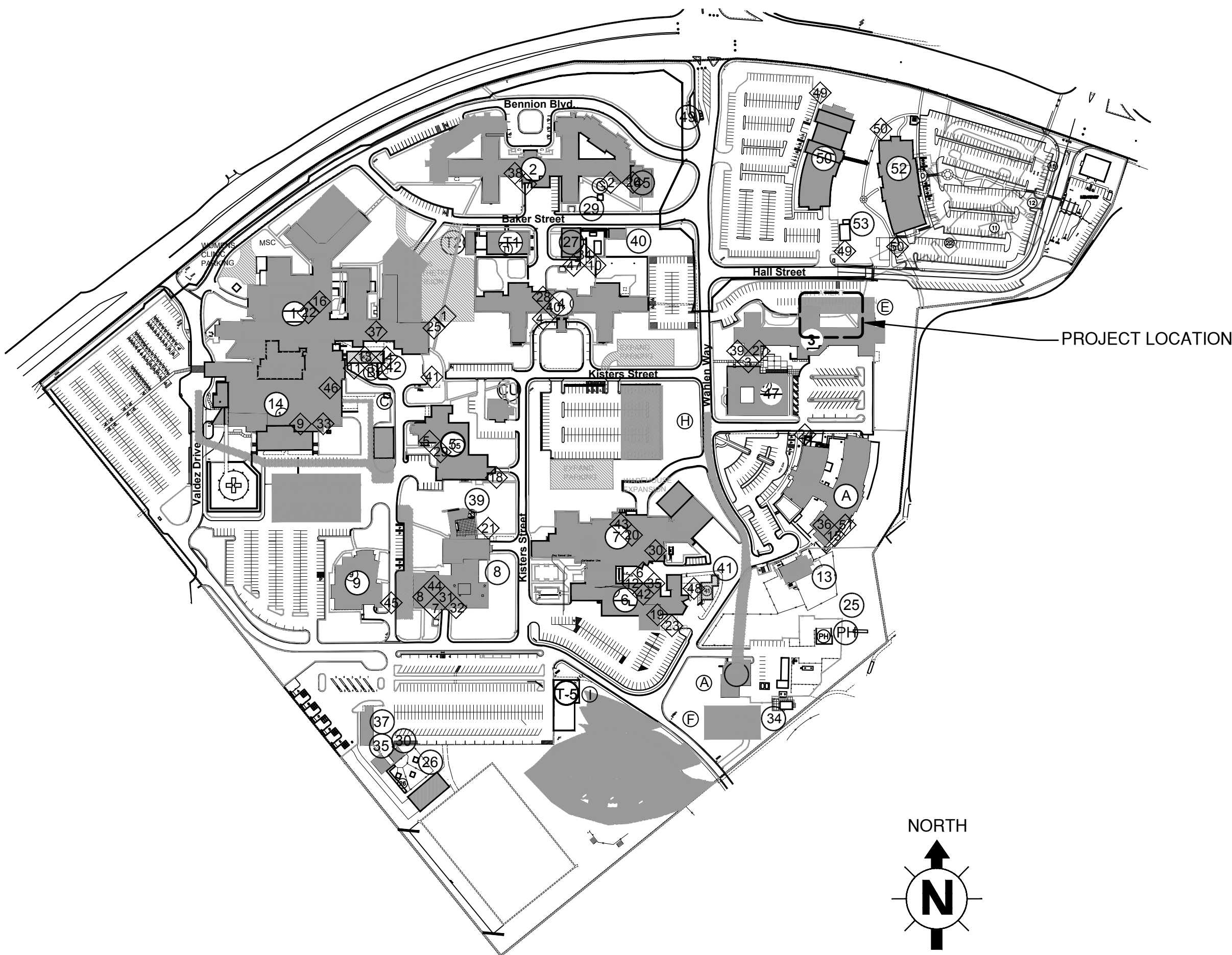


VAMC BUILDING 3

BUILDING 3 COURTYARD RENOVATION

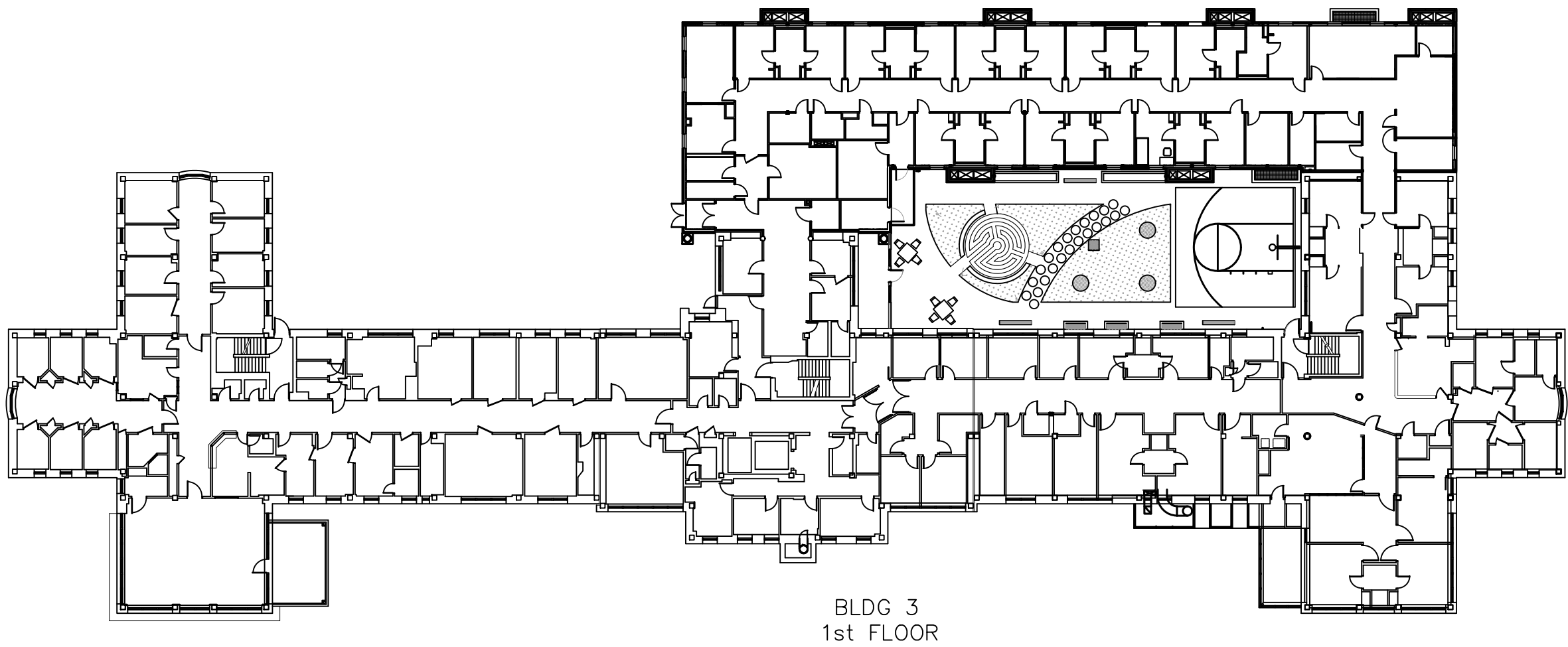
500 FOOTHILL DRIVE
SALT LAKE CITY, UTAH 84148



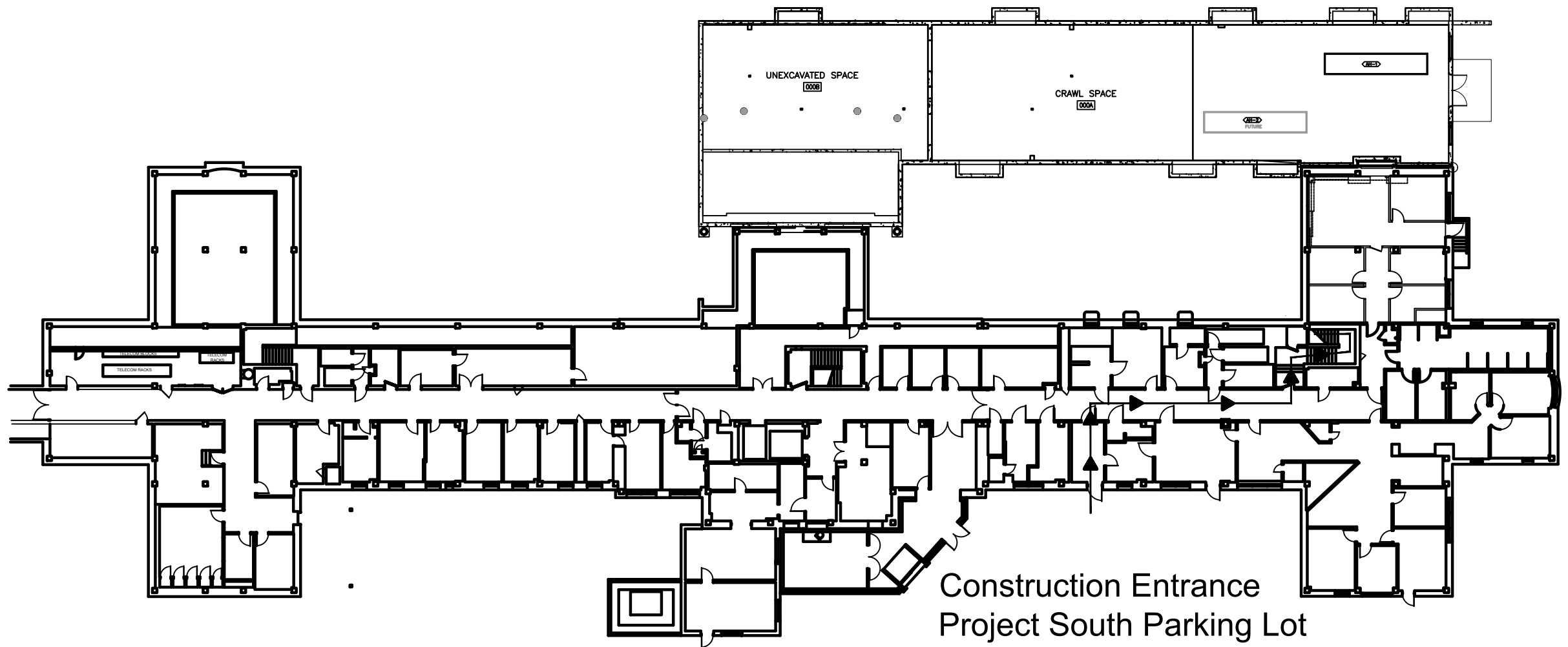
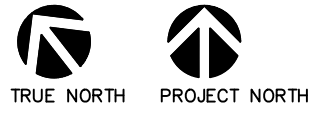
SITE MAP

GENERAL NOTES

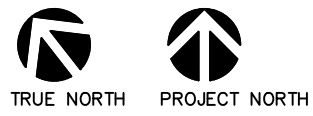
1. THE CONTRACTOR IS RESPONSIBLE FOR THE PAYMENT FOR AND ACQUISITION OF ALL REQUIRED PERMITS AND FEES ASSOCIATED WITH THE PROJECT.
2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO THOROUGHLY REVIEW AND BECOME FAMILIAR WITH ALL PERTINENT DOCUMENTS AVAILABLE REGARDING THE CONSTRUCTION OF THIS PROJECT. ANY AMBIGUITY OR DISCREPANCY DISCOVERED IN THE DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT WHO SHALL MAKE CLARIFICATIONS AND INTERPRETATIONS IN A TIMELY MANNER.
3. PRIOR TO BEGINNING ANY NEW WORK OR INSTALLATION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT PREVIOUSLY INSTALLED WORK AND/OR SUBSTRATE AND VERIFY THAT ALL SUCH WORK IS SATISFACTORY AND COMPLETE TO THE REQUIRED LEVEL OF ACCEPTANCE TO ALLOW FOR THE START OF SUBSEQUENT WORK. THE COMMENCEMENT OF ANY WORK SHALL INDICATE THAT ALL PREVIOUSLY INSTALLED WORK AND/OR SUBSTRATE WAS FOUND TO BE ACCEPTABLE AND INSTALLED ACCORDING TO INDUSTRY STANDARDS. ANY WORK FOUND TO BE IN UNACCEPTABLE CONDITION SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO ESTIMATING THE COST OF THE SCOPE OF WORK AND PRIOR TO ORDERING OR FABRICATING MATERIALS OR BEGINNING ANY CONSTRUCTION RELATED ACTIVITIES FOR THE PURPOSE OF BECOMING COMPLETELY FAMILIAR WITH THE SITE AND ALL EXISTING CONDITIONS WHICH MIGHT IMPACT THE COST OF, OR PERFORMANCE OF THE SCOPE OF WORK.
5. CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND THE REQUIREMENTS OF ALL REGULATORY AGENCIES HAVING JURISDICTION OVER THE PROJECT. UNDER NO CONDITION DOES THE ARCHITECT HAVE RESPONSIBILITY FOR THE MEANS OR METHODS USED BY THE CONTRACTOR IN THE PERFORMANCE OF THE WORK OR FOR CONDITIONS OF SAFETY AT THE JOB SITE.
6. DIMENSIONS OF AND FROM EXISTING CONDITIONS HAVE BEEN TAKEN FROM EXISTING DRAWINGS AND/OR FIELD MEASUREMENTS. ALL EXISTING DIMENSIONS ARE TO FINISH FACE UNLESS NOTED OTHERWISE ON DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PERTAINING TO THE EXISTING CONDITIONS, INCLUDING ALL WORK ALREADY IN PLACE, PRIOR TO ORDERING OR FABRICATING MATERIALS, AND PRIOR TO START OF CONSTRUCTION.
7. IF, DURING THE COURSE OF ANY REQUIRED DEMOLITION WORK PERFORMED BY THE CONTRACTOR, OWNERS, OR OTHERS UNDER THE TERMS OF THE CONTRACT OR OTHER AGREEMENT, HAZARDOUS WASTE IS ENCOUNTERED, SAME SHALL BE REMOVED AND DISPOSED OF AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. THE ARCHITECT AND GENERAL CONTRACTOR ARE NOT AWARE OF THE EXISTENCE OF HAZARDOUS WASTE AND SHALL NOT BE HELD RESPONSIBLE FOR THE EXISTENCE OR REMOVAL OF HAZARDOUS WASTE.
8. THE CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND DEBRIS.
9. DO NOT SCALE THE DRAWINGS, IF QUESTIONS ARISE AS TO DIMENSIONAL REQUIREMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.
10. ITEMS OF EQUIPMENT OR CONSTRUCTION NOTED N.I.C. ARE NOT TO BE PROVIDED UNDER THE CONTRACT, AND UNLESS NOTED OTHERWISE SHALL BE FURNISHED AND INSTALLED BY OWNER'S SEPARATE CONTRACT.
11. ALL MATERIALS, FIXTURES AND EQUIPMENT PROVIDED UNDER THIS CONTRACT ARE TO BE PROVIDED IN NEW CONDITION WITH FULL MANUFACTURER'S WARRANTY, UNLESS NOTED OTHERWISE, AND ARE TO BE STORED AND INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS. DAMAGED ITEMS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.



1 REMODEL FLOORPLAN
G-100 SCALE: 1/32" = 1'-0"



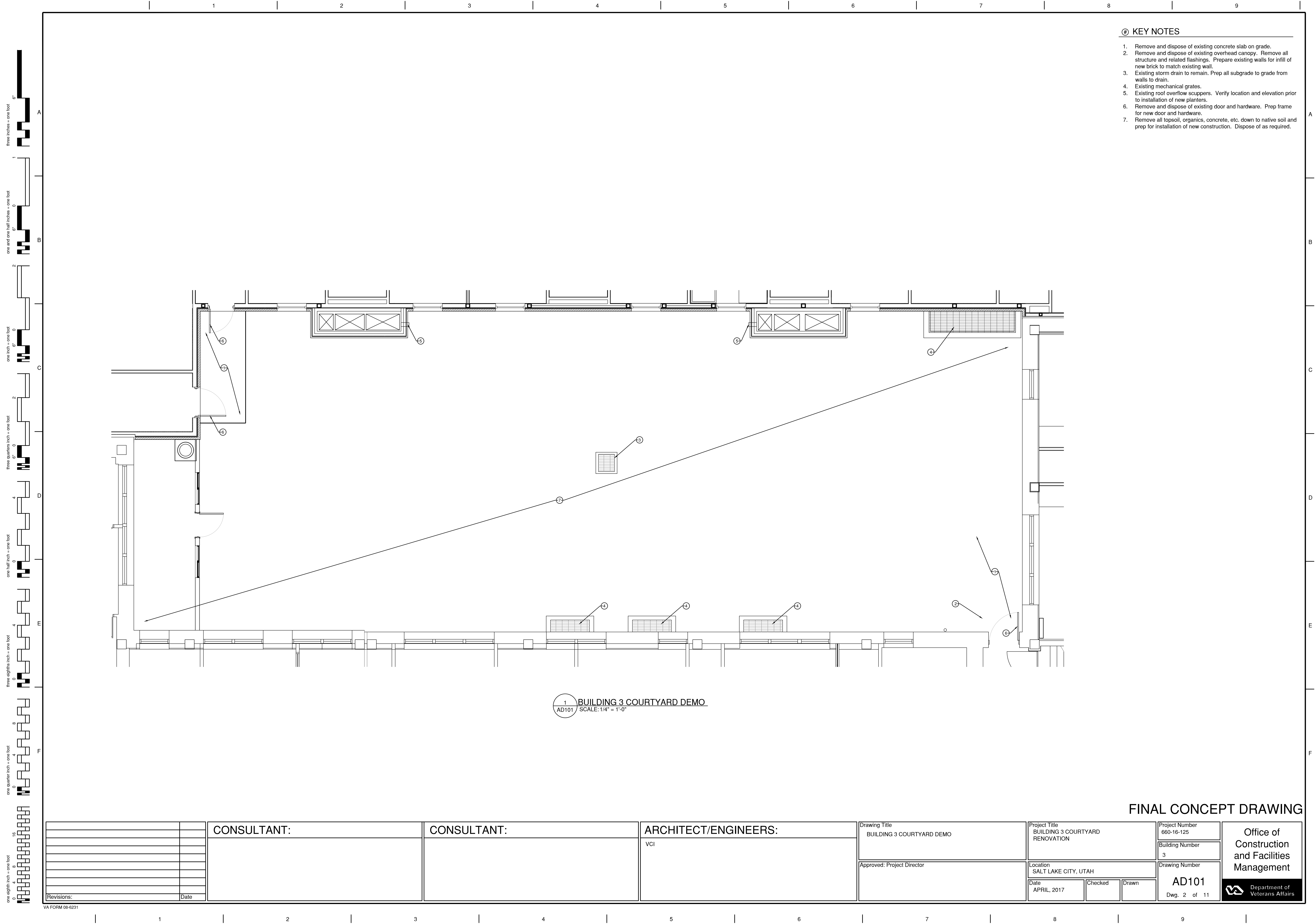
2 CONSTRUCTION ENTRANCE
G-100 SCALE: 1/32" = 1'-0"

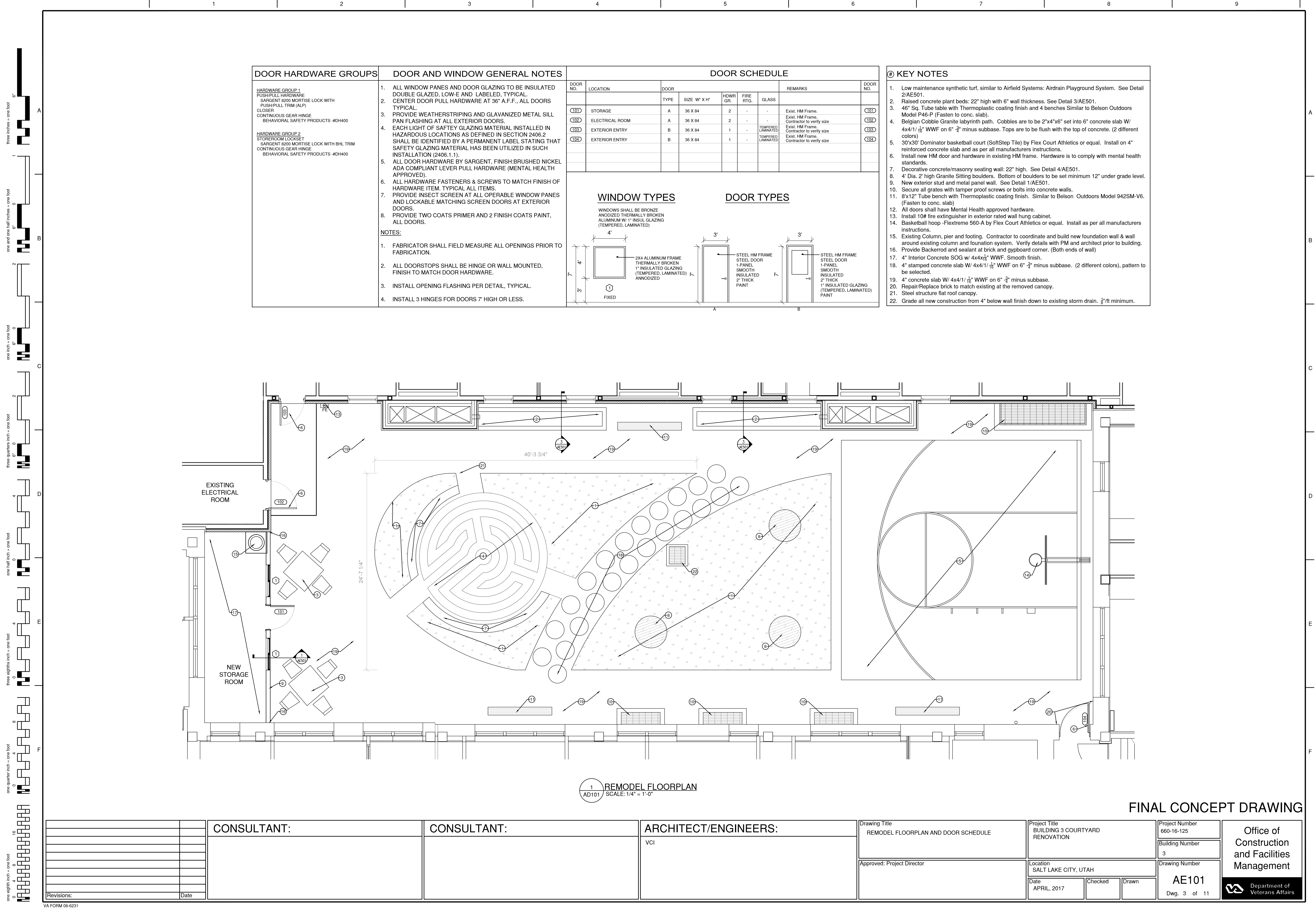


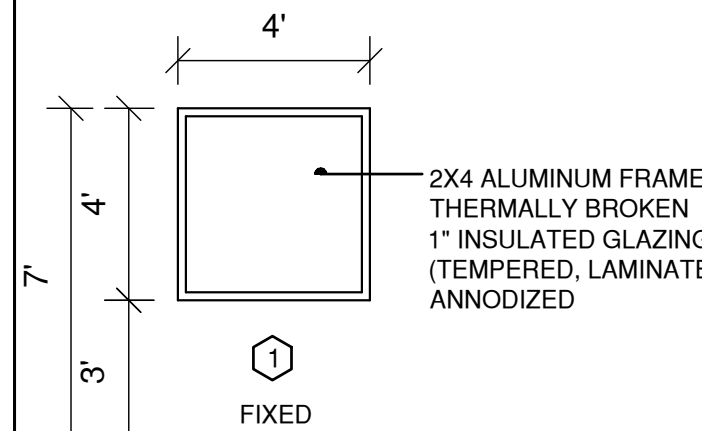
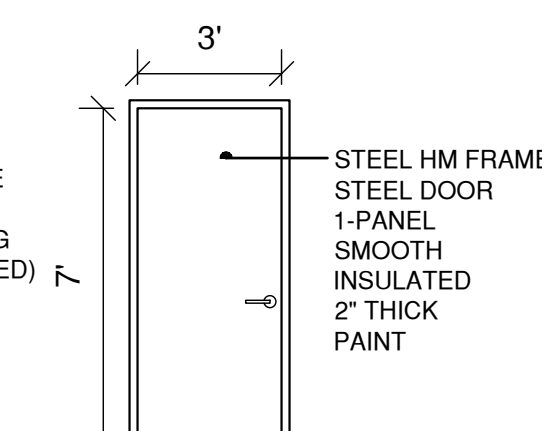
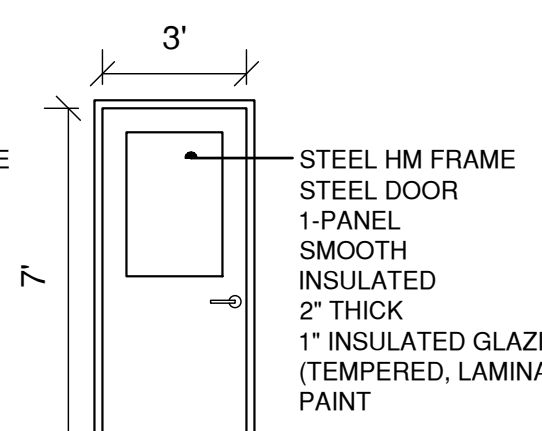
SHEET INDEX	
SHEET NUMBER	DRAWING TITLE
G-100	INDEX SHEET
AD101	BUILDING 3 COURTYARD DEMO
AE101	REMODEL FLOORPLAN AND DOOR SCHEDULE
AE102	SUN SHADE LAYOUT
AE501	SECTIONS AND DETAILS
EP101	ELECTRICAL AND PLUMBING PLAN
S-001	STRUCTURAL NOTES
S-101	BUILDING 3 COURTYARD PLANS
S-501	CAST IN PLACE CONC DETAILS
S-502	EXTERIOR CF WALL DETAILS
S-503	SUN SHADE DETAILS

FINAL CONCEPT DRAWING

		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS:	Drawing Title INDEX SHEET	Project Title BUILDING 3 COURTYARD RENOVATION	Project Number 660-16-125	Office of Construction and Facilities Management	
					Approved: Project Director	Location SALT LAKE CITY, UTAH	Building Number 3		
Revisions:		Date				Date APRIL, 2017	Checked	Drawn WBR	Dwg. 1 of 11






DOOR HARDWARE GROUPS		DOOR AND WINDOW GENERAL NOTES		DOOR SCHEDULE								# KEY NOTES																																																																																											
<p>HARDWARE GROUP 1 PUSH/PULL HARDWARE SARGENT 6200 MORTISE LOCK WITH PUSH/PULL TRIM (ALP) CLOSER CONTINUOUS GEAR HINGE BEHAVIORAL SAFETY PRODUCTS -#DH400</p> <p>HARDWARE GROUP 2 STOREROOM LOCKSET SARGENT 6200 MORTISE LOCK WITH BHL TRIM CONTINUOUS GEAR HINGE BEHAVIORAL SAFETY PRODUCTS -#DH400</p>		<p>1. ALL WINDOW PANES AND DOOR GLAZING TO BE INSULATED DOUBLE GLAZED, LOW-E AND LABELED, TYPICAL.</p> <p>2. CENTER DOOR PULL HARDWARE AT 36" A.F.F., ALL DOORS TYPICAL.</p> <p>3. PROVIDE WEATHERSTRIPING AND GLAVANIZED METAL SILL PAN FLASHING AT ALL EXTERIOR DOORS.</p> <p>4. EACH LIGHT OF SATFEY GLAZING MATERIAL INSTALLED IN HAZARDOUS LOCATIONS AS DEFINED IN SECTION 2406.2 SHALL BE IDENTIFIED BY A PERMANENT LABEL STATING THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED IN SUCH INSTALLATION (2406.1.1).</p> <p>5. ALL DOOR HARDWARE BY SARGENT, FINISH:BRUSHED NICKEL ADA COMPLIANT LEVER PULL HARDWARE (MENTAL HEALTH APPROVED).</p> <p>6. ALL HARDWARE FASTENERS & SCREWS TO MATCH FINISH OF HARDWARE ITEM. TYPICAL ALL ITEMS.</p> <p>7. PROVIDE INSECT SCREEN AT ALL OPERABLE WINDOW PANES AND LOCKABLE MATCHING SCREEN DOORS AT EXTERIOR DOORS.</p> <p>8. PROVIDE TWO COATS PRIMER AND 2 FINISH COATS PAINT, ALL DOORS.</p> <p>NOTES:</p> <p>1. FABRICATOR SHALL FIELD MEASURE ALL OPENINGS PRIOR TO FABRICATION.</p> <p>2. ALL DOORSTOPS SHALL BE HINGE OR WALL MOUNTED, FINISH TO MATCH DOOR HARDWARE.</p> <p>3. INSTALL OPENING FLASHING PER DETAIL, TYPICAL.</p> <p>4. INSTALL 3 HINGES FOR DOORS 7' HIGH OR LESS.</p>		<table><tr><th>DOOR NO.</th><th>LOCATION</th><th>DOOR</th><th>TYPE</th><th>SIZE W" X H"</th><th>HDWR GR.</th><th>FIRE RTG.</th><th>GLASS</th><th>REMARKS</th><th>DOOR NO.</th></tr><tr><td>101</td><td>STORAGE</td><td>A</td><td>36 X 84</td><td>2</td><td>-</td><td>-</td><td>-</td><td>Exist. HM Frame.</td><td>101</td></tr><tr><td>102</td><td>ELECTRICAL ROOM</td><td>A</td><td>36 X 84</td><td>2</td><td>-</td><td>-</td><td>-</td><td>Exist. HM Frame. Contractor to verify size</td><td>102</td></tr><tr><td>103</td><td>EXTERIOR ENTRY</td><td>B</td><td>36 X 84</td><td>1</td><td>-</td><td>-</td><td>TEMPERED LAMINATED</td><td>Exist. HM Frame. Contractor to verify size</td><td>103</td></tr><tr><td>104</td><td>EXTERIOR ENTRY</td><td>B</td><td>36 X 84</td><td>1</td><td>-</td><td>-</td><td>TEMPERED LAMINATED</td><td>Exist. HM Frame. Contractor to verify size</td><td>104</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div><div><p>WINDOW TYPES</p><p>WINDOWS SHALL BE BRONZE ANODIZED THERMALLY BROKEN ALUMINUM W/ 1" INSUL. GLAZING (TEMPERED, LAMINATED)</p></div><div><p>DOOR TYPES</p><div><p>STEEL HM FRAME STEEL DOOR 1-PANEL SMOOTH INSULATED 2" THICK 1" INSULATED GLAZING (TEMPERED, LAMINATED) PAINT</p></div><div><p>STEEL HM FRAME STEEL DOOR 1-PANEL SMOOTH INSULATED 2" THICK 1" INSULATED GLAZING (TEMPERED, LAMINATED) PAINT</p></div></div></div>								DOOR NO.	LOCATION	DOOR	TYPE	SIZE W" X H"	HDWR GR.	FIRE RTG.	GLASS	REMARKS	DOOR NO.	101	STORAGE	A	36 X 84	2	-	-	-	Exist. HM Frame.	101	102	ELECTRICAL ROOM	A	36 X 84	2	-	-	-	Exist. HM Frame. Contractor to verify size	102	103	EXTERIOR ENTRY	B	36 X 84	1	-	-	TEMPERED LAMINATED	Exist. HM Frame. Contractor to verify size	103	104	EXTERIOR ENTRY	B	36 X 84	1	-	-	TEMPERED LAMINATED	Exist. HM Frame. Contractor to verify size	104																																									<p>1. Low maintenance synthetic turf, similar to Airfield Systems: Airdrain Playground System. See Detail 2/AE501.</p> <p>2. Raised concrete plant beds: 22" high with 6" wall thickness. See Detail 3/AE501.</p> <p>3. 46" Sq. Tube table with Thermoplastic coating finish and 4 benches Similar to Belson Outdoors Model P46-P (Fasten to conc. slab).</p> <p>4. Belgian Cobble Granite labyrinth path. Cobbles are to be 2"x4"x6" set into 6" concrete slab W/ 4x4/1 1/8" WWF on 6" 3/4" minus subbase. Tops are to be flush with the top of concrete. (2 different colors)</p> <p>5. 30'x30' Dominator basketball court (SoftStep Tile) by Flex Court Athletics or equal. Install on 4" reinforced concrete slab and as per all manufacturers instructions.</p> <p>6. Install new HM door and hardware in existing HM frame. Hardware is to comply with mental health standards.</p> <p>7. Decorative concrete/masonry seating wall: 22" high. See Detail 4/AE501.</p> <p>8. 4" Dia. 2' high Granite Sitting boulders. Bottom of boulders to be set minimum 12" under grade level.</p> <p>9. New exterior stud and metal panel wall. See Detail 1/AE501.</p> <p>10. Secure all grates with tamper proof screws or bolts into concrete walls.</p> <p>11. 8'x12" Tube bench with Thermoplastic coating finish. Similar to Belson Outdoors Model 942SM-V6. (Fasten to conc. slab)</p> <p>12. All doors shall have Mental Health approved hardware.</p> <p>13. Install 10# fire extinguisher in exterior rated wall hung cabinet.</p> <p>14. Basketball hoop -Flexxtreme 560-A by Flex Court Athletics or equal. Install as per all manufacturers instructions.</p> <p>15. Existing Column, pier and footing. Contractor to coordinate and build new foundation wall & wall around existing column and foundation system. Verify details with PM and architect prior to building.</p> <p>16. Provide Backerrod and sealant at brick and gypboard corner. (Both ends of wall)</p> <p>17. 4" Interior Concrete SOG w/ 4x4/1 1/8" WWF. Smooth finish.</p> <p>18. 4" stamped concrete slab W/ 4x4/1 1/8" WWF on 6" 3/4" minus subbase. (2 different colors), pattern to be selected.</p> <p>19. 4" concrete slab W/ 4x4/1 1/8" WWF on 6" 3/4" minus subbase.</p> <p>20. Repair/Replace brick to match existing at the removed canopy.</p> <p>21. Steel structure flat roof canopy.</p> <p>22. Grade all new construction from 4" below wall finish down to existing storm drain. 3/8" minimum.</p>	
DOOR NO.	LOCATION	DOOR	TYPE	SIZE W" X H"	HDWR GR.	FIRE RTG.	GLASS	REMARKS	DOOR NO.																																																																																														
101	STORAGE	A	36 X 84	2	-	-	-	Exist. HM Frame.	101																																																																																														
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1 REMODEL FLOORPLAN
AD101 SCALE: 1/4" = 1'-0"

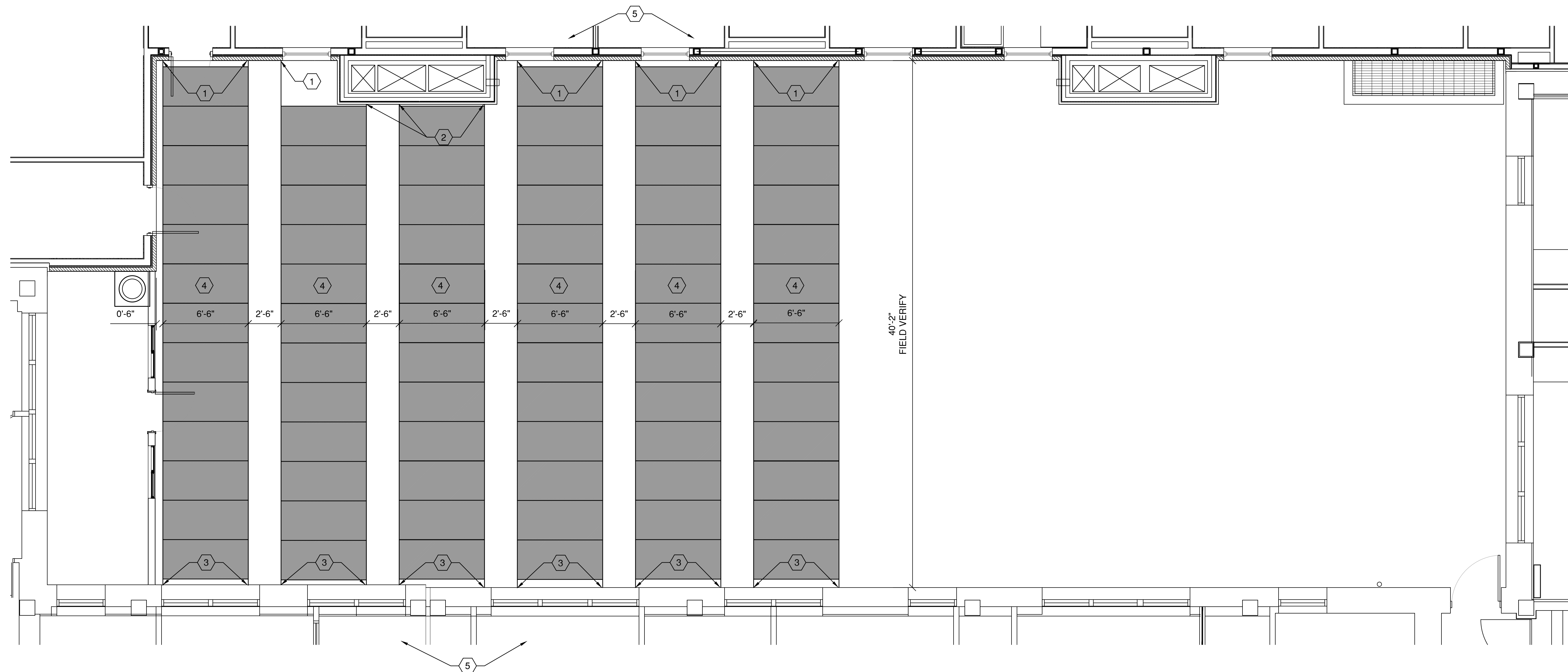
FINAL CONCEPT DRAWING

		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS:	Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
					REMODEL FLOORPLAN AND DOOR SCHEDULE		BUILDING 3 COURTYARD RENOVATION		660-16-125			
									Building Number			
									3			
									Drawing Number			
							Approved: Project Director		Location		AE101	
									SALT LAKE CITY, UTAH		Dwg. 3 of 11	
						Date	Checked	Drawn			 Department of Veterans Affairs	
						APRIL, 2017						
Revisions:	Date											

KEY NOTES

1. SEE DETAIL 5/AE501 FOR WALL BRACKET TO BRICK VENEER WALL DETAIL.
2. SEE DETAIL 5/AE501 FOR WALL BRACKET TO EIFS WALL DETAIL.
3. SEE DETAIL 6/AE501 FOR WALL BRACKET TO BRICK VENEER WALL DETAIL.
4. SUN SHADE FABRIC AND CABLE SYSTEM.
5. (E) CONCRETE SLAB ELEVATION FOR LEVEL ONE, 100'-0".

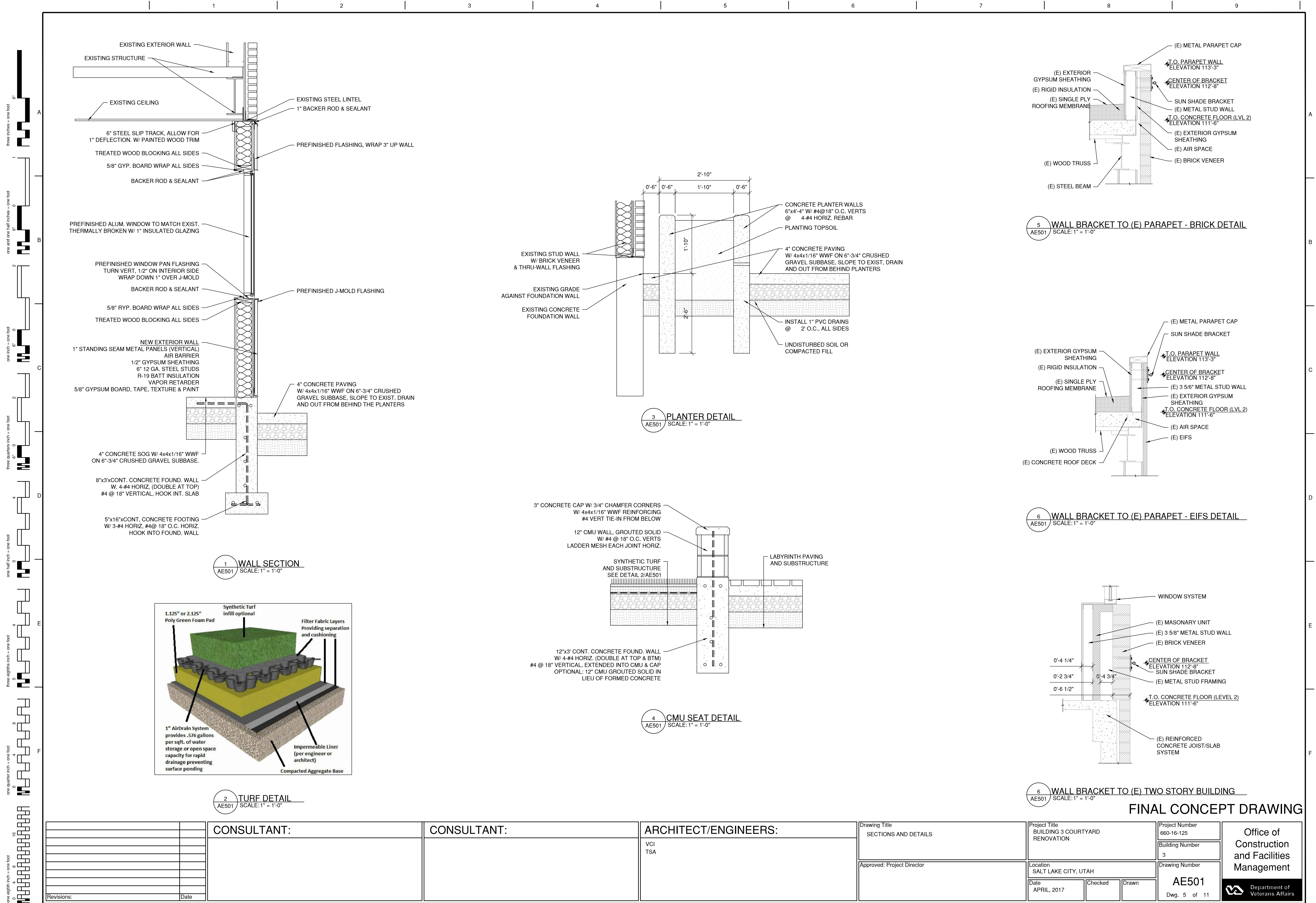
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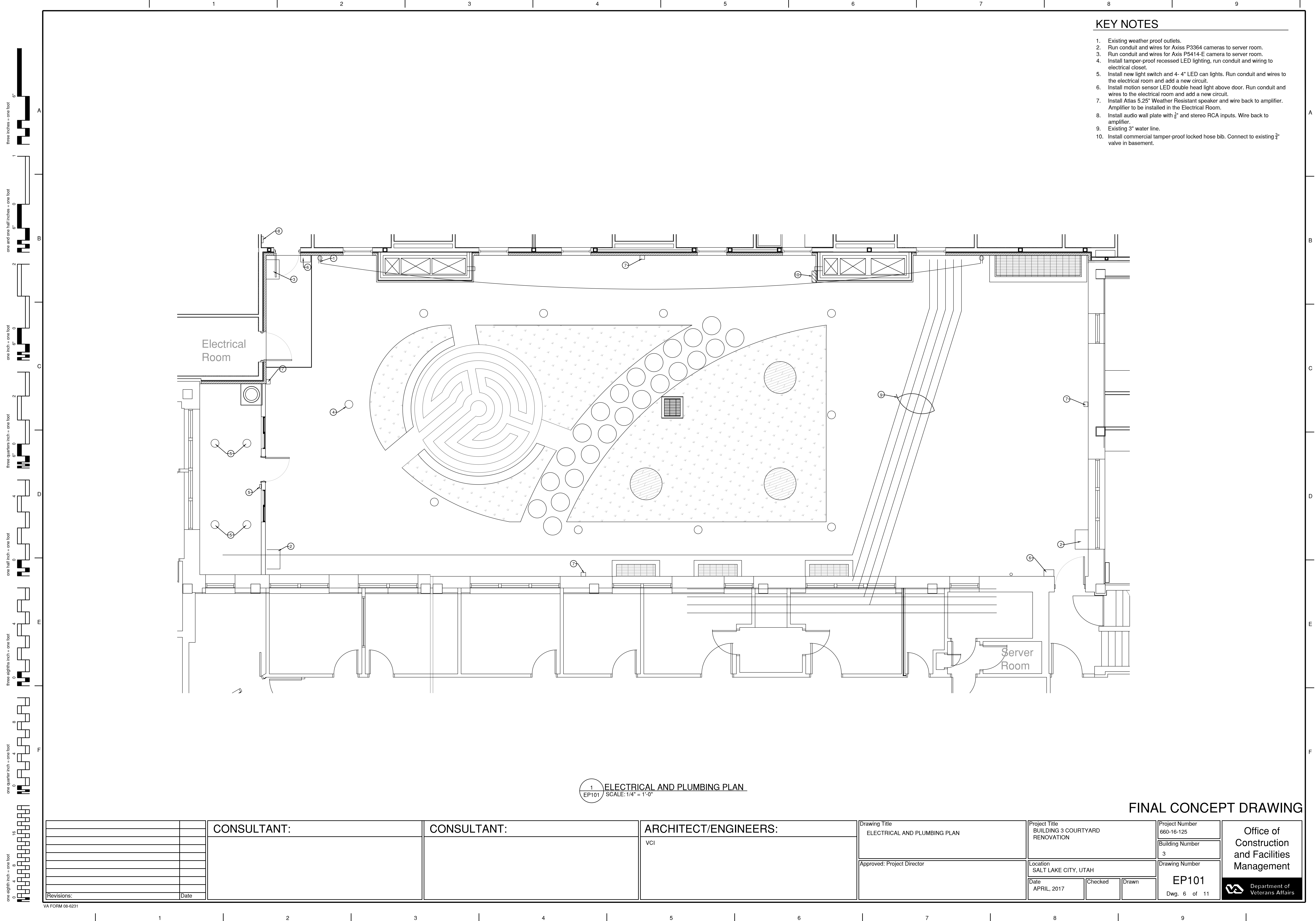


1
AE102

SUN SHADE LAYOUT
SCALE: 1/4" = 1'-0"

		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS: TSA	Drawing Title SUN SHADE LAYOUT	Project Number 660-16-125	Project Title BUILDING 3 COURTYARD RENOVATION	Project Number 660-16-125	Office of Construction and Facilities Management
					Building Number 3				
					Drawing Number AE102				
					Dwg. 4 of 11				
Revisions:	Date							Approved: Project Director	
					Date APRIL, 2017	Checked	Drawn		





KEY NOTES

- Existing weather proof outlets.
- Run conduit and wires for Axis P3364 cameras to server room.
- Run conduit and wires for Axis P5414-E camera to server room.
- Install tamper-proof recessed LED lighting, run conduit and wiring to electrical closet.
- Install new light switch and 4- 4" LED can lights. Run conduit and wires to the electrical room and add a new circuit.
- Install motion sensor LED double head light above door. Run conduit and wires to the electrical room and add a new circuit.
- Install Atlas 5.25" Weather Resistant speaker and wire back to amplifier. Amplifier to be installed in the Electrical Room.
- Install audio wall plate with $\frac{1}{8}$ " and stereo RCA inputs. Wire back to amplifier.
- Existing 3" water line.
- Install commercial tamper-proof locked hose bib. Connect to existing $\frac{3}{4}$ " valve in basement.

1 ELECTRICAL AND PLUMBING PLAN
EP101 SCALE: 1/4" = 1'-0"

FINAL CONCEPT DRAWING

		CONSULTANT:		CONSULTANT:		ARCHITECT/ENGINEERS:		Drawing Title ELECTRICAL AND PLUMBING PLAN		Project Title BUILDING 3 COURTYARD RENOVATION		Project Number 660-16-125		Office of Construction and Facilities Management			
						VC1				Building Number 3							
								Approved: Project Director		Location SALT LAKE CITY, UTAH		Drawing Number EP101					
Revisions:		Date								Date APRIL, 2017		Checked		Drawn		Dwg. 6 of 11	

DESIGN CRITERIA

SCOPE

THIS SPECIFICATION OUTLINES THE STRUCTURAL DESIGN CRITERIA FOR A RENOVATION TO THE COURTYARD AT BUILDING B, VETERANS AFFAIRS MEDICAL CLINIC, AT SALT LAKE CITY. WHEN A DIFFERENCE EXISTS BETWEEN THIS SPECIFICATION AND ANY OTHER GOVERNING CODE, THE MORE STRINGENT SHALL CONTROL. ANY OTHER ITEMS NOT COVERED THEREIN SHALL BE COMMENSURATE WITH GOOD ENGINEERING PRACTICE.

DESIGN STANDARDS

- INTERNATIONAL BUILDING CODE, 2015 EDITION.
- INTERNATIONAL EXISTING BUILDING CODE, 2015 EDITION.
- AMERICAN SOCIETY OF CIVIL ENGINEERS - ASCE 7-10.
- ACI 318-11, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- AISI S-100 – 12, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
- ASTM 1023, STANDARD SPECIFICATION FOR STRANDED CARBON STEEL WIRE ROPES FOR GENERAL PURPOSE.

DESIGN LOADING

- DEAD LOADS: WEIGHT OF STRUCTURE AND ALL THINGS PERMANENTLY ATTACHED.
 - CONCRETE 150 PCF
 - FLOORS 15 PSF
 - DECKS 10 PSF
 - ROOF 15 PSF
- GRAVITY LIVE LOADS:
 - FLOORS 40 PSF
 - DECK LOAD 40 PSF
 - ROOF LOAD 20 PSF
- SNOW LOAD
 - GROUND SNOW LOAD Pg = 43 PSF
 - FLAT ROOF SNOW LOAD 30 PSF
 - SNOW EXPOSURE FACTOR 1.0
 - SNOW IMPORTANCE FACTOR 1.2
 - SNOW THERMAL FACTOR 1.0
- WIND LOAD
 - ANALYSIS PROCEDURE COMPONENTS AND CLAD.
 - BASIC WIND SPEED 120 MPH (3-SEC GUST)
 - RISK CATAGORY IV
 - EXPOSURE CATAGORY C
 - INTERNAL PRESSURE COEFFICIENT +/- 0.18

(APPLICABLE WIND PRESSURE TABLES)

- SEISMIC DESIGN CRITERIA
 - SITE CLASS D
 - SEISMIC IMPORTANCE FACTOR 1.5
 - RISK CATAGORY IV
 - SEISMIC DESIGN CATAGORY D
 - SPECTRAL RESPONSE
 - Ss = 1.24 S1 = 0.45 Sds = 0.909 Sd1 = 0.480

FOUNDATION DESIGN

- THE FOLLOWING PROPERTIES HAVE BEEN USED IN THE ANALYSIS OF THE FOUNDATIONS:
 - ALLOWABLE SOIL BEARING PRESSURE 1500 PSF
 - PASSIVE SOIL RESISTANCE 100 PCF
 - COEFFICIENT OF SLIDING FRICTION 0.5
 - EQUIVALENT FLUID PRESSURE FOR WALLS 35 PCF
- BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 36" BELOW FINAL GRADE FOR FROST PROTECTION
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTROL OF GROUNDWATER AND SURFACE RUNOFF THROUGHOUT THE CONSTRUCTION PROCESS. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES WHICH RESULT IN DETERIORATION OF BEARING SHALL BE PREVENTED.

GENERAL CONDITION PROVISIONS

(AS APPLICABLE TO EACH PHASE OF CONSTRUCTION, UNLESS NOTED OTHERWISE)

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.
- DO NOT REPRODUCE CONTRACT DOCUMENTS OR COPY STANDARD PRINTED INFORMATION AS BASIS OF SHOP DRAWINGS.
- STRUCTURAL CONSTRUCTION DOCUMENTS RELEASED BY THIS OFFICE ARE ASSUMED TO BE COMPLETE AND ACCURATE YET PROBLEMS MAY ARISE DURING CONSTRUCTION. COMMUNICATION WITH CONTRACTOR, ENGINEER, ARCHITECT AND OTHER PARTIES INVOLVED WITH THIS PROJECT WILL PROVIDE THE BEST POSSIBLE BUILDING.
- CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION PRACTICES INCLUDING TECHNIQUES, PROCEDURES AND THE SEQUENCE OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER IF A CONFLICT ARISES DUE TO VARIATIONS OR OTHER PROBLEMS WITH THE CONSTRUCTION DOCUMENTS.
- DURING ERECTION OF THE BUILDING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY BRACING TO WITHSTAND ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING LATERAL LOADS, STOCKPILES OF MATERIALS AND EQUIPMENT. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY AND UNTIL ALL STRUCTURAL FRAMING AND DIAPHRAGMS ARE IN PLACE WITH CONNECTIONS COMPLETED.
- OBSERVATIONS OF JOBSITE OTHER THAN REQUIRED INSPECTIONS BY ENGINEER ARE NOT CONSTRUCTION APPROVALS.
- STRUCTURAL ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY REQUIRED CONSTRUCTION OBSERVATION.
- NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST MASONRY OR CONCRETE WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY CONSTRUCTION BRACING OR BY PERMANENT CONSTRUCTION.
- ISOLATE ALL DOOR JAMBS FROM FLOOR SLABS A MINIMUM OF 1/2" TO ALLOW FOR POSSIBLE VERTICAL MOVEMENT.
- PROVIDE SLEEVES FOR ALL PIPES PLACED THROUGH CONCRETE BEAMS, WALLS, COLUMNS OR SLABS.
- THE BUILDER AND FUTURE OWNER SHOULD BE MADE AWARE OF THE CHANCE OF MOVEMENT AND CRACKING OF CONCRETE SLABS PLACED DIRECTLY ON COMPACTED SOIL.
- VERIFY ALL OPENINGS THROUGH FLOOR, ROOF, AND WALLS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

MATERIAL GRADES

CAST IN PLACE CONCRETE

- CONCRETE 28-DAY MINIMUM COMPRESSIVE STRENGTH:
 - FOOTINGS, FOUNDATION WALLS & GRADE BEAMS 3000 PSI
 - SLABS-ON-GRADE 4000 PSI
- THE MAXIMUM WATER-CEMENT RATIO BY WEIGHT 0.45
- STEEL REINFORCING BARS ASTM A615, GRADE 60
- STEEL REINFORCING BARS THAT ARE FIELD BENT ASTM A185
- WELDED WIRE FABRIC ASTM A185
- ANCHOR BOLTS / RODS ASTM F1554, GRADE 36
- GROUT, HIGH STRENGTH/LOW SHRINK DRY-PACK ASTM C1107
- FASTENERS
 - EXPANSION ANCHORS CALLED FOR ON THE DRAWINGS SHALL BE WEDGE TYPE EXPANSION ANCHORS U.N.O.
 - EPOXY SHALL CONFORM TO ASTM C-881, TYPE IV, GRADE 2 WITH CLASS SUITABLE FOR ENVIRONMENTAL CONDITIONS. ACCEPTABLE EPOXIES FOR INSTALLING THREADED STEEL RODS INTO EXISTING CONCRETE ARE:
 - PE1000+ BY POWERS FASTENERS
 - HIT-HY 200 AND HIT-RE 500-SD BY HILTI CORPORATION
 - SET-XP BY SIMPSON STRONG-TIE
 - THREADED STEEL RODS SHALL BE UNGREASED WITH Fy = 36KSI MIN AND Fu = 58KSI MIN.

STRUCTURAL STEEL

- PLATES AND ANGLES ASTM A36
- HOLLOW STRUCTURAL SECTIONS ASTM A500, GRADE B
- HIGH-STRENGTH BOLTS ASTM A325, U.N.O.
- PLAIN WASHERS ANSI B18.22.1-65 (R2008)
- WELDING ELECTRODES SHALL BE E70XX RODS CONFORMING TO AWS A5.20 (FCAW PROCESS), AWS A5.18 (GMAW PROCESS) OR AWS A5.1 (SMAW PROCESS)

COLD-FORMED STEEL

- ALL GALVANIZED COLD FORMED STEEL STUDS, HEADERS, AND TRACKS SHALL CONFORM TO ASTM A653 IN THE FOLLOWING GRADES U.N.O.:
 - 12 THRU 16 GAGE SHALL BE 50 KSI
 - 18 GAGE AND LIGHTER SHALL BE 33 KSI

EXPANSION BOLT AND ADHESIVE ANCHOR INSTALLATION REQUIREMENTS

- HOLES SHALL BE DRILLED AT A DIAMETER AND DEPTH SPECIFIED BY THE MANUFACTURER USING A COARSE CUTTING ROCK CHISEL OR HAMMER DRILL. CORE DRILLS OR OTHER SMOOTH CUTTING DRILLS ARE NOT ALLOWED.
- HOLES SHALL BE THOROUGHLY CLEANED WITH A BRUSH, THEN VACUUMED OR BLOWN CLEAN WITH OIL-FREE COMPRESSED AIR TO REMOVE ALL RESIDUE FROM THE DRILLING OPERATION.
- EXPANSION BOLTS AND EPOXY ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

CAST-IN-PLACE CONCRETE CONSTRUCTION PROVISIONS

- CONCRETE SHALL BE PROPORTIONED, MIXED, CONVEYED, AND PLACED IN ACCORDANCE WITH ACI 301.
- CONCRETE PROTECTION FOR REINFORCEMENT (COVER) SHALL BE AS FOLLOWS:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER (#5 AND SMALLER): 1.5"
 - CONCRETE EXPOSED TO EARTH OR WEATHER (#6 AND LARGER): 2"
- DETAIL BARS IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI315 AND ACI318.
- NO SPLICES OF REINFORCEMENT SHALL BE MADE AND NO WELDING TO REINFORCING SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE PER THE REBAR DEVELOPMENT LENGTH TABLE. WIRE FABRIC REINFORCEMENT MUST LAP 12" AND SHALL BE WIRED TOGETHER. MAKE ALL BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING.
- PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING BARS AT POSITIONS SHOWN ON THE PLANS.
- FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF ACI 347.

STRUCTURAL STEEL CONSTRUCTION REQUIREMENTS

- DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST PROVISIONS OF AISC MANUAL OF STEEL CONSTRUCTION, CODE OF STANDARD PRACTICE AND CHAPTER 22 OF THE IBC PER THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.
- WELDING PROCEDURES ARE THE RESPONSIBILITY OF THE STRUCTURAL STEEL CONTRACTOR.
- ALL WELDS SHALL BE 3/16" FILLET WELDS WHERE NO SIZE IS PROVIDED AND ALL WELDS SHALL BE CONTINUOUS WHERE NO LENGTH IS PROVIDED.
- ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION WELDS AND SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER.
- ALL WELDS EXPOSED TO VIEW SHALL BE CLEANED, GROUND SMOOTH AND PAINTED. PAINTING DONE ON STEEL MEMBERS SHOULD BE AT LEAST 3" FROM FIELD WELDS UNLESS WELDS ARE COMPLETED. SHOP PRIME AND PAINT STEEL PER THE OWNER'S SPECIFICATIONS.
- CONNECTIONS MADE WITH HIGH STRENGTH STEEL BOLTS SHALL CONFORM IN ALL RESPECTS TO THE CURRENT SPECIFICATIONS FOR STRUCTURAL JOINTS AS ENDORSED BY AISC. FOR BEARING TYPE CONNECTIONS, BOLTS SHALL BE INSTALLED TO A SNUG TIGHT CONDITION. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES OF A JOINT ARE IN FIRM CONTACT. THIS CONDITION MAY NORMALLY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A PERSON USING AN ORDINARY SPUD WRENCH.

COLD-FORMED STEEL CONSTRUCTION

- STEEL STUD CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS FOR ALL CONNECTIONS AND FRAMING DIFFERING FROM DRAWINGS TO AES GROUP, INC. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR ERECTION.
- STUDS SHALL BE PLUMB, ALIGNED, AND FULLY NESTED IN BOTH THE UPPER AND LOWER TRACK.
- ATTACH STUDS TO TRACKS WITH A MINIMUM OF (1)#10 TEK SCREW BETWEEN EACH FLANGE AND THE TRACK.
- FRAMING OF WALL OPENINGS SHALL INCLUDE HEADERS AND SUPPORTING STUDS AS SHOWN ON THE PLANS, DETAILS, AND NOTES. DOUBLE STUDS SHALL BE PROVIDED EACH SIDE OF ALL OPENINGS UNLESS NOTED OTHERWISE.
- BLOCKING BETWEEN STUDS SHALL BE PROVIDED. BLOCKING SHALL BE SAME GAGE AS STUDS

NW CONCRETE REBAR DEVELOPMENT LENGTH			
F'c = 3000 PSI NORMAL WEIGHT CONCRETE			
BAR SIZE	DEVELOPMENT LENGTH (IN)		SPlice LENGTH (IN)
	LD	LDH	LS
	FNDS, FTGS, & WALLS		FNDS, FTGS, & WALLS
# 3	17	9	24
# 4	22	11	32
# 5	28	14	41
# 6	33	16	49
# 7	48	18	72
# 8	55	20	82

NOTES:

- LD = TENSION DEVELOPMENT LENGTH
- LDH = HOOK DEVELOPMENT LENGTH WITH STANDARD 90 DEGREE HOOK
- LS = LAP SPlice LENGTH
- WHEN SPlicing DIFFERENT BARS, USE THE MAXIMUM OF THE SMALLER BAR SPlice LENGTH OR LARGER BAR DEVELOPMENT LENGTH, U.N.O.
- INCREASE LENGTHS PROVIDED BY 50% IF CLEAR COVER IS GREATER THAN (1) BAR DIAMETER. OR CLEAR SPACING BETWEEN BARS IS LESS THAN (2) BAR DIAMETERS.
- ALL HOOK BARS SHALL HAVE 2" COVER OFF FAR FACE OF SUPPORT WITH A 2-1/2" SIDE COVER, U.N.O. INCREASE 'LDH' BY 40% IF SIDE COVER IS NOT ACHIEVED.

ABBREVIATIONS:

@	AT	LB	POUND
AB	ANCHOR BOLT	LL	LIVE LOAD
ADDNL	ADDITIONAL	LOC	LOCATION(S)
ALT	ALTERNATE	LW	LIGHT WEIGHT
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECT	MFD	MANUFACTURED
(URAL)		MFR	MANUFACTURER
B.S.	BOTTOM OF BUILDING	MGMT	MANAGEMENT
BLDG	BOTTOM	MIN	MINIMUM
BOT	BASE PLATE	MISC	MISCELLANEOUS
BPL	BETWEEN	MTL	METAL
BTWN	COLD FORM	(N)	NEW
CF	CAST IN PLACE CLEAR(ANCE)	N.S.	NEAR SIDE
C.I.P.	COLUMN	N.T.S.	NOT TO SCALE
CLR	CONCRETE	NEC'Y	NECESSARY
COL	CONNECTION	NOM	NOMINAL
CONN	CONSTRUCTION	O.C.	ON CENTER
CONST	CONTINUOUS	O.H.	ON HAND
CONT	COORDINATE	OPNG	OPENING
COORD	DEGREE(S)	PC	PRECAST CONCRETE
DEG	DIAMETER	PERP	PERPENDICULAR
DIA	DIAGONAL	PL	PLATE
DIAG	DIMENSION	PLF	POUNDS PER LINEAR FOOT
DIM	DEAD LOAD	PSF	POUND PER SQUARE FOOT
DL	DETAIL	PT	POINT
DTL	DRAWING	RE	REFERENCE, REFER TO
DWG	DOWEL	REINF	REINFORCEMENT
DWL	EMBEDMENT	REQ'D	REQUIRED
(E)	ENGINEER	REQUIREMENTS	REQUIREMENTS
E.E	EACH END	S.O.G.	SLAB ON GRADE
E.F.	EACH FACE	SCHED	SCHEDULE
E.S.	EACH SIDE	SECT	SECTION
E.W.	EACH WAY	SHT	SHEET
EA	EACH	SIM	SIMILAR
EL	ELEVATION	SPCG	SPACING
EMBED	ENGINEER	SPEC	SPECIFICATION(S)
ENG	EQUAL	SQ	SQUARE
EQ	EXCAVATE(TION)	STD	STANDARD
EXCAV	EXPANSION	STL	STEEL
EXP	EXTerior	STRUCT	STRUCTURAL
EXT	FACE OF	T.O.	TOP OF
F.O.	FAR SIDE	T.O.C.	TOP OF CONCRETE
F.S.	FOUNDATION	T.O.F.	TOP OF FOOTING
FDN	FLOOR	T.O.W.	TOP OF WALL
FLR	FRAMING	T&B	TOP AND BOTTOM
FRMG	FOOTING	THK	THICK(NESS)
FTG	GAGE, GAUGE	THRD'D	THREADED
GA	GRADE	TYP	TYPICAL
GALV	GALVANIZED	U.N.O.	UNLESS OTHERWISE
GR	HEADER	NOTED	
HDR	HORIZONTAL	VERT	VERTICAL
HORZ	HEIGHT	W/	WITH

SYMO	DESCRIPTIO	SYMO	DESCRIPTION
	GRID LINES		CAST-IN-PLACE CONCRETE
	SECTION OR DETAIL CUT		EARTH, NATURAL SOIL
	SHEET NUMBER		EDGE OF NEW CONSTRUCTION
	ELEVATION CALLOUT		EDGE OF HIDDEN CONSTRUCTION
	DRAWING REVISION NUMBER		EDGE OF (E) CONSTRUCTION
	CURRENT REVISION CLOUD		COLUMN MARK
	WELDED WIRE REINFORCEMENT	C1	COLUMN
		B1	BEAM
		J1	JOIST

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title STRUCTURAL NOTES	Phase	Project Title BUILDING 3 COURTYARD RENOVATION	Project Number 660-16-125
		Consultant:	A/E: TRACY STOCKING & ASSOC. VCI AES GROUP			Approved:		Location VAMC - SALT LAKE CITY, UTAH	Building Number 3
								Issue Date APRIL, 2017	Drawing Number S001
		Revisions:	Date:					Checked RID	Drawn JWW

A

B

C

D

E

F

A

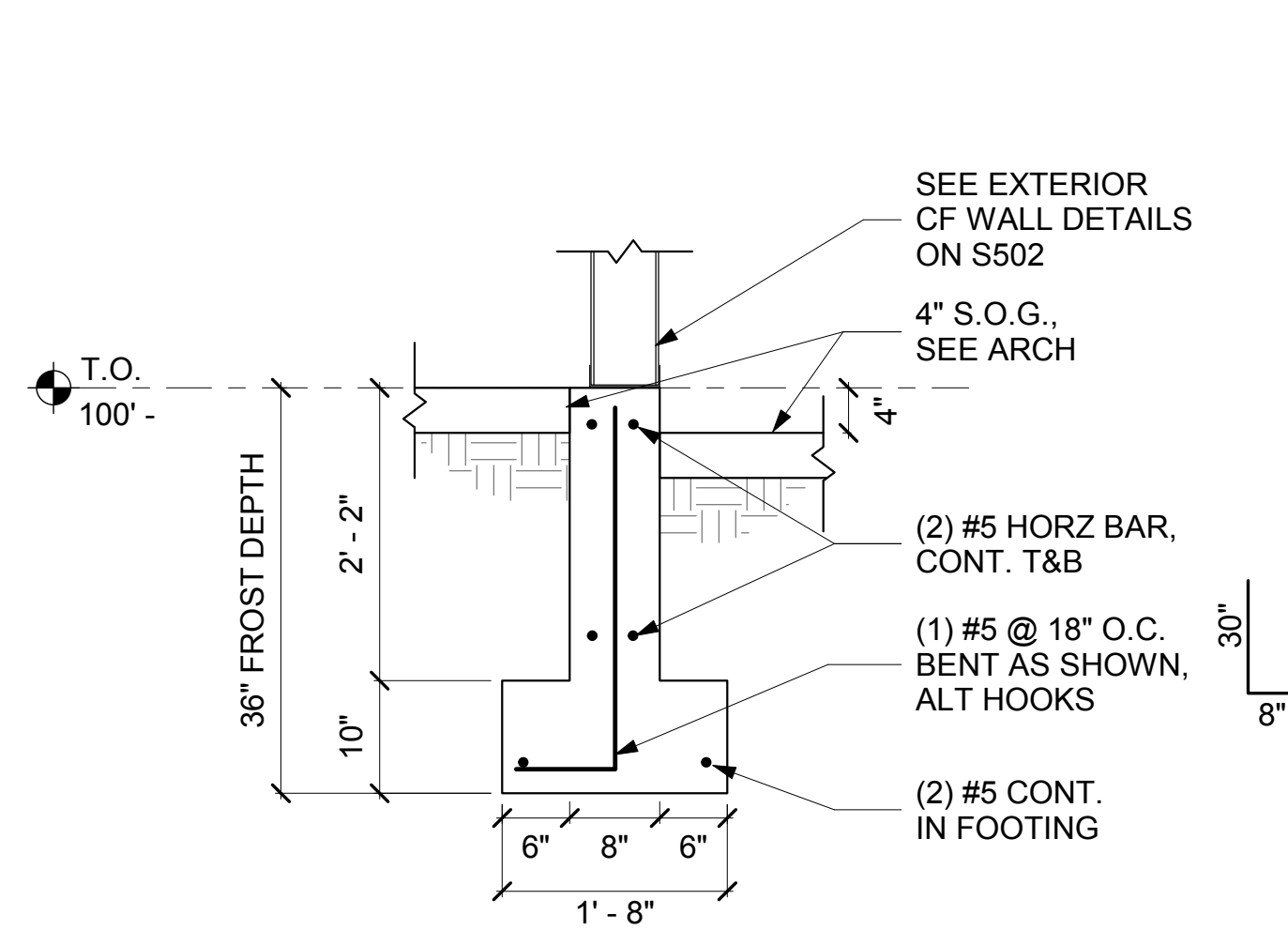
B

C

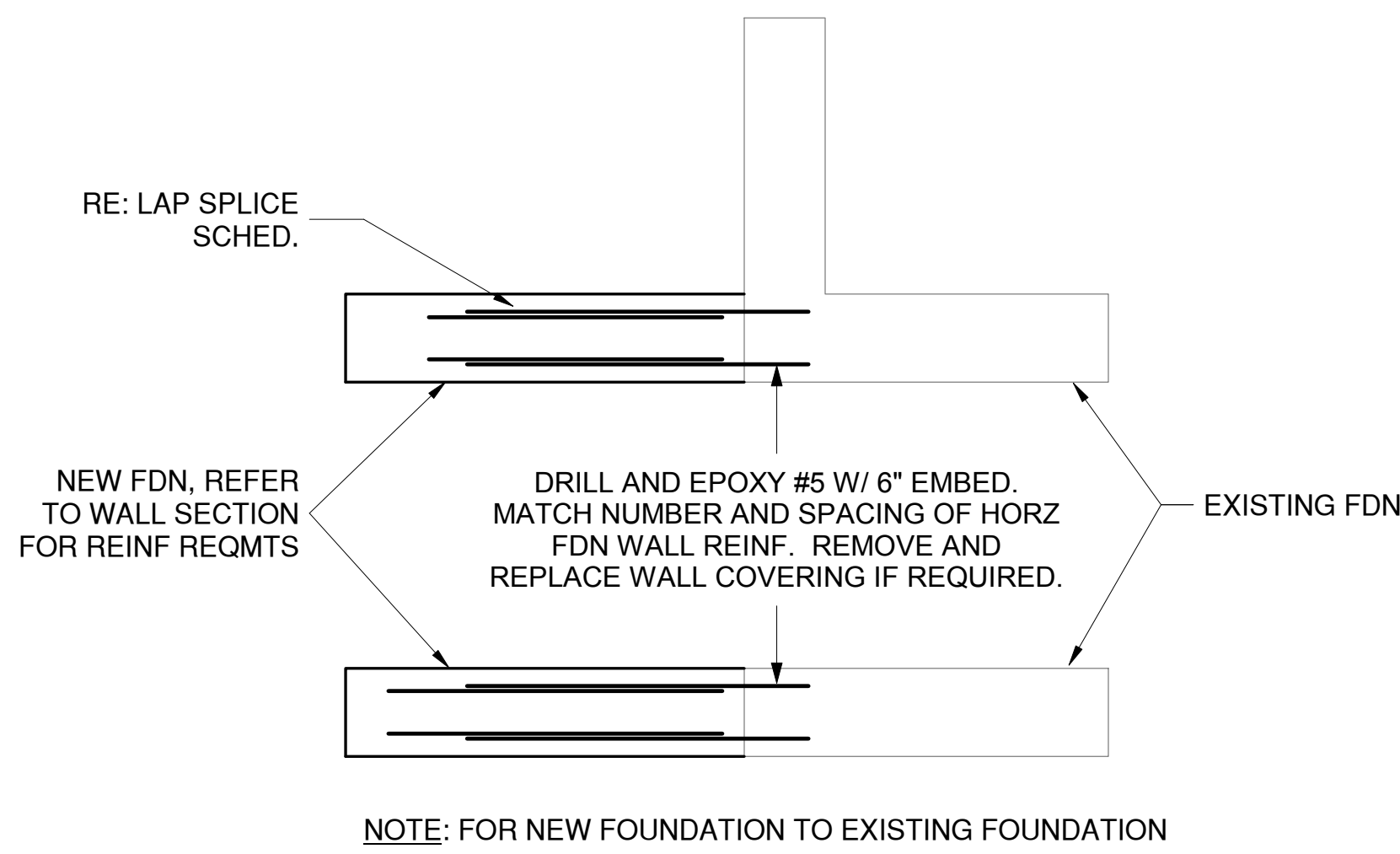
D

E

F



1 SECTION AT FOUNDATION WALL
S501 SCALE: 3/4" = 1'-0"



2 FOUNDATION WALL CONNECTION
S501 SCALE: 3/4" = 1'-0"



Revisions:	Date:

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A/E: TRACY STOCKING & ASSOC. VCI AES GROUP

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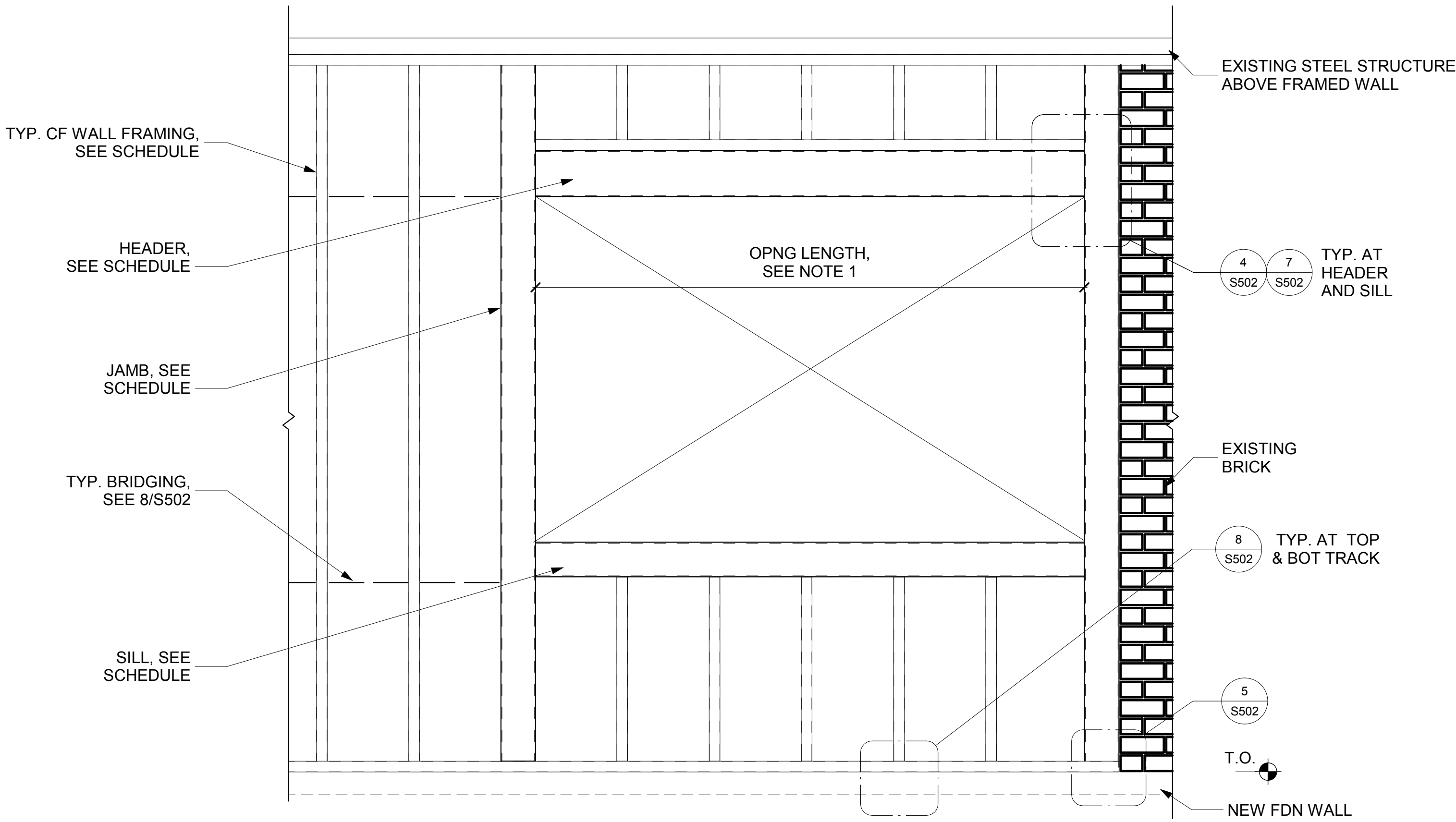
Drawing Title CAST IN PLACE CONC DETAILS
Approved:

Phase

Project Title BUILDING 3 COURTYARD RENOVAITON
Location VAMC - SALT LAKE CITY, UTAH
Issue Date APRIL, 2017
Checked RID
Drawn JWV

Project Number 660-16-125
Building Number 3
Drawing Number S501

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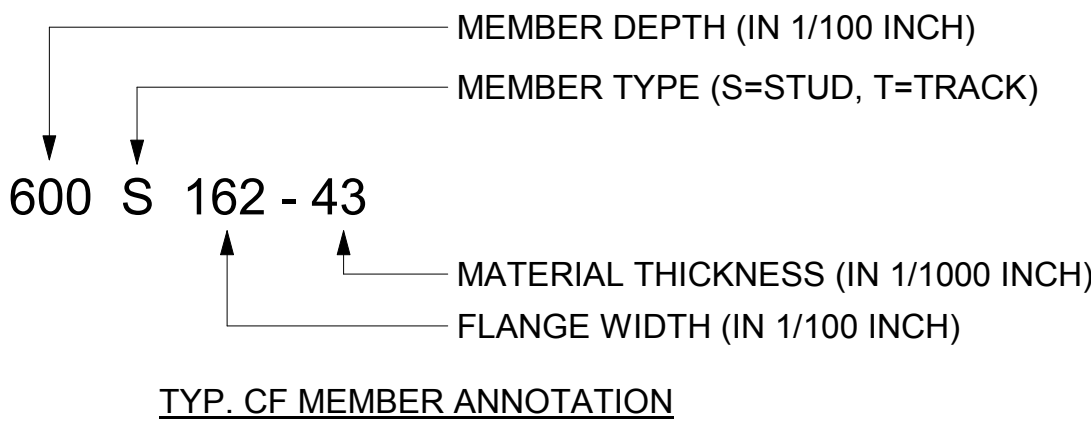


NOTES:
1. OPNG LENGTH = UNINTERRUPTED WINDOW/DOOR OPENING LENGTH. SEE ARCH DWGS FOR OPENING LOCATIONS.

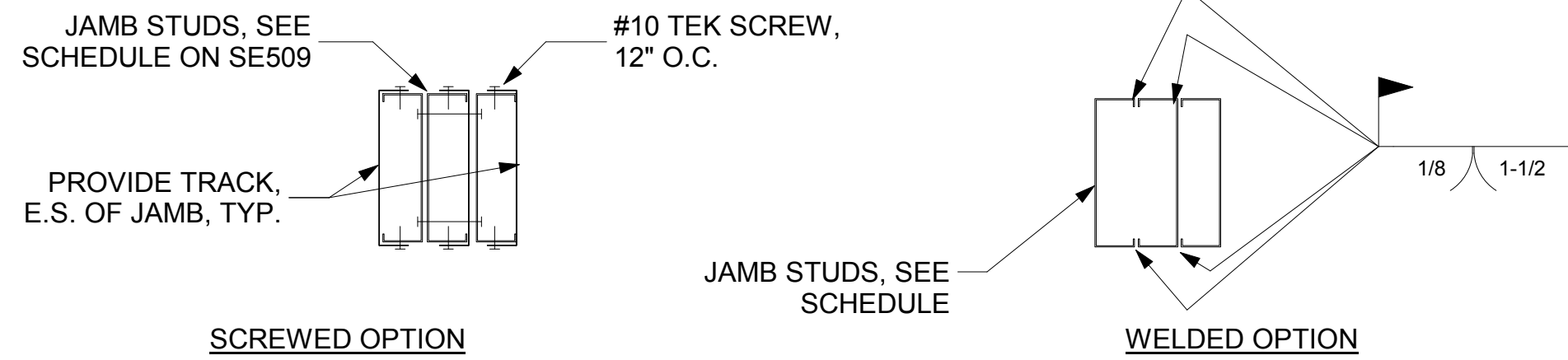
1
S502
TYP. EXTERIOR CF WALL FRAMING
SCALE: N.T.S.

WINDOW FRAMING				
MAX OPNG LENGTH (FT)	HEADE	SILL	JAM	REMARK
20' -	HSS8x6x3/16	HSS6x6x3/16	HSS6x6x3/16	
14' -	HSS6x6x3/16	HSS6x4x3/16	HSS6x4x3/16	
8' -	(2) 600S162-54 + (2) 600T125-54	(2) 600T125-54	(2) 600S162-	RE 3/S502 FOR JAMB

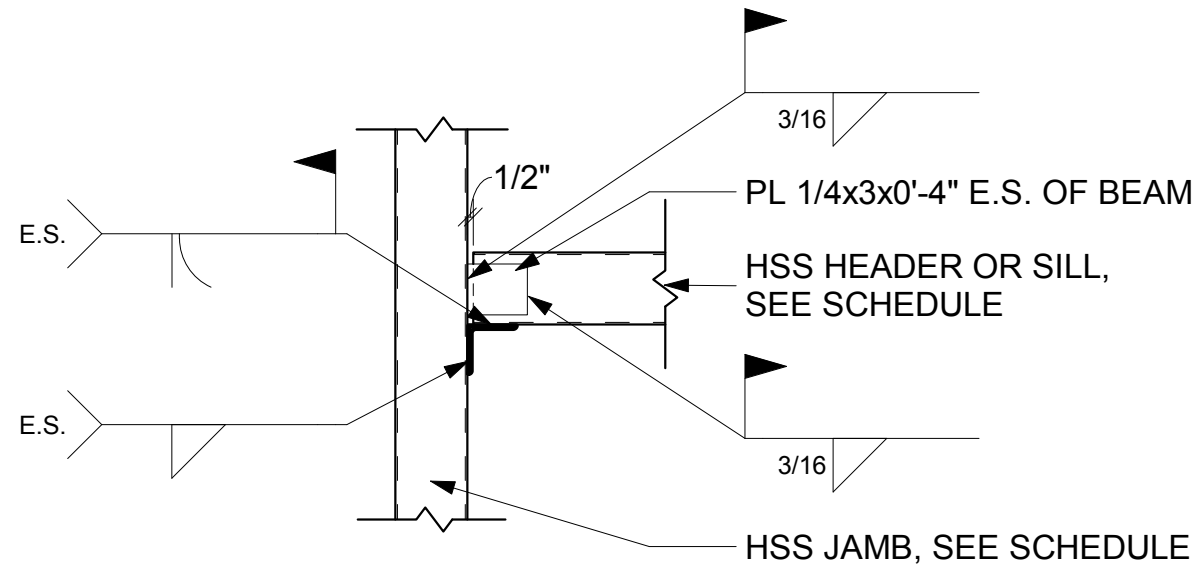
EXTERIOR COLD FORMED WALL		
ZONE	ZONE 5	TRAC
600S162-43 @ 16" O.C.	N/	600T125-43



2
S502
EXTERIOR CF FRAMING WALL SCHEDULE
SCALE: NO SCALE

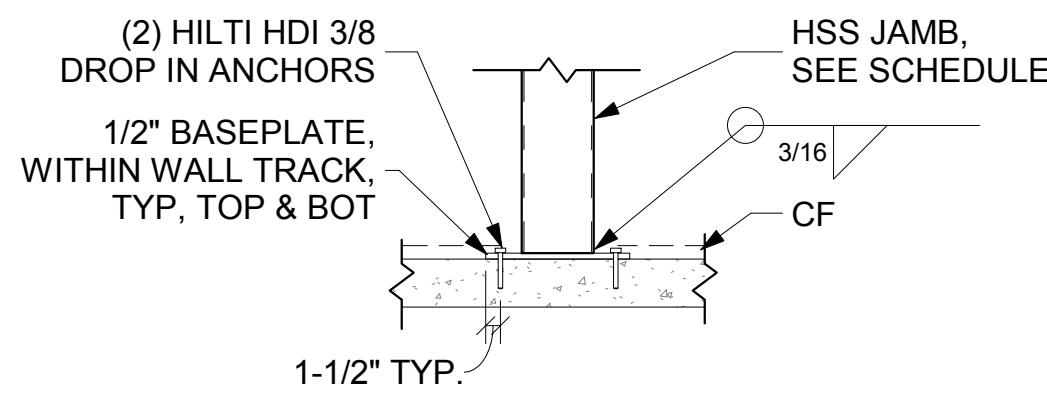


3
S502
CF JAMB STUD ATTACHMENT
SCALE: N.T.S.



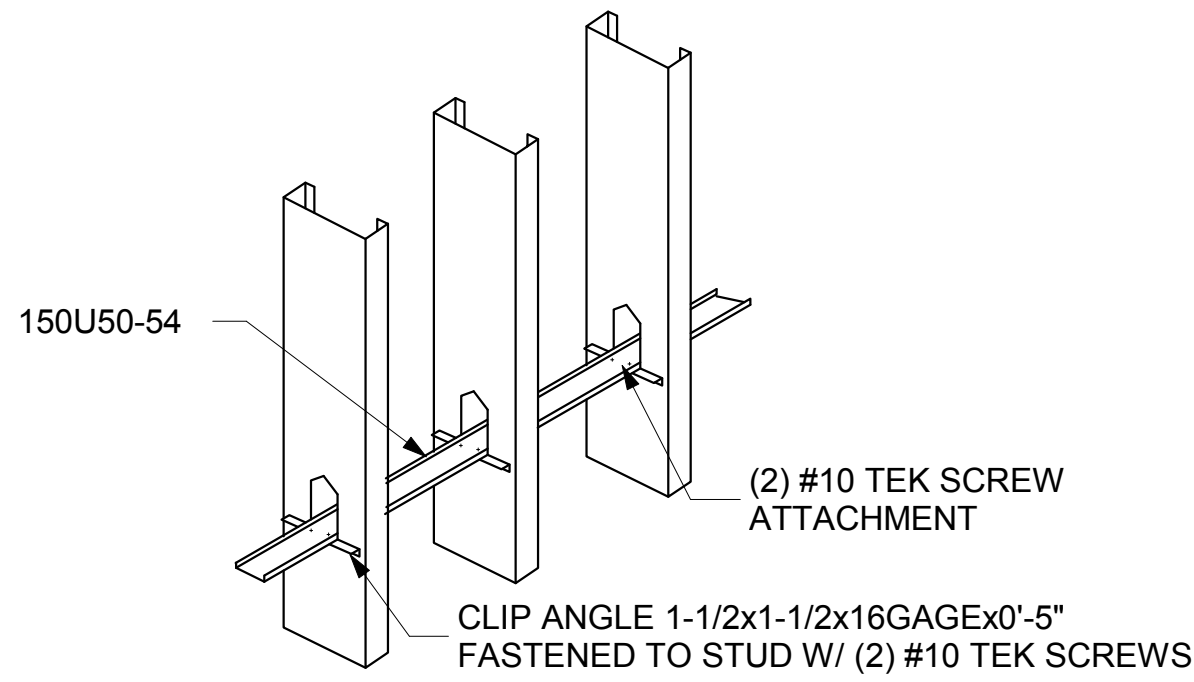
NOTES:
1. CF TYP. WALL FRAMING NOT SHOWN FOR CLARITY, ATTACH 600S162-43 TRACK TO TOP OF HSS HEADER AND BOT OF HSS SILL W/ (2) #10 SELF-DRILLING TEK SCREWS AT 12" O.C.

4
S502
HSS HEADER TO HSS JAMB
SCALE: N.T.S.



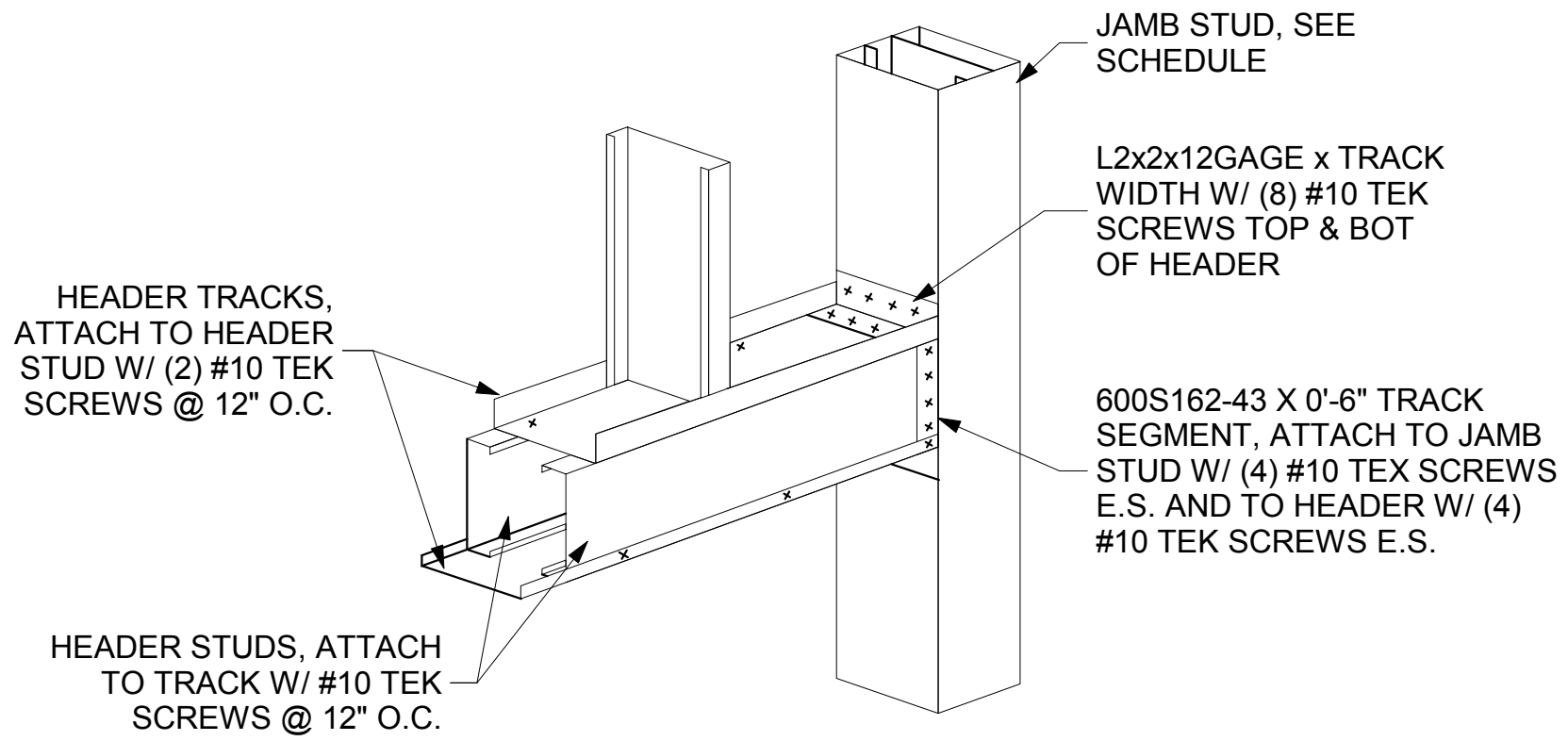
NOTES:
1. SEE 3/SE510 FOR CF JAMB TO CONCRETE.

5
S502
HSS JAMB TO CONCRETE
SCALE: N.T.S.

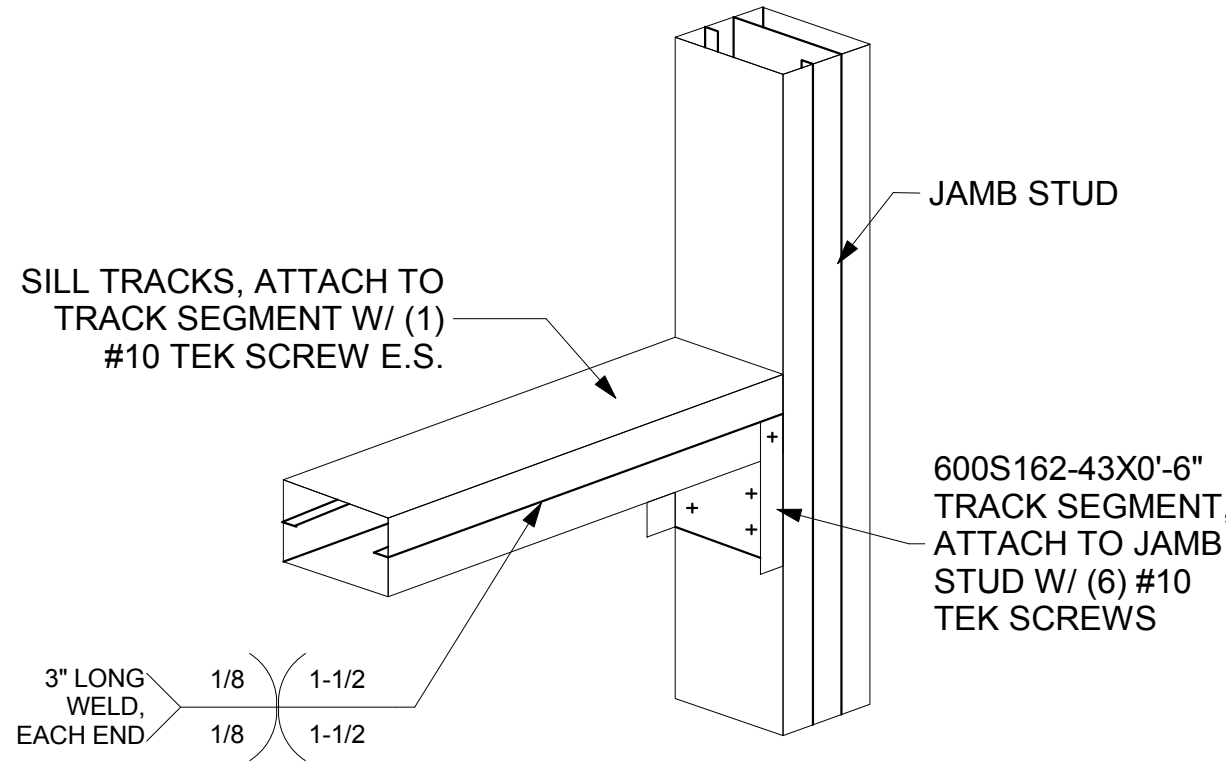


NOTES:
1. PROVIDE BLOCKING AT 4'-0" MAX VERTICAL SPACING, TYP.

6
S502
TYP. CF WALL BRIDGING
SCALE: N.T.S.

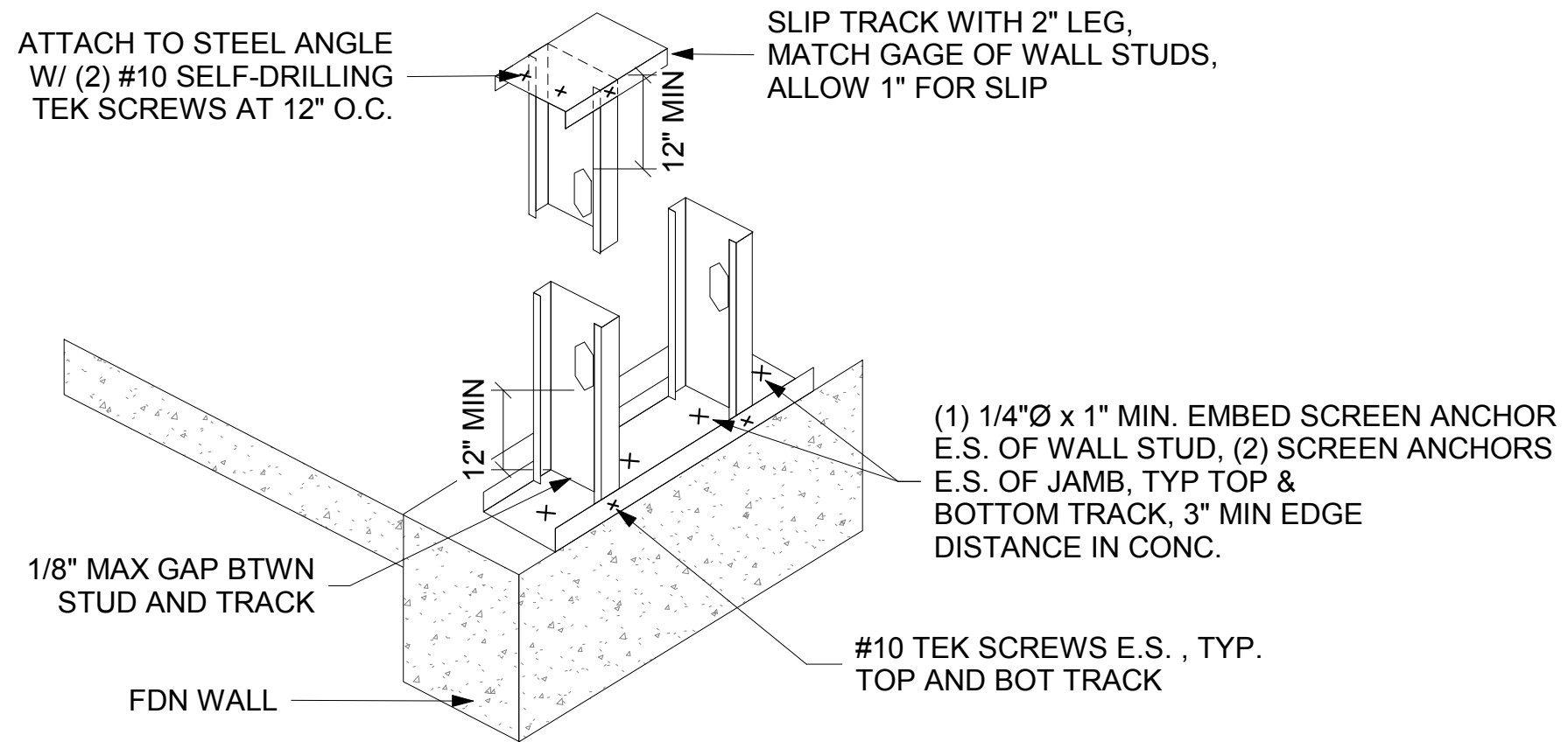


AT HEADER



AT SILL

7
S502
TYP. ATTACHMENT AT HEADER AND SILL
SCALE: N.T.S.



8
S502
CF STUD TO TRACK AND CONCRETE
SCALE: N.T.S.

Revisions:	Date:

CONSULTANT
Consultant:

ARCHITECT/ENGINEER OF RECORD
A/E:
TRACY STOCKING & ASSOC.
VCI
AES GROUP

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Management

VA U.S. Department
of Veterans Affairs

Drawing Title
EXTERIOR CF WALL DETAILS

Approved:

Phase

Project Title
BUILDING 3 COURTYARD
RENOVAITON

Location
VAMC - SALT LAKE CITY, UTAH

Issue Date
APRIL, 2017

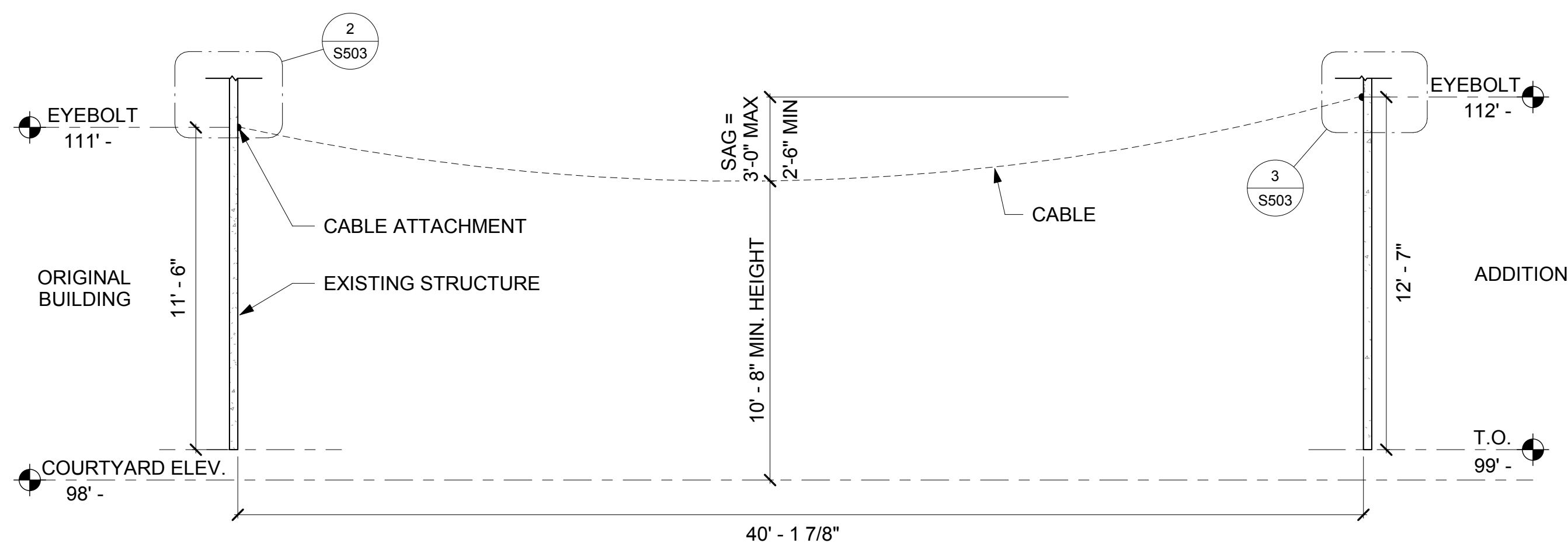
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RID

Drawn
JWV

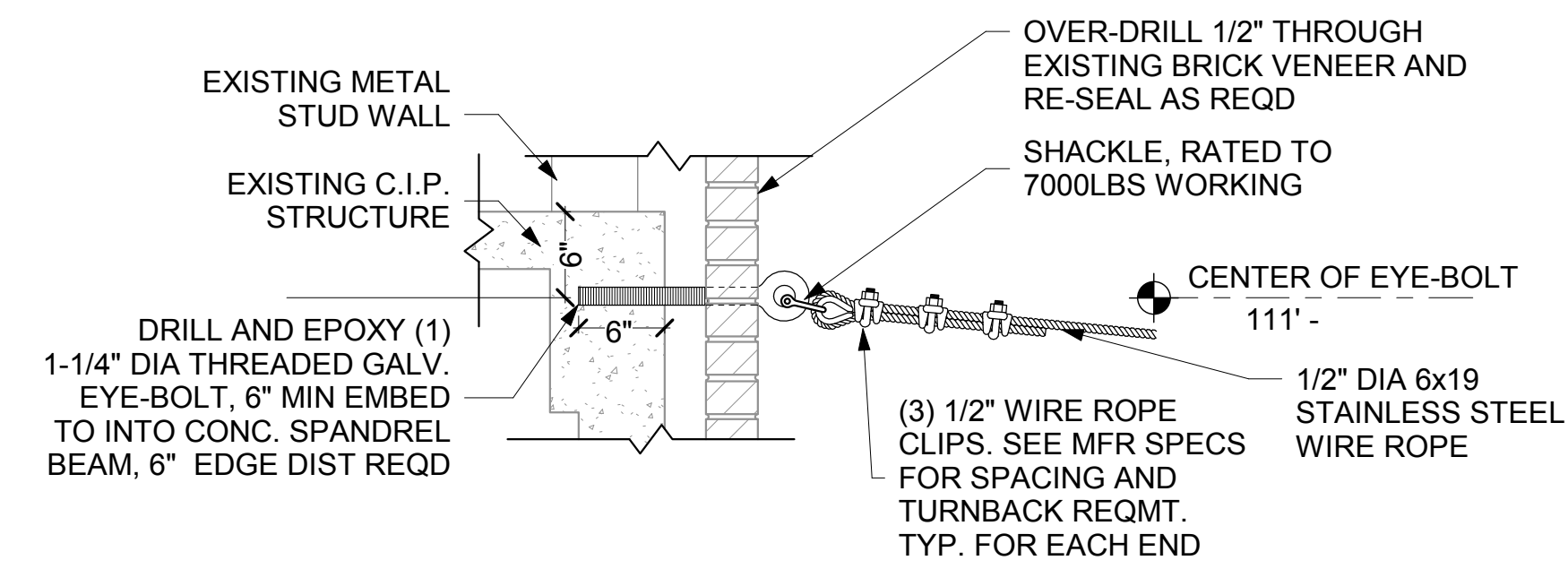
Project Number
660-16-125
Building Number

Drawing Number
S502

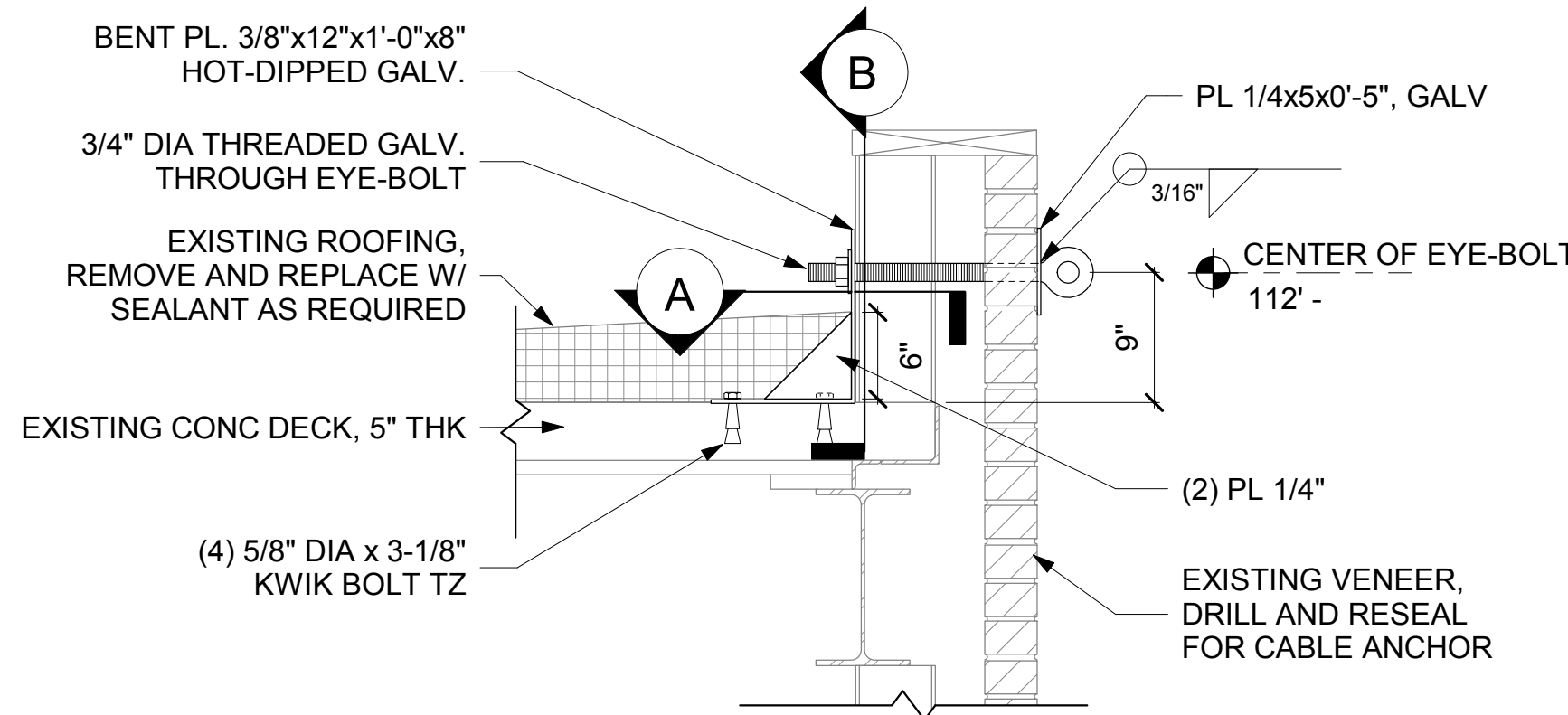
- SUNSHADE NOTES:
- SUNSHADE IS NOT INTENDED TO SUPPORT LOCAL SNOW LOADS. RETRACT OR TAKE DOWN SHADE CANOPY DURING WINTER MONTHS.
 - MAX SUNSHADE WIDTH = 6' - 6". MAX SUNSHADE LENGTH = 40' - 0". IF SUNSHADE DIMS EXCEED THESE VALUES, CONTACT THIS OFFICE FOR RECOMMENDATION PRIOR TO INSTALLATION.
 - MAX SUNSHADE DEADLOAD SUPPORTED BY CABLES = 350LBS. IF WEIGHT EXCEEDS THIS VALUE CONTACT THIS OFFICE FOR RECOMMENDATION PRIOR TO INSTALLATION.



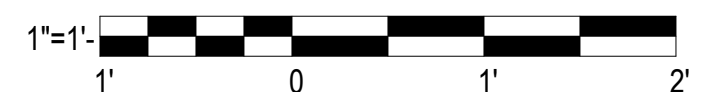
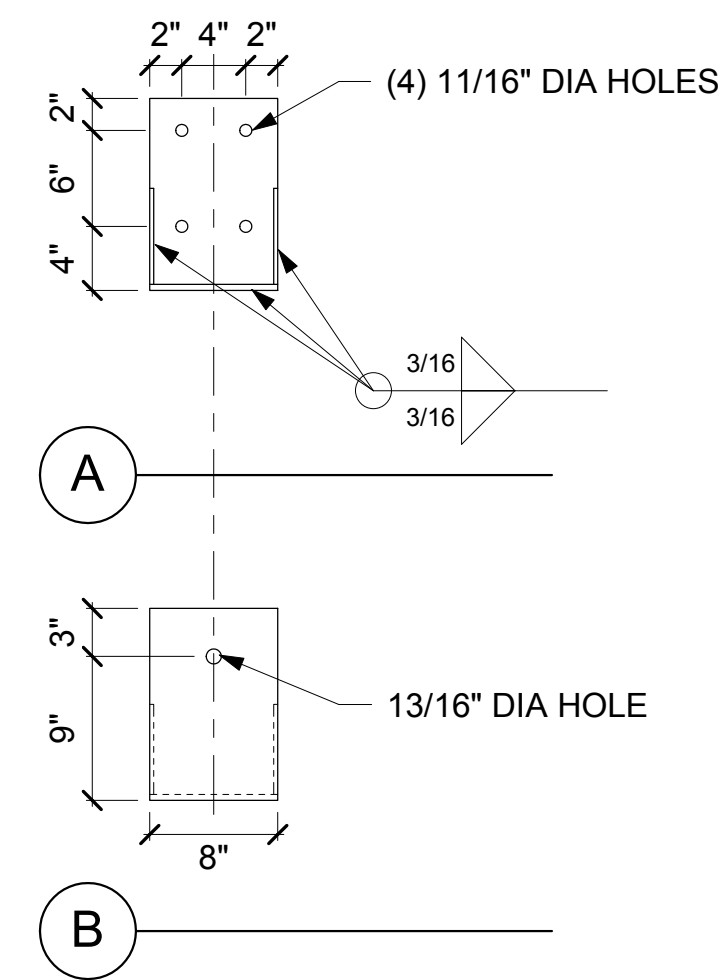
1 CABLE ELEVATION
S503 SCALE: 1/4" = 1'-0"



2 CABLE ATTACHMENT BOLT AT SPANDREL BEAM
S503 SCALE: 1" = 1'-0"



3 CABLE ATTACHMENT BRACKET AT PARAPET
S503 SCALE: 1" = 1'-0"



Revisions:	Date:

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Consultant:

ARCHITECT/ENGINEER OF RECORD
A/E:
TRACY STOCKING & ASSOC.
VCI
AES GROUP

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
SUN SHADE DETAILS
Approved:

Phase

Project Title
BUILDING 3 COURTYARD RENOVAITON
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VAMC - SALT LAKE CITY, UTAH
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Project Number
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3
Drawing Number
S503