593	W-1400-5 W-1400-5		EXTERIOR NON-BEARING WALLS 0 STRUCTURAL FRAME 0	EXTERIOR DOORS & WIN	4DOM2 0
3.12. (100) 102 0000		<u>DEFERRED SUBMITTALS</u>	PARTITIONS - PERMANENT NA		NA NA
	ess-Dr — M		FIRE BARRIERS	FIRE PARTITIONS	NA
		FIRE ALARM AND SMOKE DETECTOR MODIFICATIONS: MODIFICATIONS TO		SMOKE PARTITIONS	NA
	E-1450 S E-1450 S E-1450 S E-1450 S	THE LOCATIONS OF THE SMOKE DETECTORS AND FIRE ALARM WITHIN EACH ROOM. REINSTALL EXISTING SMOKE DETECTORS AND FIRE ALARMS, CONNECT TO EXISTING SYSTEM. REQUIRED SUBMITTALS:	L. DESIGN OCCUPANT LOAD: 161 EXIT WIDTH REQUIRED: 36" M. MINIMUM NUMBER OF REQUIRE	EXIT WIDTH PROVIDED: <u>252</u>	<u>2"</u>
	SCOPE OF WORK	SHOP DRAWINGS	A. WATER CLOSETS: REQUIRED (I	M) 4 (F) 4 PROVIDED (M) 6 3 (F) 3 PROVIDED (M) 4 (F A	
	W-Hidden Cove N	OTHER NOTES	FOOTNOTES: 1. IN CASE OF CONFLICT WITH THE THROUGH V - ADA GUIDELINES BUILDING CODE ACCESSIBILITY (E U.S. DEPARTMENT OF FEDERAL REGIS AND SPECIFIC REFERENCE TO THE INT CHAPTERS, THE MORE RESTRICTIVE RE	NTERNATIONAL
		IT IS PREFERRED AND THE CONTRACTOR IS ALLOWED TO PUMP CONCRETE	GOVERN.	ON SHALL RE DROVIDED AT THE DISCR	

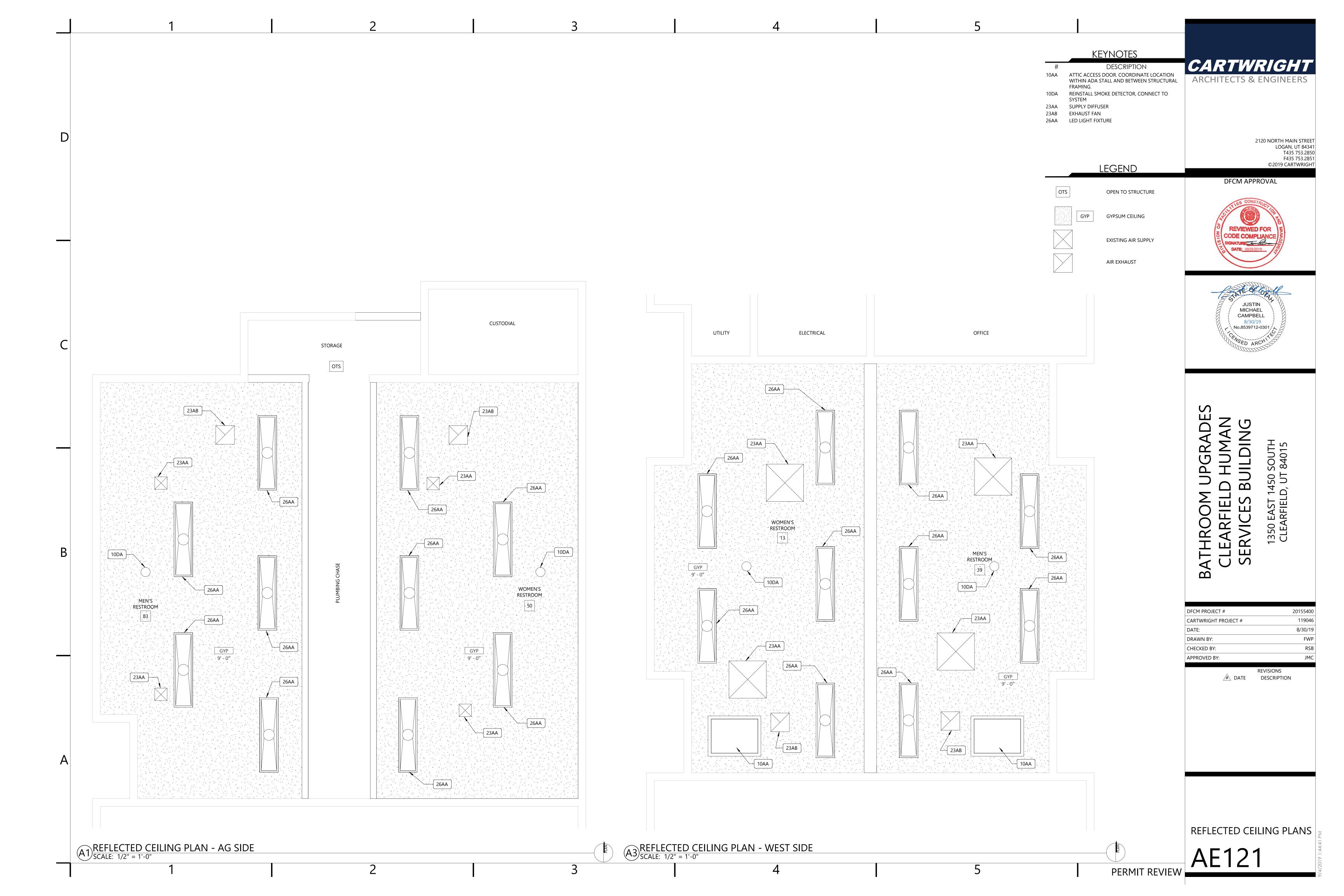


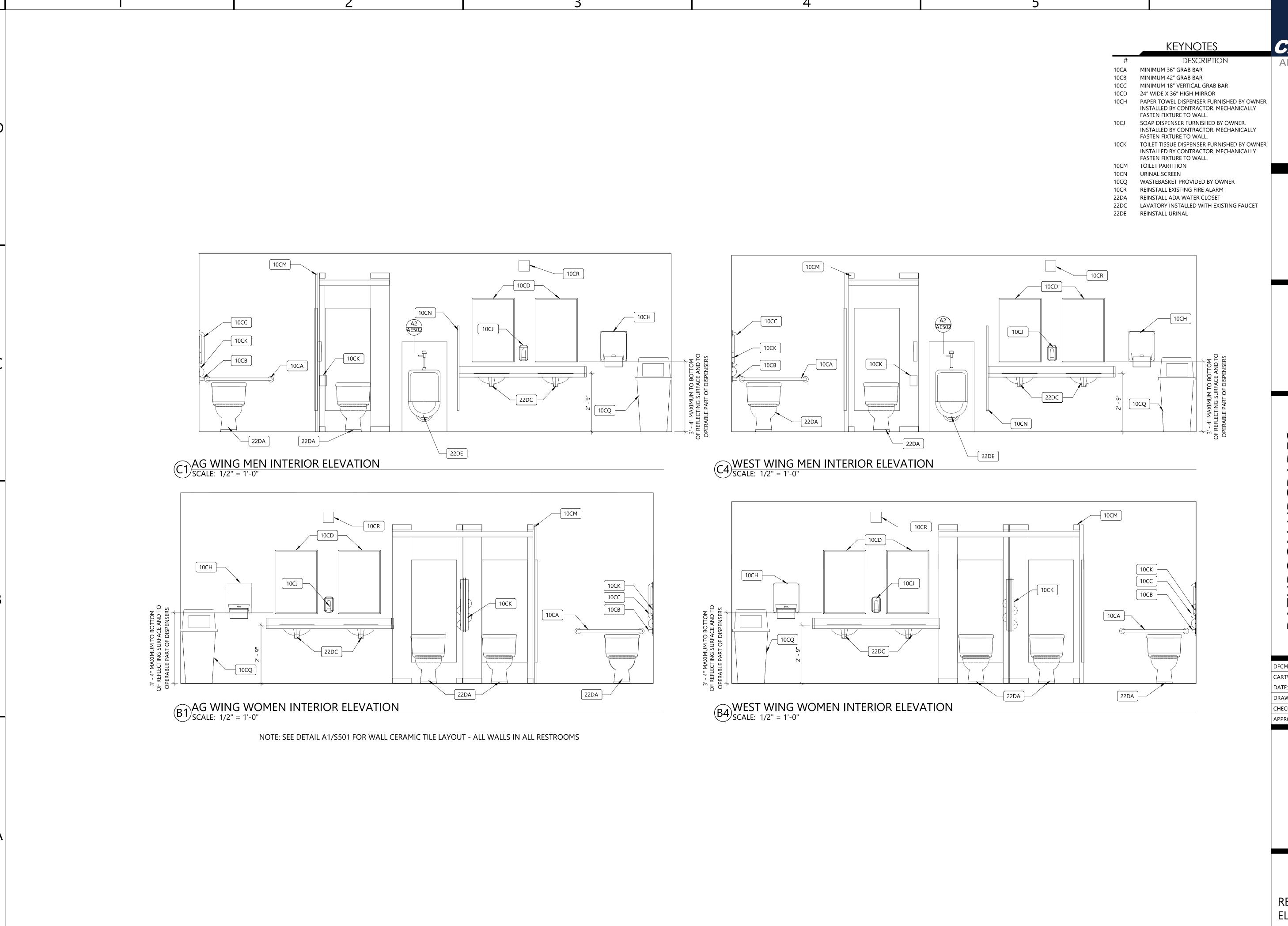


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APPROVED BY:	JMC







CARTWRIGH

ARCHITECTS & ENGINEERS

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DFCM APPROVAL





BATHROOM UPGRADES CLEARFIELD HUMAN SERVICES BUILDING 1350 EAST 1450 SOUTH CLEARFIELD, UT 84015

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RSB
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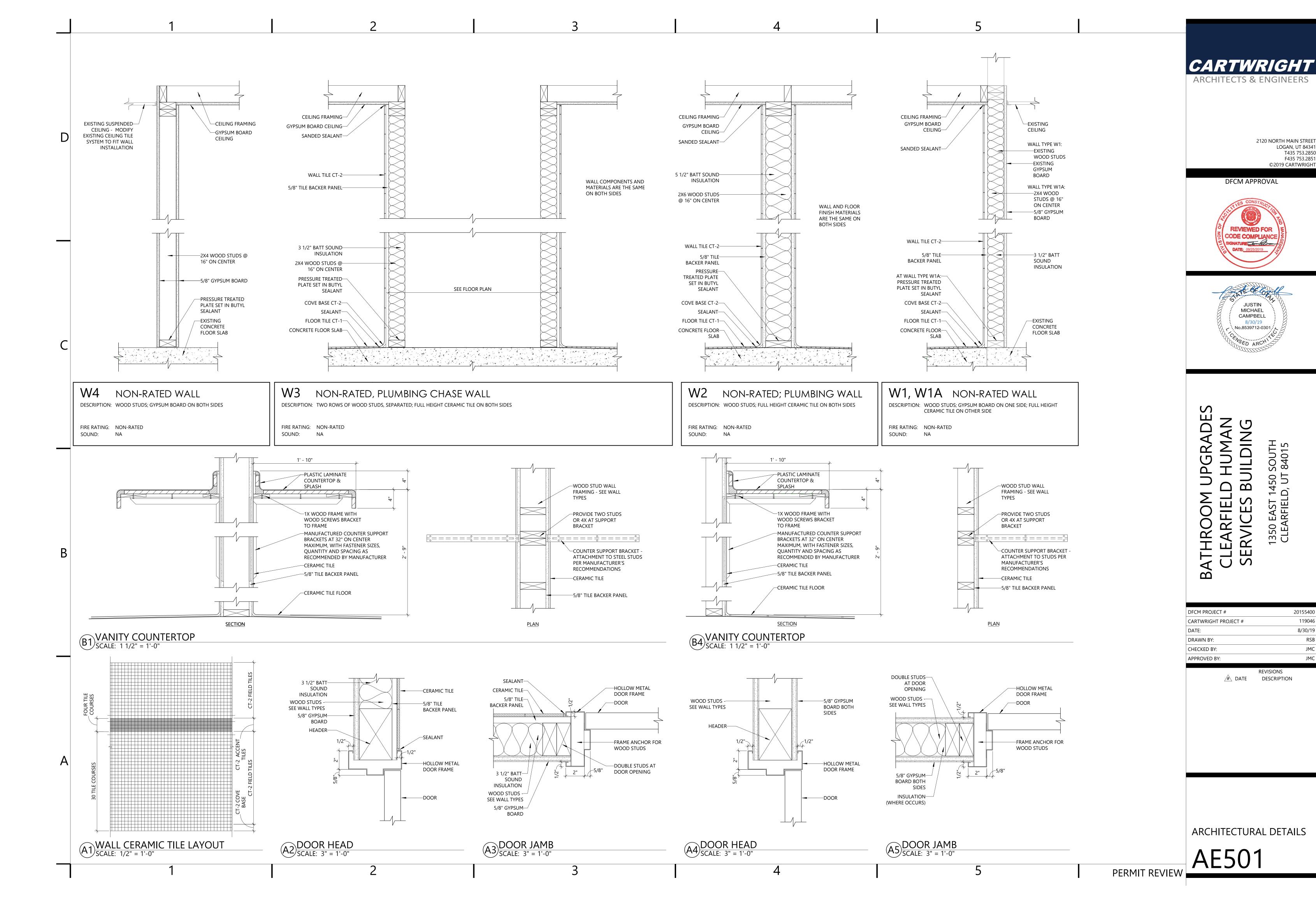
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RESTROOM INTERIOR ELEVATIONS

E201

PERMIT REVIEW



LOGAN, UT 84341

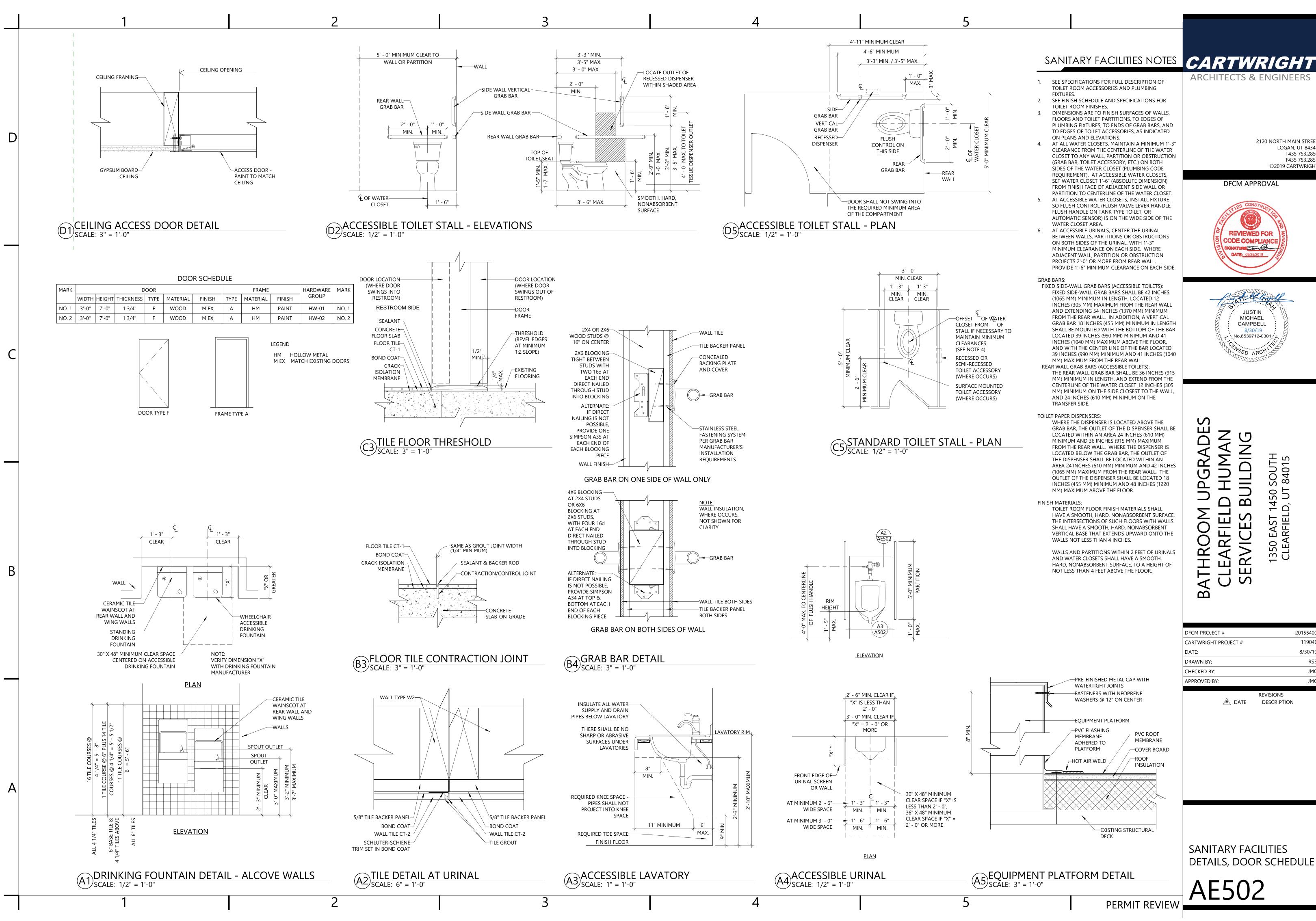
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20155400 119046

8/30/19

RSB

F435 753.2851



JUSTIN MICHAEL CAMPBELL 8/30/19 No.8539712-0301

2120 NORTH MAIN STREET

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REVIEWED FOR

CODE COMPLIANCE

NATURE Tompetor

LOGAN, UT 84341

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1350 EAST CLEARFIELI

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SANITARY FACILITIES DETAILS, DOOR SCHEDULE

ELECTRICAL SPECIFICATIONS:

1. INTENT:

COMPLETE AND OPERABLE SYSTEMS OF ELECTRICAL LIGHTING, POWER AND RECEPTACLES, ALTERATIONS AND ADDITIONS INCLUDING CONDUIT WIRING, OUTLETS, FIXTURES, DEVICES. AND LAMPS.

CONNECTION TO ALL A.C. EQUIPMENT AS INDICATED AND REQUIRED, INCLUDING ALL CONDUITS AND WIRES INDICATED, INCLUDING CONTROL CONDUITS AND OUTLETS.

COMPLIANCE WITH CODES:

ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, SAFETY ORDERS, LAWS, ORDINANCES AND REGULATIONS OF GOVERNING AUTHORITIES AND OTHER AGENCIES HAVING JURISDICTION, INCLUDING REGULATIONS OF THE STATE FIRE MARSHALL, NEC., ETC.

INTERPRETATION OF DRAWINGS:

THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, IN THAT ALL PROVISIONS NECESSARY TO CONFORM TO STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND PLUMBING SYSTEMS CAN NOT BE SHOWN. ALL INSTALLATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM AN TO AVOID OBSTRUCTIONS, WITHOUT ADDITIONAL COST TO THE OWNER.

ALL WORK, MATERIAL, AND EQUIPMENT CALLED FOR BY NOTES, SCHEDULES OR OTHERWISE INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED AS THOUGH FULLY SET FORTH IN THESE SPECIFICATIONS.

4. VISITING THE SITE:

VISIT THE SITE AND BECOME ACQUAINTED WITH THE CONDITIONS TO BE ENCOUNTERED. EXTRA FUNDS WILL NOT BE ALLOWED DUE TO FAILURE TO EXAMINE SITE AND TO INCLUDE EXISTING CONDITIONS IN THE BID PRICE.

COORDINATION WITH UTILITIES:

THE CONTRACTORS SHALL VERIFY EXACT REQUIREMENTS FOR THE ELECTRIC AND TELEPHONE SERVICES WITH THE UTILITY COMPANY REPRESENTATIVES AND PROVIDE ALL WORK AND PAY ALL THE COSTS FOR COMPLETE AND OPERATING SYSTEMS, AS DIRECTED BY THE GOVERNING UTILITIES.

MATERIALS AND WORKMANSHIP:

ALL WORK SHALL BE PERFORMED BY SKILLED MECHANICS USING THE BEST STANDARD PRACTICES OF THE TRADE. ALL MATERIALS SHALL, UNLESS OTHERWISE NOTED, BE NEW AND IN PERFECT CONDITION. ALL MATERIAL FOR SIMILAR USE SHALL BE OF THE SAME TYPE, MATERIAL, AND MANUFACTURER FOR EASE OF FUTURE MAINTENANCE.

7. EXECUTION:

RACEWAY INSTALLATION: SEPARATE UNDERGROUND CONDUITS IN A COMMON TRENCH 4" MINIMUM HORIZONTALLY. 12" MINIMUM FROM OTHER UTILITY LINES. MINIMUM CONDUIT DEPTH SHALL BE 18". COORDINATE CONDUIT INSTALLATION WITH PIPES, STEEL, AND DUCTS INSTALLED BY OTHER TRADES. INSTALL CONDUIT RUNS EXPOSED IN VIEW PARALLEL OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS, WALLS, OR BUILDING LINES, SUPPORT CONDUIT WITH ONE MANHOLE MALLEABLE FACTORY-MADE PIPE STRAPS. FASTEN WITH SCREWS.

8. OPERATING AND ADJUSTING:

THE OWNER RESERVES THE RIGHT TO OPERATE ANY SYSTEMS OF EQUIPMENT PRIOR TO FINAL COMPLETION AND ACCEPTANCE OF THE WORK. SUCH PRELIMINARY OPERATION SHALL NOT BE CONSTRUED AS AN ACCEPTANCE OF WORK. EACH PIECE OF EQUIPMENT AND ALL OF THE SYSTEMS SHALL BE ADJUSTED TO INSURE PROPER FUNCTIONING AND SHALL BE LEFT IN FIRST CLASS OPERATION CONDITION.

CUTTING AND PATCHING:

DO ALL DRILLING AND CUTTING AS NECESSARY FOR INSTALLATION OF EQUIPMENT. DO CUTTING AND DRILLING OF STRUCTURE ONLY WITH PRIOR APPROVAL OF THE OWNER. WHERE CUTTING AND PATCHING OF WORK IS NECESSARY. USE SAME MATERIALS, WORKMANSHIP, AND FINISH TO NEATLY MATCH ALL SURROUNDING WORK.

10. CONDUIT:

PROVIDE ELECTRICAL METALLIC TUBING IN DR LOCATIONS AND INSTALLED IN STRICT ACCORDANCE WITH ELECTRICAL CODE AND FOR ALL SYSTEMS IN BUILDING. IN DAMP OR WET LOCATIONS. USE RIGID STEEL CONDUIT WITH APPROPRIATE FITTINGS. CONDUITS UNDERGROUND OR IN SLAB SHALL BE 40 PVC. INSTALL A GALVANIZED STEEL ELBOW WHERE THESE CONDUITS EMERGE ABOVE GRADE OR SLAB AND WRAP TO REDETERMINATION. ALL CONDUITS WITHOUT CONDUCTORS. TO BE INSTALLED WITH #12 TW PULL WIRE. VERIFY SIZES OF ALL UNDERGROUND CONDUITS NOT INDICATED.

11. CONDUCTORS:

TYPE THWN OR THHN COPPER WIRE INSULATED FOR 600V. SMALLEST WIRE SHALL BE #12 AWG UNLESS NOTED. USE APPROVED PULLING COMPOUND FOR ALL PULLS, USE SCOTCHLOCK CONNECTORS FOR ALL SPLICES IN #12 WIRE AND TAPED BOLTED PRESSURE CONNECTORS FOR LARGER WIRE. ALL WIRING SHALL BE COPPER UNLESS APPROVED BY ENGINEER.

12. GROUNDING:

ALL CONDUIT SHALL BE CONTINUOUS FOR GROUNDING. ALL GROUNDING CONDUCTORS SHALL BE INSULATED GREEN COPPER, SIZED AS SHOWN.

13. DEVICES:

SWITCHES; COMMERCIAL SPEC, GRADE, QUIET TYPE, COLOR PER ARCH., 20 AMPS.

CONVENIENCE OUTLETS; COMMERCIAL SPEC. GRADE DUPLEX GROUNDING TYPE, 20 AMPS AT 125 VOLTS, COLOR PER ARCH. OR GFI IN CODE REQUIRED LOCATIONS.

14. DEVICES PLATES:

REQUIRED FOR ALL WIRING DEVICES. OUTLETS AND SIMILAR APPLICATIONS, GANG COVERS FOR GANG BOXES, NYLON, COLOR PER ARCH.

15. LIGHTING FIXTURES:

PROVIDE ALL LIGHTING FIXTURES COMPLETE WITH ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION. INCLUDING LAMPS. SEE NOTES ON FIXTURE SCHEDULES SUBSTITUTIONS SHALL BE ACCOMPANIED WITH COPIES OF SPECIFIED ITEMS AND SUBSTITUTIONS FOR COMPARISON BY ENGINEER. ANY RELOCATION SHALL BE APPROVED BY ARCHITECT.

16. SERVICE EQUIPMENT:

PANEL BOARDS; CIRCUIT BREAKERS SHALL BE 10,000 AIC MINIMUM. ALL LOCKS KEYED ALIKE AND TYPEWRITTEN DIRECTORIES. ALL PANELS SHALL HAVE A MINIMUM OF 36" WORKING CLEARANCE IN FRONT OF PANEL.

17. CLEAN-UP:

UPON COMPLETION OF THE WORK, PRIOR TO FINAL INSPECTION, THOROUGHLY CLEAN ALL EXPOSED FIXTURES, TRIM AND EQUIPMENT, LEAVE THE ENTIRE INSTALLATION IN NEAT, CLEAN AND USABLE CONDITION. REMOVE ALL CEMENT, PAINT, GREASE, OIL, AND OTHER FOREIGN SUBSTANCES.

18. TEST:

TEST ALL WIRE FOR SHORTS, OPENS, GROUNDS, OR OTHER DEFECTS. CORRECT ANY DEFECTIVE WORK. DEMONSTRATE CONTINUOUS SATISFACTORY OPERATION OF ALL ELECTRICAL EQUIPMENT.

19. GUARANTEE

PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, DELIVER TO THE OWNER A WRITTEN ONE YEAR GUARANTEE ON ALL THE WORKMANSHIP, MATERIALS, AND EQUIPMENT AND AGREE TO REPAIR OR REPLACE ALL SUCH DEFECTIVE ITEMS PROMPTLY THAT MAY OCCUR DURING THIS PERIOD, INCLUDING REPAIR OR REPLACEMENT OF THE PREMISES THAT MAY BE DAMAGED DUE TO FAULTY WORK AND MATERIALS FURNISHED UNDER THIS SECTION.

DHS CLEARFIELD RESTROOM REMODELS

ENERGY CODE COMPLIANCE CALCULATIONS 2015 INTERNATIONAL ENERGY CONSERVATION CODE TABLE C405.4.2(2) INTERIOR LIGHTING POWER ALLOCATION

AREA SQUARE FT PROPOSED WATTS LPD WATTS ALLOWED

AG WING:

 $242 \text{ f}^2 38.6 \text{ x} 5 = 193$ $.98 \text{ w/f}^2$.98 x 242 = 237

EACH INDIVIDUAL REST ROOM IN THE AG WING MEETS CODE REQUIREMENTS

WEST WING:

 $38.6 \times 5 = 193$ $.98 \text{ W/f}^2$ $.98 \times 224 = 219$

EACH INDIVIDUAL REST ROOM IN THE WEST WING MEETS THE CODE REQUIREMENT PLUMBING CHASE:

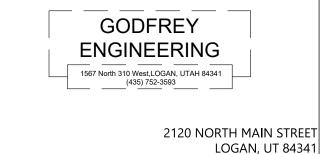
 $3\ 16.36 = 49.08$ $.65\ \text{w/f}^2.65\ \text{X}\ 115\ 74$

THE PLUMBING CHASE AREA MEETS THE CODE REQUIREMENTS

ALL AREAS MEETS THE IECC CODE REQUIREMENTS

SHORT CIRCUIT CURRENT CALCULATIONS

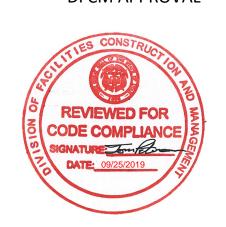
THIS PROJECT WILL NOT EFFECT THE SHORT CIRCUIT CURRENT AVAILABLE AT THE PANELS INVOLVED IN THE REMODEL OF THE RESTROOMS.

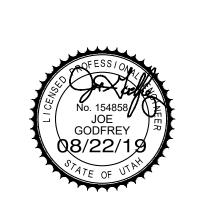


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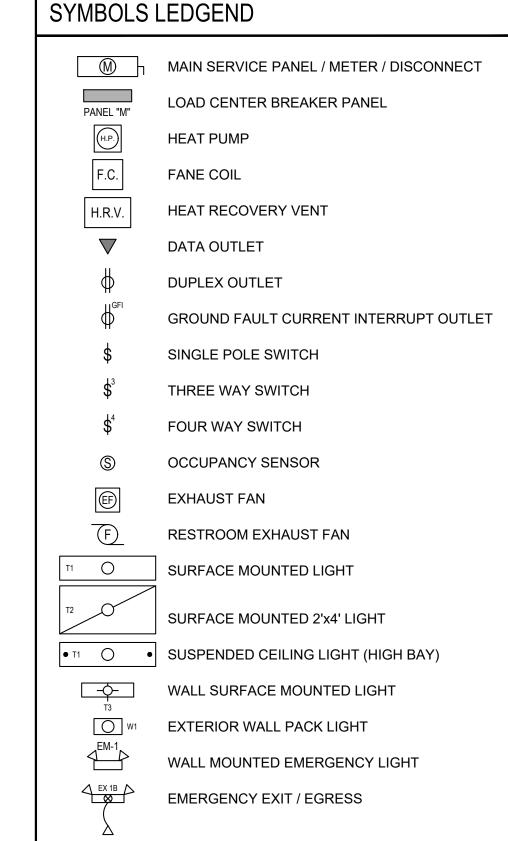


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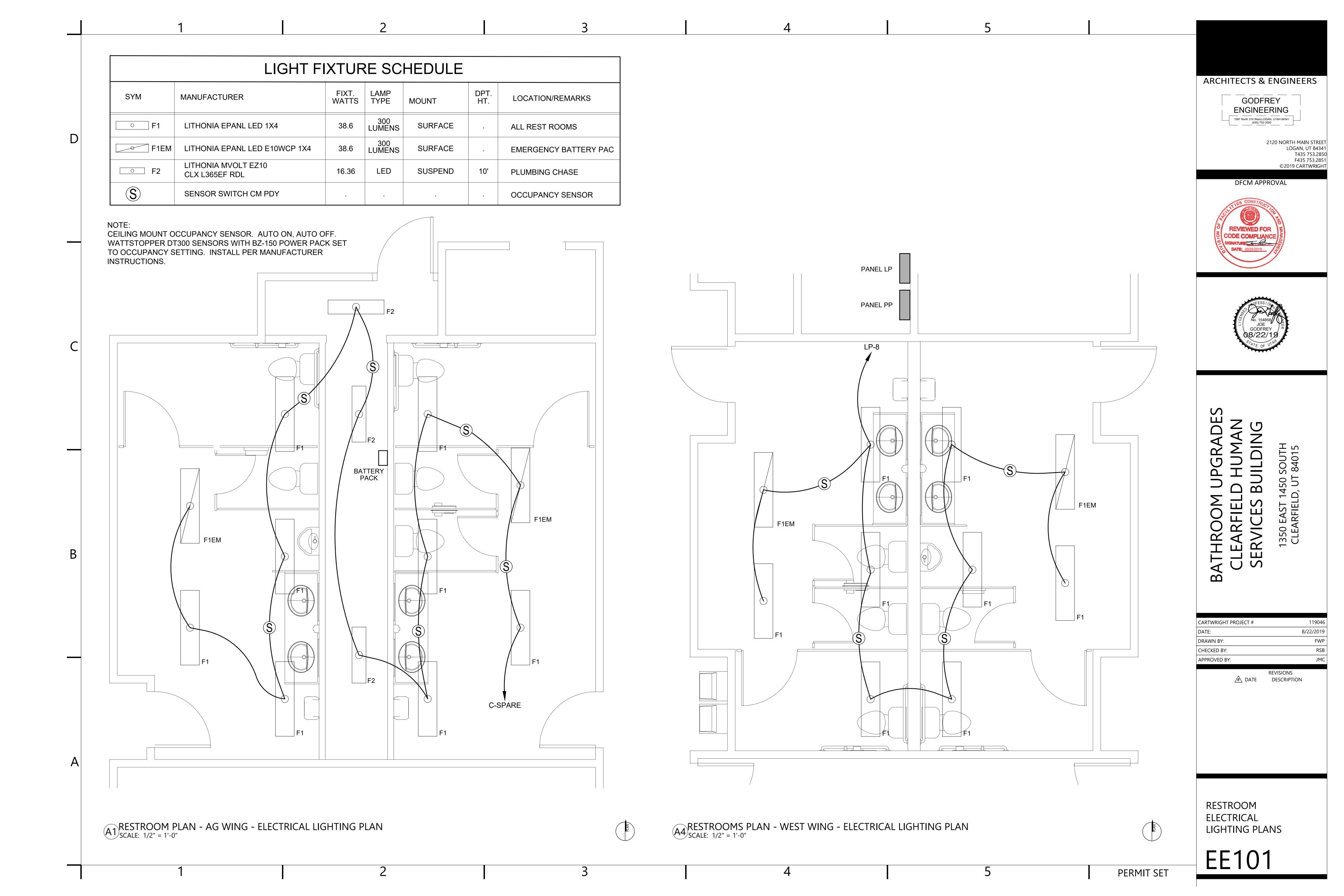
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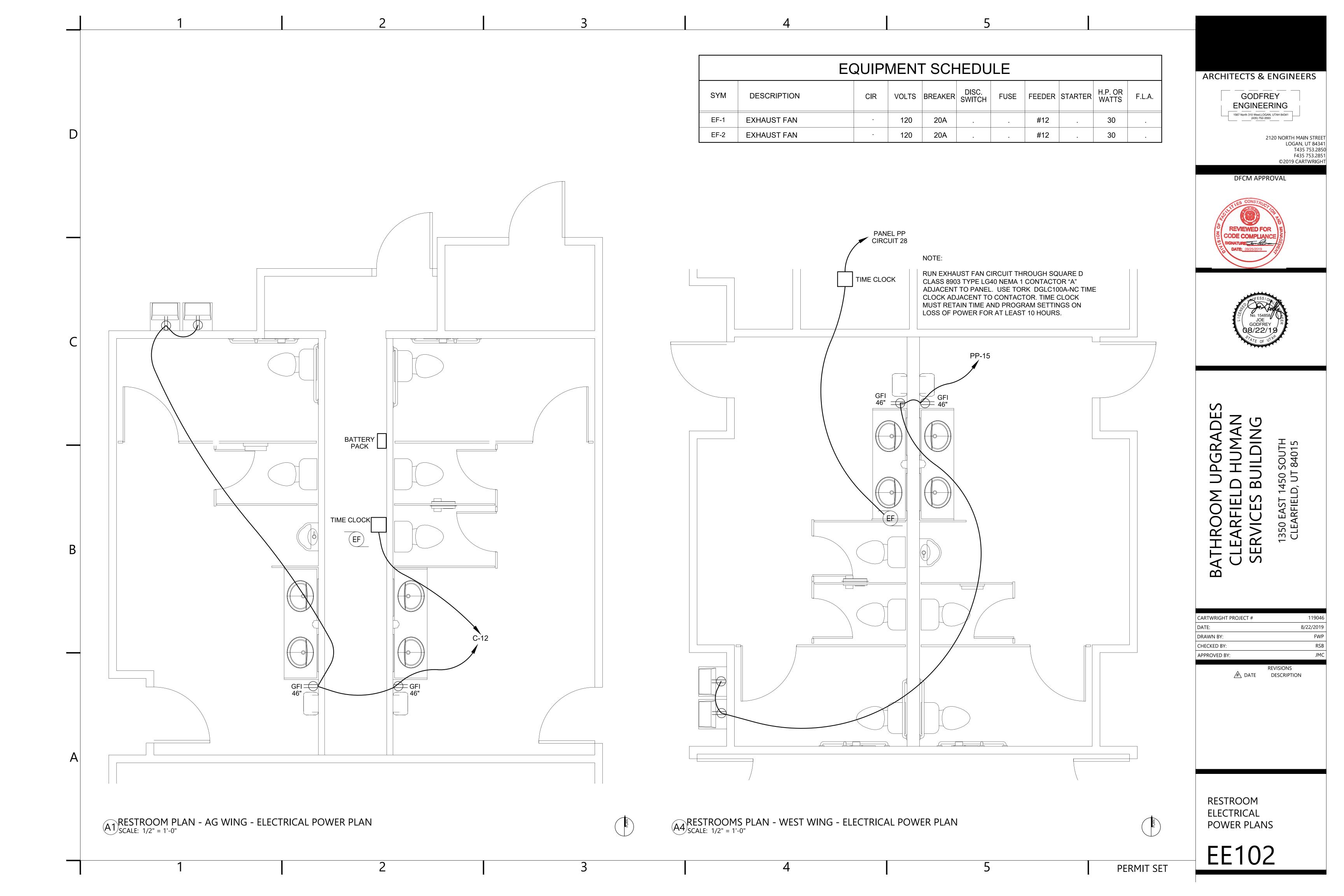
CARTWRIGHT PROJECT # 119046 8/22/2019 DRAWN BY: FWP CHECKED BY: RSB APPROVED BY: REVISIONS /#\ DATE DESCRIPTION

RESTROOM **ELECTRICAL SPECIFICATIONS**



PERMIT SET





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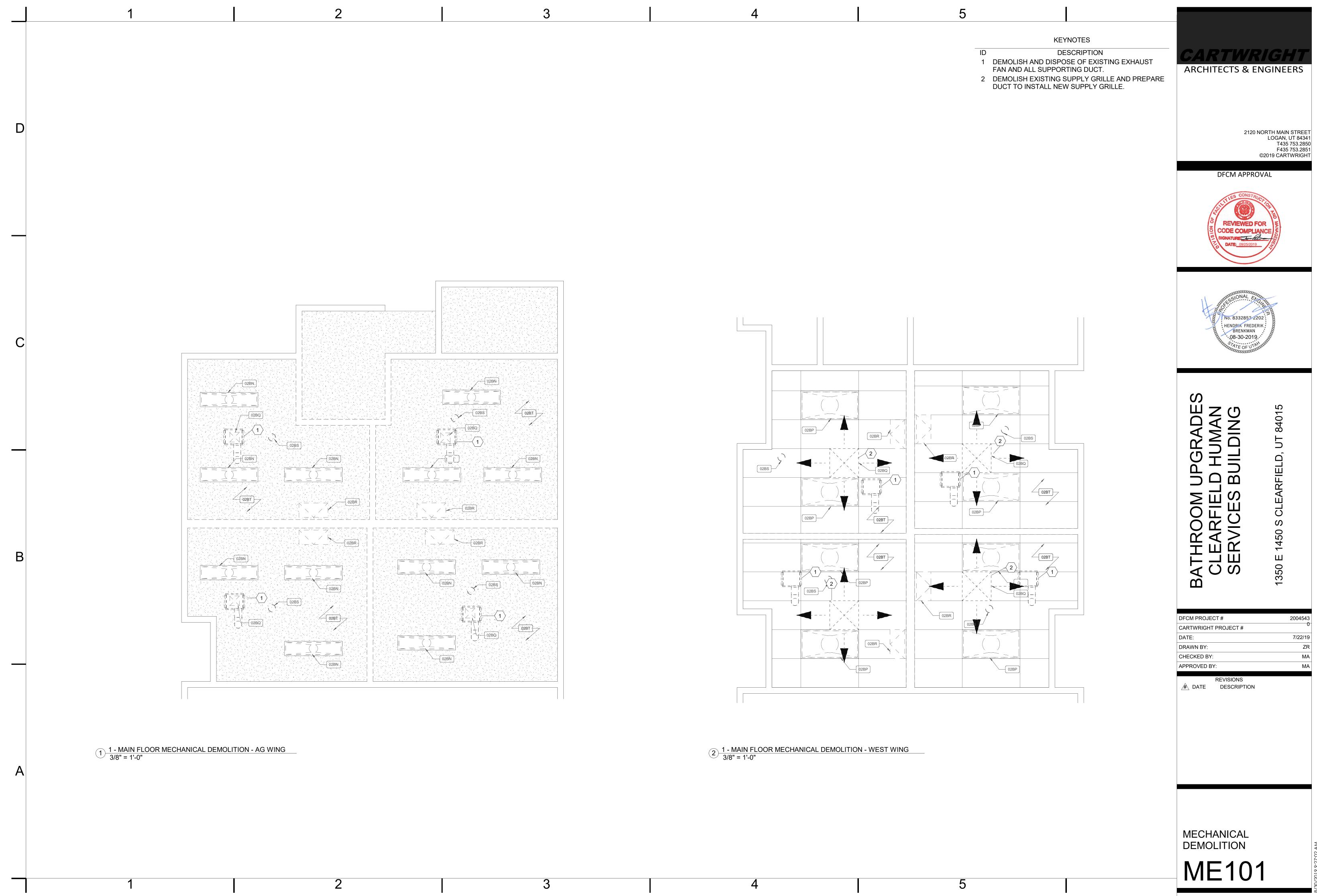
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8401

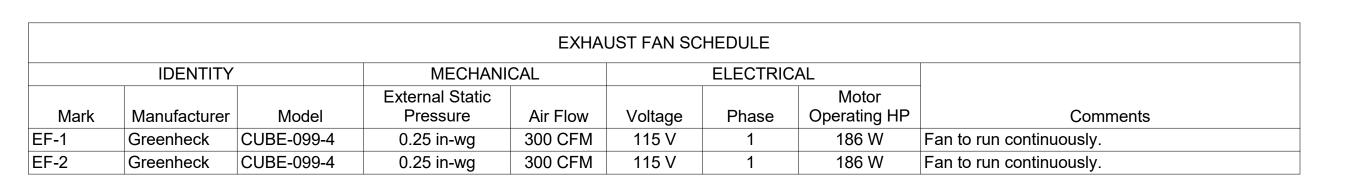




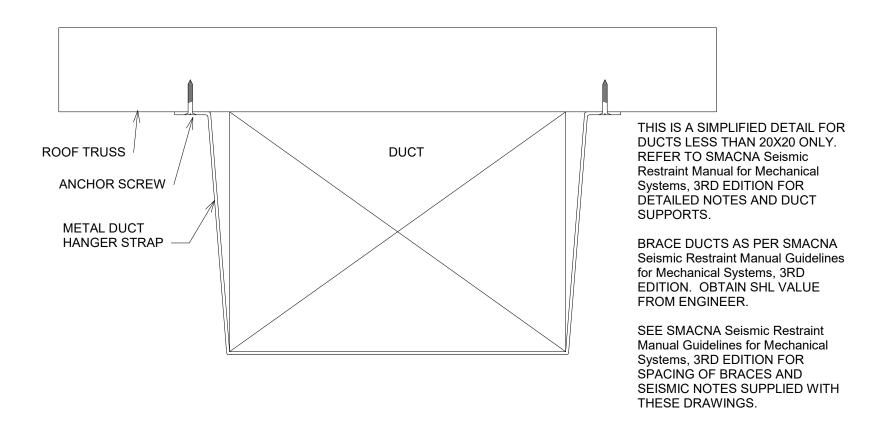
DFCM PROJECT #	2004543
CARTWRIGHT PROJECT #	0
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CHECKED BY:	MA
APPROVED BY:	MA



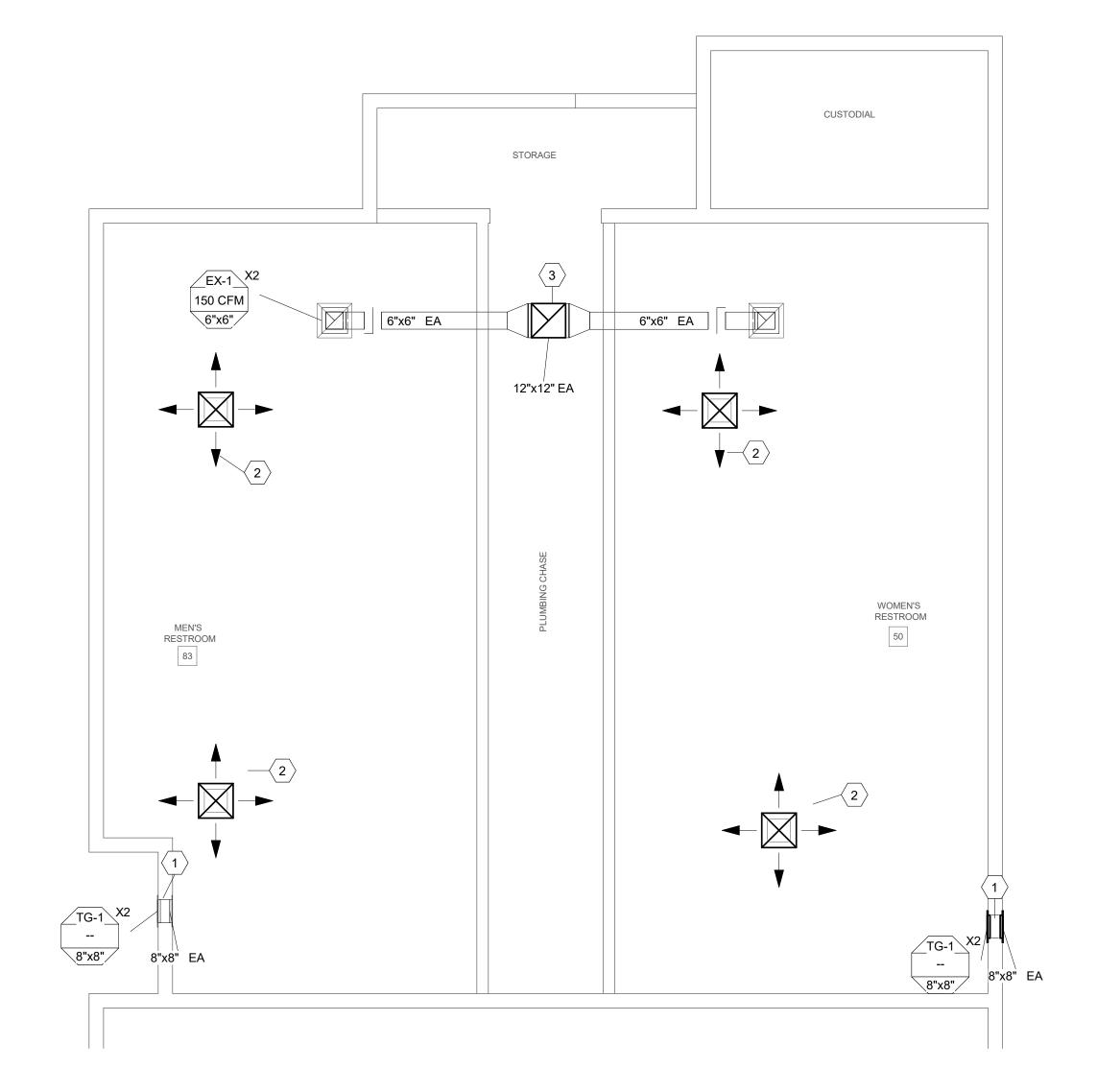
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AIR TERMINAL SCHEDULE						
TAG	MANUFACTURER	MODEL	SIZE	QTY	Description	
EX-1	Price Industries	ECG	6"x6"	4	Drywall Mounted Exhaust Grille.	
TG-1	Price Industries	ECG	8"x8"	8	Drywall Mounted Exhaust Grille.	



2 Duct - Tight to Structure Rectangular Hanger - Strap N.T.S.



3 1 - MAIN FLOOR MECHANICAL - WEST WING 3/8" = 1'-0"

KEYNOTES

- DESCRIPTION 1 INSTALL TRANSFER GRILLE AT HIGH LEVEL ABOVE BATHROOM DOOR. NOISE INSULATE TRANSFER DUCT.
- 2 PROVIDE AND INSTALL NEW SUPPLY DIFFUSER TO MATCH SIZE AND STYLE OF EXISTING.
- 3 EXHAUST RISE TO ROOFTOP MOUNTED FAN.



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8401

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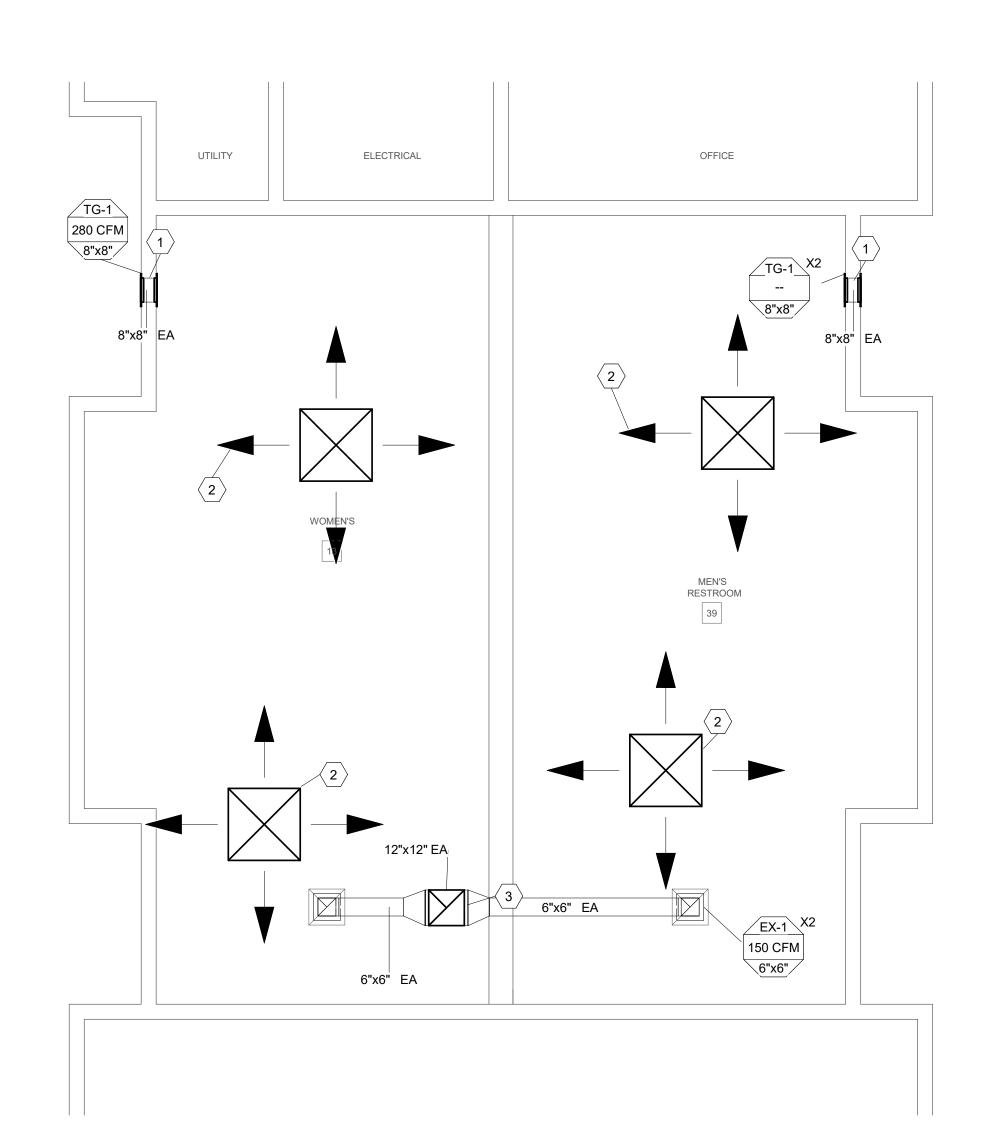
DATE DESCRIPTION

MAIN FLOOR MECHANICAL

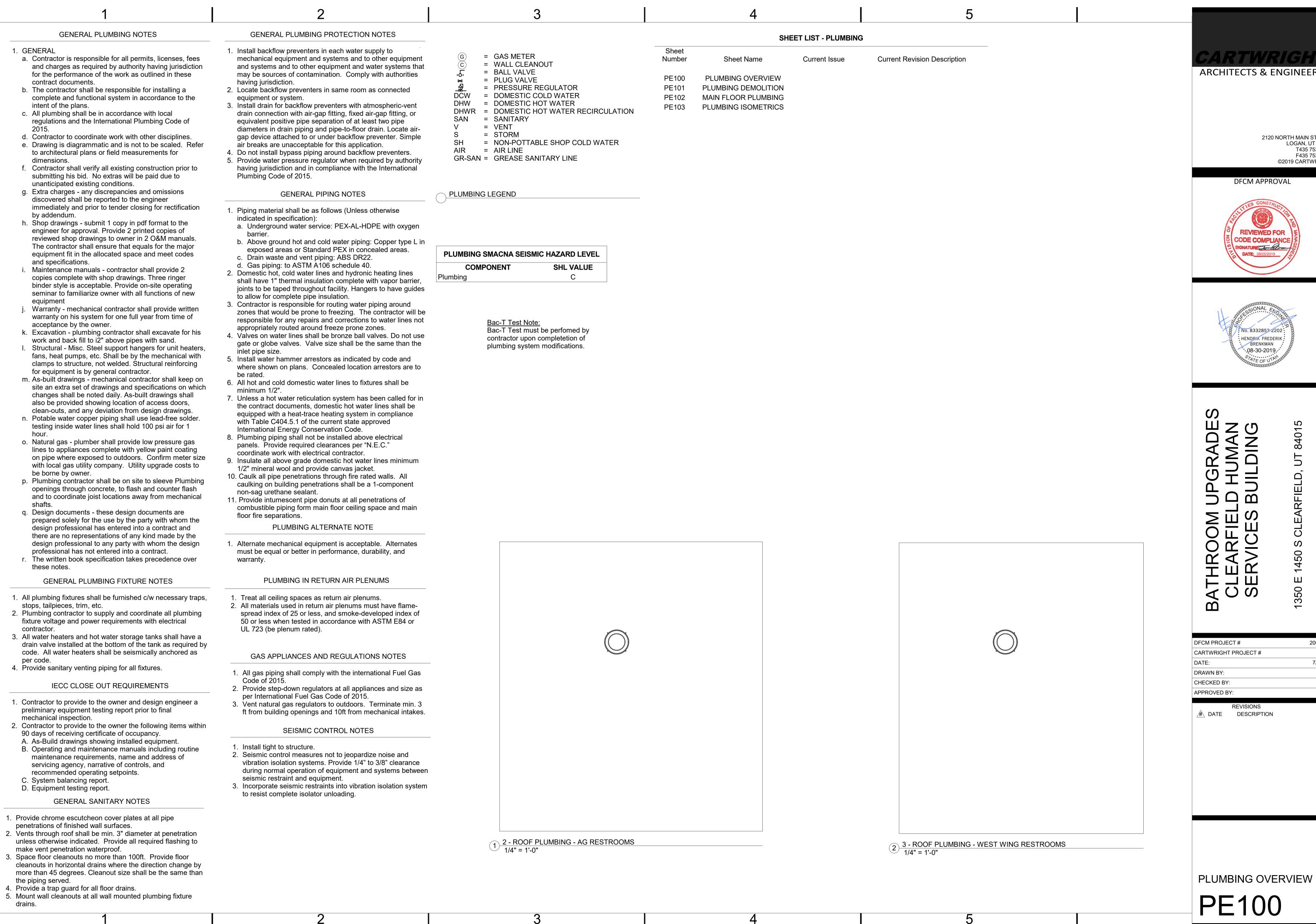
ME102

	HIGH EFFIC	CENCY TAKE-OFF	
SEE DUCT SUPPORT DETAIL Brace ducts per SMACNA SEISMIC RESTRAINT MANUAL, 3RD EDITION. Space transverse supports a maximum of 30 ft. o.c., and longitudinal supports a maximum of 60 ft. o.c.	DO NOT USE POP RIVETS BALANCING DAMPER WITH LOCKING QUADRANT	DIFFUSER RIGID DUCT WITH FOIL FACED INSULATION	FRAMING SCREW DIFFUSER TO CEILING FRAMING. DRYWALL CEILING

Duct - Square Diffuser - Surface Mount Installation Detail N.T.S.



1 - MAIN FLOOR MECHANICAL - AG WING 3/8" = 1'-0"



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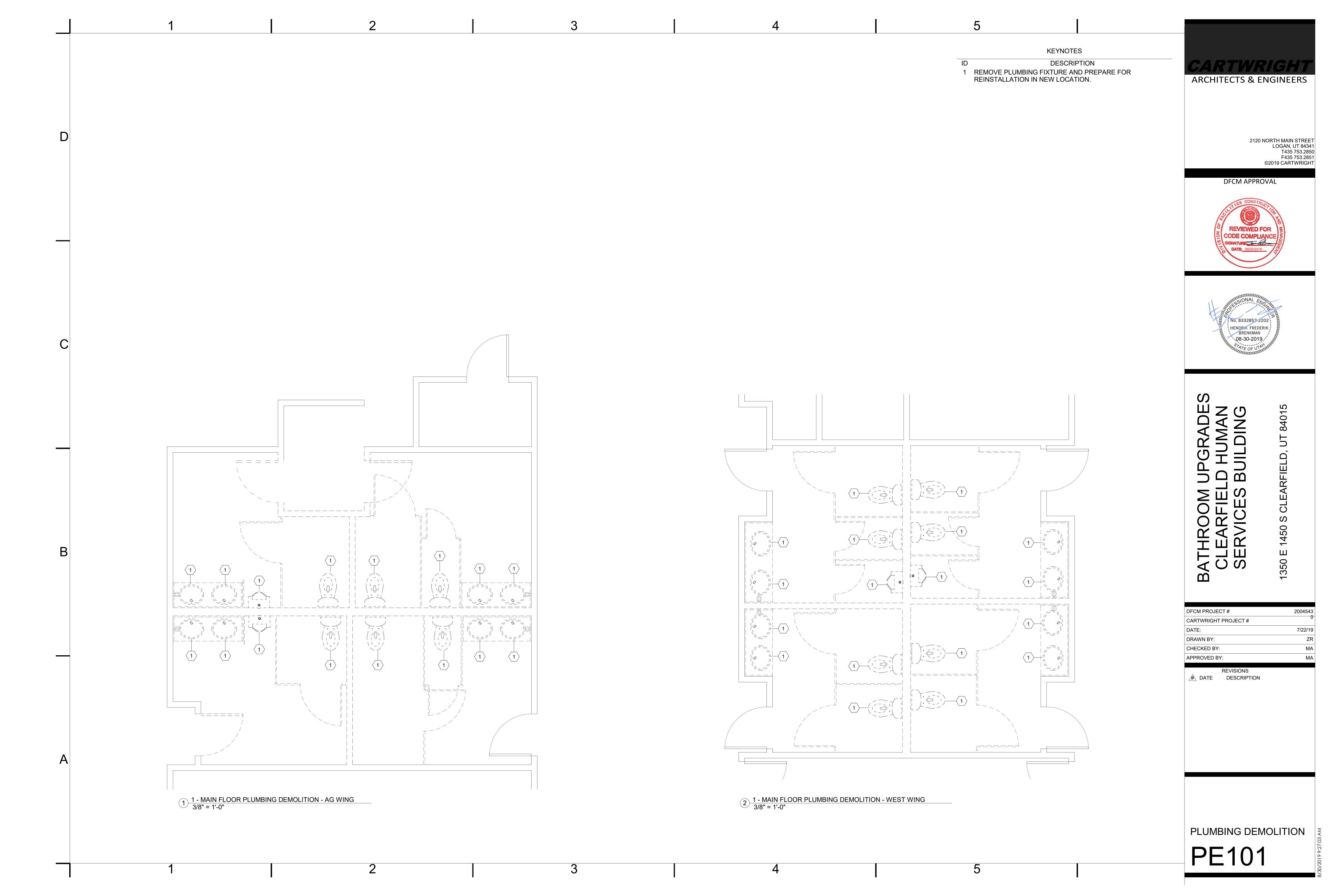


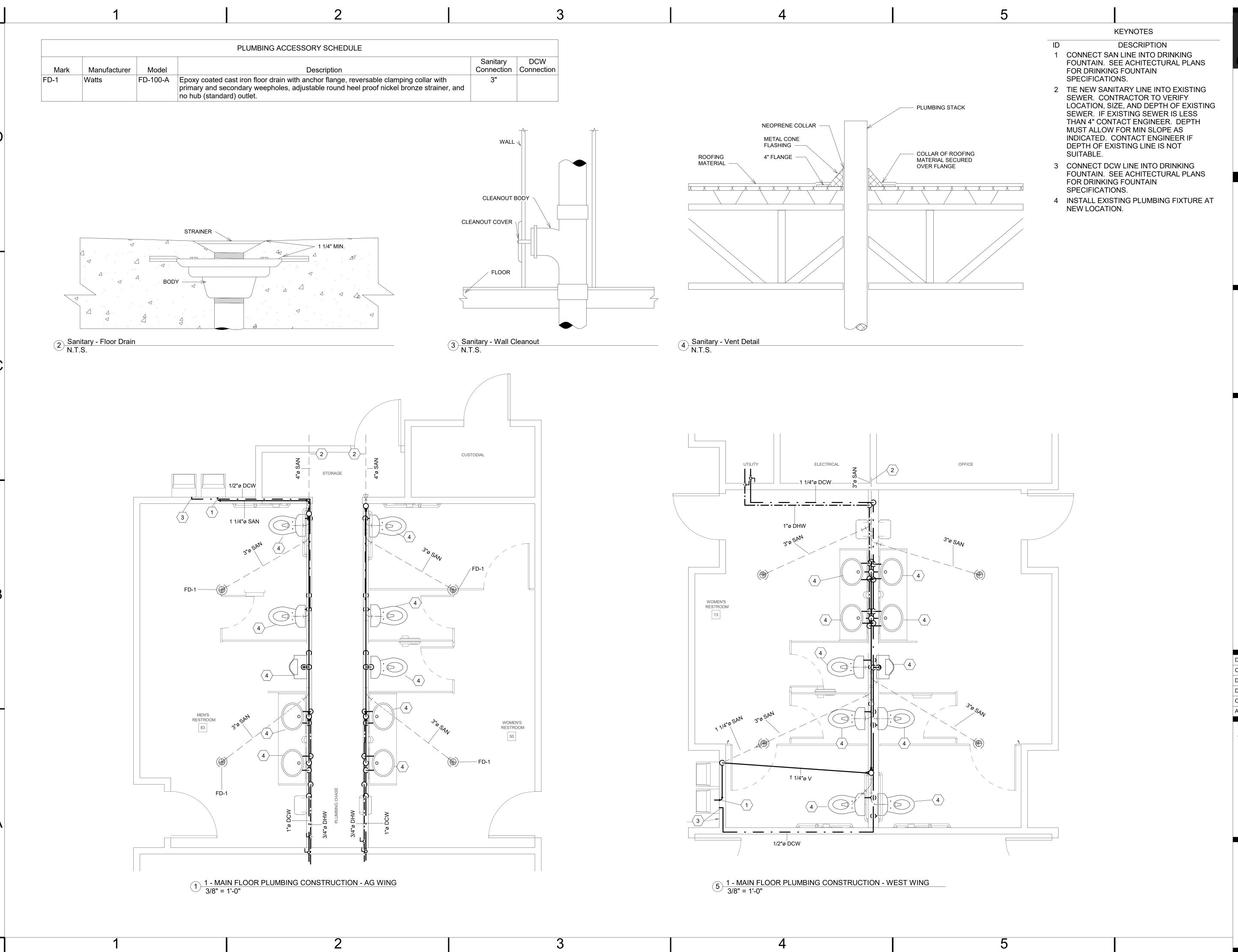
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HECKED BY:	MA
PPROVED BY:	MA

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84015

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BATHROOM UPGRADES CLEARFIELD HUMAN SERVICES BUILDING

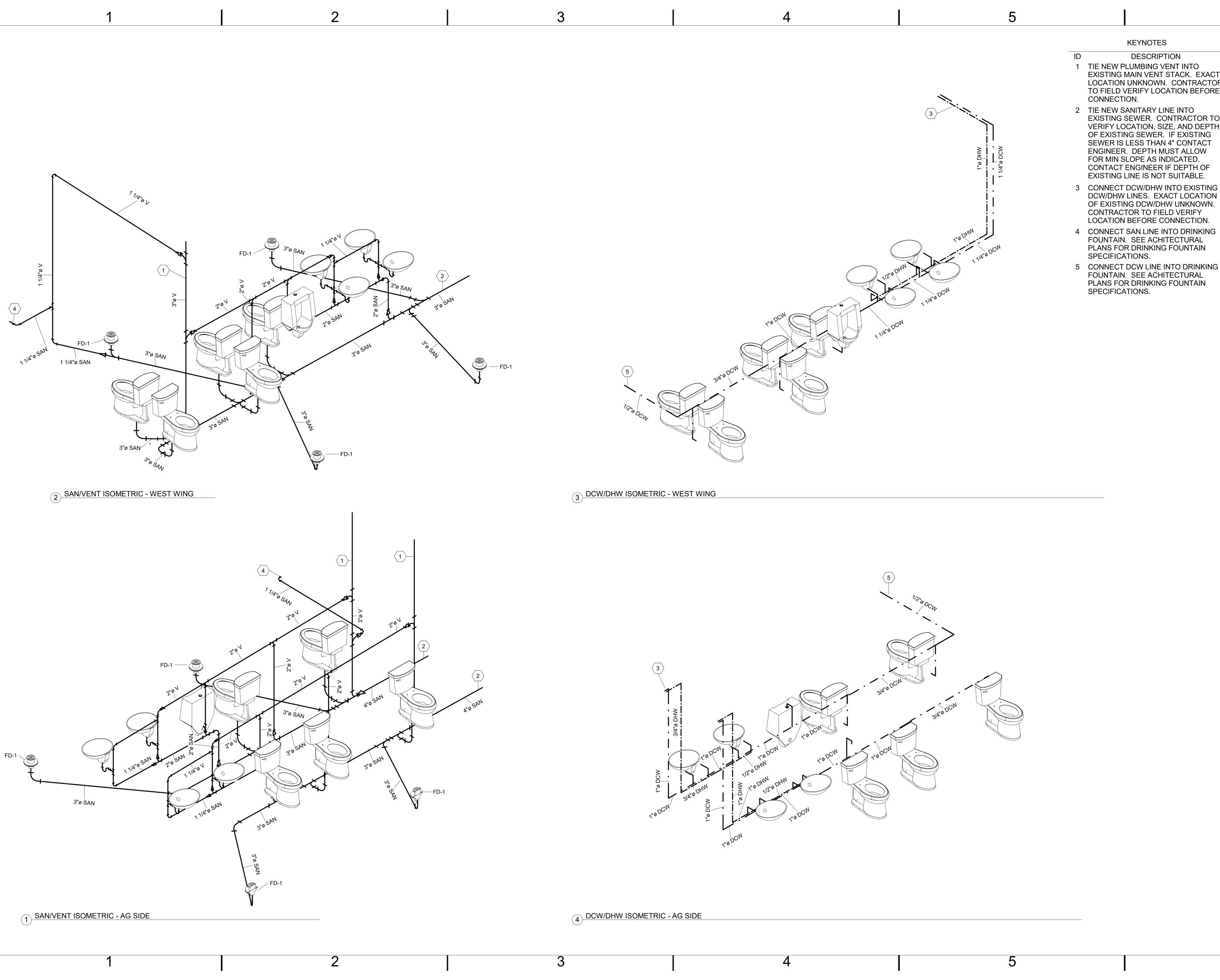
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DATE:	7/22/19
DRAWN BY:	ZR
CHECKED BY:	MA
APPROVED BY:	MA

REVISIONS

A DATE DESCRIPTION

MAIN FLOOR PLUMBING

PE102



- EXISTING MAIN VENT STACK. EXACT LOCATION UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION BEFORE
- EXISTING SEWER. CONTRACTOR TO VERIFY LOCATION, SIZE, AND DEPTH OF EXISTING SEWER. IF EXISTING SEWER IS LESS THAN 4" CONTACT
- DCW/DHW LINES. EXACT LOCATION OF EXISTING DCW/DHW UNKNOWN.



ARCHITECTS & ENGINEERS

2120 NORTH MAIN STREET LOGAN, UT 84341 T435 753.2850 F435 753.2851 ©2019 CARTWRIGHT

8401

DFCM APPROVAL





DFCM PROJECT#	2004543
CARTWRIGHT PROJECT #	U
DATE:	7/22/19
DRAWN BY:	ZR
CHECKED BY:	MA
APPROVED BY:	MA

REVISIONS

A DATE DESCRIPTION

PLUMBING ISOMETRICS

PE103