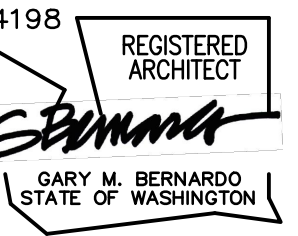


WEST RICHLAND BRANCH REMODEL MID-COLUMBIA LIBRARIES



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West Richland Branch Remodel
Mid-Columbia Libraries
West Richland, WA
COVER SHEET

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Project No: 17-226
Drawn by: CKS
Date: SEPT. 28, 2018

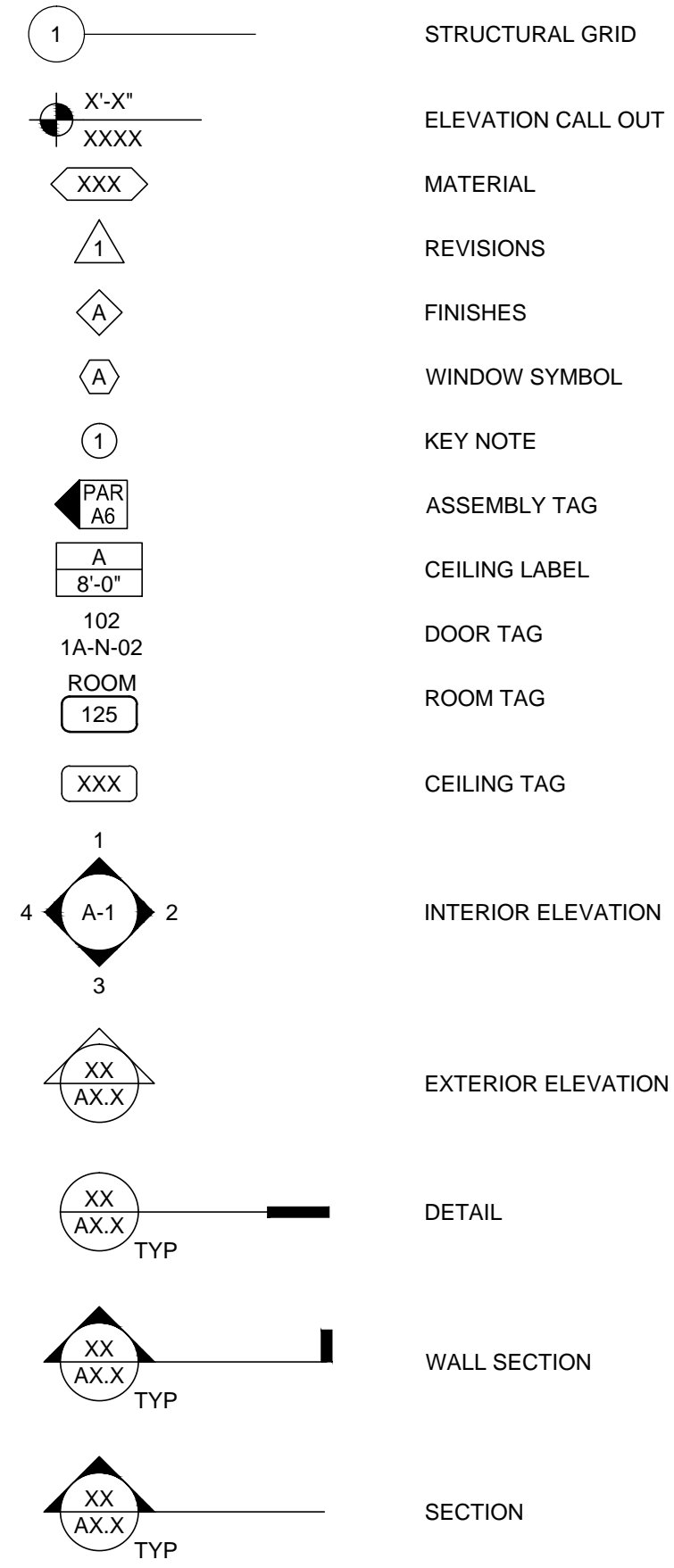
G0.1

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Abbreviations:

&	AND	HDWD.	HARDWOOD
∠	ANGLE	HDWR.	HARDWARE
⊕	AT CENTERLINE	H.M.	HOLLOW METAL
∅	DIAMETER OR ROUND	HORIZ.	HORIZONTAL
⊥	PERPENDICULAR	HR.	HOUR
#	POUND OR NUMBER	HT.	HEIGHT
A.B.	ANCHOR BOLT	IBC	INTERNATIONAL BUILDING CODE
ABV.	ABOVE	INST.	INSTALLATION
AC.B.	ACOUSTICAL BOARD	INSUL.	INSULATION
ACOUS.	ACOUSTICAL	INT.	INTERIOR
A.F.F.	ABOVE FINISH FLOOR	LAM.	LAMINATED
AGGR.	AGGREGATE	LB.	POUND
ALUM.	ALUMINUM	LOC.	LOCATION
ANOD.	ANODIZED	MAT.	MATERIAL
APPROX.	APPROXIMATE	MAX.	MAXIMUM
ARCH.	ARCHITECTURAL	MECH.	MECHANICAL
ASPH.	ASPHALT	MFR.	MANUFACTURER
BD.	BOARD	M.H.	MANHOLE
BLDG.	BUILDING	MIN.	MINIMUM
BLK.	BLOCK	MISC.	MISCELLANEOUS
BLK'G.	BLOCKING	MTD.	MOUNTED
BM	BEAM	MTL.	METAL
B.U.R.	BUILT UP ROOF		
CAB.	CABINET	N	NORTH
C.B.	CATCH BASIN	N.I.C.	NOT IN CONTRACT
CEM	CEMENT	NO.	NUMBER
CH	CHANNEL	N.T.S.	NO TO SCALE
C.J.	CONTROL JOINT		
CLG.	CEILING	O.C.	ON CENTER
CLR.	CLEAR	O/	OVER
C.O.	CLEAN OUT	OH.	OPPOSITE HAND
COL.	COLUMN		
CONC.	CONCRETE	PL.	PLATE
CONN.	CONNECTION	PLYWD.	PLYWOOD
CONSTR.	CONSTRUCTION	P.P.	POWER POLE
CONT.	CONTINUE	P.T.	PRESSURE TREATED
C.T.	CERAMIC TILE		
CTR.	COUNTER	R.	RADIUS OR RISER
CT.SK.	COUNTER SUNK	R.C.P.	REFLECTED CEILING PLAN
DBL.	DOUBLE	R.D.	ROOF DRAIN
DEPT.	DEPARTMENT	REC.	RECOMMENDED
DET.	DETAIL	REF.	REFERENCE
DIA.	DIAMETER	REINF.	REINFORCED
DIM.	DIMENSION	REQ'D.	REQUIRED
DN	DOWN	RM.	ROOM
DR.	DOOR	S	SOUTH
D.S.	DOWNSPOUT	S.C.	SOLID CORE
DWG.	DRAWING	SCHED.	SCHEDULE
E	EAST	SHT.	SHEET
EA.	EACH	SHTG.	SHEATHING
E.I.F.S.	EXT. INSUL. & FINISH SYSTEM	SIM	SIMILAR
EL.	ELEVATION	SPEC.	SPECIFICATION
ELEC.	ELECTRICAL	SQ.	SQUARE
ELEV.	ELEVATOR	STD.	STANDARD
ENCL.	ENCLOSURE	STL.	STEEL
E.P.	ELECTRICAL PANEL	STOR.	STORAGE
EQ.	EQUAL	STRUCT.	STRUCTURAL
EQP.	EQUIPMENT	SUSP.	SUSPENDED
EXIST.	EXISTING	S & V	STAIN & VARNISH
EXPO.	EXPOSED	SVC.	SERVICE
EXT.	EXTERIOR	S.W.	SIDEWALK
		SYM.	SYMMETRICAL
F.D.	FLOOR DRAIN	T.	TREAD
F.E.	FIRE EXTINGUISHER	T.C.	TOP OF CURB
F.H.	FIRE HYDRANT	TEL.	TELEPHONE
FIN.	FINISH	T & G	TONGUE & GROVE
FLASH.	FLASHING	THK.	THICK
FLR.	FLOOR	T.O.P.	TOP OF PLATE
FLUOR.	FLUORESCENT	T.P.	TOP OF PAVEMENT
FOUND.	FOUNDATION	T.W.	TOP OF WALL
FRMG.	FRAMING	TYP.	TYPICAL
FT.	FOOT OR FEET	UNF.	UNFINISHED
FTG.	FOOTING	U.O.N.	UNLESS OTHERWISE NOTED
FURR.	FURRING		
GA.	GAUGE	VERT.	VERTICAL
G.C.	GENERAL CONSTRUCTION	V.I.F.	VERIFY IN FIELD
GL	GLASS		
GND.	GROUND	W	WEST
GP.	GROUP	W/	WITH
GR.	GRADE	WD.	WOOD
GV.	GALVANIZED	WDW.	WINDOW
GYP.	GYPSUM	W/O	WITHOUT
		W.P.	WATERPROOF
H.C.	HOLLOW CORE	W.R.	WATER RESISTANT
H.B.	HOSE BIB	WRB	WEATHER RESISTANT BARRIER
HDCP.	HANDICAP	WSCT.	WAINSCOT
		WT.	WEIGHT

Symbols:



General Project Notes:

- THE SCOPE OF WORK SHALL BE DETERMINED BY ALL CONSTRUCTION DOCUMENTS, PERMIT DOCUMENTS AND CONTRACTS NEGOTIATED WITH THE OWNER.
- DRAWINGS AND ASSOCIATED CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE PENDING PERMIT REVIEW BY GOVERNING MUNICIPALITY.
- ALL CONSTRUCTION SHALL BE CONSTRUCTED FROM APPROVED PERMIT DRAWINGS ISSUED BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION. DOCUMENTS IDENTIFIED "PRELIMINARY", "WORK IN PROGRESS", "NOT FOR CONSTRUCTION", "BUILDING DEPARTMENT REVIEW SET", AND "BID SET" SHALL NOT BE USED FOR CONSTRUCTION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES LISTED IN THE BUILDING CODE SUMMARY AS WELL AS ALL RULES AND REGULATIONS SET FORTH BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR FOR THE DURATION OF CONSTRUCTION TO MAINTAIN THE CONSTRUCTION SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL HEALTH AND SAFETY STANDARDS AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL INFORMATION ON THE CONSTRUCTION DOCUMENTS, PERMIT DOCUMENTS, CHANGE ORDERS, AND SUPPLEMENTAL INFORMATION TO ALL SUBCONTRACTORS AND TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL WORK FULLY COORDINATE WITH OTHER PARTIES THE INSTALLATION REQUIREMENTS OF ALL ITEMS OR MATERIALS TO BE FURNISHED AND/OR INSTALLED BY OTHERS PRIOR TO INSTALLATION.
- ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, SPECIFICATIONS, AND GENERAL CONSTRUCTION PRACTICES.
- ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE AND TRUE, UNLESS NOTED OTHERWISE.
- FURNISH AND INSTALL BLOCKING OR BACKING FOR WALL OR CEILING MOUNTED MATERIALS IN FULL ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR REQUIREMENTS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTION APPROVALS FOR SUBSTANTIAL COMPLETION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AFFECTING THE WORK PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED OF EXISTING CONDITIONS DIFFER FROM THE CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, WORKING, BRACING SAFETY AND INSURANCE IN CONNECTION WITH ALL WORK. ALL NECESSARY TEMPORARY CONSTRUCTION REQUIRED TO COMPLETE THE PROJECT SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE.
- REPETITIVE FEATURE(S) NOT NOTED ON THE DRAWINGS SHALL BE COMPLETELY FURNISHED AND INSTALLED AS IF NOTED IN FULL.
- ALL DIMENSIONS ARE TO CENTER LINE OF STUD OR GRID LINE UNLESS NOTED OTHERWISE.
- DIMENSIONS IDENTIFIED "CLEAR" OR "CLR" SHALL BE MAINTAINED AND SHALL ACCOMMODATE FOR THICKNESS OF ALL FINISHES INCLUDING CARPET, CERAMIC TILE, VCT, GYPSUM BOARD, ETC.
- GRID LINES INDICATE THE CENTER OF PRIMARY COLUMNS OR FACE OF CORE WALL ASSEMBLY U.N.O. SEE STRUCTURAL DRAWINGS FOR EXACT LOCATION & SIZE OF INDIVIDUAL COLUMNS.
- ALL WALLS ARE TO INTERSECT AT 45° OR 90° U.N.O.
- MECHANICAL AND ELECTRICAL INFORMATION SHOWN ON ARCHITECTURAL DRAWINGS IS PROVIDED FOR CLARITY AND/OR GENERAL LOCATION PURPOSES ONLY. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- ALL INTERRUPTIONS OF MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR TENANT A MINIMUM OF 24 HOURS PRIOR TO INTERRUPTION.
- ROOM AND DOOR NUMBERS SHOWN ON DRAWINGS ARE FOR CONSTRUCTION PURPOSES ONLY.
- ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR EARTH SHALL BE PRESERVATIVE TREATED WOOD.
- DOORS JAMBS ARE LOCATED 3" OFF OF ADJACENT WALL U.O.N.
- ALL MATERIALS STORED ON THE SITE, EXISTING CONSTRUCTION AND FINISHED CONSTRUCTION SHALL BE PROTECTED FROM WEATHER, VANDALISM, AND OTHER CONSTRUCTION ACTIVITIES TO PREVENT DAMAGE AND DETERIORATION UNTIL SUBSTANTIAL COMPLETION. FAILURE TO PROTECT MAY BE CAUSE FOR REJECTION OF WORK.
- ANY BRAND NAMES OR MANUFACTURERS SHOWN IN THE DRAWINGS REPRESENT THE BASIS OF DESIGN AND THE STANDARD OF QUALITY. APPROVED EQUALS WILL BE ACCEPTED UPON REVIEW AND APPROVAL OF THE ARCHITECT OR OWNER.

Energy Code Compliance Notes

- DESIGN BUILD AIR BARRIER AND TESTING
 - THE CONTRACTOR SHALL PROVIDE A COMPLETE AND CONTINUOUS AIR BARRIER SYSTEM THROUGHOUT THE BUILDING THERMAL ENVELOPE COMPLYING WITH THE REQUIREMENTS OF WAC 51-11C C402.4. THE AIR BARRIER SYSTEM WILL INCLUDE SEALING JOINTS, SEAMS, TRANSITIONS, PENETRATIONS, FLASHINGS, AND OTHER COMPONENTS NECESSARY TO COMPLY WITH THE AIR LEAKAGE STANDARDS OF THE CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES, SYSTEMS, MATERIALS, JOINTS AND CONNECTIONS TO PROVIDE AND MAINTAIN THE BARRIER SYSTEM.
 - THE COMPLETED BUILDING SHALL BE TESTED AND THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT² AT A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER GAUGE (2.0 L/S · M² AT 75 PA) IN ACCORDANCE WITH ASTM E 779 OR AN EQUIVALENT METHOD APPROVED BY THE CODE OFFICIAL. A REPORT THAT INCLUDES THE TESTED SURFACE AREA, FLOOR AREA, AIR BY VOLUME, STORES ABOVE GRADE, AND LEAKAGE RATES SHALL BE SUBMITTED TO THE BUILDING OWNER AND THE CODE OFFICIAL. IF THE TESTED RATE EXCEEDS THAT DEFINED BY THE CODE, A VISUAL INSPECTION OF THE AIR BARRIER SHALL BE CONDUCTED AND ANY LEAKS NOTED SHALL BE SEALED TO THE EXTENT PRACTICABLE. AN ADDITIONAL REPORT IDENTIFYING THE CORRECTIVE ACTIONS TAKEN TO SEAL AIR LEAKS SHALL BE SUBMITTED TO THE BUILDING OWNER AND THE CODE OFFICIAL AND ANY FURTHER REQUIREMENT TO MEET THE LEAKAGE AIR RATE WILL BE WAIVED IN ACCORDANCE WITH THE CODE.
- INSPECTIONS PURSUANT TO WAC 51-10C

CONSTRUCTION OR WORK FOR WHICH A PERMIT IS REQUIRED SHALL BE SUBJECT TO INSPECTION BY THE CODE OFFICIAL FOR COMPLIANCE WITH THE APPLICABLE SECTIONS OF THE CODE. WORK SHALL NOT BE DONE BEYOND THE POINT INDICATED IN EACH SUCCESSIVE INSPECTION WITHOUT FIRST OBTAINING THE APPROVAL OF THE CODE OFFICIAL. WHERE APPLICABLE, INSPECTIONS SHALL INCLUDE AT LEAST:

 - ENVELOPE
 - WALL INSULATION INSPECTION: TO BE MADE AFTER ALL WALL INSULATION AND AIR VAPOR RETARDER SHEET OR FILM MATERIALS ARE IN PLACE, BUT BEFORE ANY WALL COVERING IS PLACED.
 - GLAZING INSPECTION: TO BE MADE AFTER GLAZING MATERIALS ARE INSTALLED IN THE BUILDING.
 - EXTERIOR ROOFING INSULATION: TO BE MADE AFTER THE INSTALLATION OF THE ROOF INSULATION, BUT BEFORE CONCEALMENT.
 - SLAB/FLOOR INSULATION: TO BE MADE AFTER THE INSTALLATION OF THE SLAB/FLOOR INSULATION, BUT BEFORE CONCEALMENT.
 - MECHANICAL
 - MECHANICAL EQUIPMENT EFFICIENCY AND ECONOMIZER: TO BE MADE AFTER ALL EQUIPMENT AND CONTROLS REQUIRED BY THE CODE ARE INSTALLED AND PRIOR TO THE CONCEALMENT OF SUCH EQUIPMENT OR CONTROLS.
 - MECHANICAL PIPE AND DUCT INSULATION: TO BE MADE AFTER ALL PIPE AND DUCT INSULATION IS IN PLACE, BUT BEFORE CONCEALMENT.
 - LIGHTING AND MOTORS
 - LIGHTING EQUIPMENT AND CONTROLS: TO BE MADE AFTER THE INSTALLATION OF ALL LIGHTING EQUIPMENT AND CONTROLS REQUIRED BY THE CODE, BUT BEFORE CONCEALMENT OF THE LIGHTING EQUIPMENT.
 - MOTOR INSPECTIONS: TO BE MADE AFTER INSTALLATION OF ALL EQUIPMENT COVERED BY THIS CODE, BUT BEFORE CONCEALMENT.

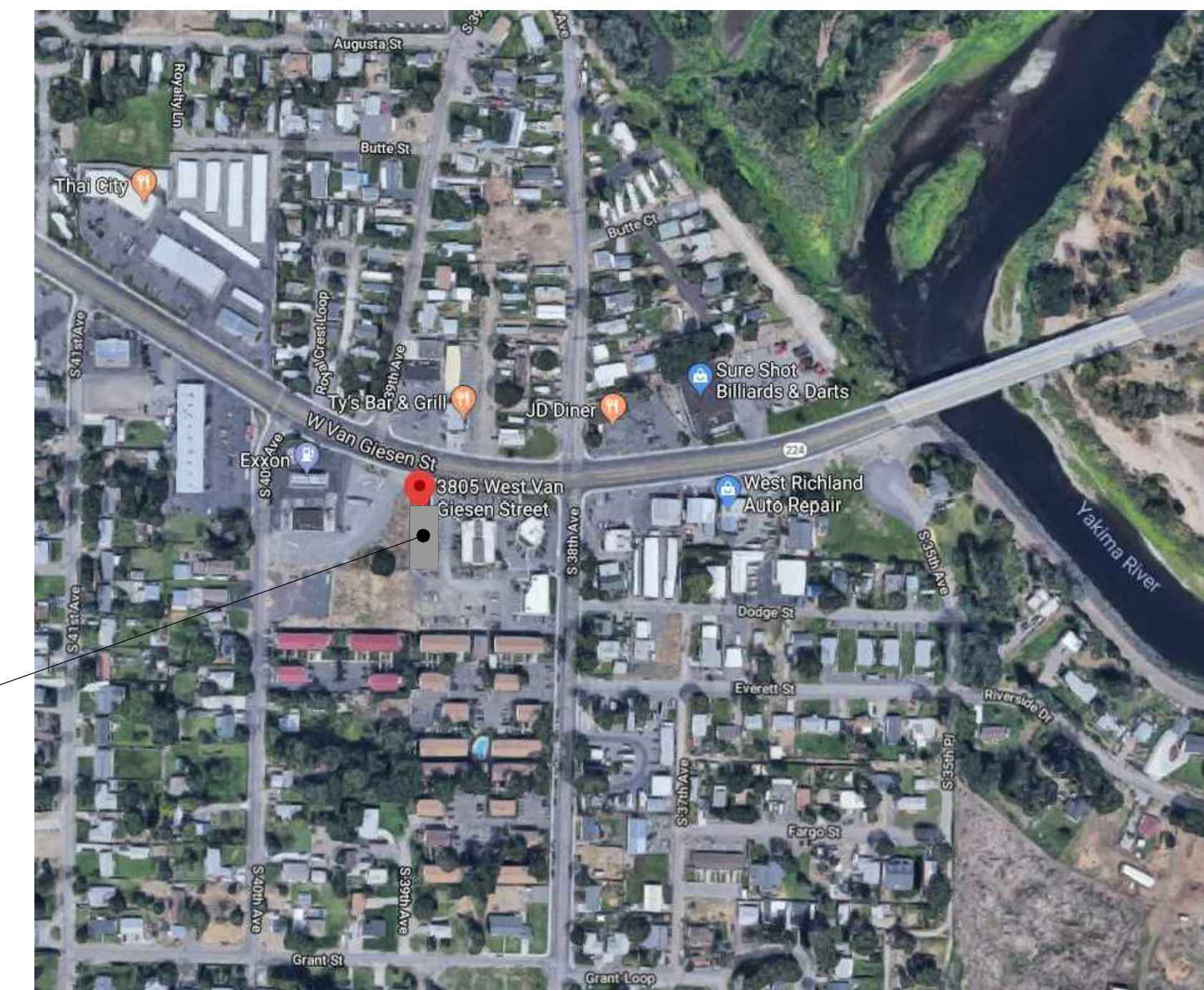
THE CODE OFFICIAL IS AUTHORIZED BY SECTION C104.5 TO ACCEPT REPORTS OF APPROVED INSPECTION AGENCIES, PROVIDED SUCH AGENCIES SATISFY THE REQUIREMENTS AS TO QUALIFICATIONS AND RELIABILITY.

IT SHALL BE THE DUTY OF THE PERMIT HOLDER OR THEIR DULY AUTHORIZED AGENT TO NOTIFY THE CODE OFFICIAL OR APPROVED INSPECTION AGENCY WHEN WORK IS READY FOR INSPECTION. IT SHALL BE THE DUTY OF THE PERMIT HOLDER TO PROVIDE ACCESS TO AND MEANS FOR INSPECTIONS OF SUCH WORK THAT ARE REQUIRED BY THE CODE.

Project Bid Alternates:

- Alternate: An amount proposed by Bidders and stated on the Bid Form for certain defined work that may be Added to or Deducted from the Base Bid amount. Refer to other portions of the document package for additional information / conditions regarding each Alternate.
- BID ALTERNATE #1: RESTROOM UPGRADES**
- PROVIDE NEW FIXTURES & FINISHES IN BOTH EXISTING MEN'S AND WOMEN'S RESTROOMS.
- REFER TO SHEET A4.1 FOR ADDITIONAL INFORMATION
 - BASE BID WILL LEAVE EXISTING RESTROOMS AS IS.
- BID ALTERNATE #2: NEW LIGHTING**
- REPLACE ALL EXISTING LIGHT FIXTURES WITH NEW LED FIXTURES.
- REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND SPEC.
 - BASE BID WILL INCLUDE RE-USE OF EXISTING FIXTURES & NEW TO MATCH EXISTING WHERE REQUIRED.

Vicinity Map:



PROJECT LOCATION



Project Team:

OWNER:	MID COLUMBIA LIBRARIES 405 S. DAYTON KENNEWICK, WA 99336 CONTACT: KYLE COX PH: (509) 737-6332 kcox@midcolumbialibraries.org
ARCHITECT:	BERNARDO-WILLS ARCHITECTS 153 SOUTH JEFFERSON SPOKANE, WA 99201 CONTACT: CHUCK HORGAN PH: (509) 838-4511 chorgan@bwarch.com
INTERIOR DESIGN:	BERNARDO-WILLS ARCHITECTS 153 SOUTH JEFFERSON SPOKANE, WA 99201 CONTACT: MICHELLE WIDNER PH: (509) 838-4511 mwidner@bwarch.com
STRUCTURAL:	ECLIPSE ENGINEERING 421 WEST RIVERSIDE, SUITE 421 SPOKANE, WA 99201 CONTACT: BRIAN HANSON PH: (509) 921-7731 bhanson@eemt.com
MECHANICAL:	DUMAIS ROMANS, INC. 210 N. UNIVERSITY SPOKANE, WA 99206 CONTACT: GUY DUMAIS PH: (509) 893-9646 guy@dumaisromans.com
ELECTRICAL:	EVANS ENGINEERING & CONSULTING, LLC 1810 SCHNEIDMILLER AVE., SUITE 221 POST FALLS, ID 83854 CONTACT: DON EVANS PH: (208) 262-9908

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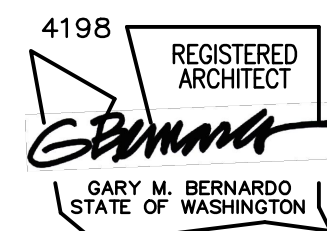
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BWA



PERMIT SET
SEPT. 28, 2018

WEST RICHLAND BRANCH REMODEL
MID-COLUMBIA LIBRARIES

3803 WEST VAN GIESEN ST.
WEST RICHLAND, WA 99353

Project No: 17-226
Drawn by: CKS
Date: SEPT 28, 2018

G0.2

GENERAL INFORMATION

Project Summary

PROJECT INFORMATION:
 PROJECT: WEST RICHLAND BRANCH REMODEL
 MID-COLUMBIA LIBRARIES
 3803 WEST VAN GIESEN ST.
 WEST RICHLAND, WA 99353

PARCEL NO.:
 PROJECT DESCRIPTION:

BUILDING CODE INFORMATION:
 BUILDING CODE(S): 2015 INTERNATIONAL BUILDING CODE (IBC),
 ICC/ANSI A117.1-2003
 2015 WASHINGTON STATE ENERGY CODE (WSEC)
 2015 UNIFORM PLUMBING CODE (UPC)
 2015 INTERNATIONAL MECHANICAL CODE CHAPTER 51-52 WAC
 2015 NATIONAL ELECTRIC CODE
 2015 INTERNATIONAL FIRE CODE (IFC) CHAPTER 51-54 WAC

BUILDING OCCUPANCY: A-3
CONSTRUCTION TYPE: VB

TABLE 503
 ALLOWABLE BUILDING HGT.: 41'-0"
 ACTUAL BUILDING HGT.: 23'-0"

BUILDING FULLY SPRINKLED: NO

PROVIDED BUILDING AREA: 6,173 SF

BUILDING OCCUPANT LOAD:
 OCCUPANT LOAD:
 LIBRARY: 4,476 SF @ 1:50 SF = 90 OCC
 OFFICE/WORK ROOMS: 640 SF @ 1:100 SF = 6 OCC
 LOBBY: 187 SF @ 1:7 SF = 26 OCC
 RESTROOMS/STOR/MECH: 427 SF @ 1:300 SF = 2 OCC
 TOTAL OCCUPANT LOAD: 6,173 SF = 124 OCC

EXITING:
 MIN. EXIT WIDTH REQ'D: 124 OCC X 0.15 = 18.6"
 EXIT WIDTH PROVIDED: 144"

OF EXITS REQ'D: 124 OCC > 49 OCC = 2 EXITS
 # OF EXITS PROVIDED: 3 EXITS

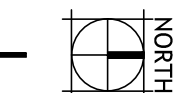
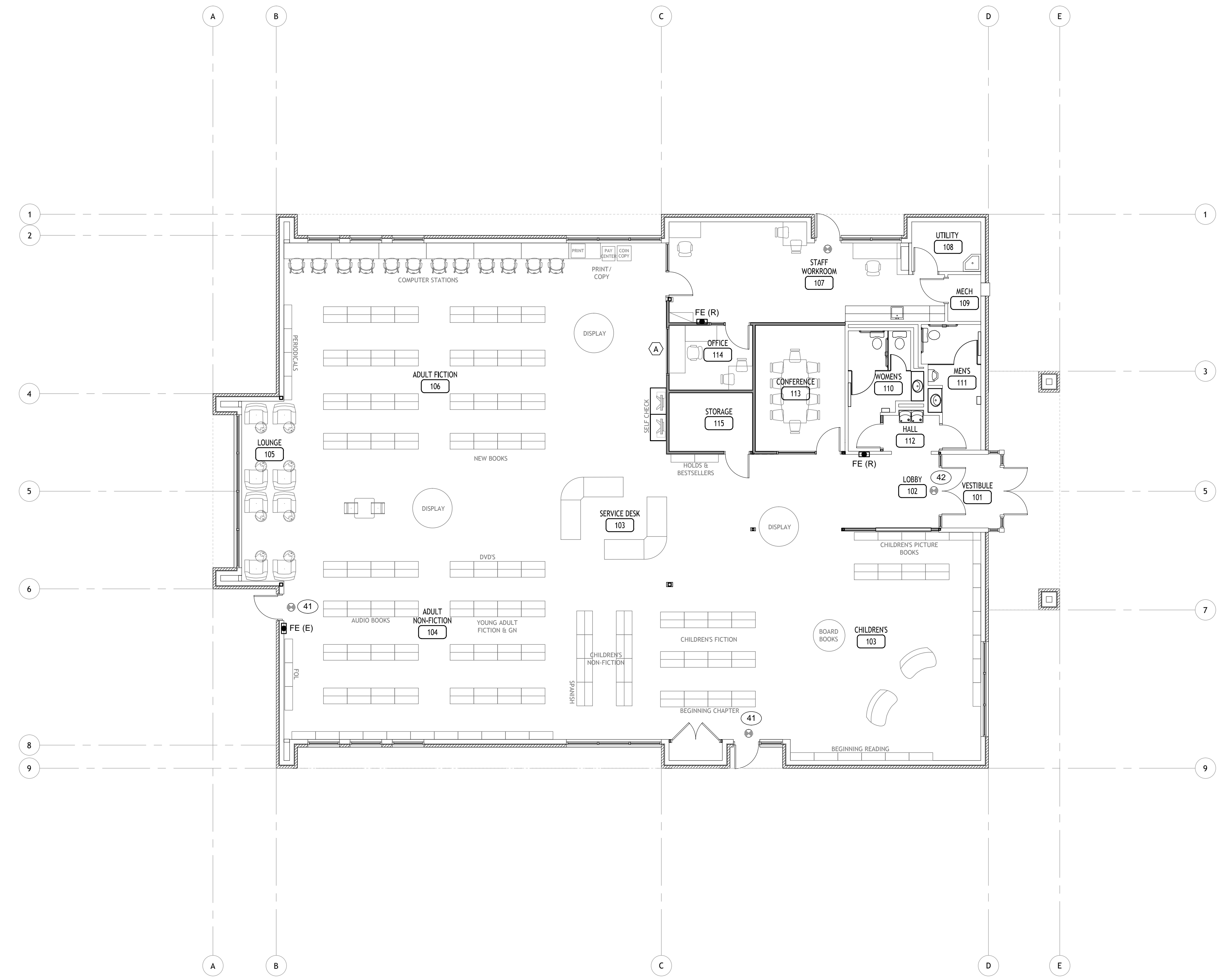
PARKING CALCS:
 LIBRARY BUILDING: 6,173 SF @ 250 SF/STALL = 25 PARKING SPACES REQUIRED
 EXISTING ADJACENT BUILDINGS: 5,165 SF @ 200 SF/STALL = 26 PARKING SPACES REQUIRED

TOTAL PARKING SPACES REQUIRED = 51
 TOTAL PARKING SPACES PROVIDED = 55 SPACES + 3 ADA = 58 TOTAL SPACES

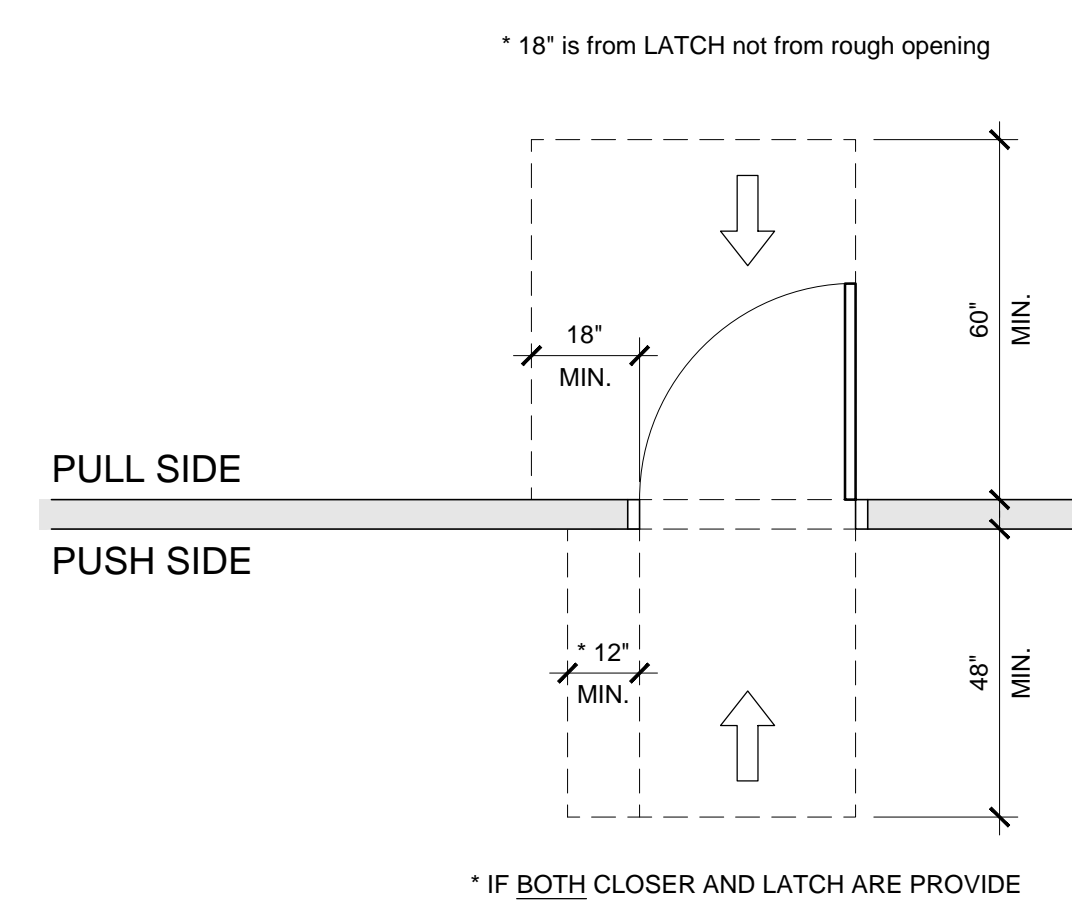
* NOTE: PARKING NOTED IS EXISTING. NO CHANGE TO PARKING OR ANY SITE WORK INCLUDED IN THIS PROJECT.

Code Plan Legend and Abbreviations

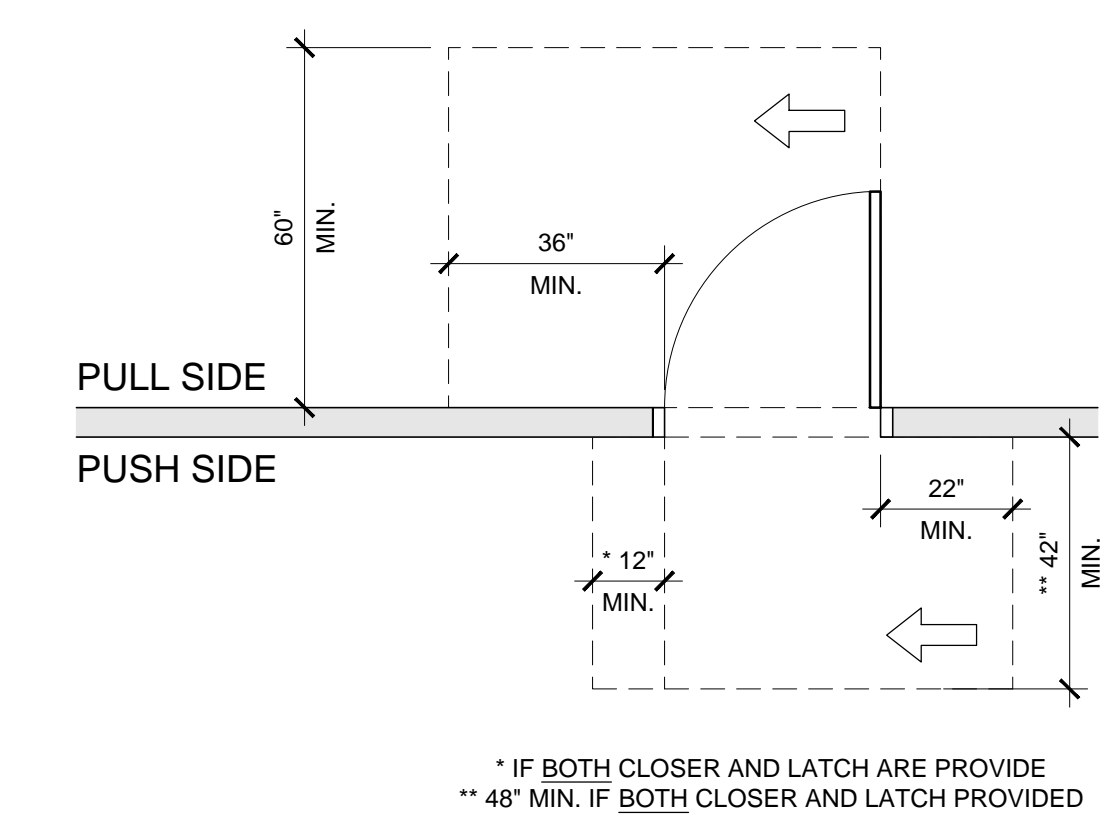
- # EXIT FROM ROOMS, UNITS. NUMBER INDICATES THE CALCULATED ACCUMULATED LOAD FROM THAT ROOM OR EXIT. A NUMBER IN PARENTHESIS INDICATES THE MAXIMUM ACCUMULATED LOAD FROM ANY STORY ABOVE.
- ## ACCUMULATED OCCUPANT LOAD FROM ROOMS OR UNITS DIRECTLY INTO CORRIDOR OR EXIT
- ## TOTAL EXIT LOADING
- ⊕ EXISTING EXIT SIGNAGE
- FE FIRE EXTINGUISHER CABINET
 (E) = EXISTING
 (R) = RELOCATED



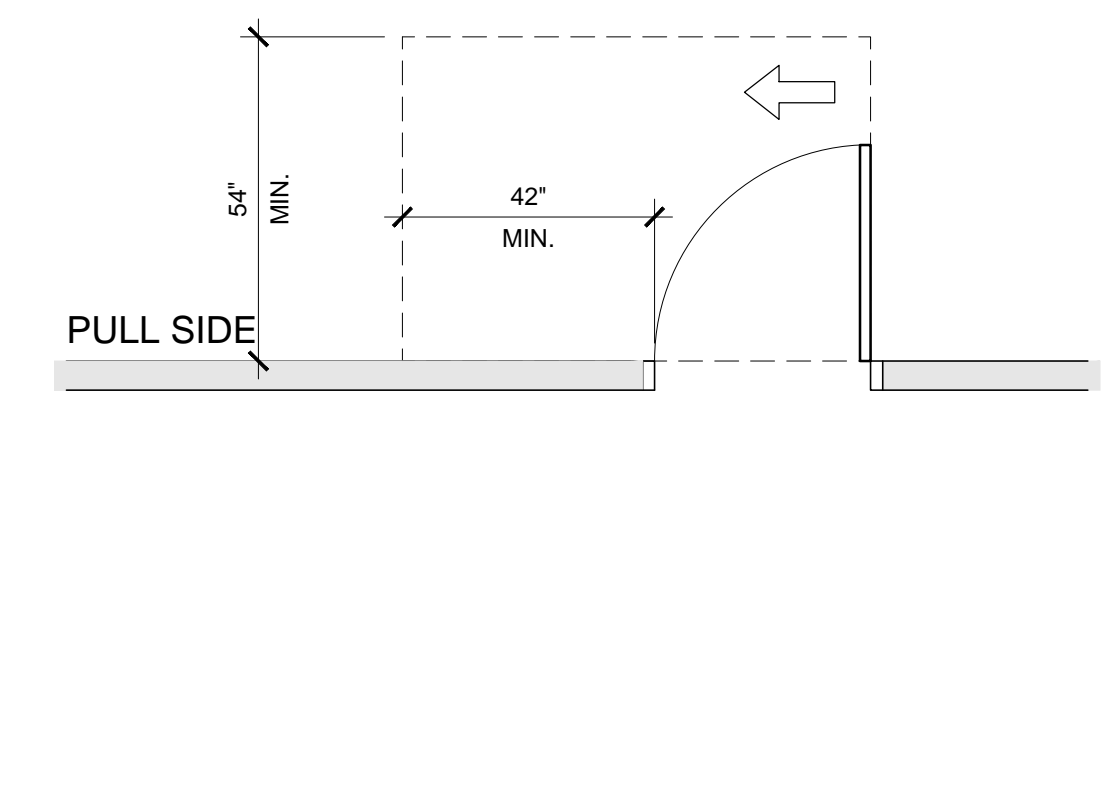
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 509.838.4511
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 Drawn by: CKS
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 G0.3



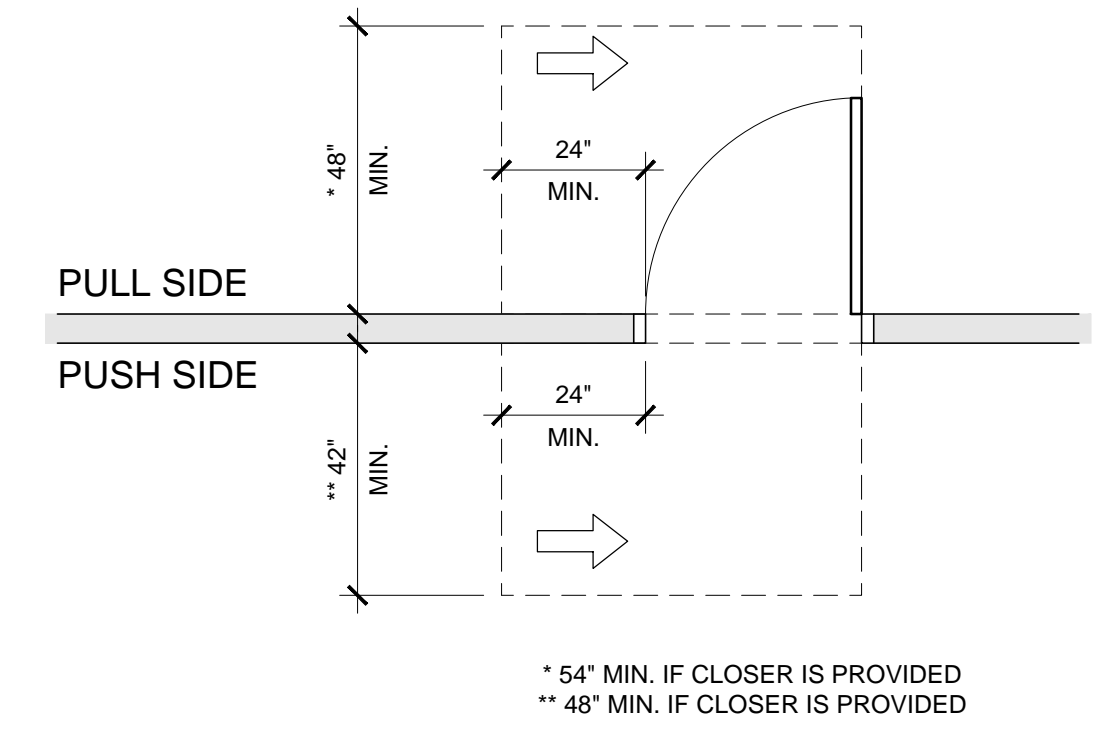
1 Front Approach
SCALE: 3/8" = 1'-0"



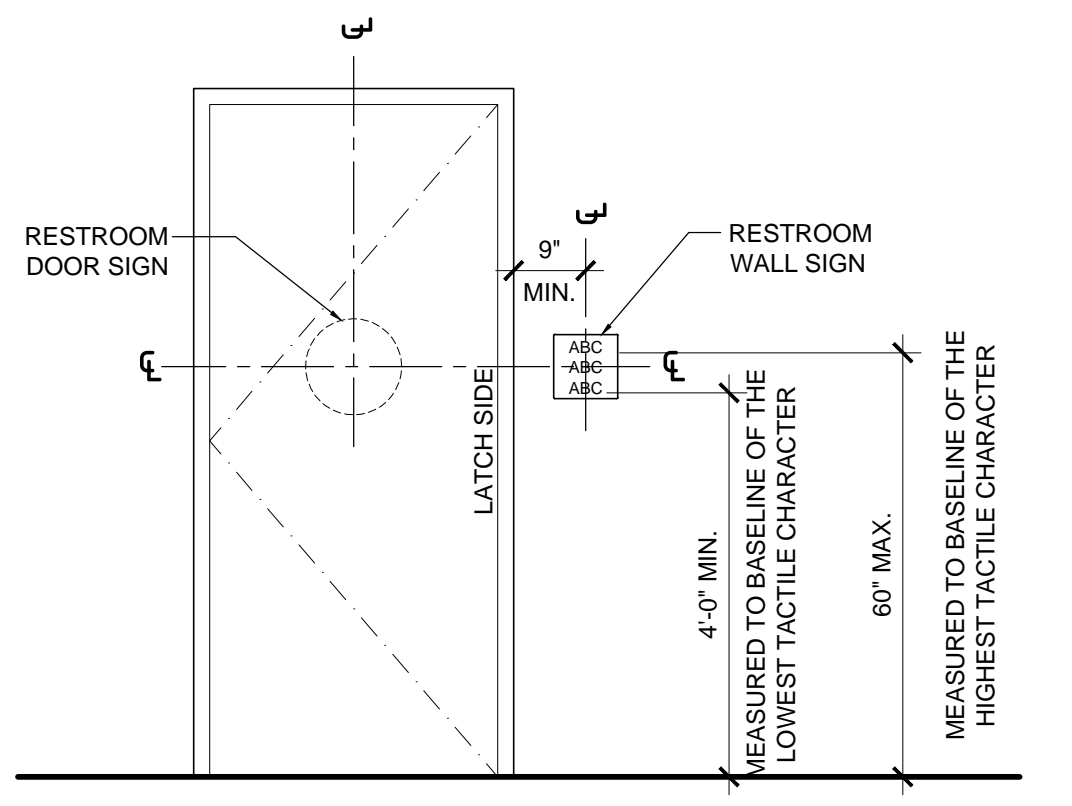
2 Hinge Side Approach
SCALE: 3/8" = 1'-0"



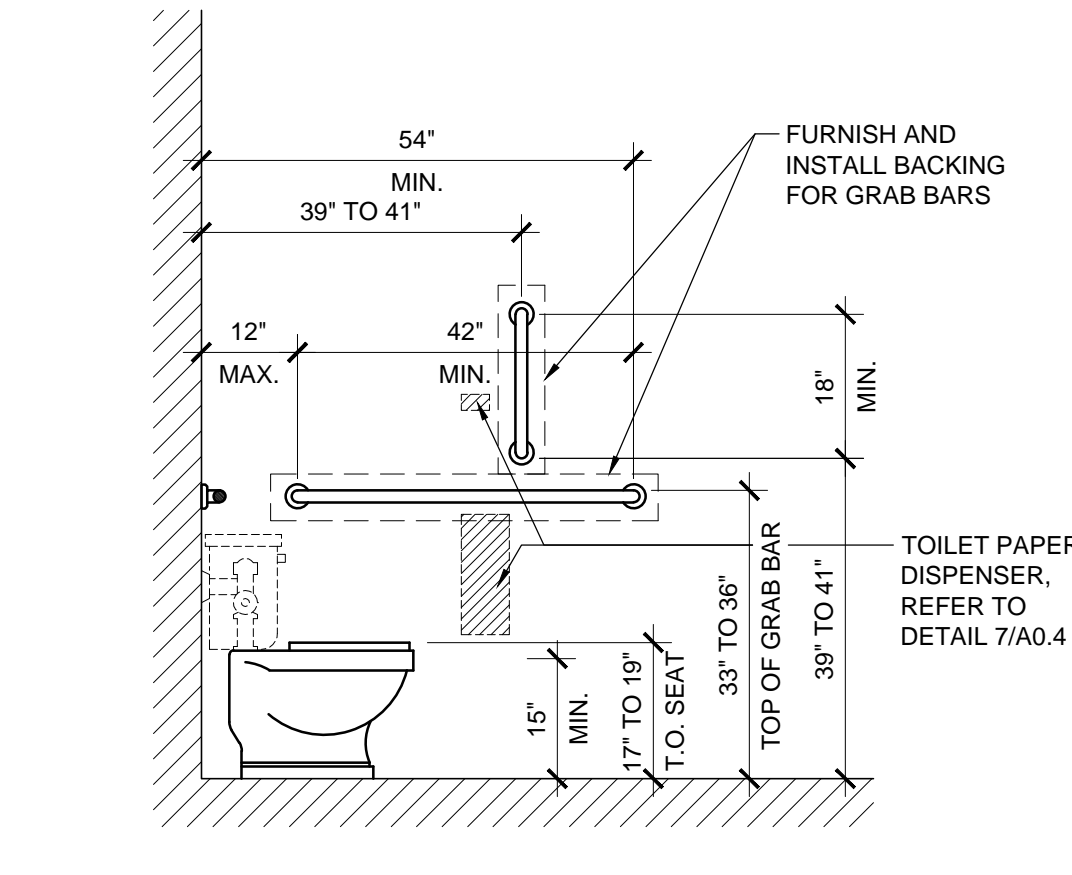
3 Alt. Hinge Side Approach (Pull Side)
SCALE: 3/8" = 1'-0"



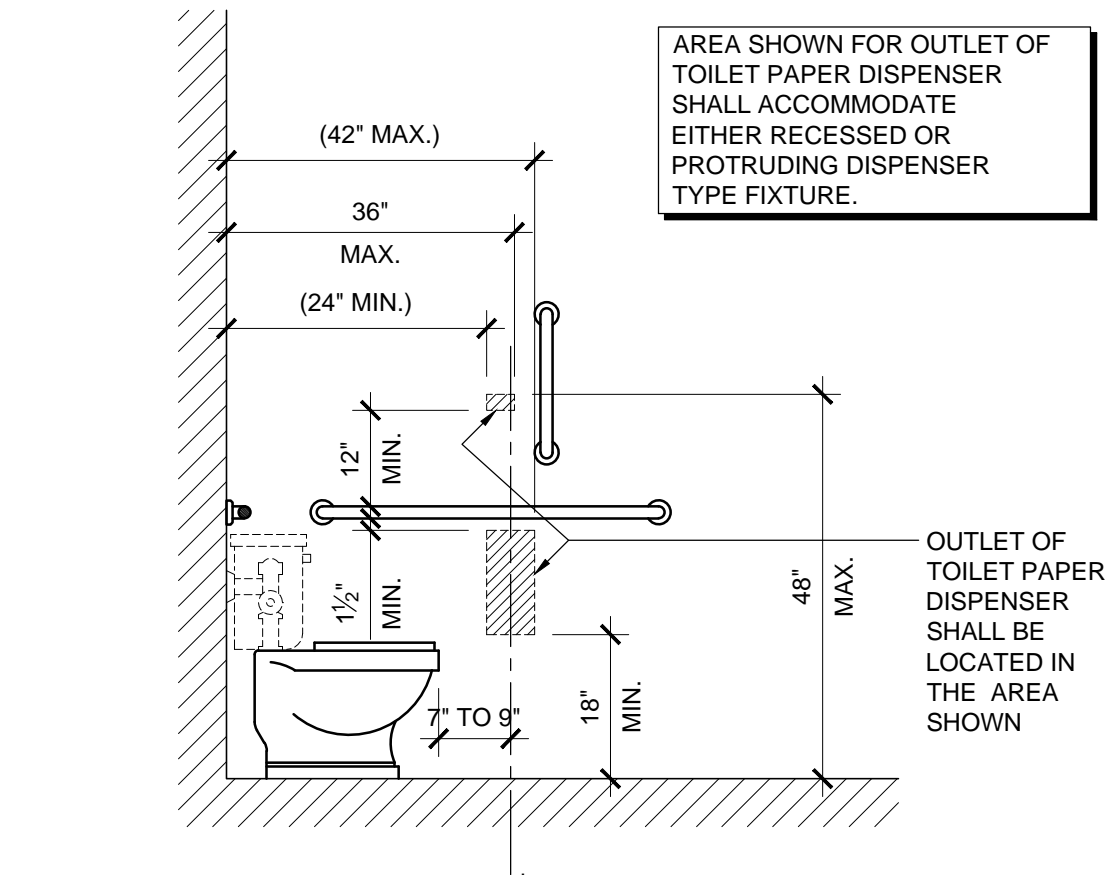
4 Latch Side Approach
SCALE: 3/8" = 1'-0"



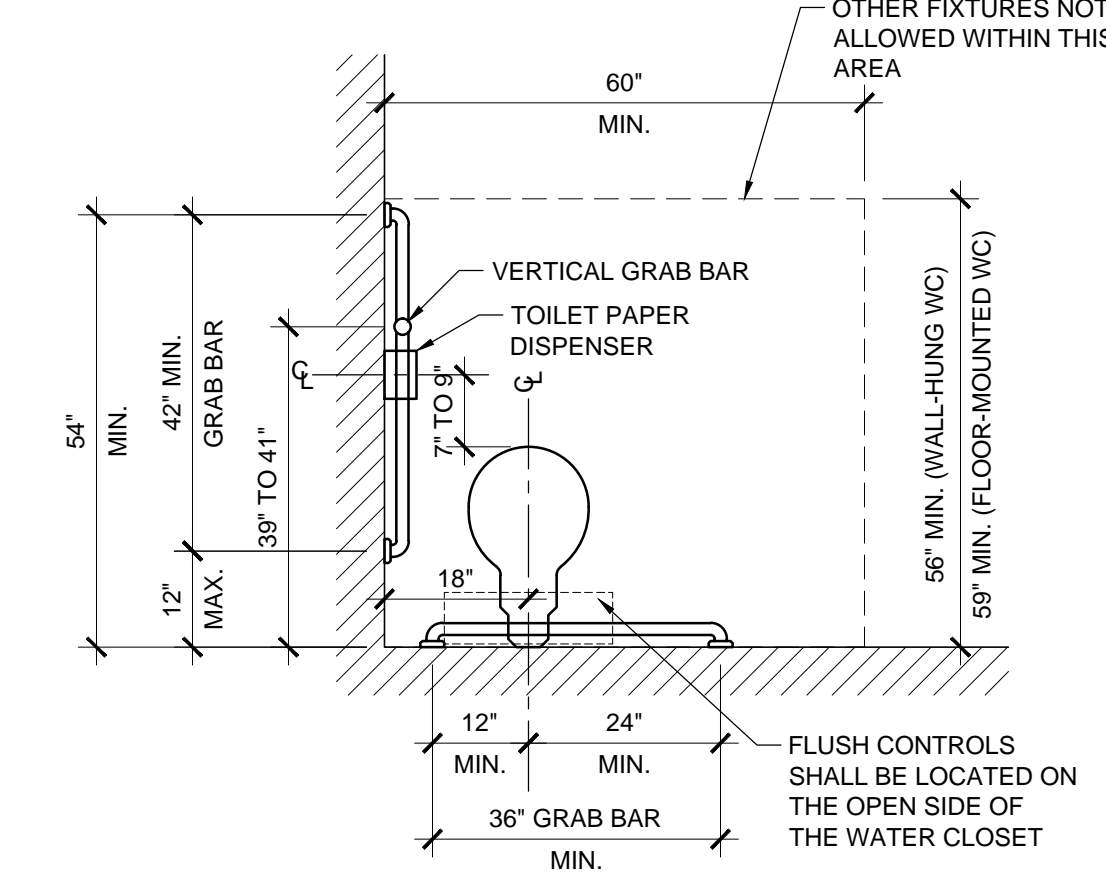
5 Accessible Restroom Door
SCALE: 1/2" = 1'-0"



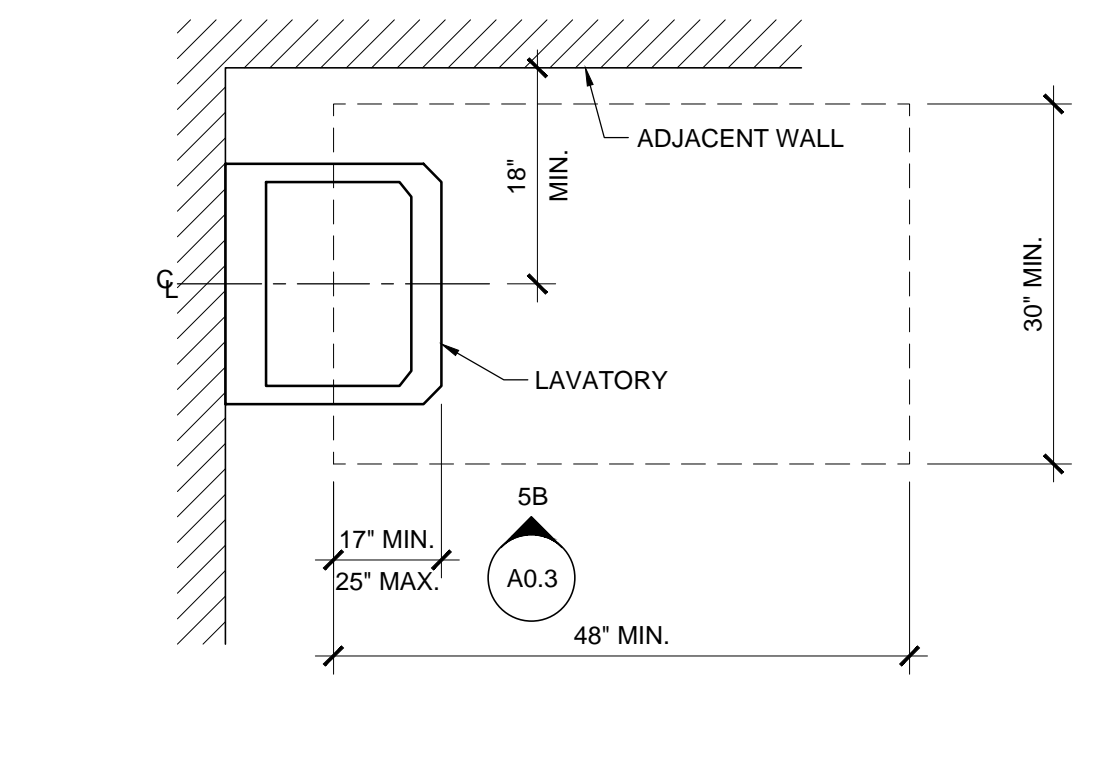
6 Accessible Toilet - Side Wall
SCALE: 1/2" = 1'-0"



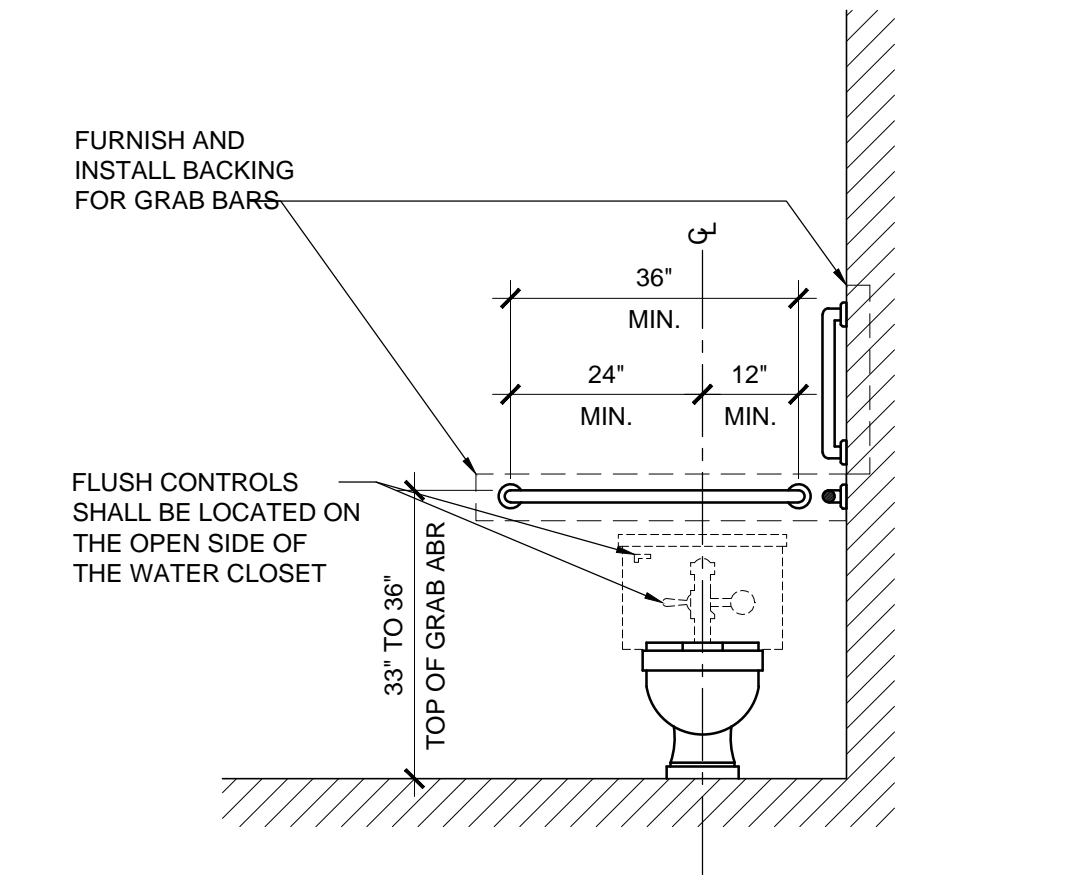
7 Accessible Toilet - Dispenser
SCALE: 1/2" = 1'-0"



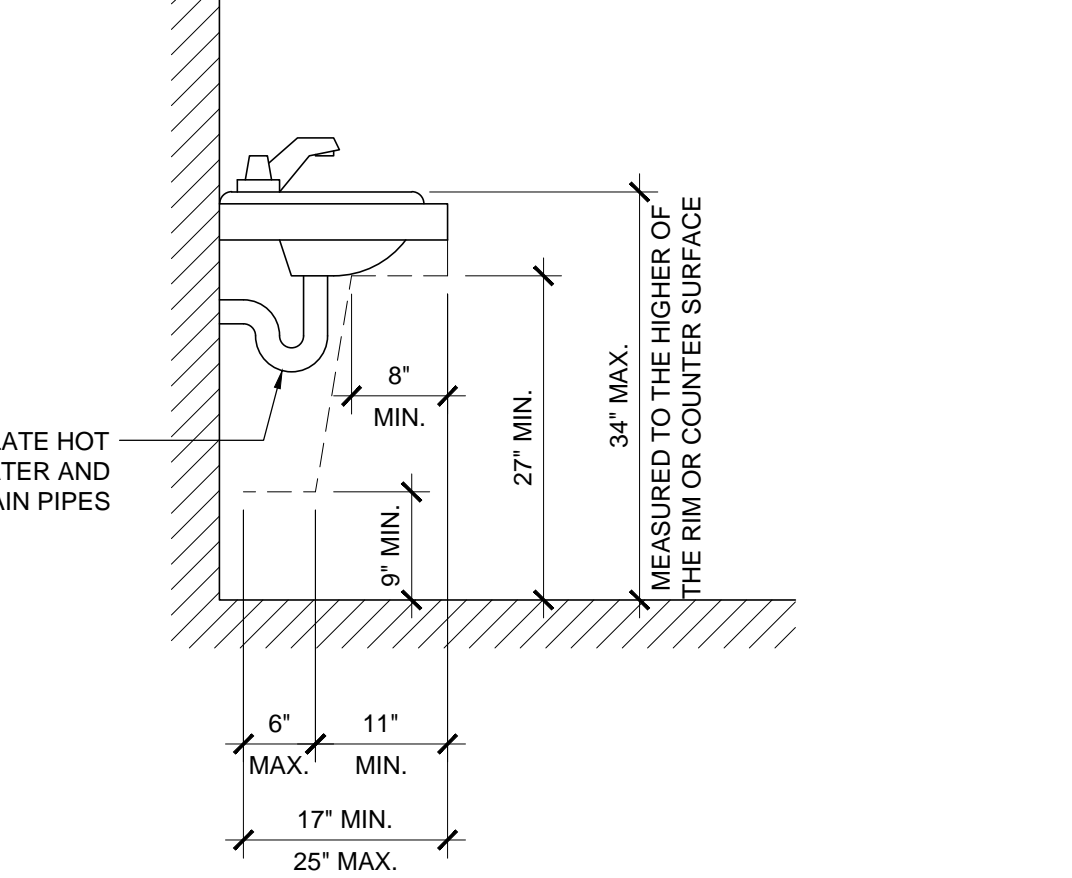
8 Accessible Toilet - Plan
SCALE: 1/2" = 1'-0"



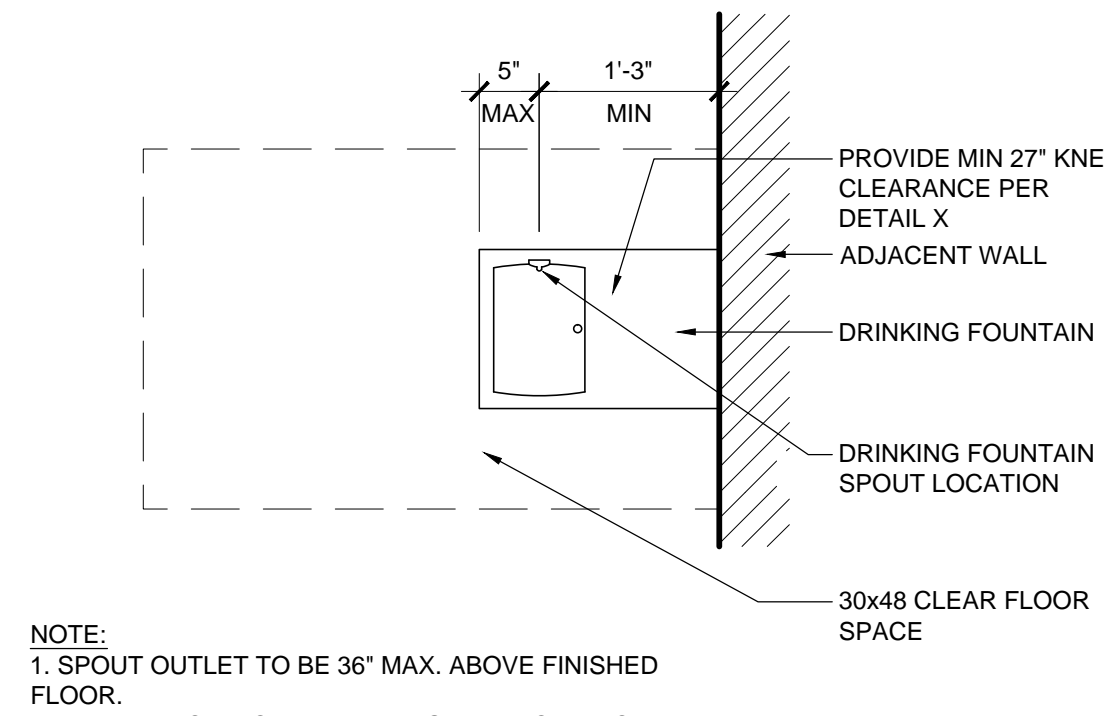
9 Accessible Lavatory - Plan
SCALE: 3/4" = 1'-0"



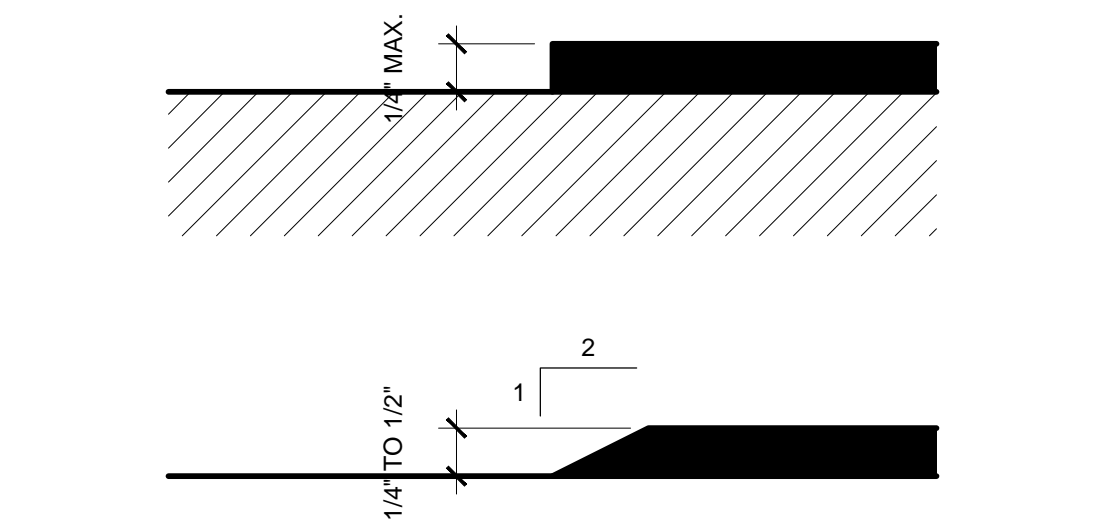
10 Accessible Toilet - Back Wall
SCALE: 1/2" = 1'-0"



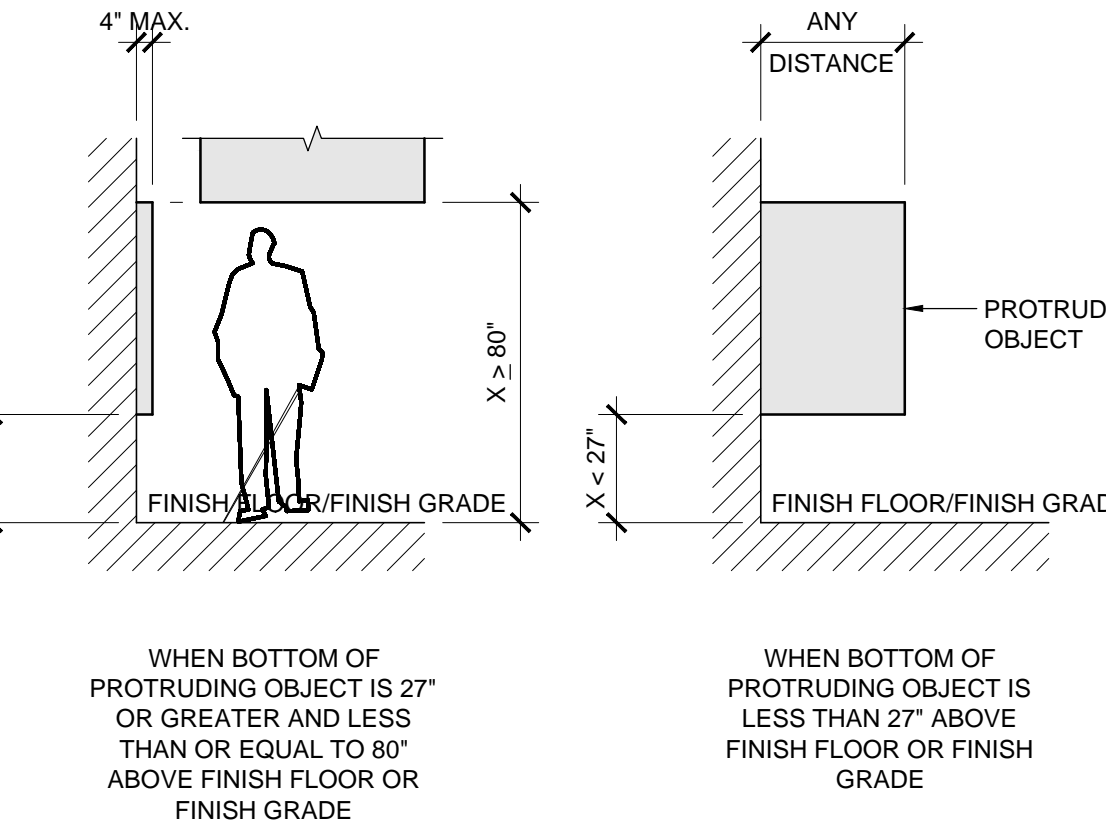
11 Accessible Lavatory - Side Elevation
SCALE: 3/4" = 1'-0"



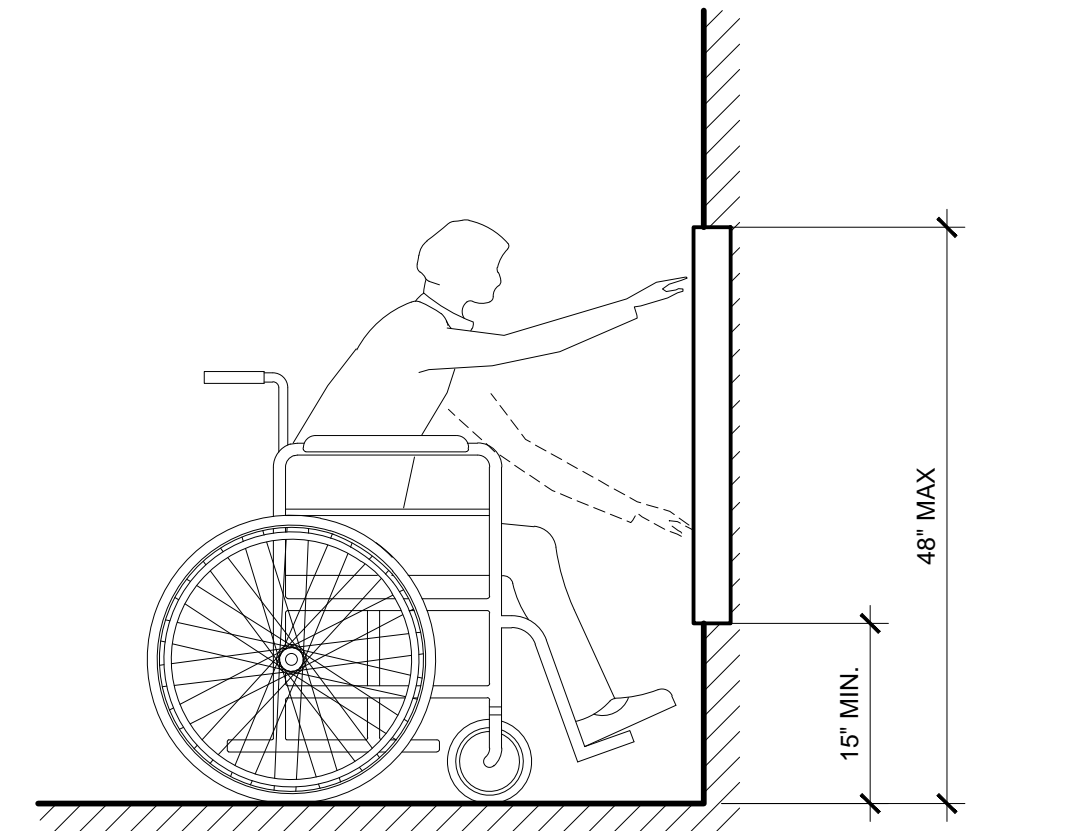
12 Accessible Drinking Fountain - Plan
SCALE: 3/4" = 1'-0"



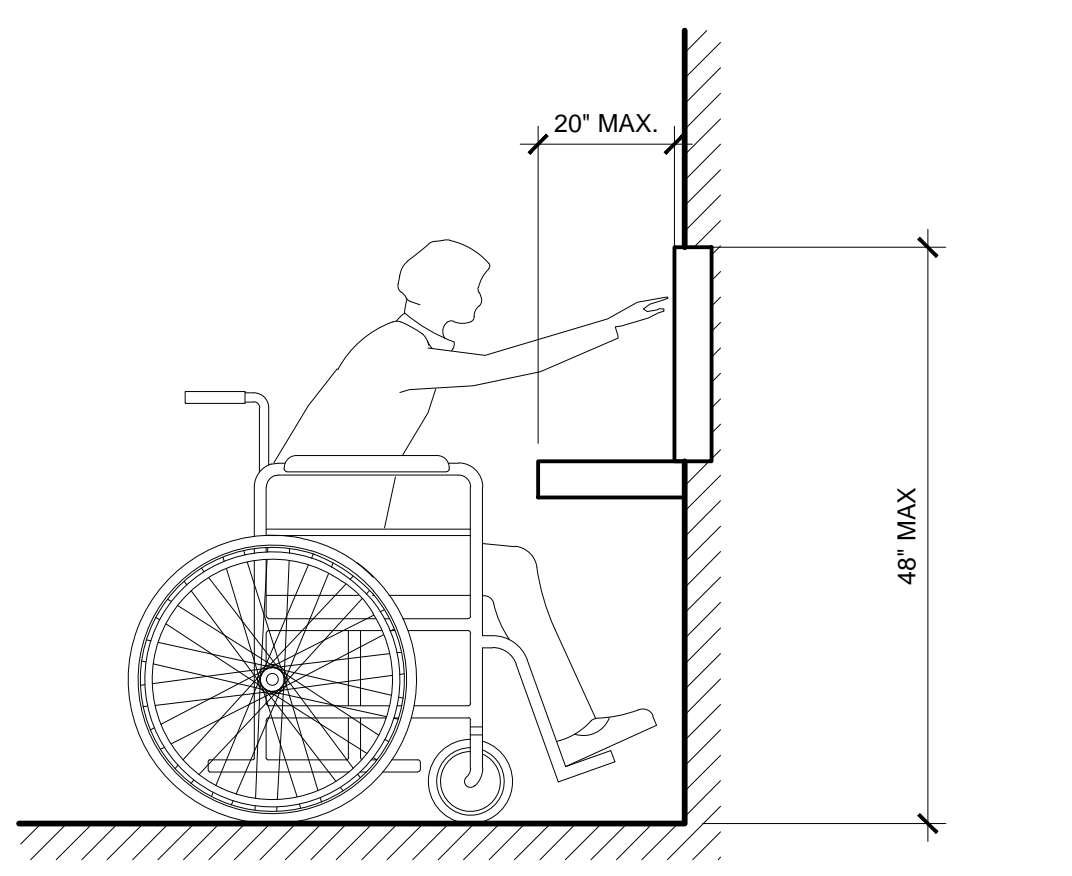
13 Change In Level
SCALE: 1'-0" = 1'-0"



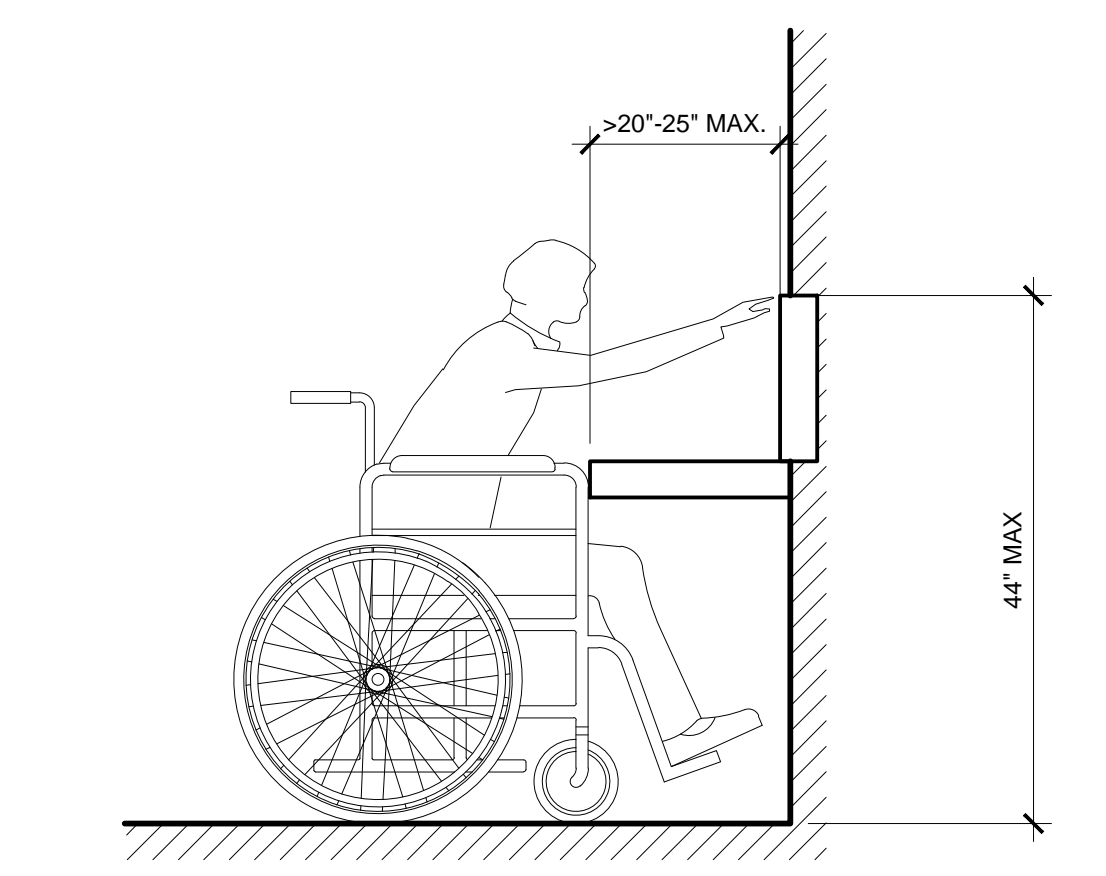
14 Protruding Objects
SCALE: 1/4" = 1'-0"



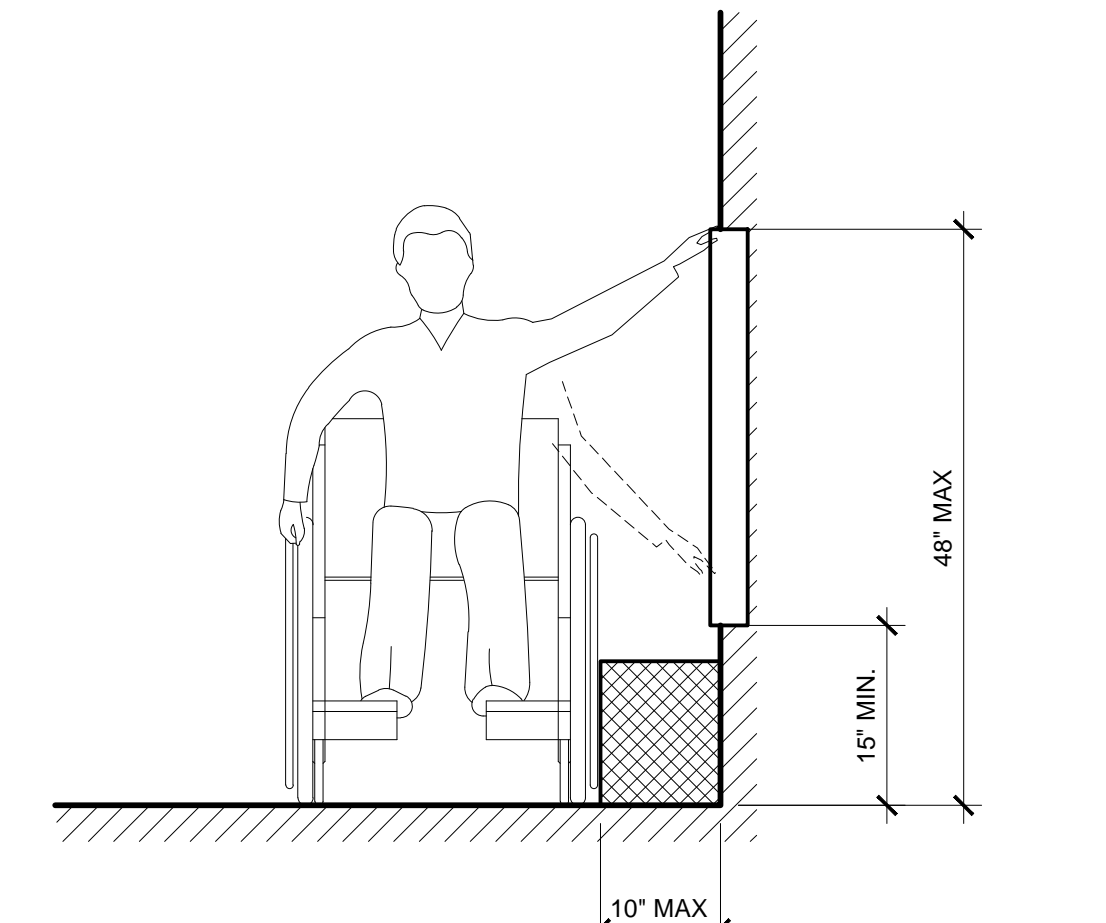
15 Unobstructed Forward Reach
SCALE: 3/4" = 1'-0"



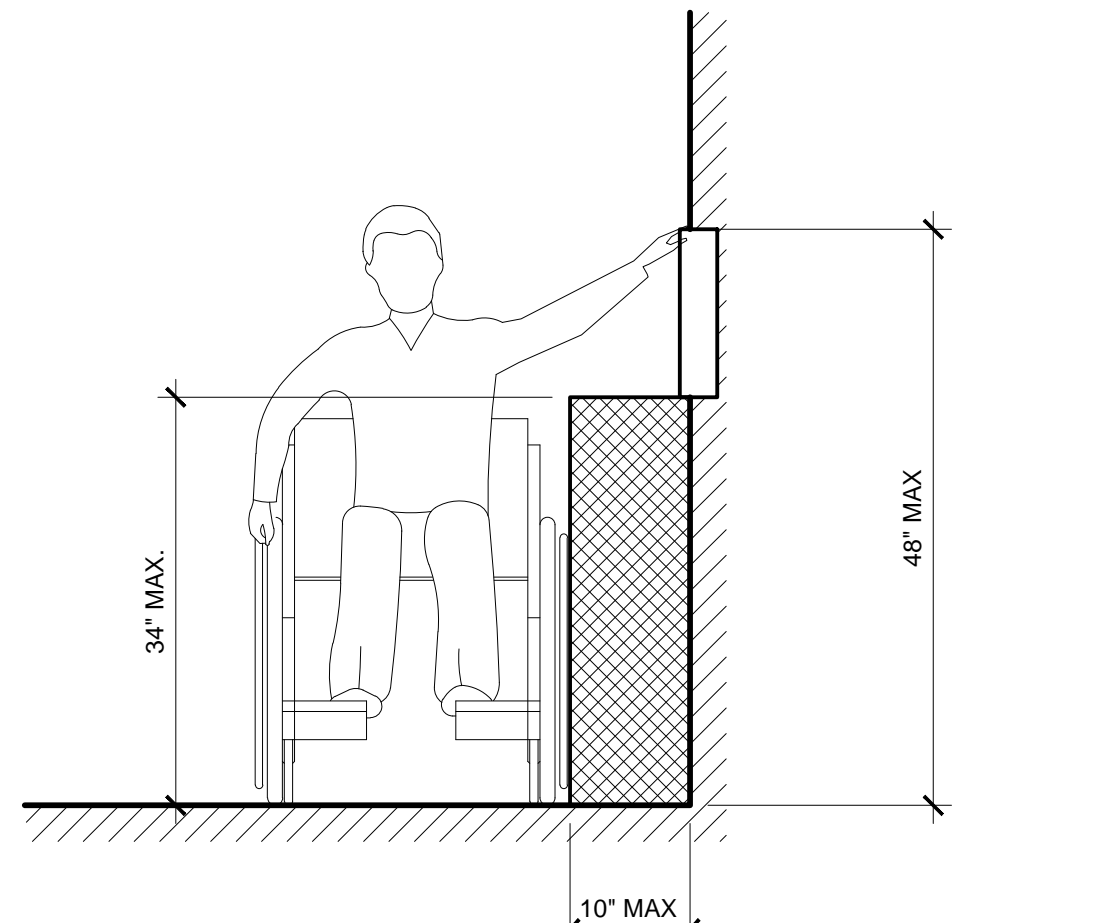
16 Obstructed Forward Reach A
SCALE: 3/4" = 1'-0"



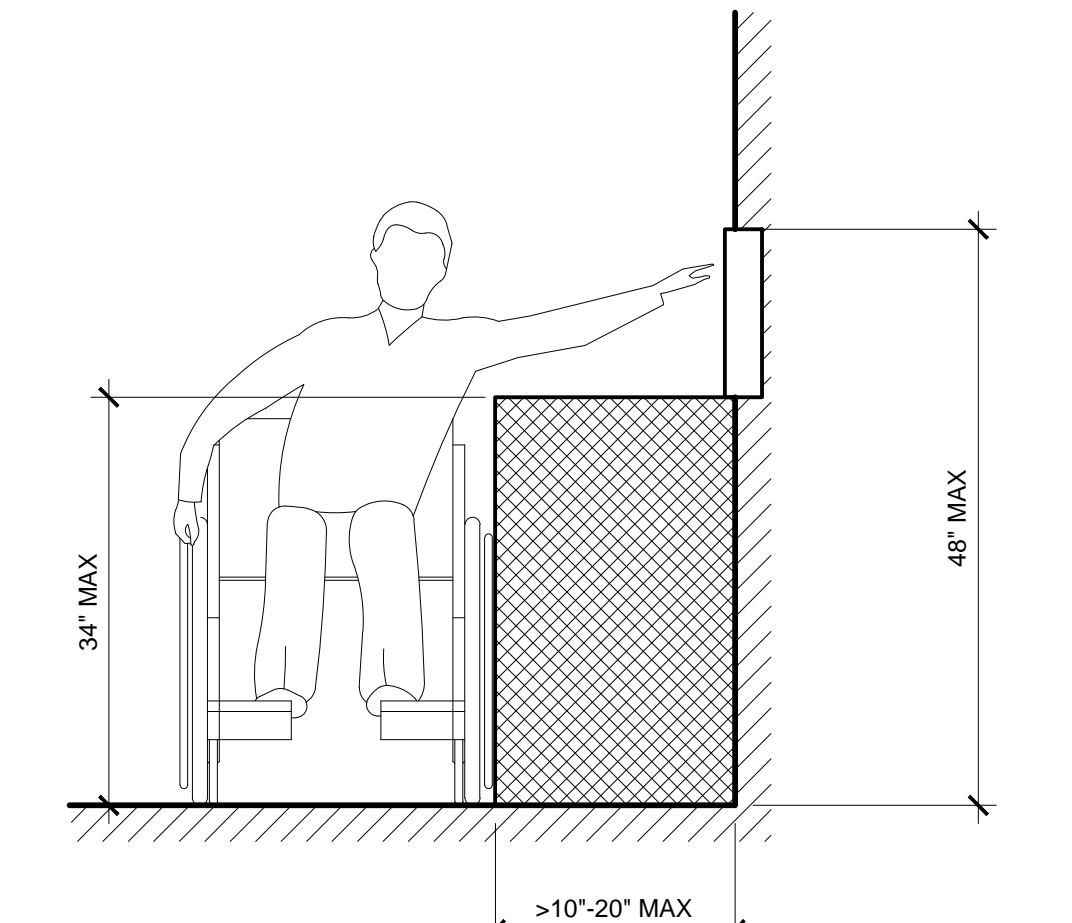
17 Obstructed Forward Reach B
SCALE: 3/4" = 1'-0"



18 Unobstructed Side Reach
SCALE: 3/4" = 1'-0"

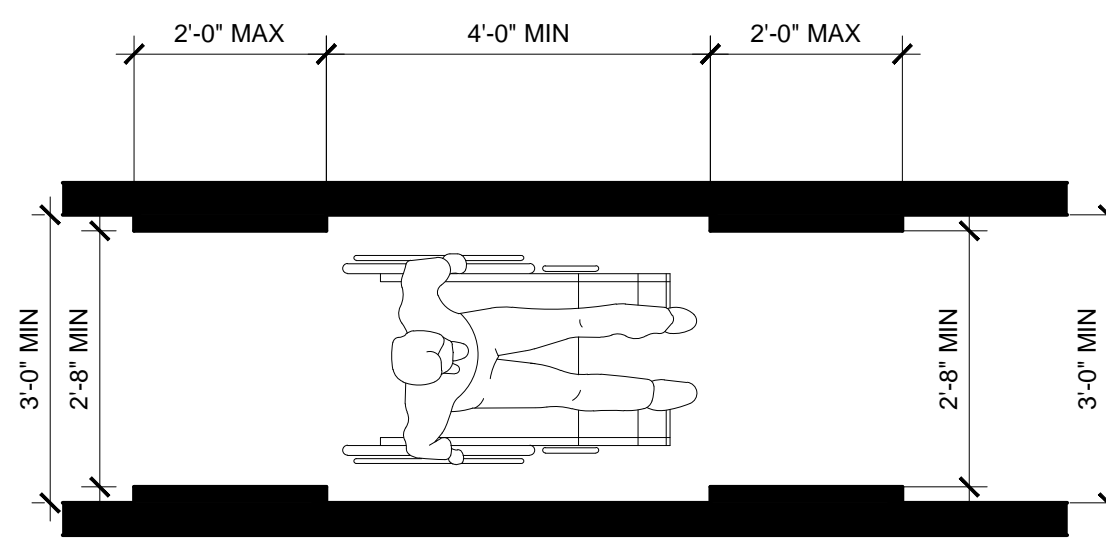
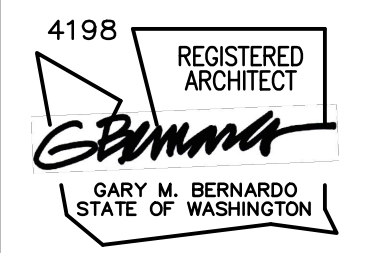


19 Obstructed Side Reach A
SCALE: 3/4" = 1'-0"

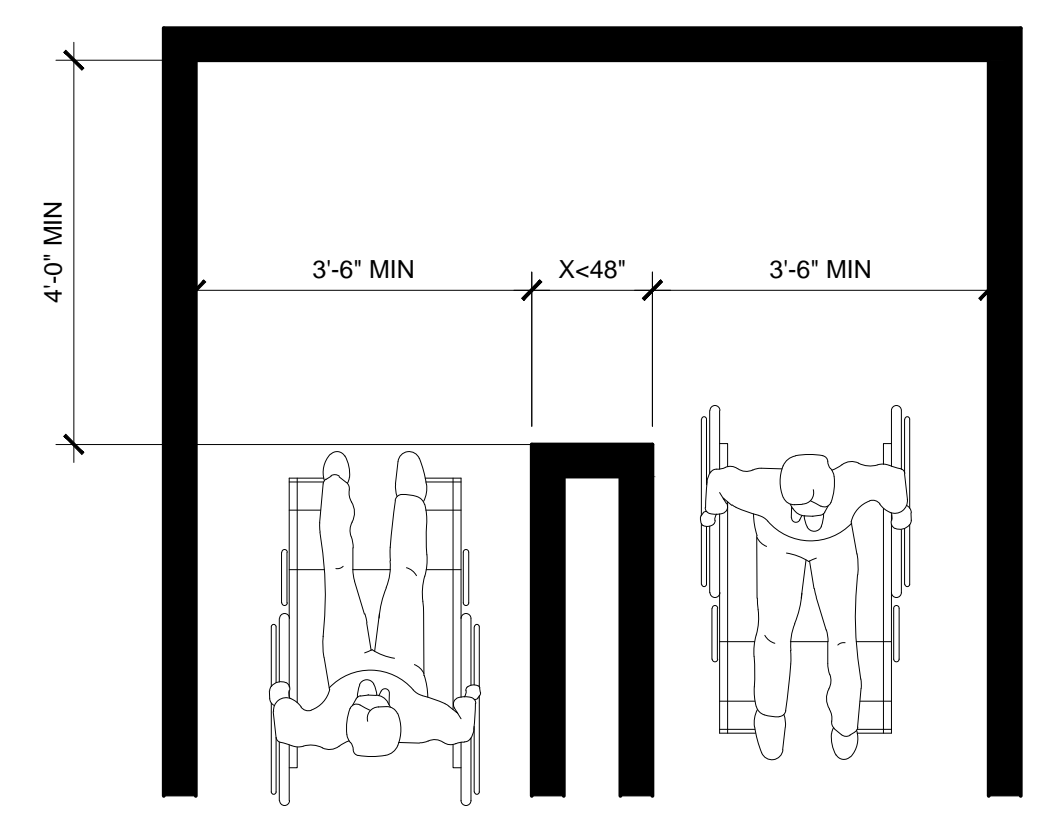


20 Obstructed Side Reach B
SCALE: 3/4" = 1'-0"

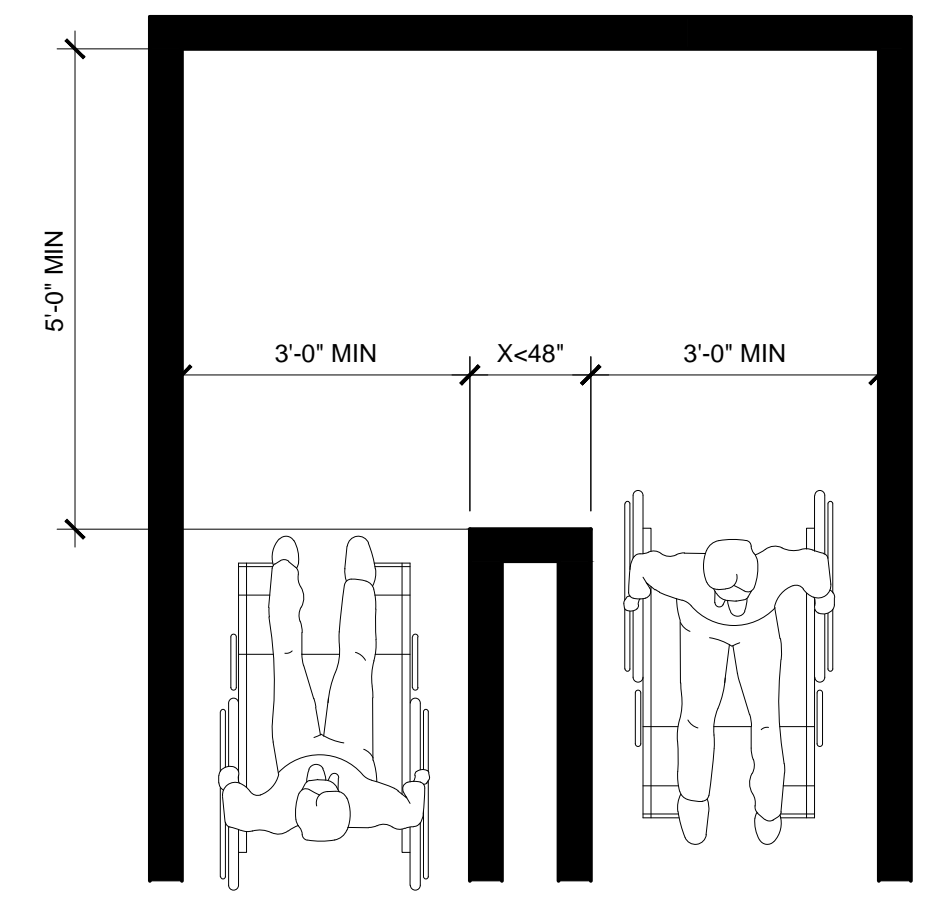
ACCESSIBLE DESIGN AS SHOWN PROVIDED FOR CONVENIENCE REFERENCE ONLY. DETAILS SUBJECT TO CHANGE. ALL ACCESSIBLE CONSTRUCTION SHALL MEET THE REQUIREMENT GUIDELINES AS SET FORTH BY THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, DEPARTMENT OF JUSTICE, SEPT 15, 2010.



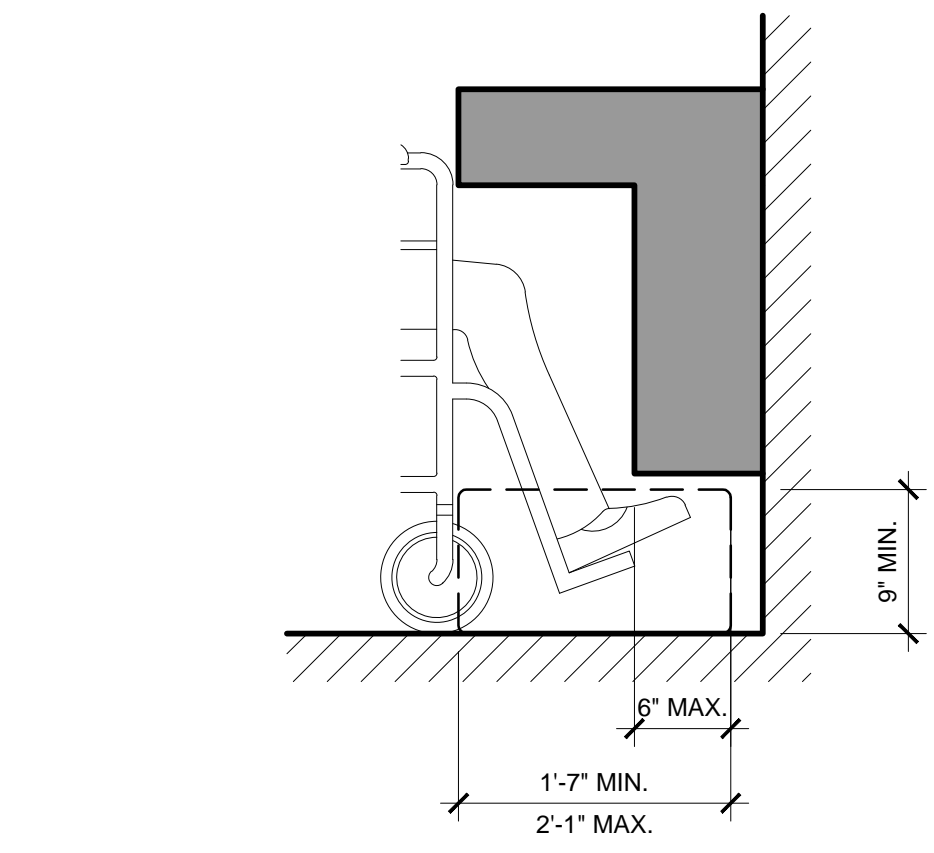
21 Clear Width of an Accessible Route
SCALE: 1/2" = 1'-0"



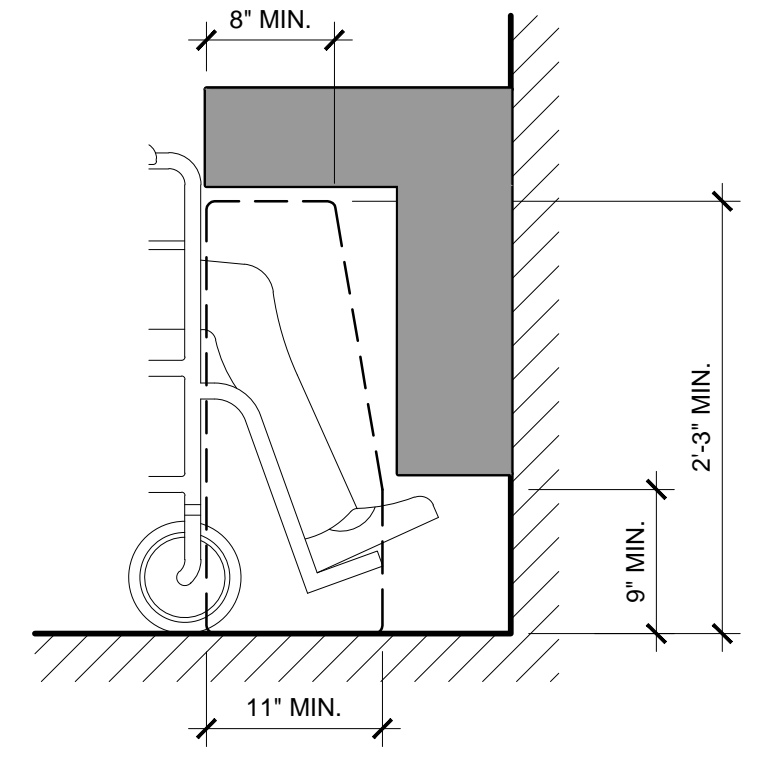
22 Clear Width at 180 Degree Turn A
SCALE: 1/2" = 1'-0"



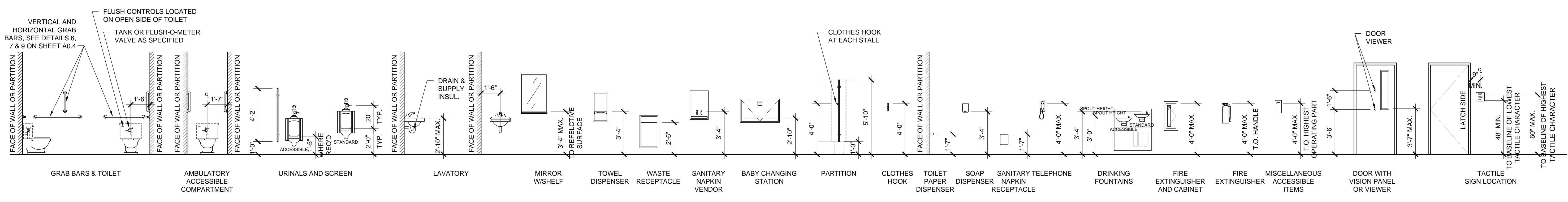
23 Clear Width at 180 Degree Turn B
SCALE: 1/2" = 1'-0"



24 Toe Clearance
SCALE: 1" = 1'-0"



25 Knee Clearance
SCALE: 1" = 1'-0"



26 Typical Fixture and Accessory Mounting Heights
SCALE: N.T.S.

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Project No: 17-226
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Date: SEPT 28, 2018

G0.5

General Notes

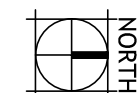
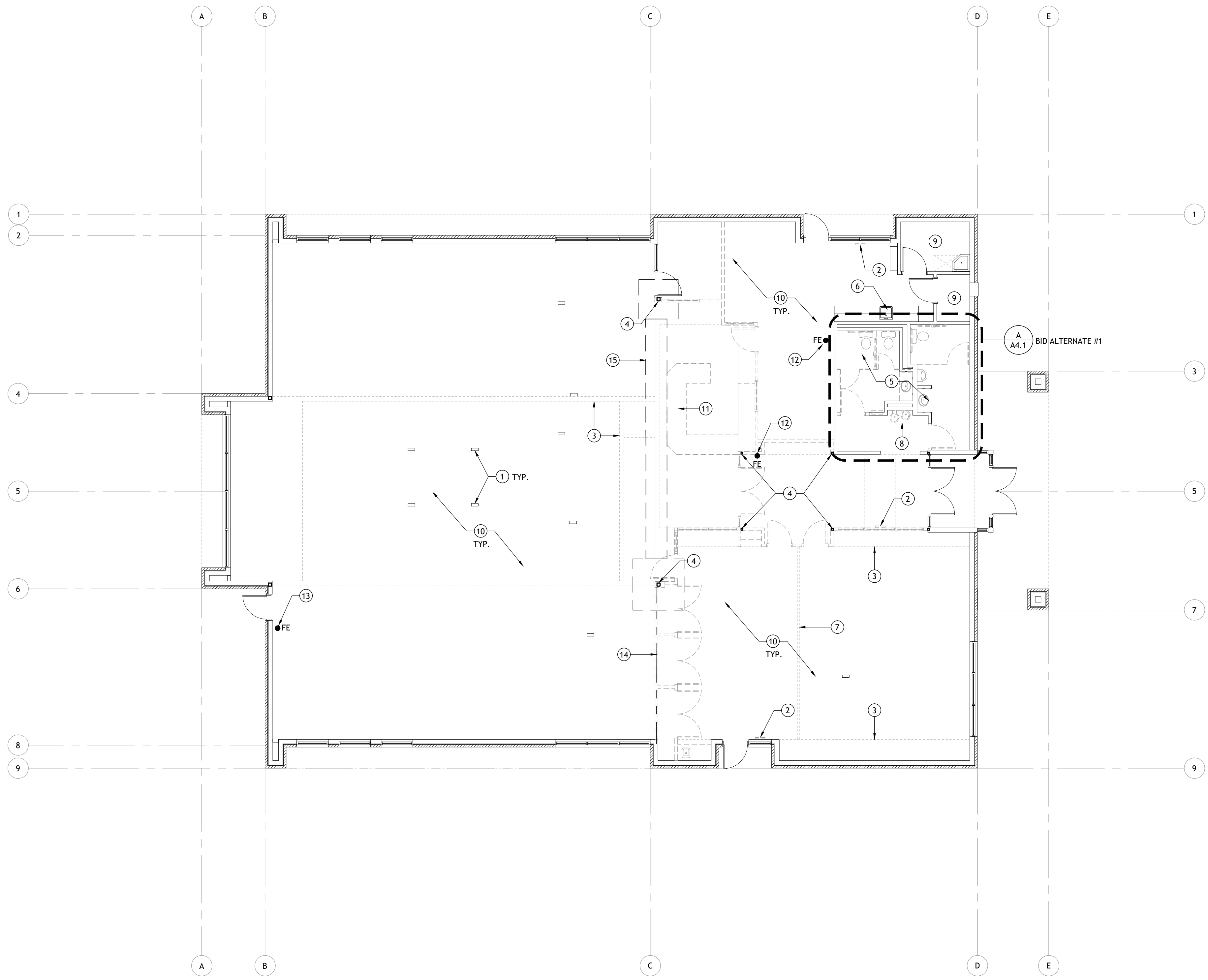
- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, EXTENT OF DEMOLITION, TYPES OF CONSTRUCTION & MATERIALS USED AND CRITICAL DIMENSIONS.
- B. COORDINATE LOCATIONS AND EXTENT OF SLAB REMOVAL WITH NEW CONSTRUCTION PLANS, ELECTRICAL AND MECHANICAL DRAWINGS. CONCRETE CUTS SHOULD OCCUR AT CENTER LINES OF NEW WALLS WHEREVER POSSIBLE.
- C. REPLACE CONC. SLAB THAT HAS BEEN REMOVED OR DAMAGED FLUSH TO AND MATCH ADJACENT FINISH.
- D. VERIFY STRUCTURAL SHORING OF BEARING MEMBERS PRIOR TO DEMOLITION.
- E. WHERE EXISTING BEARING WALLS ARE REMOVED, PATCH SLAB AND GRIND TOP OF STEM WALL TO MATCH FLOOR ON EITHER SIDE.
- F. PATCH AND REPAIR ALL FLOORS ADJACENT TO DEMOLITION OR EQUIPMENT REMOVAL. MATCH EXISTING ADJACENT SURFACES, AND NEW FINISHES AS NOTED.
- G. PROTECT UNDERGROUND UTILITIES THAT ARE TO REMAIN IN SERVICE BELOW CONCRETE SLAB TO BE REMOVED.
- H. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS TO COORDINATE ADDITIONAL DEMOLITION REQUIREMENTS.
- I. COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION WITH NEW PLAN REQUIREMENTS. SALVAGE AND RE-USE EXISTING CONNECTIONS WHERE POSSIBLE.
- J. REMOVE (E) INTERIOR FLOOR AND WALL FINISHES, WHERE SHOWN AND PREPARE ALL SUBSTRATES TO RECEIVE NEW FINISHES IN ACCORDANCE WITH MANUFACTURE. PATCH/REPAIR (E) WALLS TO REMAIN TO MATCH ADJACENT SURFACE.
- K. OWNER WILL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING FURNITURE, SHELVING & FIXTURES.

Keyed Notes

- 1 EXISTING FLOOR BOX RECEPTACLE TO REMAIN OR BE RELOCATED PER ELECTRICAL.
- 2 REMOVE EXISTING WALL HEATER. PATCH AND REPAIR WALL AS REQUIRED. COORDINATE WITH ELECT/MECH. DRAWINGS.
- 3 LINE OF EXISTING SOFFIT/CEILING ABOVE.
- 4 EXISTING COLUMN.
- 5 BASE BID: EXISTING FINISHES & FIXTURES TO REMAIN. SEE ALTERNATE #1, SHEET A4.1 FOR EXTENT OF DEMO IN RESTROOMS.
- 6 EXISTING CASEWORK AND SINK TO REMAIN.
- 7 REMOVE EXISTING MOVEABLE WALL TRACK.
- 8 REMOVE EXISTING DRINKING FOUNTAIN.
- 9 EXISTING FINISHES TO REMAIN.
- 10 REMOVE EXISTING FLOORING & BASE THROUGHOUT, TYP.
- 11 REMOVE EXISTING SERVICE DESK CASEWORK.
- 12 SALVAGE EXISTING FIRE EXTINGUISHER CABINET AND RELOCATE PER A2.1
- 13 EXISTING FIRE EXTINGUISHER TO REMAIN.
- 14 REMOVE WALL UP TO TOP PLATES. REFER TO STRUCTURAL FOR NEW BEAM & CONNECTION.
- 15 SAW CUT & REMOVE EXISTING SLAB FOR NEW FOOTING. VERIFY LOCATION OF EXISTING UTILITIES. SEE STRUCTURAL FOR ADDITIONAL INFORMATION.

Demolition Legend

- EXTENT OF DEMOLITION
- (E) WALLS TO REMAIN



General Plan Notes

1. ALL DIMENSIONS ARE TO FACE OF EXISTING WALL OR CENTER OF WALL, UNLESS NOTED OTHERWISE.
2. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
3. ALL FURNISHINGS SHOWN AS DASHED ARE PROVIDED & INSTALLED BY OWNER.

Keyed Notes

- 1 FURR AROUND EXISTING COLUMN WITH METAL STUDS, GWB AND MDF WITH ALUMINUM REVEALS- ALIGN FURRING WITH SOFFIT ABOVE- SEE DETAIL 2/A2.1.
- 2 FURR AROUND EXISTING COLUMN WITH METAL STUDS, GWB AND MDF WITH ALUMINUM REVEALS- SEE DETAIL 3/A2.1.
- 3 NEW OPENING 7'-0" WIDE x 6'-0" TALL. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
- 4 EXISTING FIRE EXTINGUISHER CABINET.
- 5 RELOCATED FIRE EXTINGUISHER CABINET. CUT INTO EXISTING WALL, PATCH, REPAIR & PAINT AS REQUIRED.
- 6 RELOCATED FIRE EXTINGUISHER CABINET.

Plan Legend

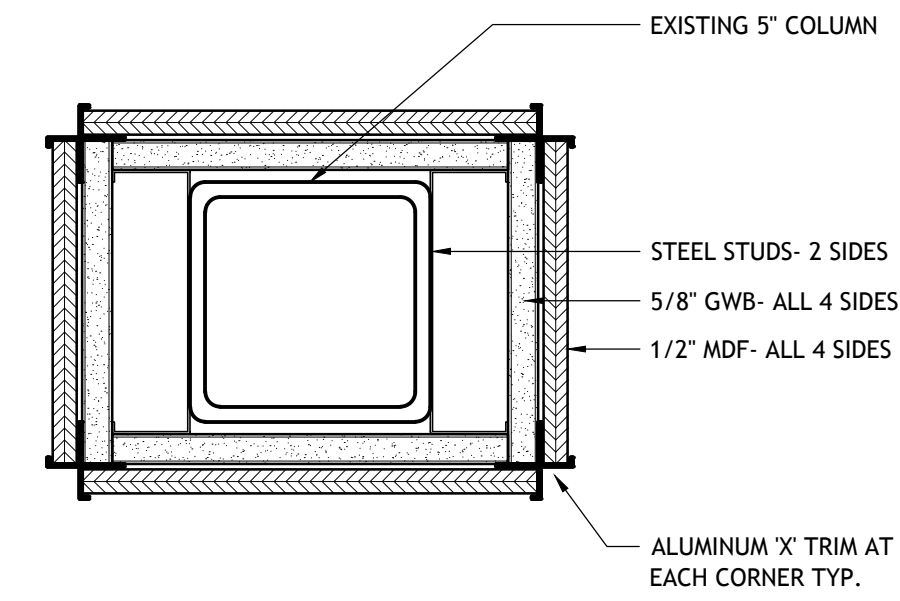
- ◆ KNOX BOX LOCATION: (EXISTING - NO CHANGE)
- FE FIRE EXTINGUISHER LOCATION [IBC 906]
- DOOR, SEE PLANS FOR NUMBER
- WINDOW, SEE PLANS FOR NUMBER
- ROOM IDENTIFICATION
 ROOM NUMBER
 ROOM NAME

Assemblies Legend

- TAG PER PLAN
 GROUP NUMBER
- NOTE:
 1. PROVIDE CAULKING AND SEALANT AS REQUIRED.
 2. ALL WALLS TO EXTEND TO BOTTOM OF DECK ABOVE, UNLESS OTHERWISE NOTED.
 3. INSTALL ALL GWB PER ASTM C 840.
 4. PROVIDE BLOCKING AS REQUIRED AND REQUESTED.
 5. PROVIDE MOISTURE AND MOLD RESISTANT GWB AT ALL TILE AND WET ROOM LOCATIONS, PER SPECIFICATIONS.
 6. FRAME AND BRACE ALL WALLS TO UNDERSIDE OF STRUCTURE AND SHEATH WITH GWB BOTH SIDES TO 6" ABOVE SCHEDULED CEILING HEIGHT UNLESS NOTED OTHERWISE.
 7. PREPARE ALL GYPSUM WALL BOARD FOR LEVEL 4 PAINT GRADE FINISH UNLESS NOTED OTHERWISE.
 8. ALL WEATHER, AIR AND VAPOR BARRIERS TO BE CONTINUOUS IN WALLS/FLOOR/ROOF SYSTEMS WITH ALL PENETRATIONS AND CONNECTIONS TO BE PROPERLY SEALED PER MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED BY PREVAILING JURISDICTIONAL CODE TO PROVIDE A CONTINUOUS BARRIER AS REQUIRED.

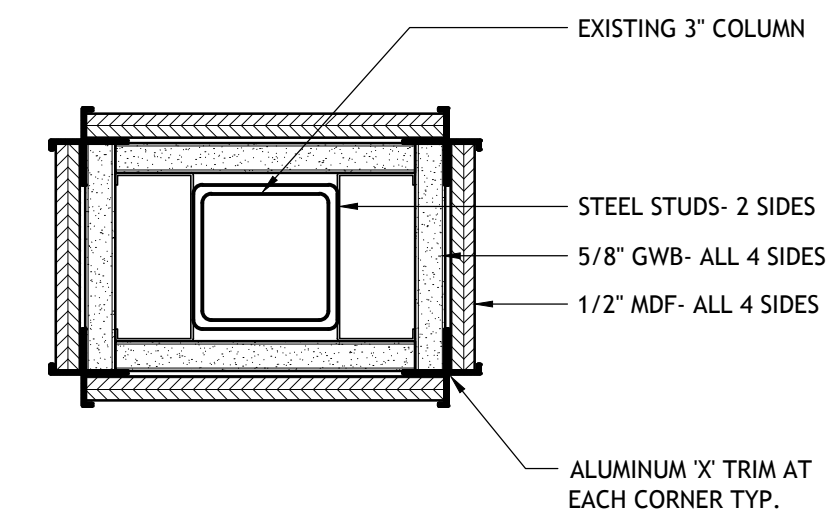
INTERIOR WALL TYPES:

- NOTE:
 1. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL FINISH, TEXTURE, COLOR, ORIENTATION, RUSTICATION JOINTS AND TRANSITIONS.
- EXTERIOR → INTERIOR
- (E) EXTERIOR FINISH
 - (E) WALL CONSTRUCTION
 - (E) GWB
 - FINISH PER SCHEDULE
- FINISH PER SCHEDULE
 - 5/8" GWB
 - 2x4 WOOD STUDS AT 16" O.C.
 - SOUND ATTENUATION BATTS
 - 5/8" GWB
 - FINISH PER SCHEDULE



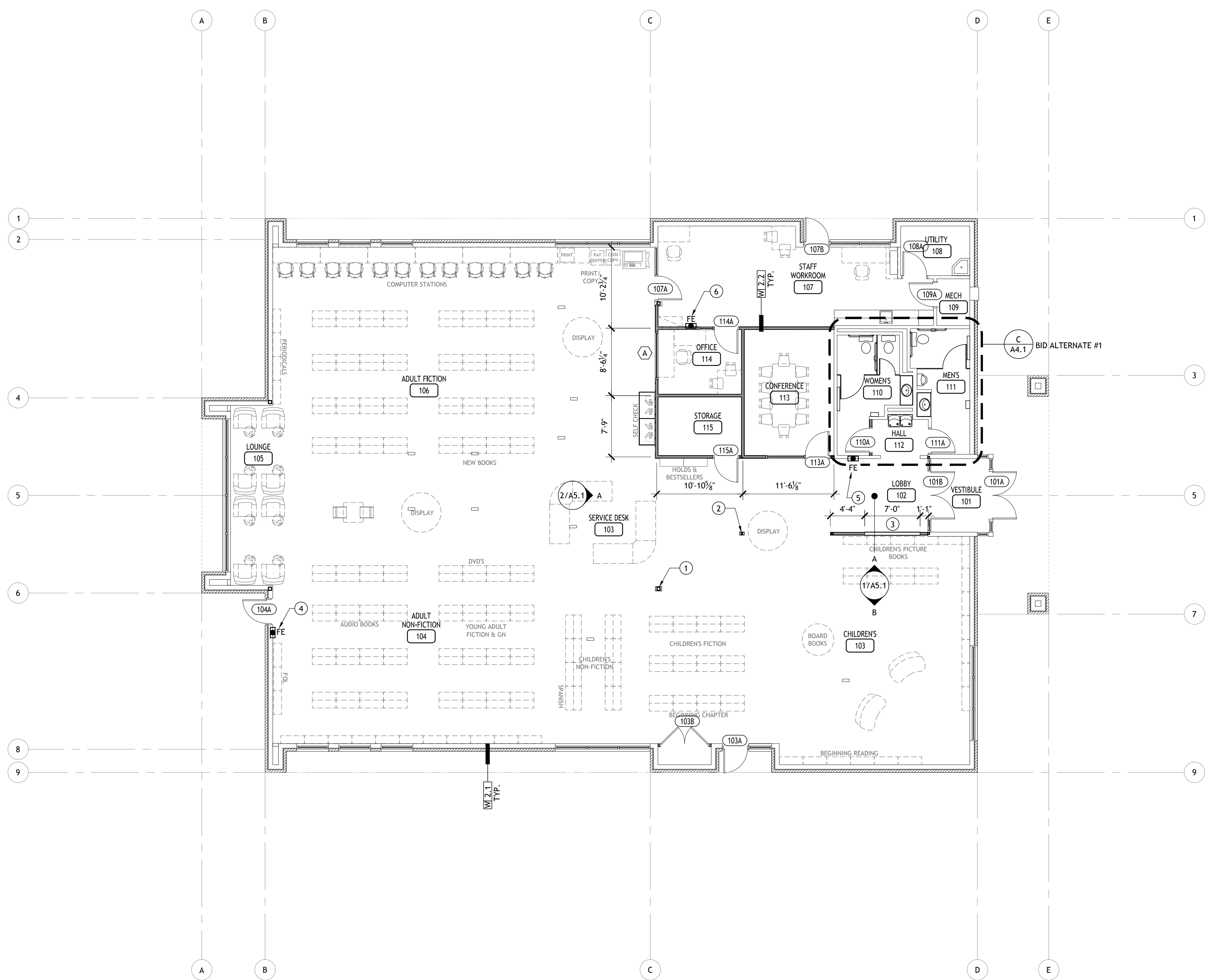
2 5" COLUMN DETAIL

SCALE: 3" = 1'-0"



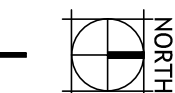
3 3" COLUMN DETAIL

SCALE: 3" = 1'-0"



1 NEW FLOOR PLAN

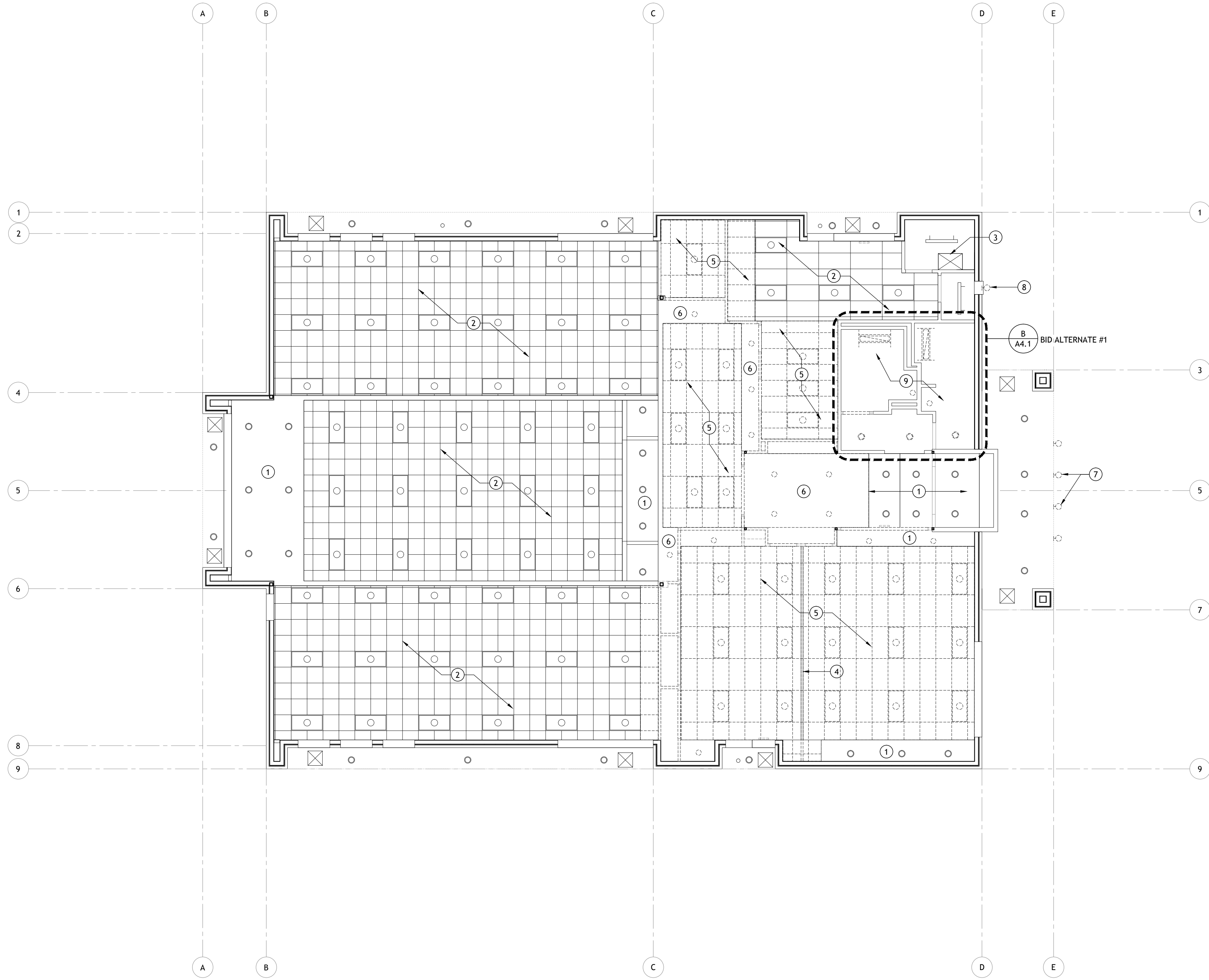
SCALE: 1/8"=1'0"



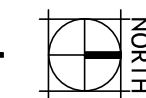
Keyed Notes

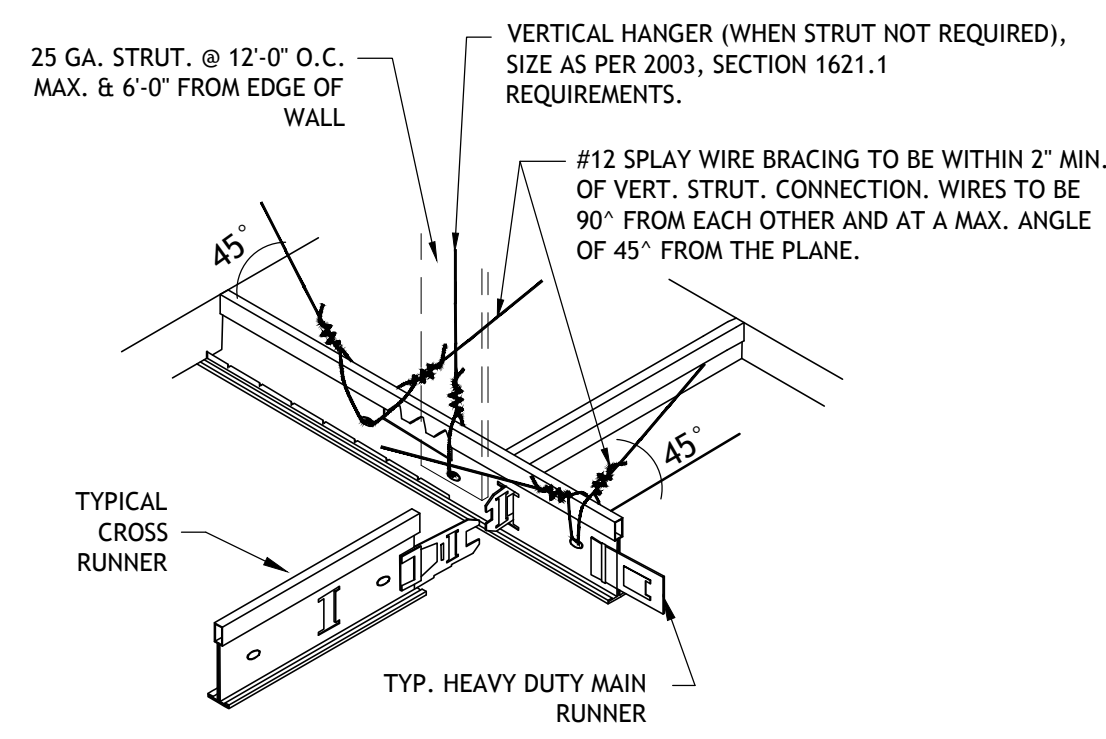


- ① EXISTING GWB CEILING & RECESSED LIGHTING TO REMAIN.
- ② EXISTING CEILING GRID & TILE TO REMAIN.
- ③ EXISTING ATTIC ACCESS HATCH.
- ④ REMOVE EXISTING MOVEABLE WALL TRACK AND BEAM.
- ⑤ REMOVE EXISTING CEILING GRID & TILE. SALVAGE LIGHT FIXTURES FOR RE-USE.
- ⑥ REMOVE EXISTING GWB CEILING & LIGHT FIXTURES.
- ⑦ REMOVE EXTERIOR LIGHT FIXTURES (4 TOTAL) PATCH & REPAIR EXTERIOR FINISH AS REQUIRED. SEE ELECTRICAL FOR RE-PURPOSING OF EXISTING CIRCUIT FOR OWNER SUPPLIED SIGNAGE.
- ⑧ REMOVE EXTERIOR LIGHT FIXTURE OVER BOOK DROP. REPLACE WITH NEW- SEE ELECTRICAL.
- ⑨ BASE BID: EXISTING FIXTURES AND CEILING TO REMAIN. SEE ALTERNATE #1 SHEET A4.1 FOR EXTENT OF DEMO IN RESTROOMS.



1 DEMOLITION REFLECTED CEILING PLAN
 SCALE: 1/8"=1'0"

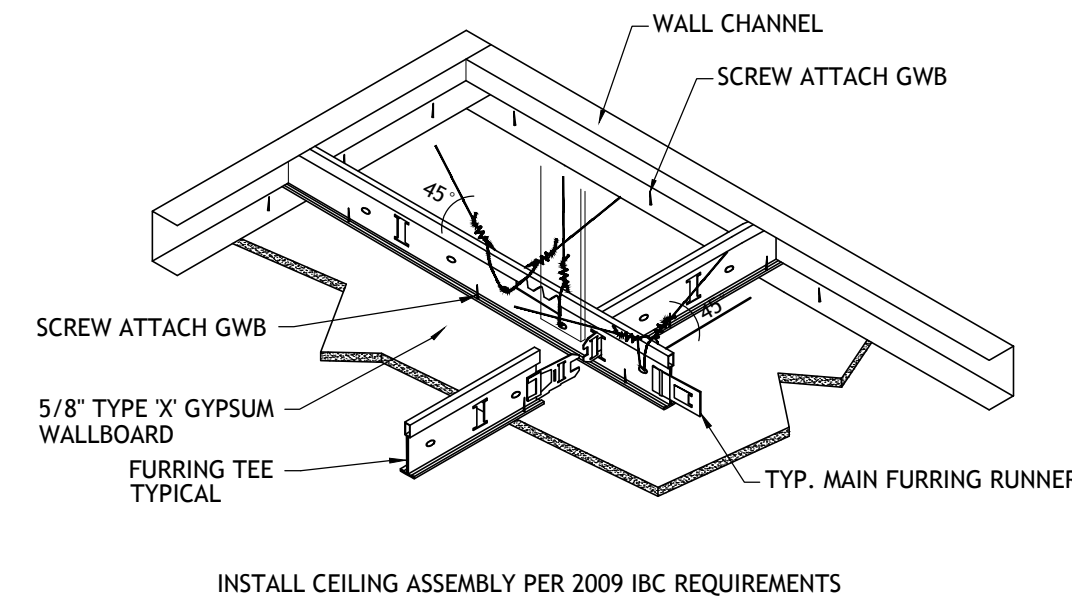




NOTE: DESIGN AND INSTALL ALL CEILING COMPONENTS (INCLUDING LIGHT FIXTURES AND MECHANICAL SERVICES) PER 2009 IBC, SECTION 803.9 REQ.

2 Suspended ACT Ceiling - Seismic

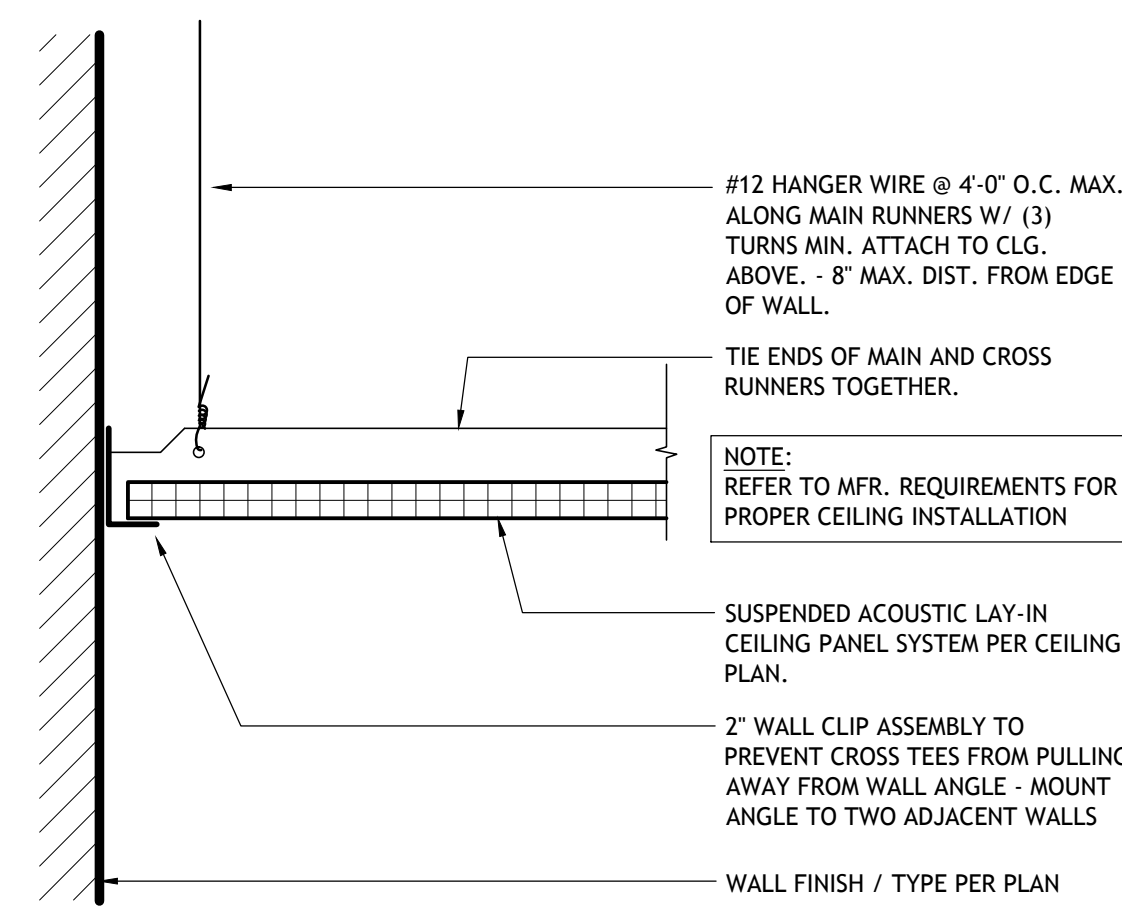
SCALE: 1 1/2" = 1'-0"



NOTE: USE OF COLD FORMED/HAT CHANNEL AND/OR STEEL STUD FRAMING.

3 Suspended GYP. Ceiling - Seismic

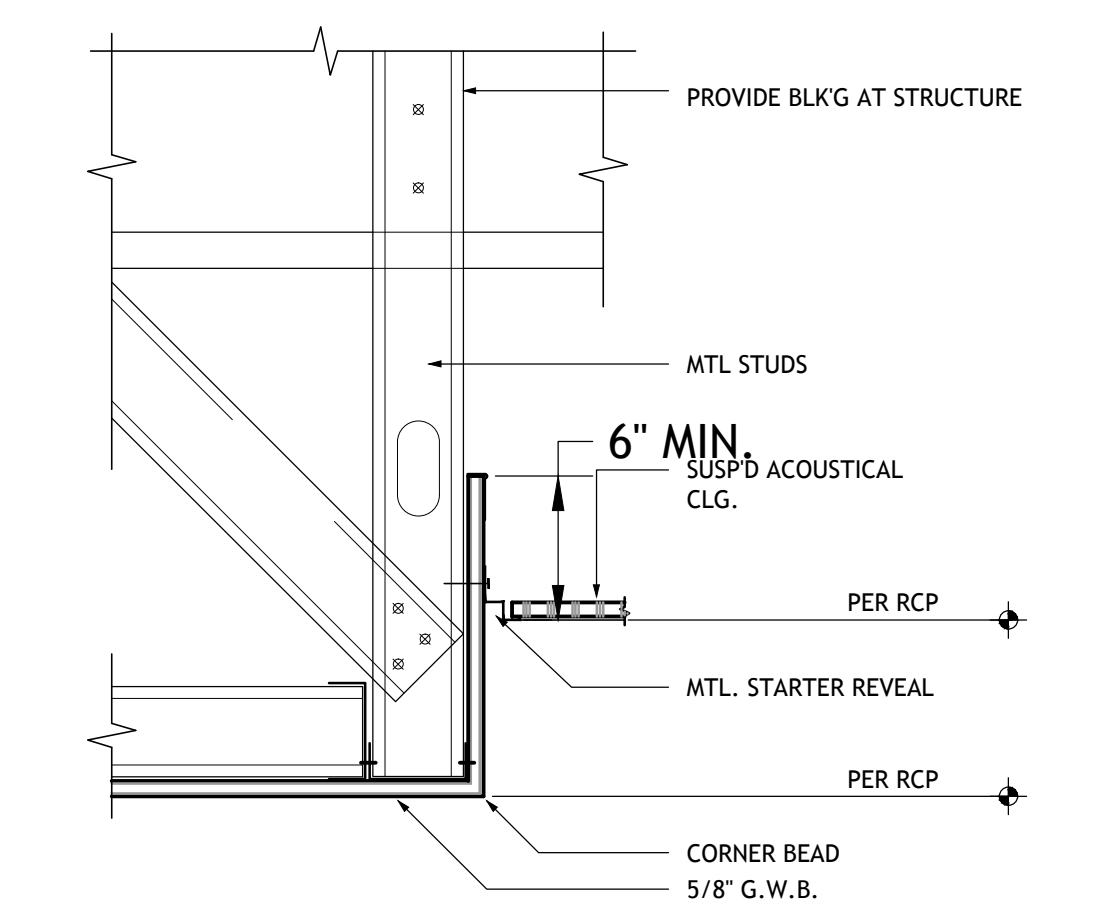
SCALE: 6" = 1'-0"



NOTE: REFER TO MFR. REQUIREMENTS FOR PROPER CEILING INSTALLATION

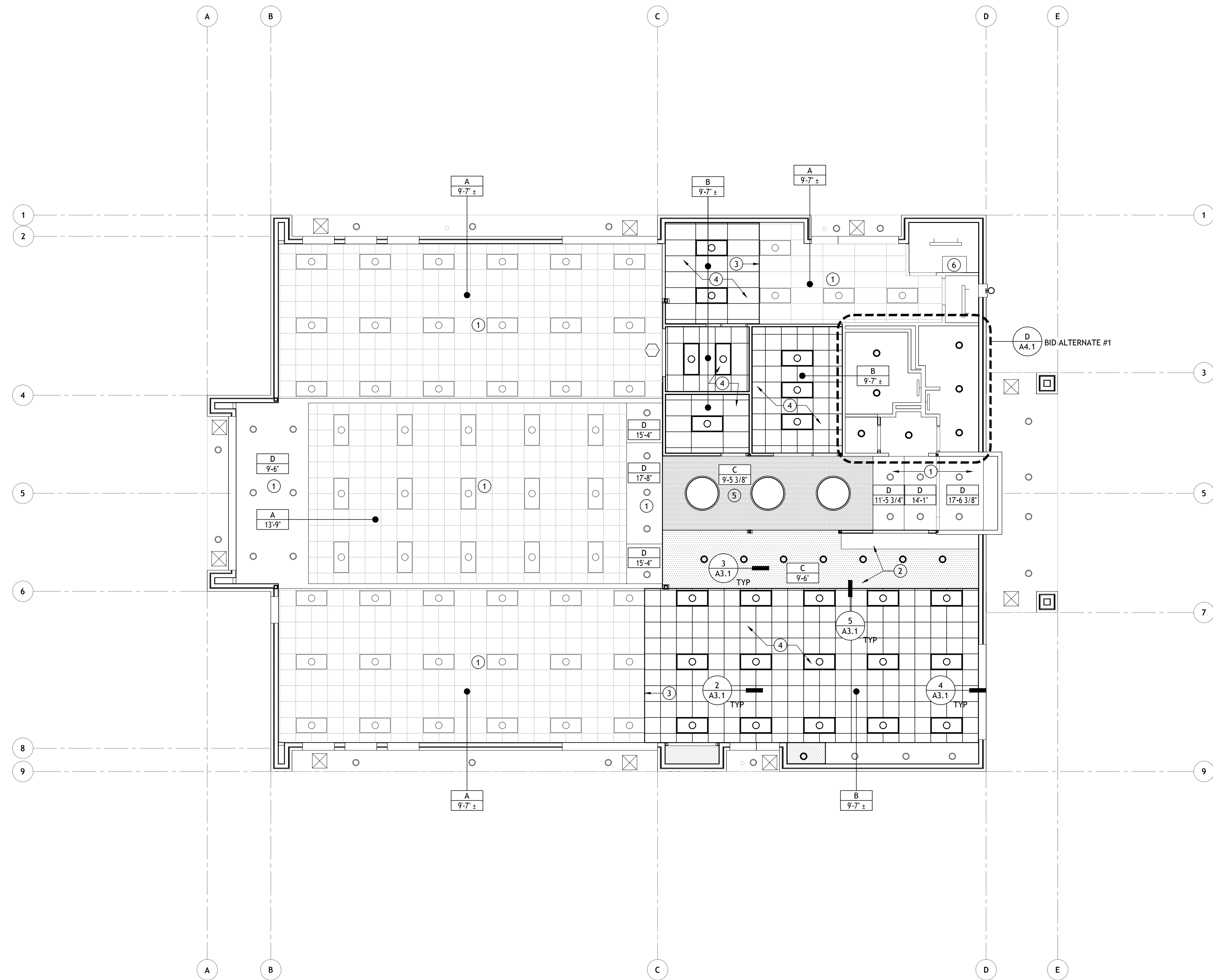
4 Suspended Acoustical Ceiling

SCALE: 3" = 1'-0"



5 GWB / ACT Transition

SCALE: 1 1/2" = 1'-0"



1 NEW REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

General RCP Notes

- SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION SHEETS FOR ADDITIONAL INFORMATION.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
- ALL VERTICAL DIMENSIONS NOTED ARE ABOVE FINISH FLOOR. (A.F.F.)
- LIGHT FIXTURES, DIFFUSERS, GRILLS AND CEILING GRIDS ARE TO BE CENTERED BETWEEN WALLS / BEAMS UNLESS OTHERWISE NOTED.
- LAY-IN CEILING GRID TO BE CENTERED IN SPACES AS SHOWN, VERIFY AS REQUIRED.
- SEE FINISH SCHEDULE FOR MATERIAL FINISHES.
- SUSPENDED CEILING GRIDS SHALL BE INSTALLED LEVEL AND TRUE TO A TOLERANCE OF 1/8" IN EVERY 12'-0".
- PERIMETER CEILING ANGLE(S) SHALL BE INSTALLED FREE FROM CURVES, BREAKS, OR OTHER IRREGULARITIES.
- LIGHT FIXTURES, EXIT SIGNS AND OTHER CEILING ELEMENTS SHALL BE LOCATED IN THE CENTER OF INDIVIDUAL CEILING TILES, U.O.N. OR AS DIRECTED BY ARCHITECT. DO NOT LOCATE FIXTURES OR ELEMENTS ON GRID.
- VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, MECHANICAL DUCTS, STRUCTURAL ELEMENTS AND ANY AND ALL OTHER APPLICABLE ITEMS.
- PAINT MECH. GRILLES AND DUCTS IN SOFFITS TO MATCH SOFFIT COLOR.
- REFERENCE FINISH LEGEND FOR APPROVED CEILING TYPES AND MANUFACTURERS.
- REFERENCE ELECTRICAL CEILING PLANS FOR FIXTURE TYPES AND MANUFACTURERS.
- ALL PENETRATIONS THRU FIRE-RATED ASSEMBLIES SHALL BE PROTECTED WITH THROUGH-PENETRATION FIRE STOPS, SUITABLE FOR THE METHOD OF PENETRATION. PENETRATIONS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECT TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR THE FIRE STOPS.
- PROVIDE EMERGENCY LIGHTING AS REQUIRED.

RCP Keyed Notes

- BASE BID: EXISTING CEILING GRID & LIGHT FIXTURES TO REMAIN. ALTERNATE #2 REPLACE ALL EXISTING FIXTURES WITH NEW LED. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
- EXISTING SOFFIT TO REMAIN, REMOVE CAN LIGHTS, PATCH & REPAIR GWB AND EXTEND SOFFIT AS SHOWN.
- ALIGN NEW GRID WITH EXISTING FOR SEAMLESS INSTALL.
- BASE BID: RELOCATED LIGHT FIXTURES IN NEW CEILING GRID. ALTERNATE #2 PROVIDE NEW FIXTURES. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
- PROVIDE 2 LAYERS OF 5/8" GWB- SEE DETAIL
- EXISTING ROOF ACCESS HATCH

Ceiling Material Legend

- | | |
|-------|--|
| A | CEILING MATERIAL TYPE |
| 8'-0" | CEILING HEIGHT |
| A: | EXISTING 2x4 LAY IN CEILING TILE & GRID |
| B: | 2x4 LAY IN CEILING TILE AND GRID- MATCH EXISTING TEXTURE & COLOR- SEE DETAIL 5/A8.1. |
| C: | 5/8" SUSPENDED GYPSUM BOARD, TAPE/PRIME/TEXTURE/PAINT, PROVIDE SUPPORT FRAMING AS REQUIRED- SEE DETAIL 4/A8.1. |
| D: | EXISTING GWB CEILING OR SOFFIT TO REMAIN, NEW PAINT PER SCHEDULE |

Ceiling Fixture Legend

NOTE: FIXTURE SYMBOLS AND LOCATIONS FOR GENERAL REFERENCE ONLY. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR GOVERNING FIXTURES AND LOCATIONS

- 2x4 RECESSED LIGHT FIXTURE:
- 2x2 RECESSED LIGHT FIXTURE:
- RECESSED DOWN LIGHT
- RETURN AIR GRILL
- SUPPLY AIR DIFFUSER
- RECESSED EXHAUST FAN
- EMERGENCY LIGHTING

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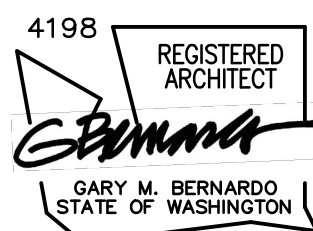
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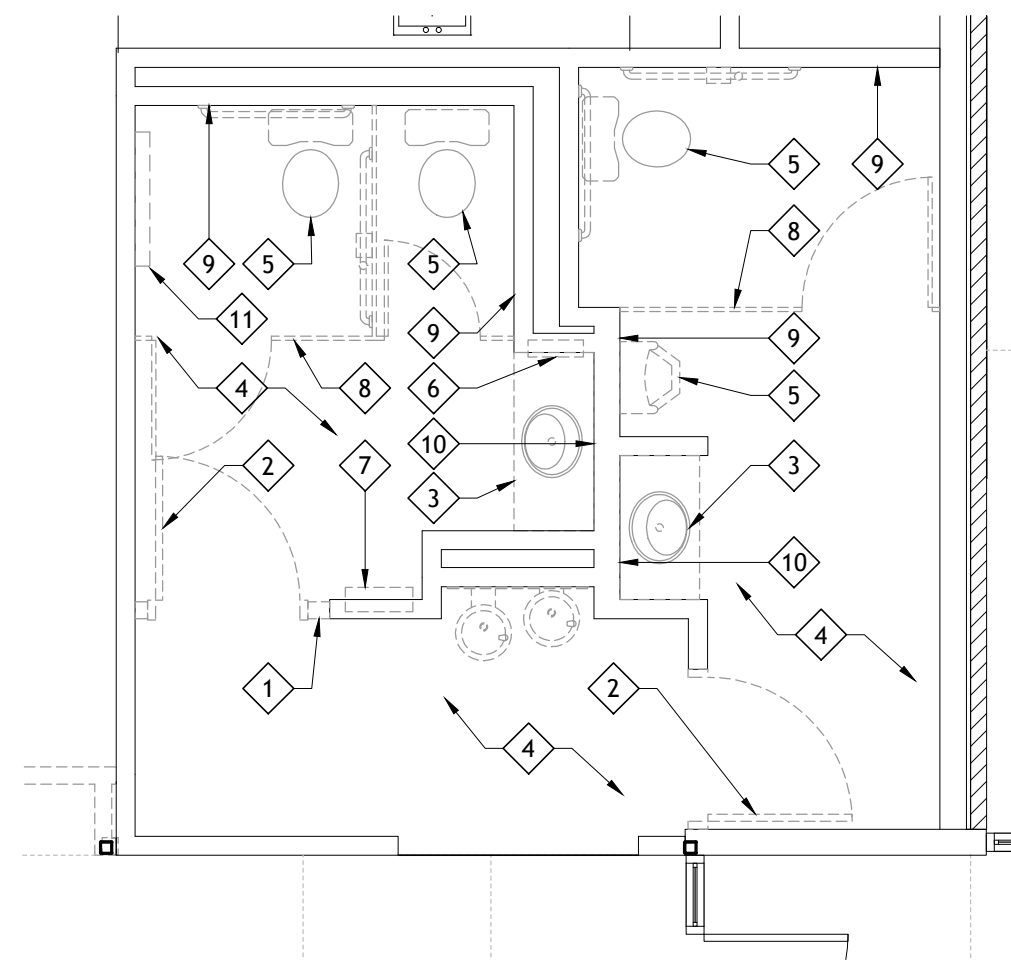
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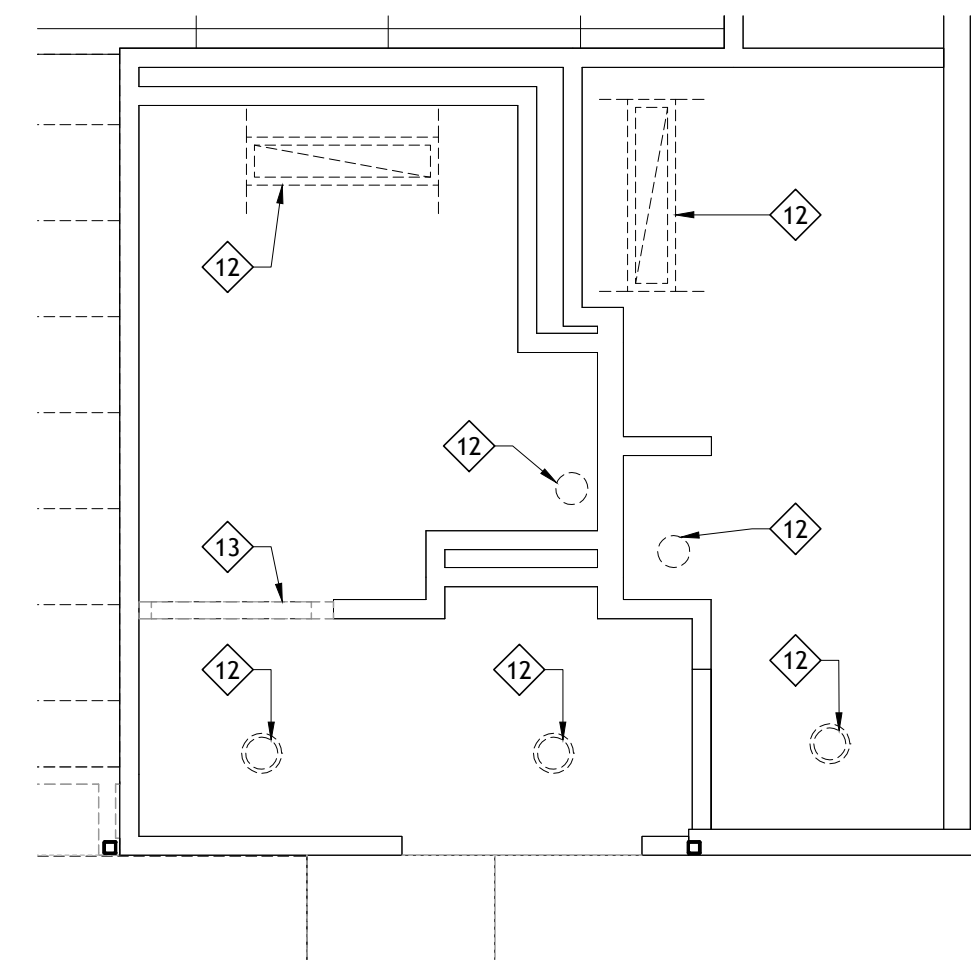
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SEPT. 28, 2018
NEW REFLECTED
CEILING PLAN

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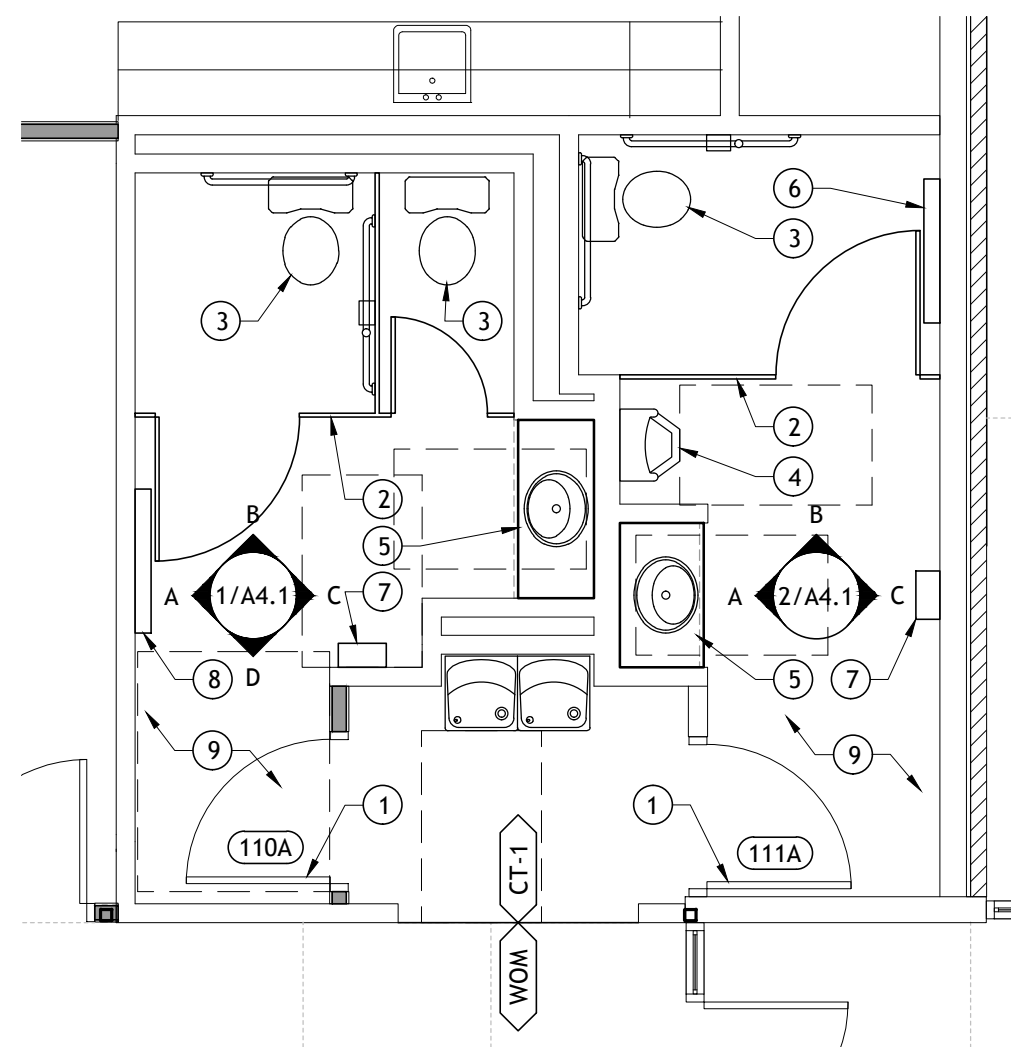
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 Drawn by: CKS
 Date: SEPT 28, 2018
A3.1



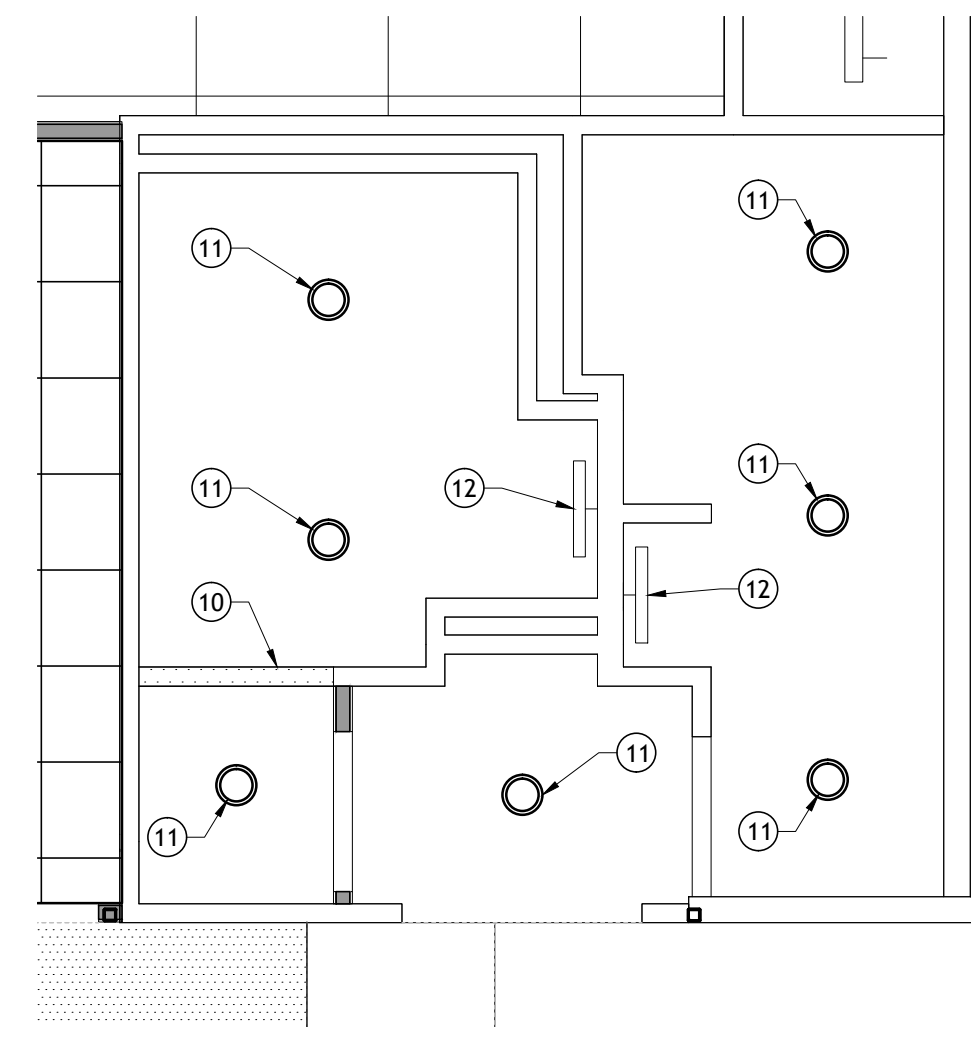
A Enlarged Demo Restroom Plan
SCALE: X = 1'-0"



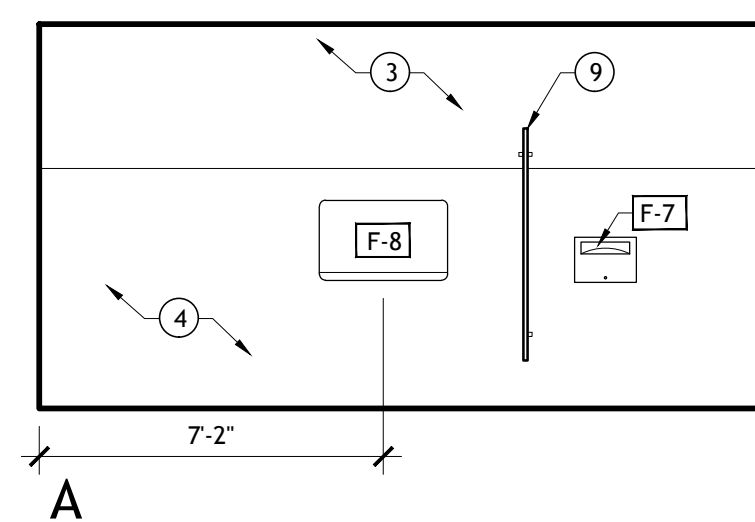
B Enlarged Demo Restroom RCP Plan
SCALE: X = 1'-0"



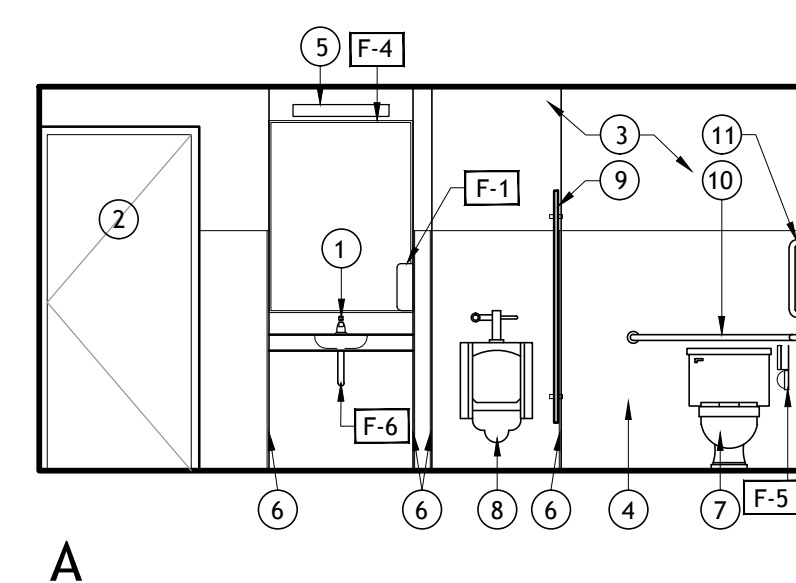
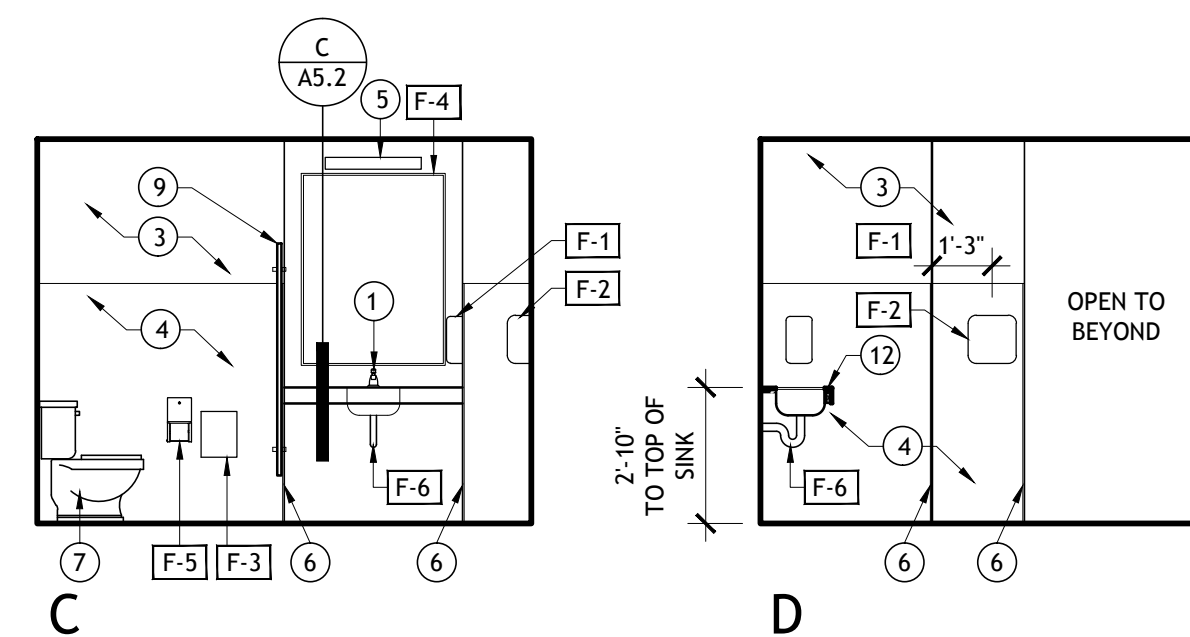
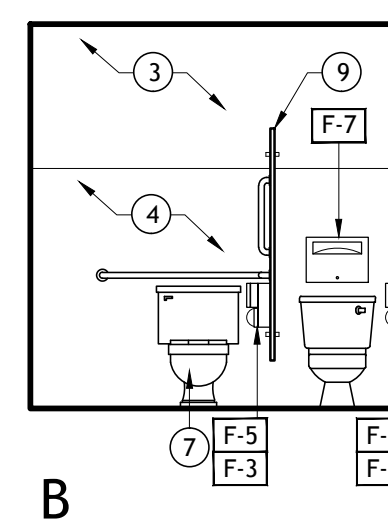
C Enlarged Restroom Plan
SCALE: X = 1'-0"



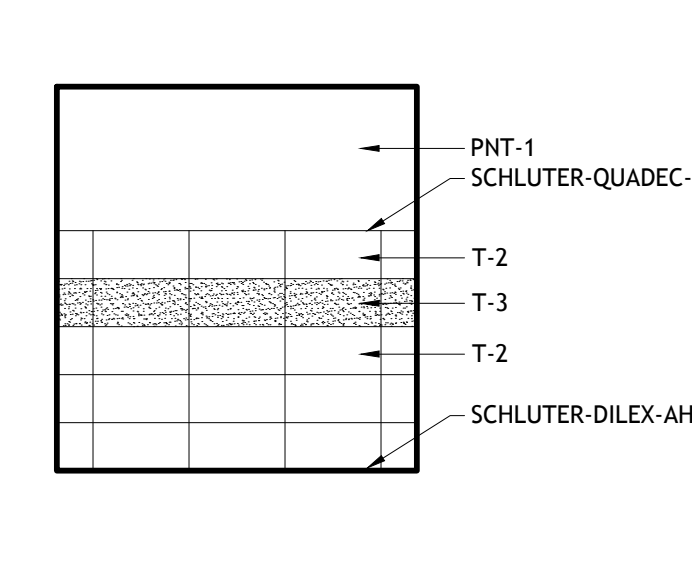
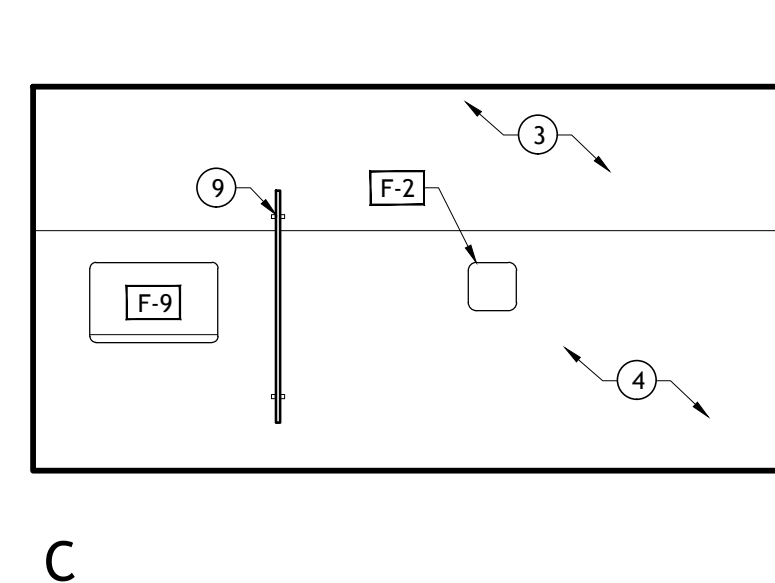
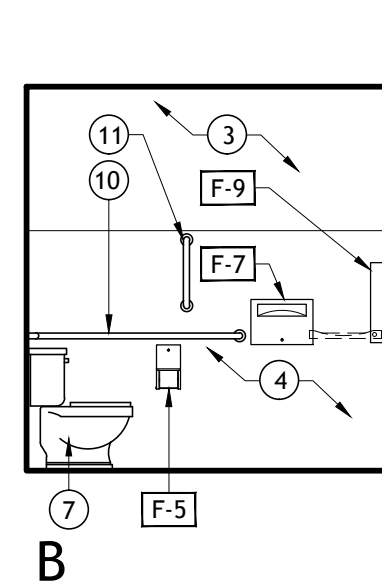
D Enlarged Restroom RCP Plan
SCALE: X = 1'-0"



1 Women's 110
SCALE: 1/4" = 1'-0"



2 Men's 111
SCALE: 1/4" = 1'-0"



3 Tile Pattern, Typ.
SCALE: 1/4" = 1'-0"

DEMO RR PLAN & RCP GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, EXTENT OF DEMOLITION, TYPES OF CONSTRUCTION & MATERIALS USED AND CRITICAL DIMENSIONS.
- COORDINATE LOCATIONS AND EXTENT OF SLAB REMOVAL WITH NEW CONSTRUCTION PLANS, ELECTRICAL AND MECHANICAL DRAWINGS. CONCRETE CUTS SHOULD OCCUR AT CENTER LINES OF NEW WALLS WHEREVER POSSIBLE. REPLACE CONC. SLAB THAT HAS BEEN REMOVED OR DAMAGED FLUSH TO AND MATCH ADJACENT FINISH.
- VERIFY STRUCTURAL SHORING OF BEARING MEMBERS PRIOR TO DEMOLITION.
- WHERE EXISTING BEARING WALLS ARE REMOVED, PATCH SLAB AND GRIND TOP OF STEM WALL TO MATCH FLOOR ON EITHER SIDE.
- PATCH AND REPAIR ALL FLOORS ADJACENT TO DEMOLITION OR EQUIPMENT REMOVAL. MATCH EXISTING ADJACENT SURFACES, AND NEW FINISHES AS NOTED.
- PROTECT UNDERGROUND UTILITIES THAT ARE TO REMAIN IN SERVICE BELOW CONCRETE SLAB TO BE REMOVED.
- REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS TO COORDINATE ADDITIONAL DEMOLITION REQUIREMENTS.
- COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION WITH NEW PLAN REQUIREMENTS. SALVAGE AND RE-USE EXISTING CONNECTIONS WHERE POSSIBLE.
- REMOVE (E) INTERIOR FLOOR AND WALL FINISHES, WHERE SHOWN AND PREPARE ALL SUBSTRATES TO RECEIVE NEW FINISHES IN ACCORDANCE WITH MANUFACTURER. PATCH/REPAIR (E) WALLS TO REMAIN TO MATCH ADJACENT SURFACE.

DEMO RR PLAN & RCP KEYED NOTES:

- REMOVE (E) WALL
- REMOVE (E) DOORS AND FRAMES
- REMOVE (E) COUNTERTOPS AND CASEWORK
- REMOVE (E) FLOORING. PREP SLAB FOR NEW TILE FINISH
- REMOVE (E) PLUMBING FIXTURES AND TOILET ROOM ACCESSORIES
- REMOVE (E) RECESSED TOWEL DISPENSER - PATCH & REPAIR WALL AS NEEDED FOR NEW WALL FINISH
- REMOVE (E) RECESSED WASTE RECEPTACLE - PATCH & REPAIR WALL AS NEEDED FOR NEW WALL FINISH
- REMOVE (E) TOILET PARTITION
- REMOVE (E) WALL FINISH - PREP FOR NEW TILE FINISH
- (E) MIRROR TO BE REUSED - REMOVE & PROTECT FROM DAMAGE
- (E) BABY CHANGING STATION TO BE REUSED IN MEN'S RESTROOM - REMOVE & PROTECT FROM DAMAGE
- REMOVE (E) LIGHT FIXTURES. PATCH AND REPAIR CEILING AS NEEDED.
- (E) HEADER/WALL TO BE REMOVED - PATCH CEILING AS NEEDED.

ENLARGED RR PLAN & RCP GENERAL NOTES:

- ALL DIMENSIONS ARE TO FACE OF EXISTING WALL OR CENTER OF WALL, UNLESS NOTED OTHERWISE.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.
- REFER TO TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND ACCESSIBILITY DETAILS ON SHEET A0.4 AND A0.5 FOR ADDITIONAL INFORMATION. REFER TO TYPICAL CLEAR FLOOR AREAS FOR FIXTURES AND DOORS ON SHEETS A0.4 AND A0.5
- ALL NEW PLUMBING FIXTURES TO BE INSTALLED IN SAME LOCATION AS EXISTING TO UTILIZE PLUMBING CONNECTIONS

ENLARGED RR PLAN & RCP KEYED NOTES:

- NEW DOOR & FRAME - SEE SCHEDULE
- NEW TOILET PARTITIONS
- NEW TOILET & ACCESSORIES - SEE ELEVATIONS
- NEW URINAL
- NEW SOLID SURFACE COUNTER & UNDERMOUNT SINK
- RELOCATED (E) BABY CHANGING STATION FROM WOMEN'S RESTROOM
- NEW HAND DRYER - SEE MECHANICAL/ELECTRICAL
- NEW BABY CHANGING STATION
- NEW TILE FLOORING FINISH
- PATCH CEILING WHERE DEMO OCCURS
- NEW LIGHT FIXTURE - SEE ELECTRICAL
- NEW VANITY FIXTURE - SEE ELECTRICAL

ELEVATIONS GENERAL NOTES:

- DIMENSIONS OF PLUMBING EQUIPMENT, FIXTURES, AND TOILET PARTITIONS ARE FROM FACE OF WALL FINISH TO CENTERLINE OF FIXTURES/EQUIPMENT, U.O.N.
- PROVIDE BLOCKING IN WALLS BEHIND ALL WALL HUNG ELEMENTS, INCLUDING BUT NOT LIMITED TO MIRRORS, PAPER TOWEL DISPENSERS, GRAB BARS, SOAP DISPENSERS, CABINETS, TVS, ETC.
- SEE ELECTRICAL DRAWINGS FOR POWER AND DATA LOCATIONS.
- ALL DATA/POWER/PHONE OUTLETS TO BE 18" A.F.F. UNLESS NOTED OTHERWISE.
- SEE ACCESSIBILITY DETAILS SHEETS FOR MISC. EQUIPMENT AND TOILET ACCESSORIES HEIGHTS.
- ALL MECHANICAL GRILLES/DIFFUSERS TO BE PAINTED TO MATCH CEILING/WALL, TYP.

ELEVATIONS KEYED NOTES:

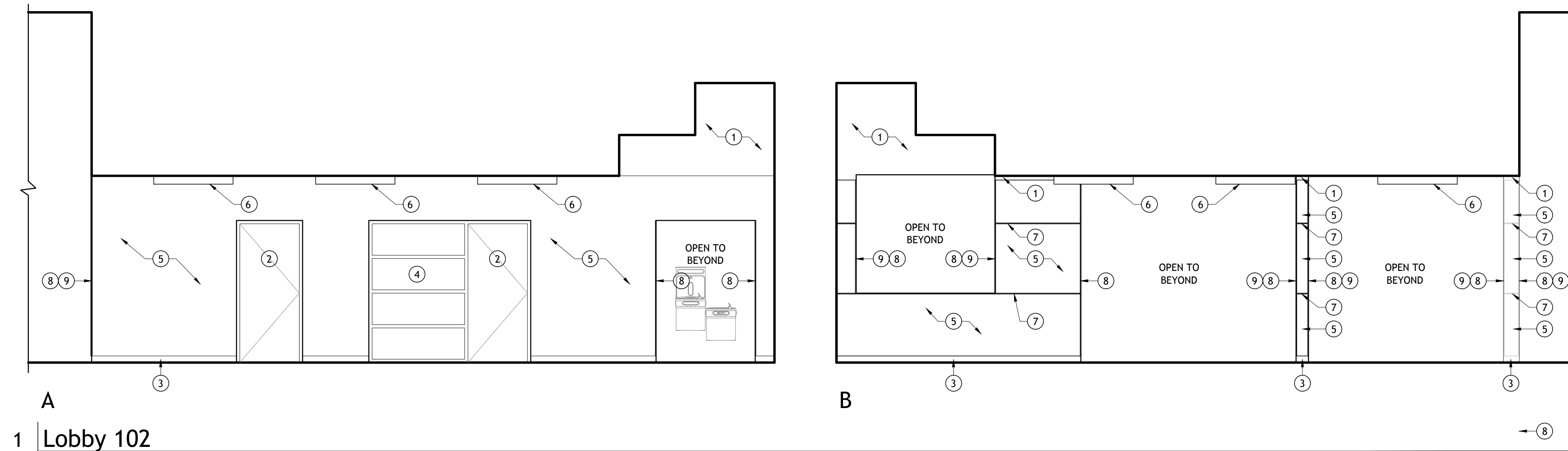
- SINK AND FAUCET AS SPECIFIED - SEE PLUMBING
- DOOR & FRAME - SEE SCHEDULE
- GWB, PAINT AS SPECIFIED ON ROOM FINISH SCHEDULE
- TILE WAINSCOT AS SPECIFIED ON ROOM FINISH SCHEDULE. SEE 3/A4.1 FOR TILE PATTERN.
- VANITY FIXTURE
- STAINLESS STEEL EDGE PROTECTION: SCHLUTER-ECK-E-EB
- TOILET - SEE PLUMBING
- URINAL - SEE PLUMBING
- TOILET PARTITION - SEE SPECIFICATIONS
- HORIZONTAL GRAB BAR
- VERTICAL GRAB BAR
- SOLID SURFACE COUNTER

FIXTURE AND ACCESSORY LEGEND

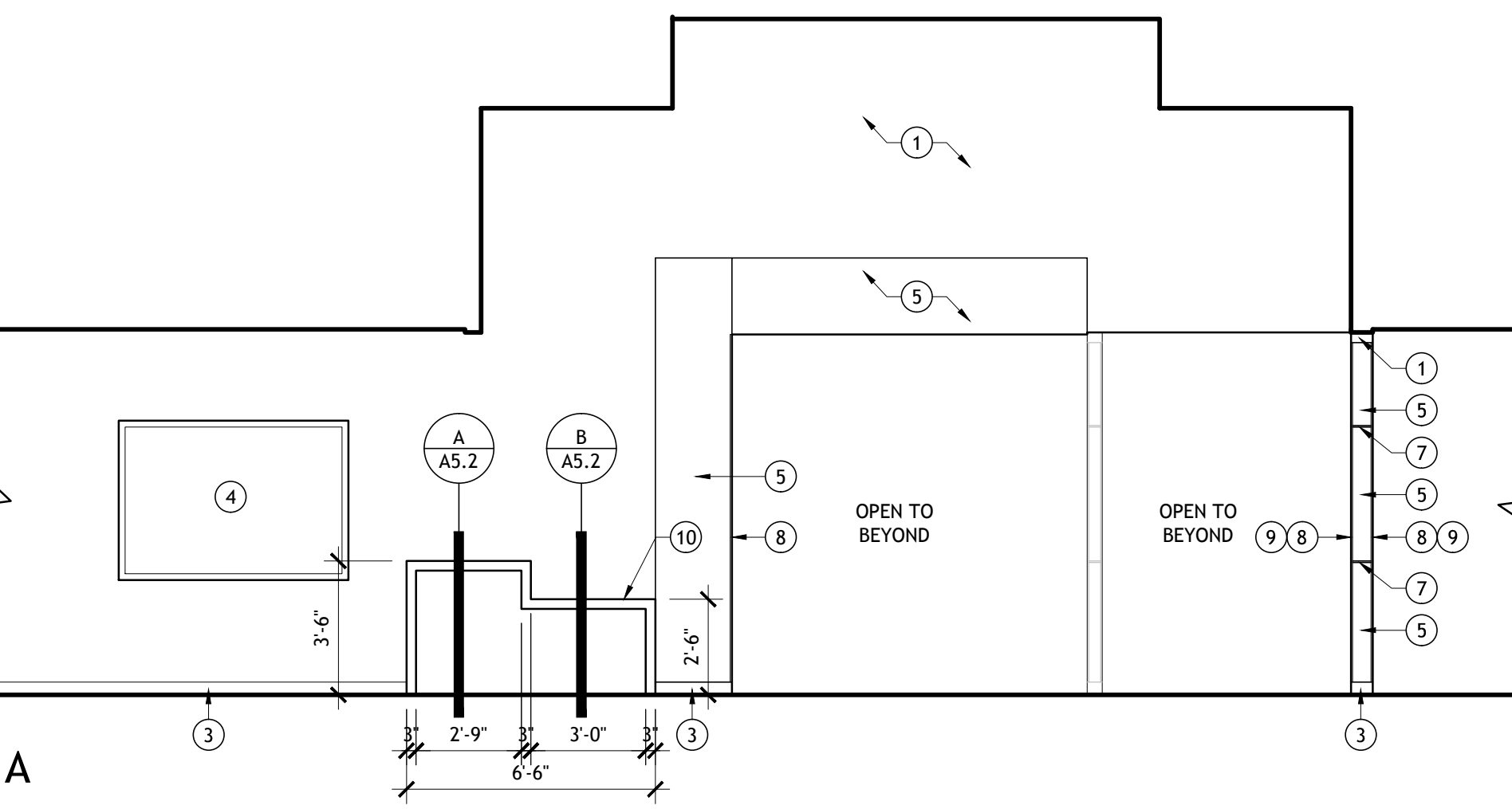
- F-1** AUTOMATIC SOAP DISPENSER - GP PRO enMOTION GEN2 AUTOMATIC TOUCHLESS SOAP & SANITIZER DISPENSER, BLACK
- F-2** HAND DRYER - SEE MECHANICAL/ELECTRICAL
- F-3** SANITARY NAPKIN DISPOSAL - BOBRICK, CONTURA SERIES B-270
- F-4** MIRROR - (E) TO BE REUSED
- F-5** TOILET TISSUE DISPENSER - BOBRICK, CONTURA SERIES B-4288
- F-6** ADA PIPING PROTECTION - TRUBRO LAV GUARD 2
- F-7** SEAT COVER DISPENSER - BOBRICK, CONTURA SERIES B-4221
- F-8** HORIZONTAL, WALL MOUNTED BABY CHANGING STATION - KOALA KARE KB200-00
- F-9** HORIZONTAL, WALL MOUNTED BABY CHANGING STATION - (E) TO BE REUSED/RELOCATED FROM WOMEN'S ROOM

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A4.1



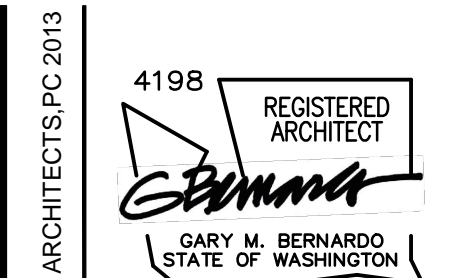
1 Lobby 102
SCALE: 1/4" = 1'-0"



2 Service Desk 103
SCALE: 1/4" = 1'-0"

- Elevations General Notes**
- PROVIDE BLOCKING IN WALLS BEHIND ALL WALL HUNG ELEMENTS, INCLUDING BUT NOT LIMITED TO MIRRORS, PAPER TOWEL DISPENSERS, GRAB BARS, SOAP DISPENSERS, CABINETS, TVS, ETC.
 - SEE ELECTRICAL DRAWINGS FOR POWER AND DATA LOCATIONS.
 - ALL DATA/POWER/PHONE OUTLETS TO BE 18" A.F.F. UNLESS NOTED OTHERWISE.
 - SEE ACCESSIBILITY DETAILS SHEETS FOR MISC. EQUIPMENT AND TOILET ACCESSORIES HEIGHTS.
 - ALL MECHANICAL GRILLES/DIFFUSERS TO BE PAINTED TO MATCH CEILING/WALL, TYP.
 - PROVIDE 1/2" CHAMFER AT ALL MDF EDGES, TYP. - PAINT.

- Elevations Keyed Notes**
- GWB, PNT - SEE FINISH PLAN
 - DOOR & FRAME - SEE SCHEDULE
 - RUBBER BASE, TYP.
 - WINDOW - SEE SCHEDULE
 - MDF/PNT - SEE FINISH PLAN
 - SURFACE MOUNTED LED FIXTURE - SEE ELECTRICAL
 - 1/2" GWB REVEAL - PNT
 - FRY REGLET "X" MOLDING - SEE DETAIL D/A5.2
 - WRAP MDF AROUND CORNER
 - CHECK OUT DESK - SEE INTERIOR DETAILS



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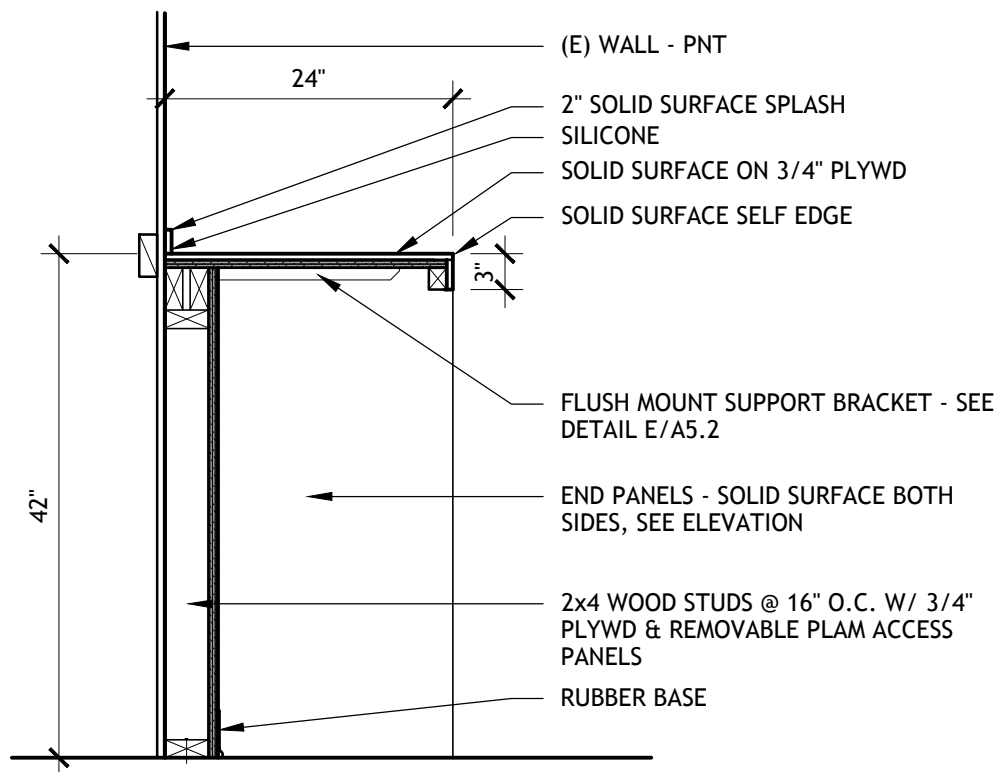
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INTERIOR ELEVATIONS

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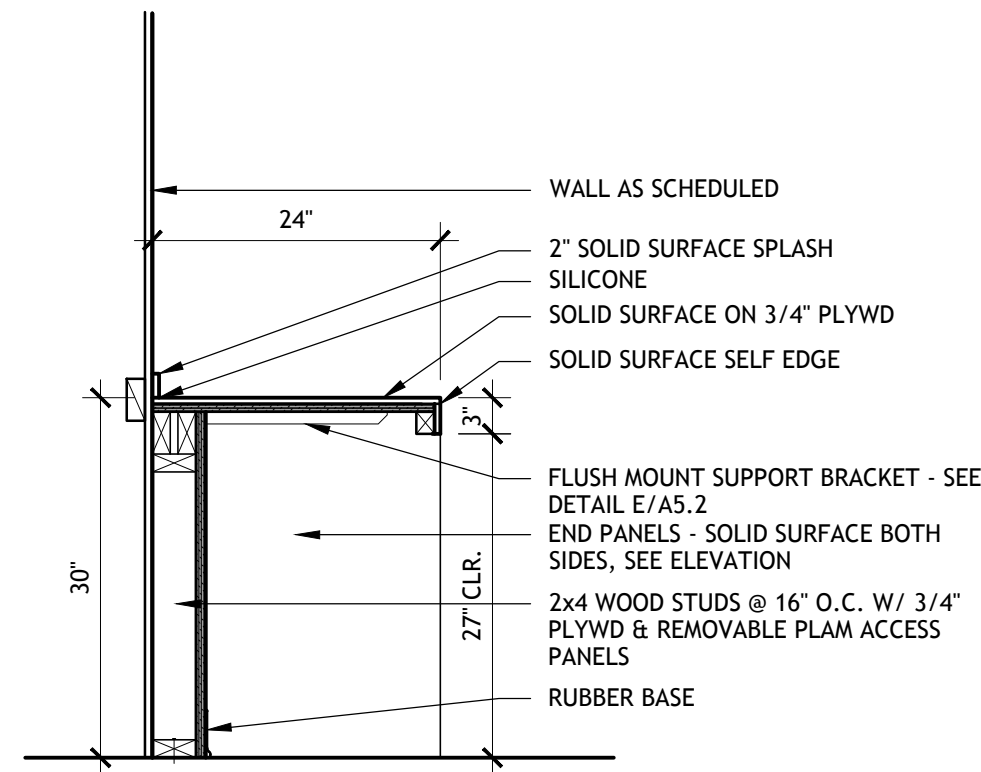
A5.1



*PROVIDE (2) GROMMET, CAP & LINER - VERIFY FINAL LOCATIONS W/ OWNER. COLOR RO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.

A Self Check Out Counter

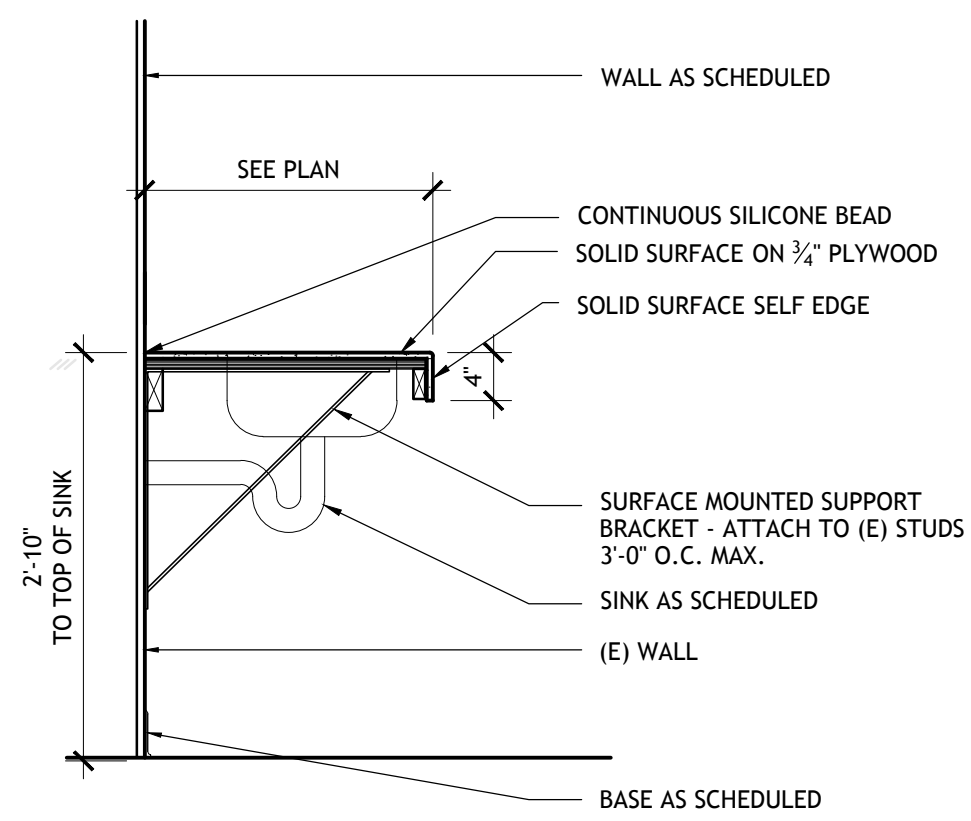
SCALE: 3/4" = 1'-0"



*PROVIDE (1) GROMMET, CAP & LINER - VERIFY FINAL LOCATION W/ OWNER. COLOR RO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.

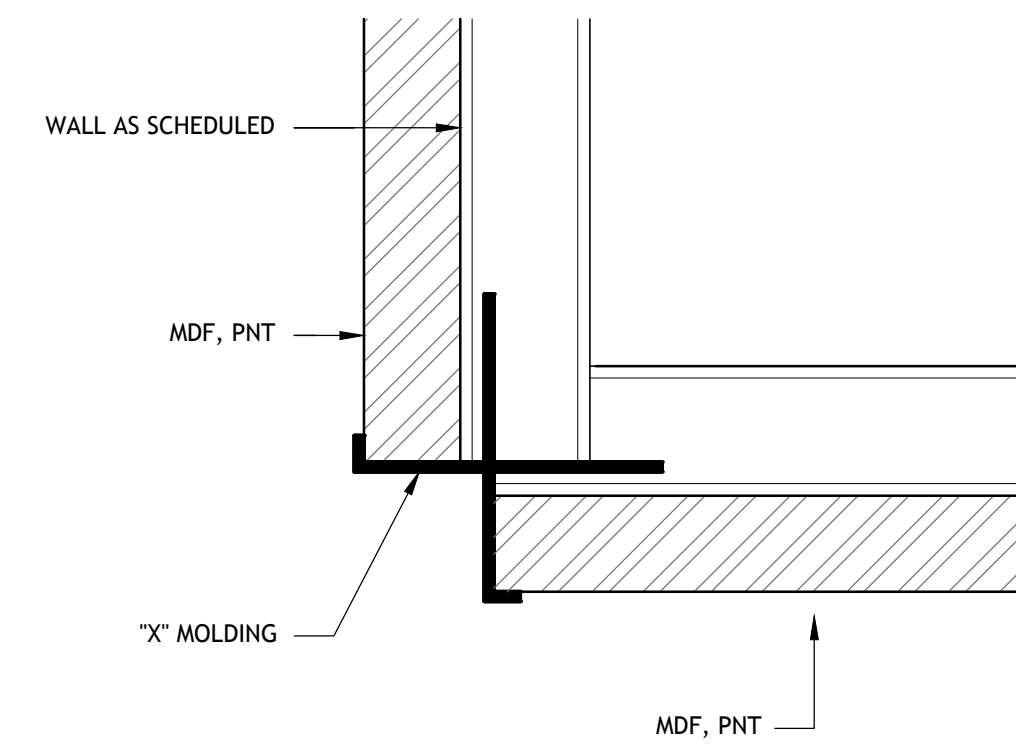
B ADA Self Check Out Counter

SCALE: 3/4" = 1'-0"



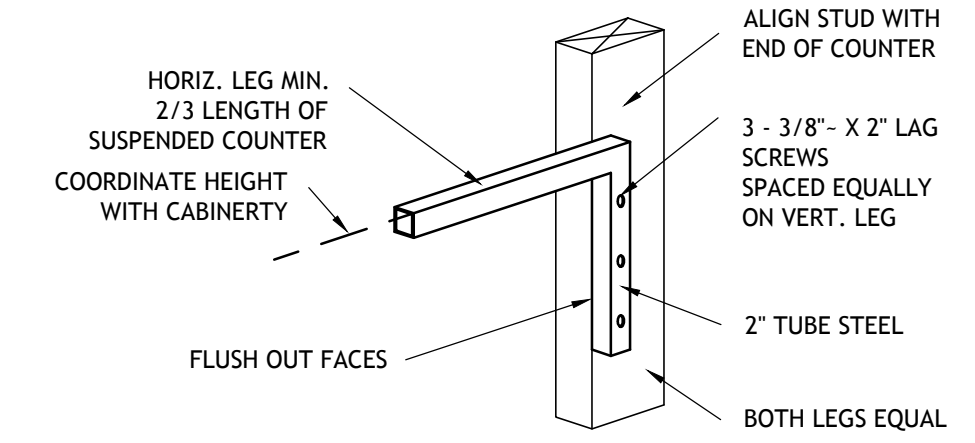
C Sink Counter, Typ.

SCALE: 3/4" = 1'-0"



D Wall Transition - MDF @ 90° Corners

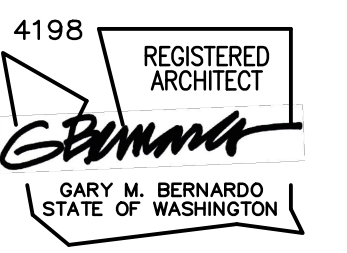
SCALE: FULL



E Counter Support Detail @ Self Check Out

SCALE: NTS

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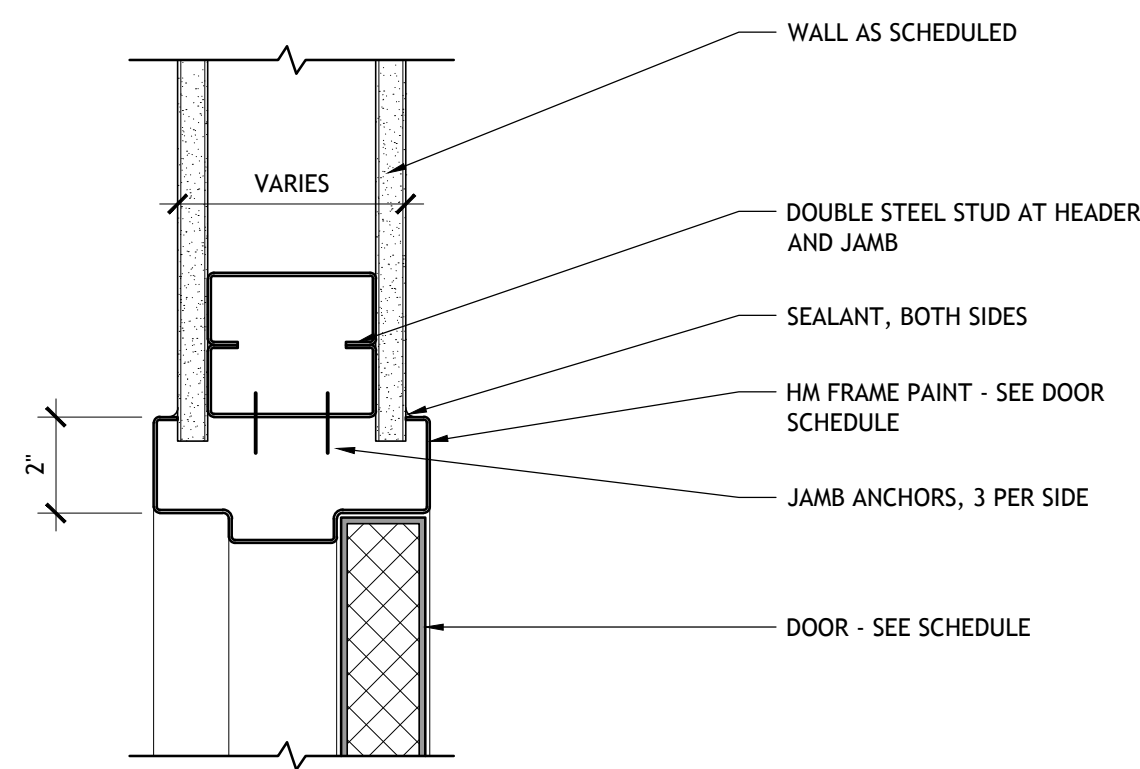
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INTERIOR DETAILS

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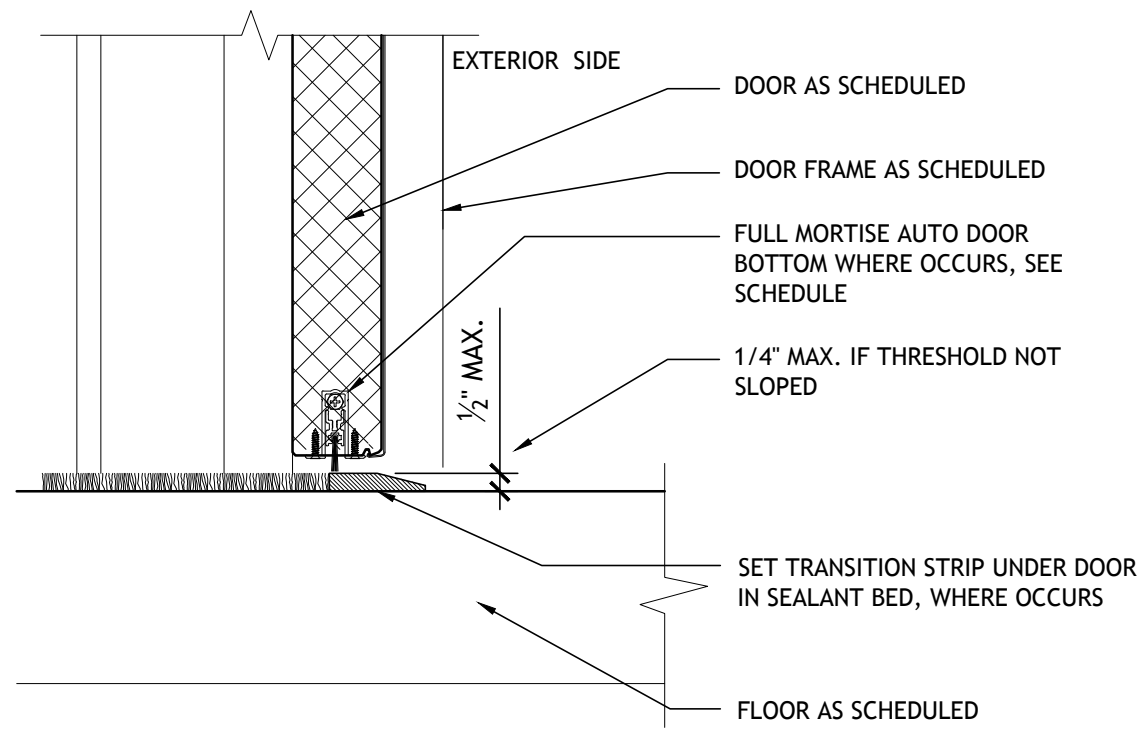
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A5.2



1 Int. HM Door Head (Jamb Sim)

SCALE: 3" = 1'-0"



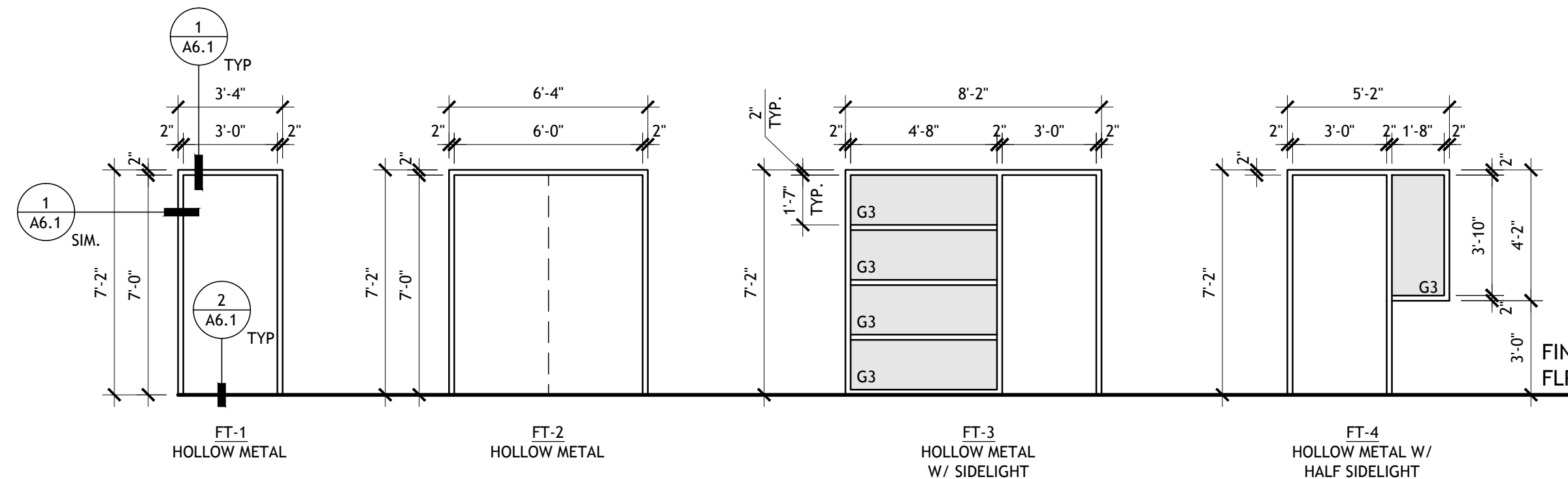
2 Int. Door Threshold

SCALE: 3" = 1'-0"

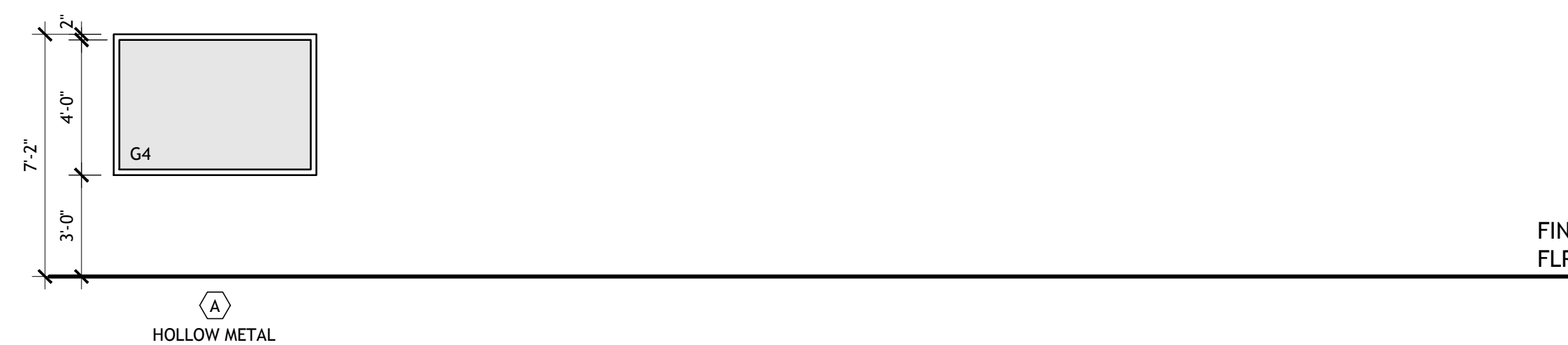
DOOR SCHEDULE														
DOOR NO.	SIZE	DOOR				FRAME			DETAILS			LABEL	HWDR	NOTES
		TYPE	MATL	FIN	GLAZ	TYPE	MATL	FIN	HEAD	JAMB	THRESH			
101A	PR 3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	(E)	-	-	-	-	HW-1	1
101B	PR 3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	(E)	-	-	-	-	HW-1	1
103A	3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	(E)	-	-	-	-	(E)	
103B	PR 3'-0" x 7'-0"	DT-1	WD	STN	-	FT-2	HM	MP	-	-	-	-	HW-2	
104A	3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	MP	-	-	-	-	(E)	4
107A	3'-0" x 7'-0"	(E)	(E)	PT	-	(E)	(E)	PT	-	-	-	-	(E)	3
107B	3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	(E)	-	-	-	-	(E)	
108A	3'-0" x 7'-0"	(E)	(E)	PT	-	(E)	(E)	PT	-	-	-	-	(E)	3
109A	3'-0" x 7'-0"	(E)	(E)	(E)	-	(E)	(E)	PT	-	-	-	-	(E)	3
110A	3'-0" x 7'-0"	DT-1	WD	STN	-	FT-1	HM	MP	-	-	-	-	HW-4	2
111A	3'-0" x 7'-0"	DT-1	WD	STN	-	FT-1	HM	MP	-	-	-	-	HW-4	2
113A	3'-0" x 7'-0"	DT-1	WD	STN	-	FT-3	HM	MP	-	-	-	-	HW-3	
114A	3'-0" x 7'-0"	DT-1	WD	STN	-	FT-4	HM	MP	-	-	-	-	HW-3	
115A	3'-0" x 7'-0"	DT-1	WD	STN	-	FT-1	HM	MP	-	-	-	-	HW-2	



DOOR TYPES



FRAME TYPES



WINDOW TYPES

Hardware Schedule

- NOTE:
 1. VERIFY ALL HARDWARE WITH OWNER PRIOR TO ORDER
 2. EXISTING DOOR HARDWARE TO BE REUSED, VERIFY AND MATCH ANY NEW REQUIRED WITH BUILDING STANDARD.
 3. FOLLOWING PROVIDED FOR BASIS OF DESIGN
- HW - 1 (EXISTING ENTRY)
 NEW AUTOMATIC DOOR OPERATOR- SEE DOOR SCHEDULE NOTE #1 (ALL OTHER HARDWARE TO REMAIN AS EXISTING)
- HW - 2 (UTILITY)
 3EA HINGES
 1EA STORAGE FUNCTION LOCKSET
 1EA CLOSER
 1EA WALL STOP
 3EA SILENCER
- HW - 3 (OFFICE)
 3EA HINGES
 1EA OFFICE FUNCTION LOCKSET
 1EA WALL STOP
 3EA SILENCER
- HW - 4 (RESTROOMS)
 3EA HINGES
 1EA PASSAGE FUNCTION LOCKSET
 1EA WALL STOP
 3EA SILENCER

General Door Notes

- ALL INTERIOR DOORS TO BE 1 3/4" THICK, UNLESS NOTED OTHERWISE.
- REDUCER STRIPS (THRESHOLDS) & FLOORING TRANSITIONS WHERE INDICATED SHALL BE CENTERED UNDER DOORS.
- COORDINATE ALL KEYING WITH OWNER.
- 2" DOOR / RELITE FRAME, 2" AT SILLS TYP. U.N.O.
- ALL DOOR / RELITE FRAME OVERALL DIMENSIONS ARE ROUGH OPENING DIMENSIONS. FIELD VERIFY PRIOR TO THE INSTALLATION WORK.
- ALL GLAZING TO MATCH EXISTING, UNLESS OTHERWISE NOTED.
- ALL EXTERIOR DOORS TO INCLUDE AIR TIGHT, WATER TIGHT WEATHER STRIPING AND BOTTOM SWEEPS.
- ALL ASSEMBLIES TO FIT AIR TIGHT AND WATER TIGHT TO WALL SYSTEM AND INTEGRATED AIR, WEATHER OR VAPOR BARRIERS.

Door Schedule Notes

- RETROFIT NEW AUTOMATIC DOOR OPERATOR DEVICE AND CONTROL BUTTONS. SEQUENCE DOORS AND PROVIDE TIME DELAY AS REQUIRED. COORDINATE BUTTON LOCATIONS WITH ARCHITECT. SEE ELECTRICAL FOR ADDITIONAL INFORMATION
- NEW DOORS, FRAME & HARDWARE PER ALTERNATE #1. BASE BID WILL RE-USE EXISTING DOORS, FRAME & HARDWARE, RE-PAINT DOOR & FRAME.
- PAINT EXISTING WOOD DOOR, FRAME AND TRIM.
- PAINT EXISTING HOLLOW METAL DOOR AND FRAME.

Abbreviations

ACT	ACOUSTICAL CEILING TILE
AL	ALUMINUM
CPT	CARPET TILE
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
FF	FACTORY FINISH
FRP	FIBER REINFORCED PANEL
GWB	GYP SUM WALL BOARD
HM	HOLLOW METAL
IMP	INTERIOR METAL PANEL
LVT	LUXURY VINYL TILE
MTL	METAL
PL/PLAM	PLASTIC LAMINATE
PT	PAINT
RB	RUBBER BASE
RR/RT	RUBBER RISER AND RUBBER TREAD
TL	TILE
VCT	VINYL COMPOSITE TILE
TBD	TO BE DETERMINED
WOM	WALK OFF MAT
SLR	ACID ETCHED & SEALER
SS	SOLID SURFACE
OTS	OPEN TO STRUCTURE

Glazing Types

- G1 = 1" INSULATED LOW-E GLASS
 G2 = 1" INSULATED TEMPERED LOW-E GLASS
 G3 = 1/4" TEMPERED GLASS
 G4 = 1/4" GLASS

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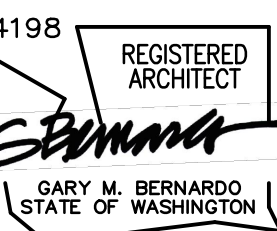
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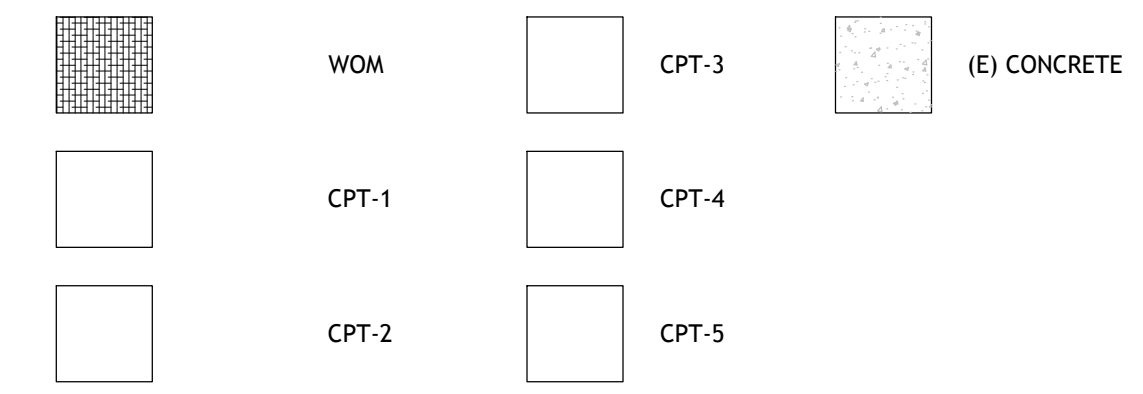
A6.1

DOOR SCHEDULE

FINISH FLOOR PLAN NOTES

- CARPET PATTERN TO ALIGN WITH CASEWORK
- T-4 FULL HEIGHT BACKSPLASH
- PROVIDE FULL HEIGHT CORNERGUARD.

FINISH FLOOR PLAN LEGEND

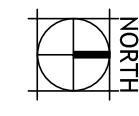
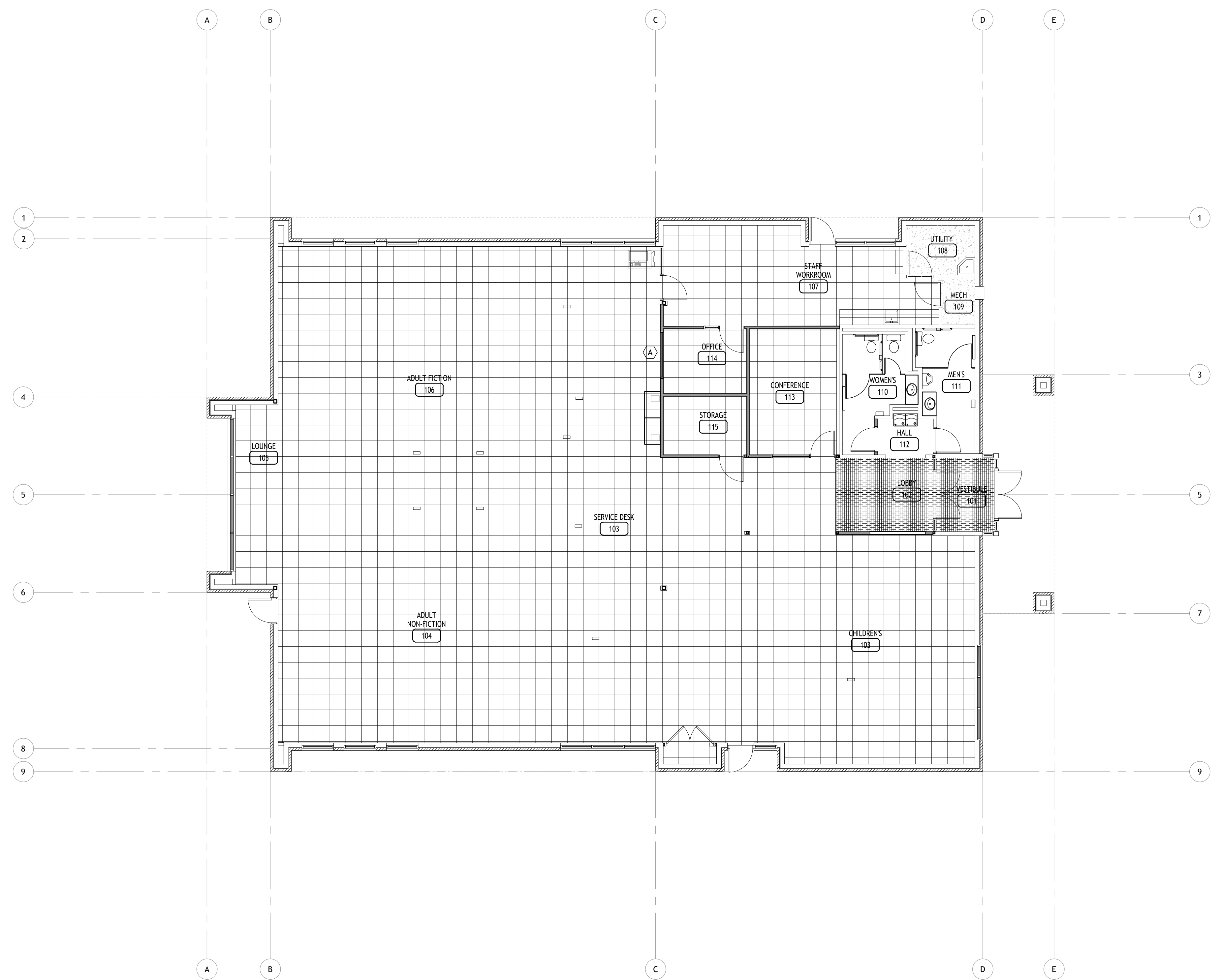


ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	PNT	PAINT
CPT	CARPET TILE	RB	RUBBER BASE
EXP	EXPOSED	TBD	TO BE DETERMINED
FF	FACTORY FINISH	T	TILE
PL	PLASTIC LAMINATE	WOM	WALK OFF MAT
SLD	SEALED	CONC	CONCRETE
GWB	GYPSON WALL BOARD	UNO	UNLESS NOTED OTHERWISE
TYP	TYPICAL	MDF	MEDIUM DENSITY FIBERBOARD
SSM	SOLID SURFACE MATERIAL		

FINISH LEGEND

BASE		PAINT	
RB-1	MFR.: JOHNSONITE TRADITIONAL 4" RUBBER BASE COLOR: 20 CHARCOAL WG	PNT-1 FIELD	MFR.: SHERWIN WILLIAMS COLOR: SHOJI WHITE SW 7042 SATIN FINISH
WALK OFF MAT		PNT-2 ACCENT	MFR.: SHERWIN WILLIAMS COLOR: INTELLECTUAL GRAY SW 7045 SATIN FINISH
WOM	MFR.: MOHAWK/LEES COLLECTION: TUFF STUFF STYLE: STEP UP II TILE COLOR: COBALT 955 SIZE: 24" X 24" INSTALLATION: MONOLITHIC	PNT-3 ACCENT	MFR.: SHERWIN WILLIAMS COLOR: HEP GREEN SW 6704 SATIN FINISH
CARPET		PNT-4 ACCENT	MFR.: SHERWIN WILLIAMS COLOR: PULSATING BLUE SW 6964 SATIN FINISH
CPT-1	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	PNT-5 HM FRAMES	MFR.: SHERWIN WILLIAMS COLOR: PORPOISE SW 7047 SEMI-GLOSS FINISH
CPT-2	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	PLASTIC LAMINATE	
CPT-3	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	PL-1	MFR.: FORMICA COLOR: TBD FINISH: MATTE LOCATION: SELF CHECK OUT
CPT-4	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	TILE	
CPT-5	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	T-1	MFR.: SANT' AGOSTINO STYLE: SHADEBOX COLOR / SIZE: SHADEWOOD GREY 15120 / 6X48 GROUT: CUSTOM BUILDING PRODUCTS, #335 WINTER GRAY
CPT-6	MFR.: SHAW STYLE: TBD COLOR / SIZE: TBD / 24X24 INSTALLATION: TBD	T-2	MFR.: MARAZZI STYLE: ALTERATIONS COLOR / SIZE: AT&G LINEN / 12X24 GROUT: CUSTOM BUILDING PRODUCTS, #101 QUARTZ
CEILING		T-3	MFR.: SANT' AGOSTINO STYLE: SHADEBOX COLOR / SIZE: SHADEWOOD MIX 30120 / 12X48 GROUT: CUSTOM BUILDING PRODUCTS, #101 QUARTZ
ACT-1	MFR.: MATCH (E) PRODUCT: MATCH (E) STYLE: MATCH (E) SIZE: 2' X 2' SUSPENSION SYSTEM: MATCH (E)	SOLID SURFACE MATERIAL	
ACT-2	MFR.: MATCH (E) PRODUCT: MATCH (E) STYLE: MATCH (E) SIZE: 2' X 4' SUSPENSION SYSTEM: MATCH (E)	SSM	MFR.: COLOR:

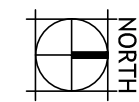
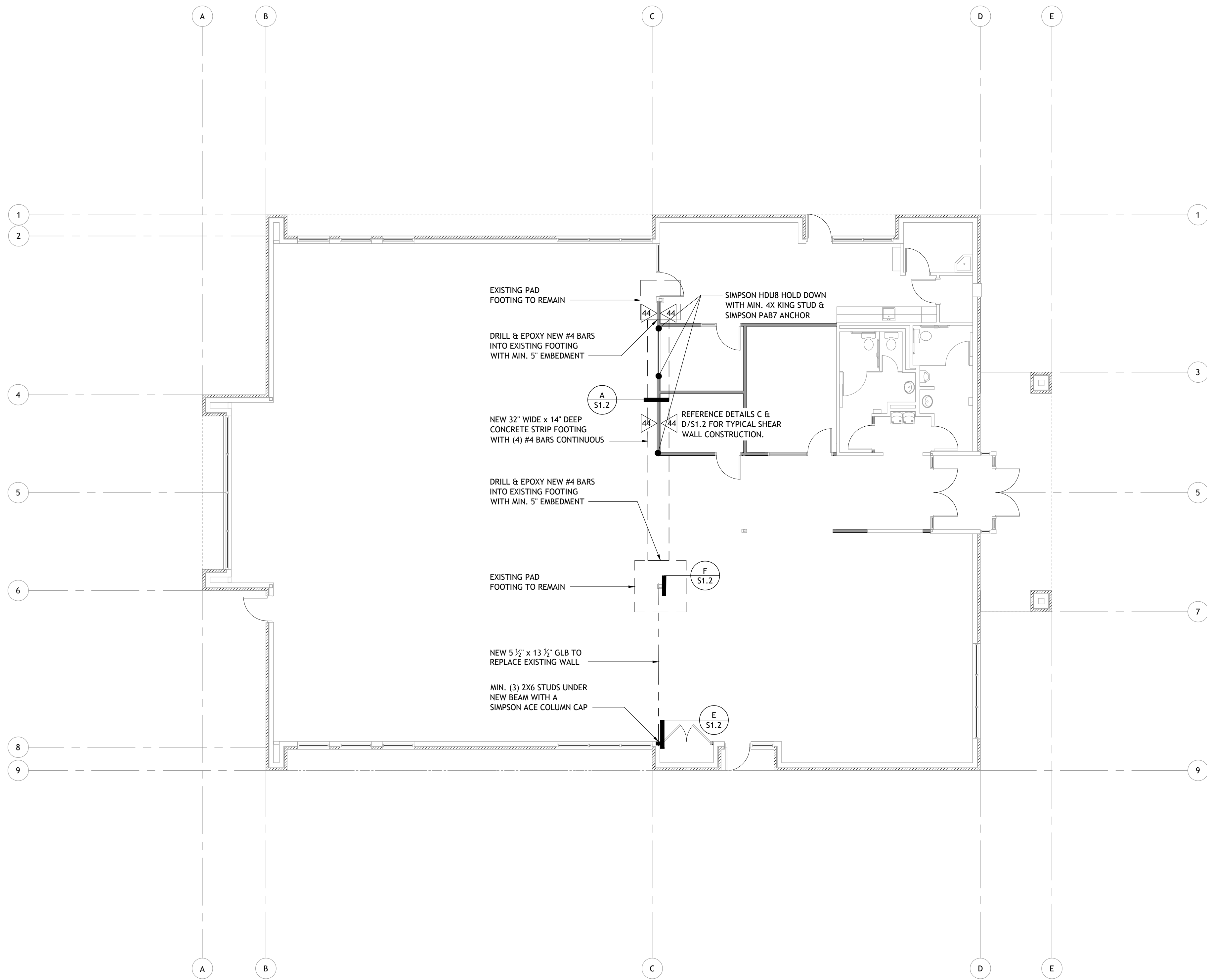


1 Finish Floor Plan
SCALE: 1/8"=1'-0"

ROOM FINISH SCHEDULE																
ROOM NO.	ROOM NAME	FLOORING		BASE	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		NOTES	ROOM NO.
		MATL	FIN		MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN		
101	VESTIBULE	WOM	FF	RB	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT		101
102	LOBBY	WOM/CPT	FF	RB	PNT	GWB	GWB/MDF	PNT	-	-	GWB/MDF	PNT	GWB	PNT		102
103	SERVICE DESK	CPT	FF	RB	GWB/MDF	PNT	-	-	-	-	-	-	ACT-1/GWB	FF/PNT		103
103	CHILDRENS	CPT	FF	RB	(E) GWB	PNT	(E) GWB	PNT	-	-	GWB/PNT	PNT	ACT-1/GWB	FF/PNT		103
104	ADULT NON-FICTION	CPT	FF	RB	-	-	(E) GWB	PNT	(E) GWB	PNT	-	-	ACT-1/GWB	FF/PNT		104
105	LOUNGE	CPT	FF	RB	-	-	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	ACT-1/GWB	FF/PNT		105
106	ADULT FICTION	CPT	FF	RB	GWB	PNT	-	-	(E) GWB	PNT	(E) GWB	PNT	ACT-1/GWB	FF/PNT		106
107	STAFF WORKROOM	CPT	FF	RB	(E) GWB	PNT	GWB	PNT	GWB	PNT	(E) GWB	PNT	ACT-2	FF		107
108	UTILITY	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)		108
109	MECH	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)		109
110	WOMENS	(E) SVF	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	SEE ALTERNATE #1, SHEET 4.1	110
111	MENS	(E) SVF	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	SEE ALTERNATE #1, SHEET 4.1	111
112	HALL	(E) T	(E)	RB	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	(E) GWB	PNT	SEE ALTERNATE #1, SHEET 4.1	112
113	CONFERENCE	CPT	FF	RB	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	ACT-1	FF		113
114	OFFICE	CPT	FF	RB	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	ACT-2	FF		114
115	STORAGE	CPT	FF	RB	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	ACT-2	FF		115

1 STRUCTURAL PLAN

SCALE: 1/8"=1'-0"

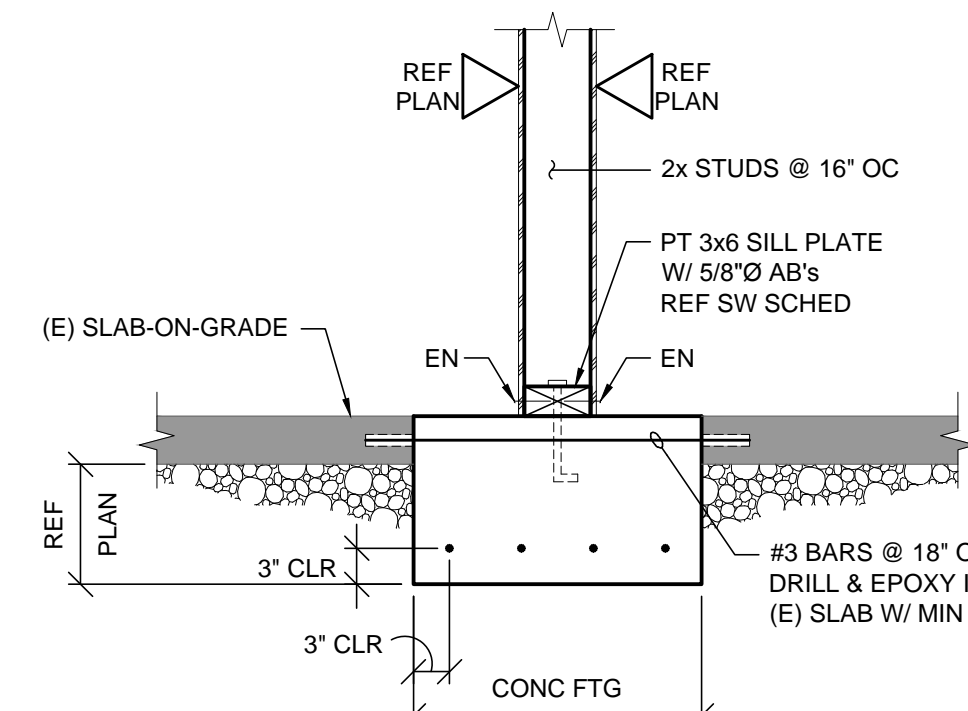


GENERAL NOTES

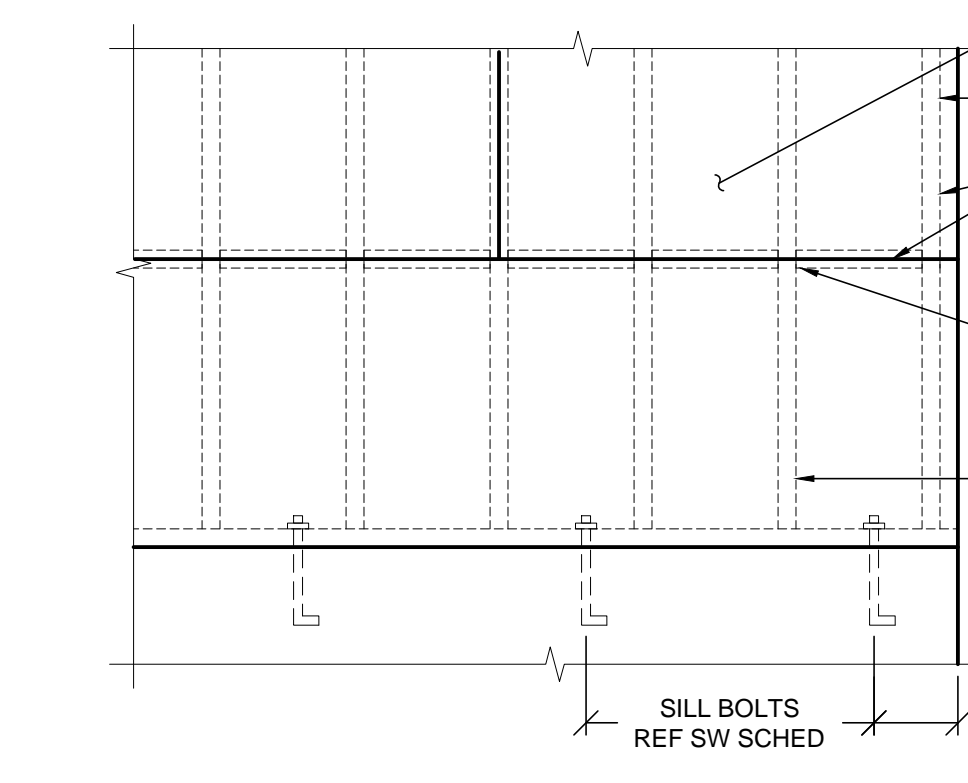
- I. **GENERAL REQUIREMENTS**
 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO ECLIPSE ENGINEERING, HENCEFORTH REFERRED TO AS THE ENGINEER.
 2. USE WRITTEN DIMENSIONS. DO NOT USE SCALED DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
 3. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LAYOUT OF THE EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE THE ERECTION OF THE WORK SPECIFIED IN THESE DRAWINGS. EXISTING BUILDING ELEMENTS ARE IDENTIFIED FOR REFERENCE WITH THE PREFIX (E).
 4. DETAILS IN THE DRAWINGS PREPARED WITH THE TITLE "TYPICAL" MAY NOT NECESSARILY BE REFERENCED ON THE PLANS, BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE NO DETAIL IS REFERENCED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE THE RELEVANT TYPICAL DETAIL FROM THOSE PROVIDED.
 5. THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, SHORING OF EXISTING BUILDING ELEMENTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE ERECTION OF THE FRAMING AND OF THE LATERAL-LOAD-RESISTING SYSTEM IS COMPLETE.
 6. THE ENGINEER HOLDS NO LIABILITY FOR UNAUTHORIZED CHANGES TO THE CONSTRUCTION DOCUMENTS MADE BY THE OWNER, CONTRACTOR, BUILDING OFFICIAL, OR OTHER INVOLVED PARTY.
 7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS, INCLUDING OSHA. THE CONTRACTOR SHALL EXECUTE THEIR WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS ASSOCIATED WITH THE WORK.
- II. **CAST-IN-PLACE CONCRETE**
 1. **CONCRETE:**
 - A. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301, UNLESS OTHERWISE NOTED.
 - B. REQUIRED COMPRESSIVE STRENGTH, f_c :
 - i. CONCRETE ELEMENTS EXPOSED TO THE EXTERIOR GROUND AND WEATHER OR UNCONDITIONED SPACE OF THE BUILDING: 4500 PSI AT 28 DAYS, NORMAL WEIGHT. MAXIMUM WATER TO CEMENT RATIO = 0.45.
 - ii. CONCRETE ELEMENTS WITHIN THE CONDITIONED SPACE OF THE BUILDING: 3000 PSI AT 28 DAYS, NORMAL WEIGHT.
 - iii. IF THE CONTRACTOR ELECTS TO REPLACE THE CEMENT IN THE CONCRETE MIX WITH HIGH-VOLUME FLY ASH, IT IS PERMISSIBLE TO ESTABLISH f_c AT 56 DAYS. THE CONTRACTOR SHALL COORDINATE THE DURATION OF SHORING AND TEMPORARY BRACING ACCORDINGLY.
 - C. DURABILITY REQUIREMENTS:
 - i. CONCRETE ELEMENTS EXPOSED TO THE EXTERIOR GROUND AND WEATHER OR UNCONDITIONED SPACE OF THE BUILDING: PROVIDE TOTAL AIR CONTENT IN ACCORDANCE WITH ACI 318, CHAPTER 19, PER THE FOLLOWING TABLE. TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE +/- 1.5%:

NOMINAL MAXIMUM AGGREGATE SIZE	TOTAL AIR CONTENT EXPOSURE CLASS F1
1/2"	5.5%
3/4"	5%
1"	4.5%
1 1/2"	4.5%
 - ii. ALL OTHER CONCRETE: NO REQUIREMENTS.
 - D. THE CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CONSTRUCTION OR POUR JOINTS TO THE ARCHITECT AND ENGINEER FOR REVIEW.
 - E. ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS AND AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE TO 1/4" AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
 2. **REINFORCING STEEL:**
 - A. TYPICAL REINFORCING: ASTM A615 GRADE 40 FOR #3 BARS, ASTM A615 GRADE 60 FOR #4 BARS TO #7 BARS, AND ASTM A706 GRADE 60 FOR #8 BARS AND LARGER.
 - B. REINFORCING TO BE WELDED: ASTM A706 GRADE 60.
 - C. DEFORMED BAR ANCHORS: ASTM A496, $F_y = 70$ KSI.
 - D. PROVIDE CLEARANCE AND COVER OF REBAR AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - i. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
 - ii. FORMED SURFACES EXPOSED TO EARTH OR WEATHER, #5 BARS AND SMALLER: 1 1/2 INCHES
 - iii. FORMED SURFACES EXPOSED TO EARTH OR WEATHER, #6 BARS AND LARGER: 2 INCHES
 - iv. INTERIOR SLABS, WALLS, AND JOISTS: 3/4 INCHES
 - v. BEAMS AND COLUMNS: 1 1/2 INCHES TO TRANSVERSE REINFORCING
 - E. UNLESS OTHERWISE NOTED, REINFORCING BARS SHALL BE SPLICED WITH 50-BAR-DIAMETER LAPS, MINIMUM.
 - F. REINFORCING SHALL BE SUPPORTED PRIOR TO CONCRETING IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1.
 - G. REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315.
 - H. WELDING OF REINFORCING IS PERMITTED ONLY WHERE SHOWN IN THE DRAWINGS. WELDING SHALL CONFORM TO AWS D1.4, STRUCTURAL WELDING CODE - STEEL.
- III. **POST-INSTALLED ANCHORS**
 1. ADHESIVE ANCHORS AND DOWELS IN CONCRETE: SET-XP (ICC-ES ESR-2506) OR AT-XP (IAPMO UES E-263) BY SIMPSON STRONG-TIE OR HIT-HY 200 (ICC-ES ESR-3187) BY HILTI.
 2. ADHESIVE ANCHORS AND DOWELS IN REINFORCED MASONRY: SET-XP (IAPMO UES E-265) OR AT-XP (IAPMO UES E-263) BY SIMPSON STRONG-TIE.
 3. EXPANSION ANCHORS IN CONCRETE: STRONG-BOLT 2 (ICC-ES ESR-3037) BY SIMPSON STRONG-TIE OR KWIK BOLT TZ (ICC-ES ESR-1917) BY HILTI.
 4. EXPANSION ANCHORS IN MASONRY: STRONG-BOLT 2 (IAPMO UES ESR-240) BY SIMPSON STRONG-TIE.
 5. SCREW ANCHORS IN CONCRETE: TITEN HD (ICC-ES ESR-2713) BY SIMPSON STRONG-TIE OR KWIK HUS-EZ (ICC-ES ESR-3027) BY HILTI.
 6. SCREW ANCHORS IN MASONRY: TITEN HD (ICC-ES ESR-1056) BY SIMPSON STRONG-TIE OR KWIK HUS-EZ (ICC-ES ESR-3069) BY HILTI.
 7. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL POST-INSTALLED ANCHORS, INCLUDING REQUIREMENTS FOR INSTALLING ANCHORS NEAR HEAD OR BED JOINTS IN MASONRY WALLS.
 8. PROVIDE STAINLESS STEEL FASTENERS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE ELECTRO-PLATED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS NOTED OTHERWISE.
 9. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF (2) ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE OR MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, SEEK GUIDANCE FROM THE ENGINEER.
 10. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH POST-INSTALLED ANCHORS.
 11. SUBSTITUTIONS: SUBSTITUTE PRODUCTS SHALL HAVE AN ASSOCIATED ICC-ES OR IAPMO EVALUATION REPORT AND THE CONTRACTOR MUST DEMONSTRATE PERFORMANCE IS EQUIVALENT TO THE SPECIFIED PRODUCTS. SUBSTITUTIONS WILL NOT BE CONSIDERED UNLESS THIS INFORMATION IS SUBMITTED.
- IV. **WOOD FRAMING**
 1. **MEMBERS**
 - A. **SAWN LUMBER:** NO. 2 DOUGLAS FIR/LARCH, WYPA GRADING RULES
 - i. ALL LUMBER SHALL BE KILN DRIED WITH A MOISTURE CONTENT LESS THAN 19%.
 - ii. SILLS AND PLATES IN CONTACT WITH MASONRY OR CONCRETE, AND WITHIN 6" OF GRADE, SHALL BE PRESSURE-TREATED DOUGLAS FIR/LARCH. MUD SILL SHALL BE 2x MINIMUM THICKNESS OF THE SAME OR GREATER WIDTH AS THE STUDS ABOVE.
 - iii. WALL FRAMING SHALL BE 2x6 STUDS @ 16" O.C. UNLESS OTHERWISE NOTED. PROVIDE DOUBLE 2x6 TOP PLATE WITH MINIMUM 45" LAP SPLICED WITH (8) 16d COMMON NAILS MINIMUM, STAGGERED, UNLESS OTHERWISE NOTED.
 - iv. PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITION WALLS, UNLESS OTHERWISE NOTED.
 - v. JOISTS AND RAFTERS SHALL HAVE A 1 1/2" MINIMUM BEARING OR SHALL BE SEATED IN METAL HANGERS.
 - vi. BLOCKING SHALL BE SOLID 2x MATERIAL WITH THE SAME DEPTH AS THE JOIST OR RAFTER AND SHALL BE TIGHTLY FITTED BETWEEN JOISTS OR RAFTERS.
 - vii. FASTEN BEAMS, COLUMNS, TRIMMER STUDS, AND KING STUDS COMPOSED OF MULTIPLE 2x MEMBERS WITH TWO ROWS OF 10d NAILS @ 12" ON CENTER THROUGH LENGTH OR HEIGHT, STAGGERED TO PREVENT SPLITTING, BETWEEN EACH PLY.
 - viii. BUILT-UP 2x LUMBER BEAMS SHALL NOT BE SUBSTITUTED FOR SOLID TIMBER BEAMS.
 - B. TIMBERS: NO. 1 DOUGLAS FIR/LARCH, WYPA GRADING RULES.
 - i. TIMBERS USED IN TRUSS CONSTRUCTION SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 12 PERCENT BEFORE ASSEMBLING THE TRUSS.
 - C. **GLUED LAMINATED TIMBER:**
 - i. GLUED LAMINATED TIMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AITC 117 AND AITC A190.1.
 - ii. GLUED LAMINATED TIMBER SHALL BE OF THE FOLLOWING GRADES, UNLESS NOTED OTHERWISE:
 - a. SINGLE SPAN MEMBERS: COMBINATION 24F-V4
 - b. MULTI-SPAN & CANTILEVERED MEMBERS: COMBINATION 24F-V8
 2. **WOOD STRUCTURAL PANELS**
 - A. WALLS: MINIMUM 7/16" THICK, 240 SPAN RATING; PANEL GRADE: APA RATED SHEATHING. NAILING, UNLESS NOTED OTHERWISE:
 - i. 8d @ 4" O.C. AT PANEL EDGES.
 - ii. 8d @ 12" O.C. AT INTERMEDIATE STUDS.
 - B. WOOD STRUCTURAL PANELS SHALL CONFORM TO VOLUNTARY PRODUCT STANDARDS PS 1 AND PS 2 AND APA PRP-108 PERFORMANCE STANDARDS.
 - C. ALL SHEATHING SHALL BEAR THE APA TRADEMARK AND GRADE STAMP.
 - D. ALL END JOINTS SHALL BE STAGGERED AND SHALL BUTT ALONG THE CENTER LINES OF FRAMING MEMBERS.
 - E. THE LONG DIMENSION OF PANELS SHALL BE INSTALLED PERPENDICULAR TO SUPPORTS WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS.
 - F. PANELS SHALL NOT BE LESS THAN 4' x 8', EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING. THE MINIMUM PANEL DIMENSION FOR FLOOR SHEATHING AT BOUNDARIES SHALL BE 24" UNLESS ALL EDGES OF THE UNDERSIZED PANELS ARE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING.
 - G. NAILS SHALL BE COMMON WIRE NAILS (NOT BOX OR SINKER NAILS) AND BE PLACED 3/8" MINIMUM FROM THE EDGE OF THE PANELS. THE MINIMUM NAIL PENETRATION INTO FRAMING MEMBERS SHALL BE 1 1/2" FOR 8d NAILS AND 1 5/8" FOR 10d NAILS.
 - H. WHERE SPECIAL INSPECTIONS ARE REQUIRED, PANEL NAILING SHALL BE INSPECTED PRIOR TO COVERING.
 3. **FASTENERS AND FRAMING ANCHORS AND CONNECTORS:**
 - A. **NAILS:** COMMON WIRE NAILS
 - i. 8d = 0.131" DIA. x 2 1/2" LONG
 - ii. 10d = 0.148" DIA. x 3" LONG
 - iii. 16d = 0.162" DIA. x 3 1/2" LONG.
 - B. **LAG BOLTS AND THRU-BOLTS:** ASTM A307
 - i. THRU-BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT DIAMETER. PROVIDE STANDARD CUT WASHER UNDER ALL HEAD AND NUTS FOR BOLTS BEARING ON WOOD.
 - ii. INSTALL LAG BOLTS IN DRILLED PILOT HOLES EQUAL TO 3/4 TIMES THE BOLT SHANK DIAMETER. DO NOT HAMMER OR OVER-DRIVE BOLTS. PROVIDE STANDARD CUT WASHER UNDER ALL LAG BOLT HEADS BEARING ON WOOD.
 - C. **WOOD SCREWS:** AS SPECIFIED ON PLANS.
 - D. **FRAMING ANCHORS AND CONNECTORS:** SIMPSON STRONG-TIE, ICC-ES ESR 2523, OR APPROVED EQUAL.
 - E. **METAL CONNECTORS AND TREATED LUMBER:**
 - i. ALL METAL CONNECTORS IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL, BATCH-POST HOT-DIP GALVANIZED PER ASTM A123 OR A153, OR PROPRIETARY EQUIVALENT.
 - ii. FASTENERS ARE TO MATCH THE FINISH AND MATERIAL OF THE CONNECTORS.
 4. **CUTTING, BORING, AND NOTCHING OF WOOD MEMBERS:**
 - A. **STUDS:**
 - i. IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING OF STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.
 - ii. A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH MAY BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 80 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NONBEARING PARTITIONS OR IN ANY WALL WHERE EACH BORED STUD IS DOUBLED, PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE DOUBLED STUDS ARE SO BORED. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8 INCH TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH.
 - B. **JOISTS AND RAFTERS:**
 - i. NOTCHES AT THE ENDS OF JOISTS AND RAFTERS SHALL NOT EXCEED ONE FOURTH THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF JOISTS OR RAFTERS SHALL NOT EXCEED ONE SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE ONE THIRD OF THE SPAN, EXCEPT THAT A NOTCH NOT EXCEEDING ONE THIRD OF THE DEPTH IS PERMITTED IN THE TOP OF A RAFTER OR CEILING JOIST NOT FURTHER FROM THE FACE OF THE SUPPORT THAN THE DEPTH OF THE MEMBER.
 - ii. HOLES BORED IN JOISTS OR RAFTERS SHALL NOT BE WITHIN 2 INCHES OF THE TOP AND BOTTOM AND THEIR DIAMETER SHALL NOT EXCEED ONE THIRD THE DEPTH OF THE MEMBER.
 - C. **BEAMS:**
 - i. NOTCHES ARE NOT PERMITTED UNLESS APPROVED OR DETAILED BY THE ENGINEER, SUBJECT TO THE FOLLOWING LIMITATIONS. NOTCHES IN SAWN LUMBER BENDING MEMBERS SHALL NOT EXCEED ONE SIXTH THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, WHERE MEMBERS ARE NOTCHED AT THE ENDS, THE NOTCH DEPTH SHALL NOT EXCEED ONE FOURTH THE BEAM DEPTH. THE TENSION SIDE OF SAWN LUMBER BENDING MEMBERS OF 4 INCHES IN NOMINAL THICKNESS SHALL NOT BE NOTCHED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
 - ii. HOLES FOR PIPES, ETC. SHALL NOT BE BORED IN SAWN LUMBER BENDING MEMBERS OF 4 INCHES OR GREATER WITHOUT SPECIFIC DETAILS FROM THE ENGINEER.
 - D. **ENGINEERED LUMBER AND PREFABRICATED WOOD JOISTS:** CONFORM TO MANUFACTURER'S RESTRICTIONS FOR CUTTING, BORING, AND NOTCHING.
 7. **GENERAL:**
 - A. FOR CONNECTIONS FOR WOOD MEMBERS NOT SHOWN ON THESE DRAWINGS OR IN THESE NOTES, USE THE IBC FASTENING SCHEDULE, TABLE 2304.10.1.
 - B. ALL EXTERIOR WOOD SHALL BE PRESSURE TREATED, PAINTED OR STAINED. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNER. FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR EXTERIOR APPLICATIONS.
 - C. ALL NON-BEARING WALLS BELOW FLOOR FRAMING AND PREFABRICATED TRUSSES SHALL BE SLIP CONNECTED TO ALLOW FOR POTENTIAL FRAMING DEFLECTION.

- iii. ALL LAMINATED MEMBERS SHALL BE INDUSTRIAL APPEARANCE GRADE, UNLESS NOTED OTHERWISE.
- D. **ENGINEERED LUMBER:**
 - i. **LAMINATED VENEER LUMBER (LVL):**
 - a. MINIMUM DESIGN PROPERTIES FOR 1 3/4"-WIDE MEMBERS: $F_b = 2,800$ PSI, $E = 2,000,000$ PSI, $F_v = 285$ PSI
 - b. MINIMUM DESIGN PROPERTIES FOR 3 1/2" AND WIDER MEMBERS: $F_b = 3,100$ PSI, $E = 2,000,000$ PSI, $F_v = 310$ PSI
 - c. LVL MEMBERS SHALL NOT BE USED IN EXTERIOR APPLICATIONS OR AGAINST CONCRETE.
 - d. FASTEN MULTI-PLY LVL BEAMS OR JOISTS TOGETHER WITH TWO ROWS OF 10d NAILS @ 12" ON CENTER THROUGH LENGTH, STAGGERED TO PREVENT SPLITTING, BETWEEN EACH PLY. PROVIDE (8) ADDITIONAL 10d NAILS BETWEEN EACH PLY DISTRIBUTED CLOSELY TO THE VICINITY OF CONCENTRATED LOADS ON MEMBERS FROM FLUSH-SUPPORTED BEAMS OR JOISTS.
 - ii. **PARALLEL STRAND LUMBER (PSL):**
 - a. MINIMUM DESIGN PROPERTIES: $F_b = 2,900$ PSI, $E = 2,000,000$ PSI, $F_v = 290$ PSI
 - b. PSL MEMBERS USED IN EXTERIOR APPLICATIONS, OR AGAINST CONCRETE, SHALL BE APPROVED BY THE MANUFACTURER FOR USE IN THE EXPOSURE CONDITION TO WHICH THEY ARE SUBJECT.
 - iii. **LAMINATED STRAND LUMBER (LSL):**
 - a. MINIMUM DESIGN PROPERTIES: $F_b = 2,325$ PSI, $E = 1,550,000$ PSI, $F_v = 310$ PSI



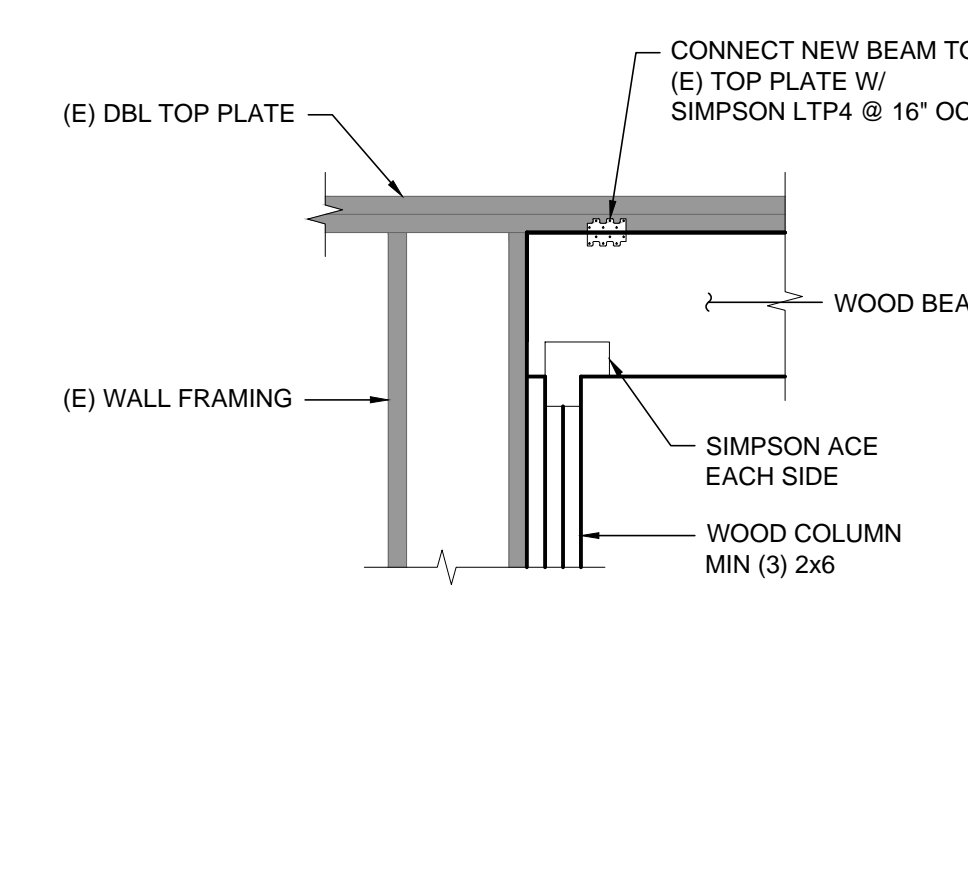
A SCALE: 3/4" = 1'-0"



B SCALE: 3/4" = 1'-0"

NOTES:
 1. MIN EDGE DISTANCE FOR NAILS SHALL BE 3/8"
 2. MIN SHEATHING SHEET SIZE SHALL BE 2'-0"x4'-0"

C TYPICAL SHEARWALL SCALE: 3/4" = 1'-0"

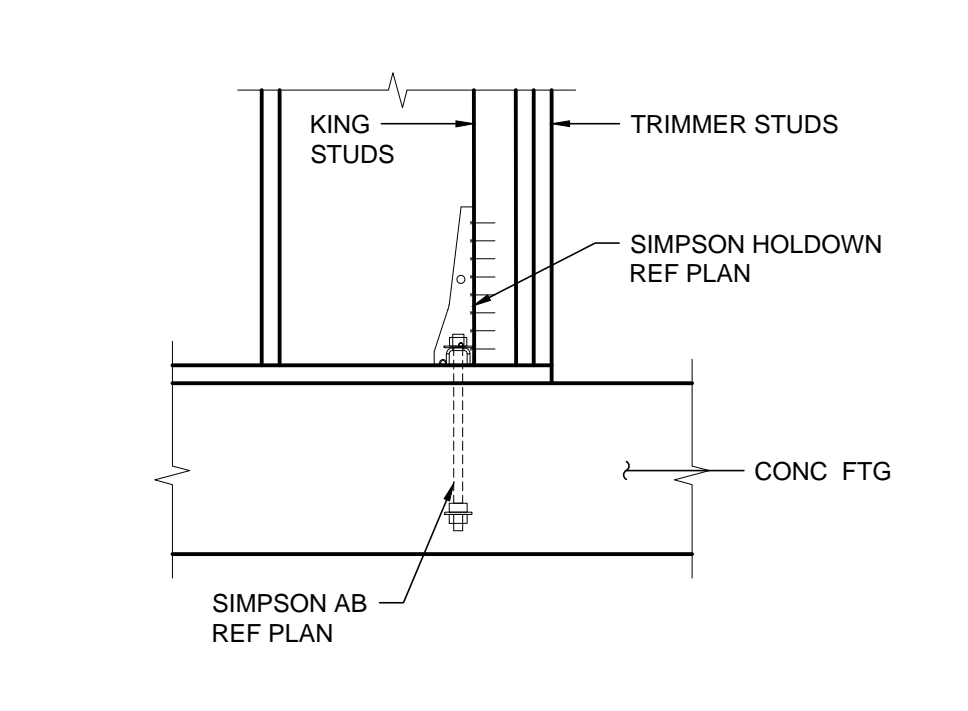
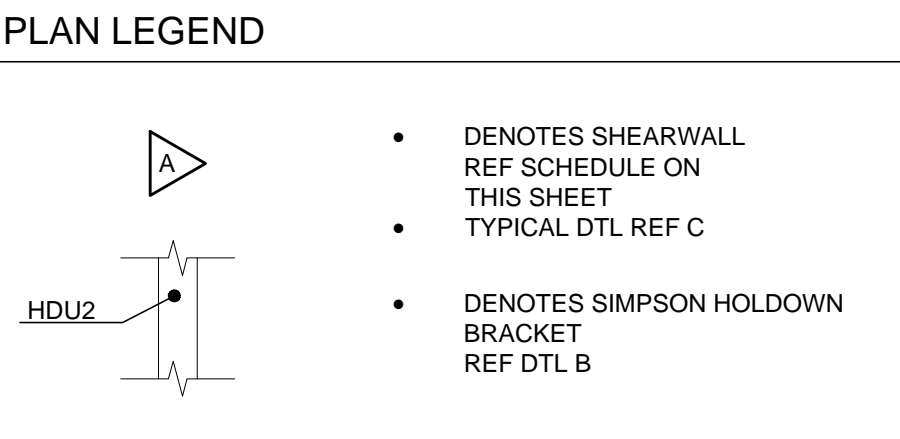


D SCALE: 3/4" = 1'-0"

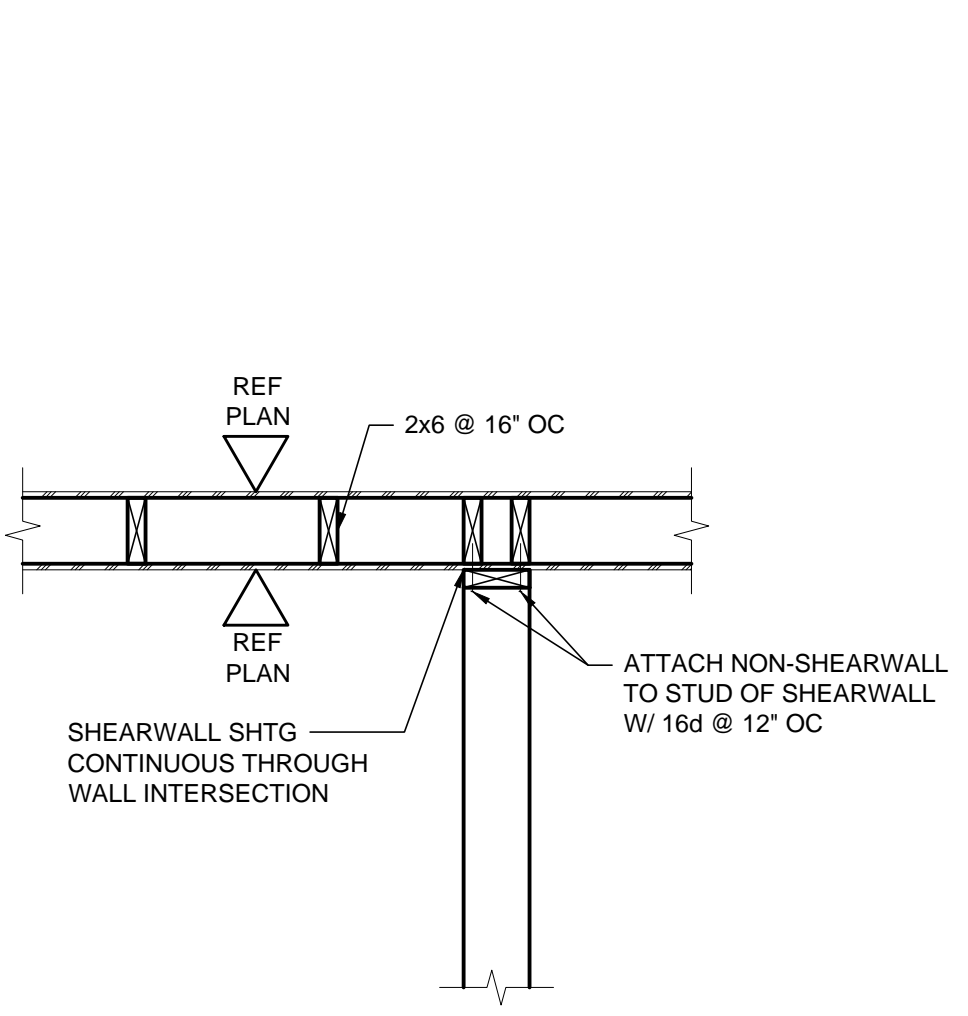
E TYPICAL BEAM POCKET SCALE: 3/4" = 1'-0"

ABBREVIATION LIST

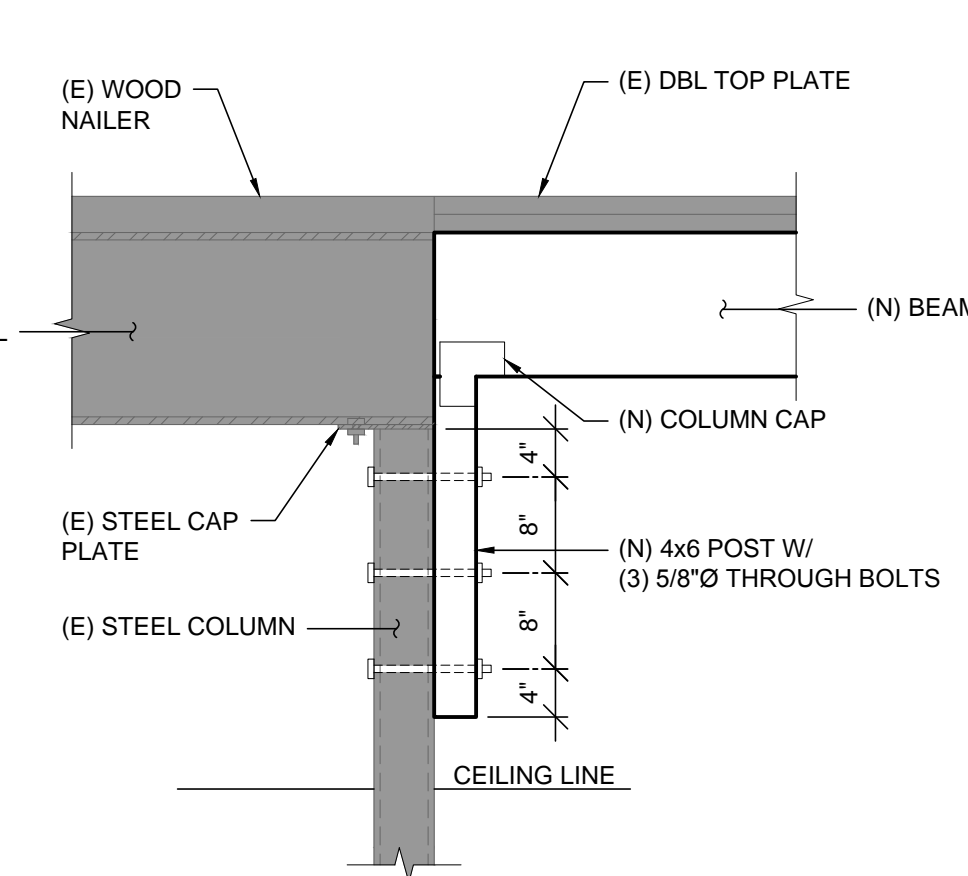
AB	ANCHOR BOLT	HAS	HEADED ANCHOR STUD
ABV	ABOVE	HORIZ	HORIZONTAL
ARCH/L	ARCHITECTURAL	KB	KNEE BRACE
BD	BOARD	MECH/L	MECHANICAL
BLKG	BLOCKING	MFR	MANUFACTURER
BLW	BELOW	(N)	NEW
BN	BOUNDARY NAILING	NTS	NOT TO SCALE
BTM	BOTTOM	OC	ON CENTER
BTWN	BETWEEN	OPN/G	OPENING
CANT	CANTILEVER	OPP	OPPOSITE
C/CL	CENTERLINE	OSB	ORIENTED STRAND BOARD
CMU	CONCRETE MASONRY UNITS	PL	PLATE
COL	COLUMN	PLCS	PLACES
CONC	CONCRETE	PLYWD	PLYWOOD
CONN	CONNECTION	PT	PRESSURE TREATED
CP	CONCRETE PIER	RAD	RADIUS
DBL	DOUBLE	REF	REFERENCE
DJ	DECK JOIST	REQ'D	REQUIRED
EA	DEEP	RR	ROOF RAFTER
(E)	EXISTING	SHTG	SHEATHING
EP	EACH	SIM	SIMILAR
ELEV	ELEVATION	STD	STANDARD
EN	EDGE NAILING	STRUCT/L	STRUCTURAL
EJ	EACH WAY	SUBFLR	SUBFLOOR
EW	FLOOR JOIST	SW	SHEARWALL
FLR	FLOOR	TBE	TIE BEARING ELEVATION
FND	FOUNDATION	TO	TOP OF
FTG	FOOTING	TOB	TOP OF BEAM ELEVATION
FW	FOUNDATION WALL	TOF	TOP OF FOOTING ELEVATION
GA	GAUGE	TOP	TOP OF PIER ELEVATION
GC	GENERAL CONTRACTOR	TOS	TOP OF SLAB ELEVATION
GLU/LAM	GLUED LAMINATED	TYP	TYPICAL
GN	GENERAL NOTES	UNO	UNLESS NOTED OTHERWISE
GT	GIRDER TRUSS	VERT	VERTICAL
GYP	GYPSPUM	VIF	VERIFY IN FIELD
HAB	HEADED ANCHOR BOLT	WWF	WELDED WIRE FABRIC



B SCALE: 3/4" = 1'-0"

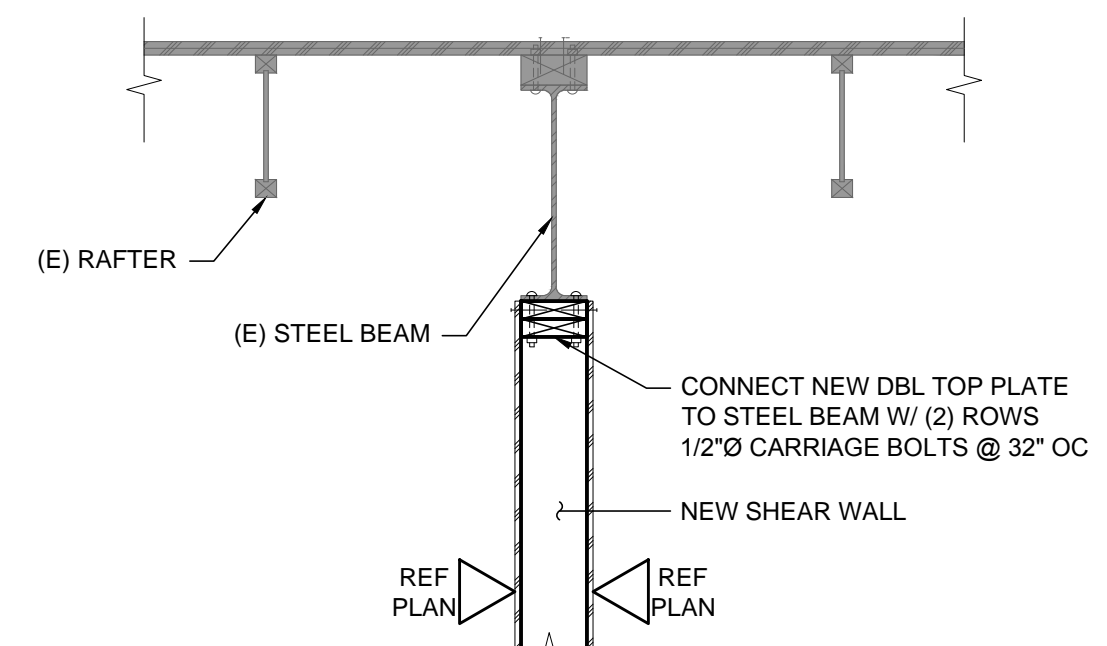


D SCALE: 3/4" = 1'-0"



E SCALE: 3/4" = 1'-0"

F SCALE: 3/4" = 1'-0"



G SCALE: 3/4" = 1'-0"

SHEARWALL SCHEDULE - 2015 IBC - SECTION 2306.3 - REF. AWC SDPWS-2012 TABLE 4.3

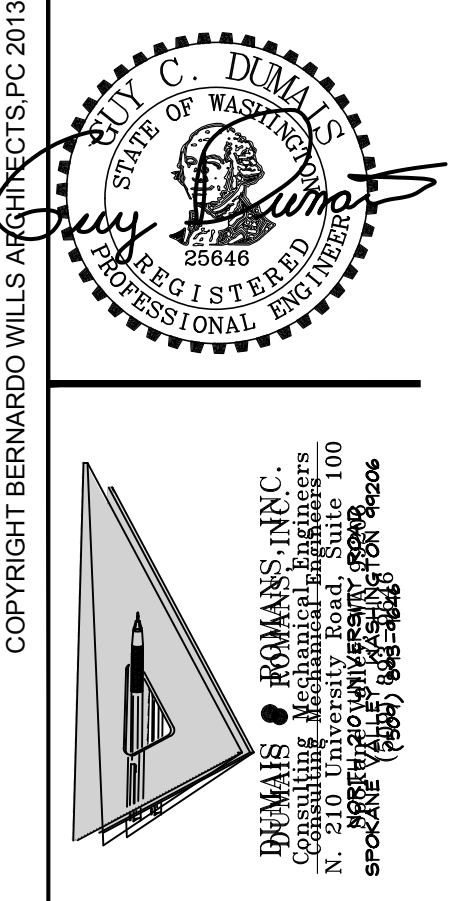
TYPE	MATERIAL	NAIL SPACING (EN) AT PANEL EDGES	SILL ANCHORS		ALLOWABLE SHEAR (PLF)	
			CONCRETE	WOOD ATTACHMENT	RIM	SEISMIC WIND
G1	1/2" GYP BOARD (UNBLOCKED)	5d @ 7"	5/8" @ 60"	16d @ 12"	A35 @ 60"	100 100
G2	1/2" GYP BOARD	5d @ 7"	5/8" @ 60"	16d @ 12"	A35 @ 48"	125 125
6	15/32" CDX PLYWOOD	8d @ 6"	5/8" @ 48"	16d @ 6"	A35 @ 18"	260 365
4	15/32" CDX PLYWOOD	8d @ 4"	5/8" @ 32"	16d @ 4"	A35 @ 16"	350 490
3 a,b,c	15/32" CDX PLYWOOD	8d @ 3"	5/8" @ 32"	1/4" SDS @ 8"	A35 @ 12"	490 696
66 a,b,c	15/32" CDX PLYWOOD - BOTH SIDES	8d @ 6"	5/8" @ 32"	1/4" SDS @ 8"	A35 @ 10"	520 728
44 a,b,c	15/32" CDX PLYWOOD - BOTH SIDES	8d @ 4"	5/8" @ 24"	1/4" SDS @ 6"	A35 @ 6"	760 1064
33 a,b,c	15/32" CDX PLYWOOD - BOTH SIDES	8d @ 3"	5/8" @ 16"	1/4" SDS @ 4"	A35 @ 6"	980 1372

- GENERAL NOTES:**
1. Studs shall be spaced at 16" oc maximum (plywood may be installed either vertically or horizontally).
 2. For Douglas-Fir studs only.
 3. 3/8" & 7/16" CDX or OSB plywood may be substituted for 15/32" sheathing in schedule.
 4. Space nails at 12" oc along intermediate framing members.
 5. All unsupported panel edges shall be blocked and edge-nailed (EN).
 6. Use only Common or Box nails (Galvanized) for all panel and sill plate nailing (Galvanized nails shall be hot-dipped or tumbled).
 7. All shear panels are to be continuous between horizontal diaphragms (roof to floor, floor to floor, floor to foundation).
 8. Sill anchor bolts shall be cast-in-place and shall have a 7" minimum embedment into concrete or masonry. There shall be a minimum of two anchor bolts, per piece of sill plate, with one bolt located not more than 12" or less than 4" from each end.
 9. In Seismic Design Category D, E, and F, plate washers (3"x3"x0.229" thick, minimum) shall be used on all sill anchor bolts.
 10. 3x members may be substituted with (2) 2x members nailed together with 10d nails @ 4" oc.
- FOOTNOTES:**
- a. Studs and/or blocking at adjoining panel edges shall be 3x minimum and nails shall be staggered.
 - b. Sill plates shall be 3x minimum.
 - c. Where panels are applied on both faces of a wall and nail spacing is 6" oc or less, panel joints shall be offset to fall on different framing members.
 - d. 1/4" SDS: 'Simpson' Strong-Drive wood screws into joint or blocking below. Provide minimum 1 1/2" embedment.

PERMIT SET
 SEPT. 28, 2018

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Project No: 17-226
 Drawn by: ELH
 Date: SEPT 28, 2018

M1.1

PERMIT SET
 SEPT. 28, 2018
 Mechanical Demolition
 Plans

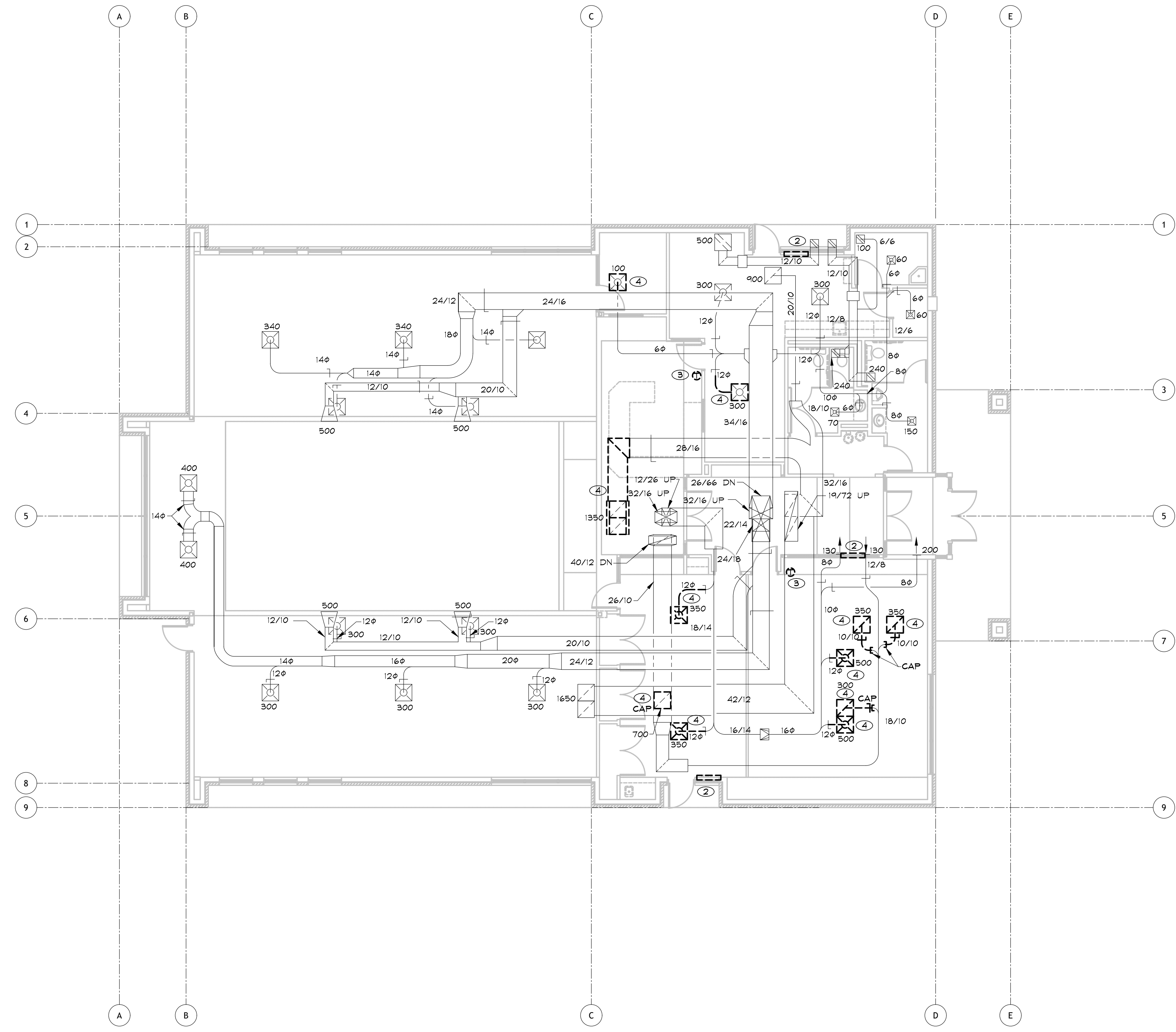
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PLAN NOTES:

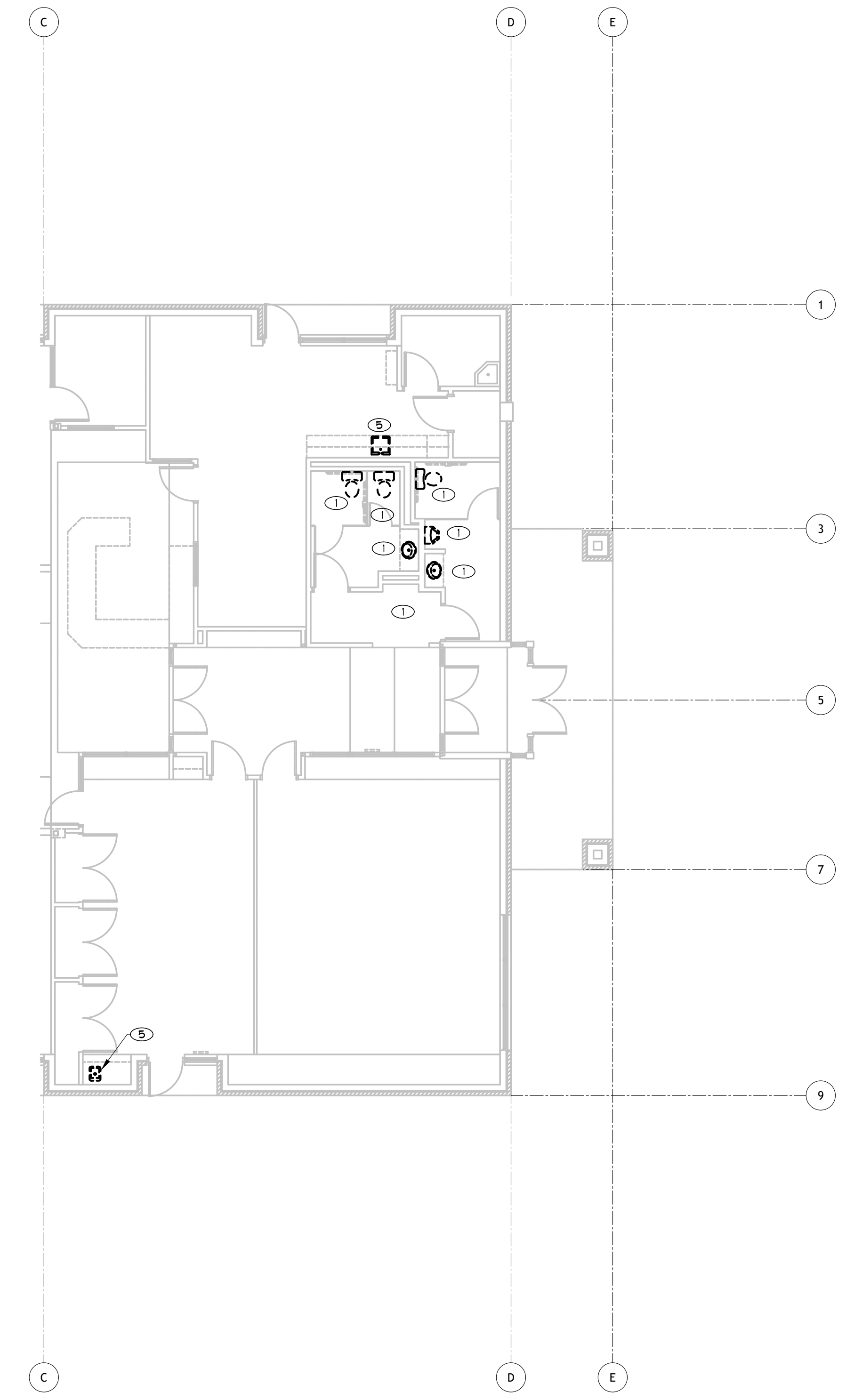
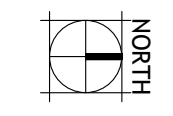
- ① REMOVE PLUMBING FIXTURE. PIPING TO REMAIN FOR CONNECTION TO NEW FIXTURE.
- ② REMOVE ELECTRIC WALL HEATER.
- ③ REMOVE THERMOSTAT FOR RELOCATION.
- ④ REMOVE GRILLE, DIFFUSER, AND DUCTWORK AS INDICATED.
- ⑤ REMOVE FIXTURE, CAP PIPING IN A CONCEALED LOCATION.

MECHANICAL LEGEND

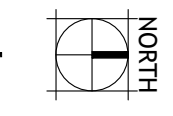
AA1	PLUMBING FIXTURE DESIGNATION		DUCT TURNING VANES		ROUND SUPPLY DUCT
	THERMOSTAT		MOTORIZED DAMPER		RECTANGULAR SUPPLY DUCT
	CONTINUATION OF PIPING		MANUAL DAMPER		RECTANGULAR RETURN DUCT
	PLAN NOTE		FLEXIBLE CONNECTION		RECTANGULAR EXHAUST DUCT
	DETAIL DESIGNATION		SOUND LINED DUCT (NET INSIDE DIMENSION)		ROUND DUCT
	DETAIL NUMBER		SOUND LINED DUCT (NET INSIDE DIMENSION)	ϕ	DIFFUSER/GRILLE DESIGNATION
	SHEET ON WHICH DETAIL IS DRAWN			D14	AIR VOLUME CFM
				325	CONNECTION OF NEW TO EXISTING

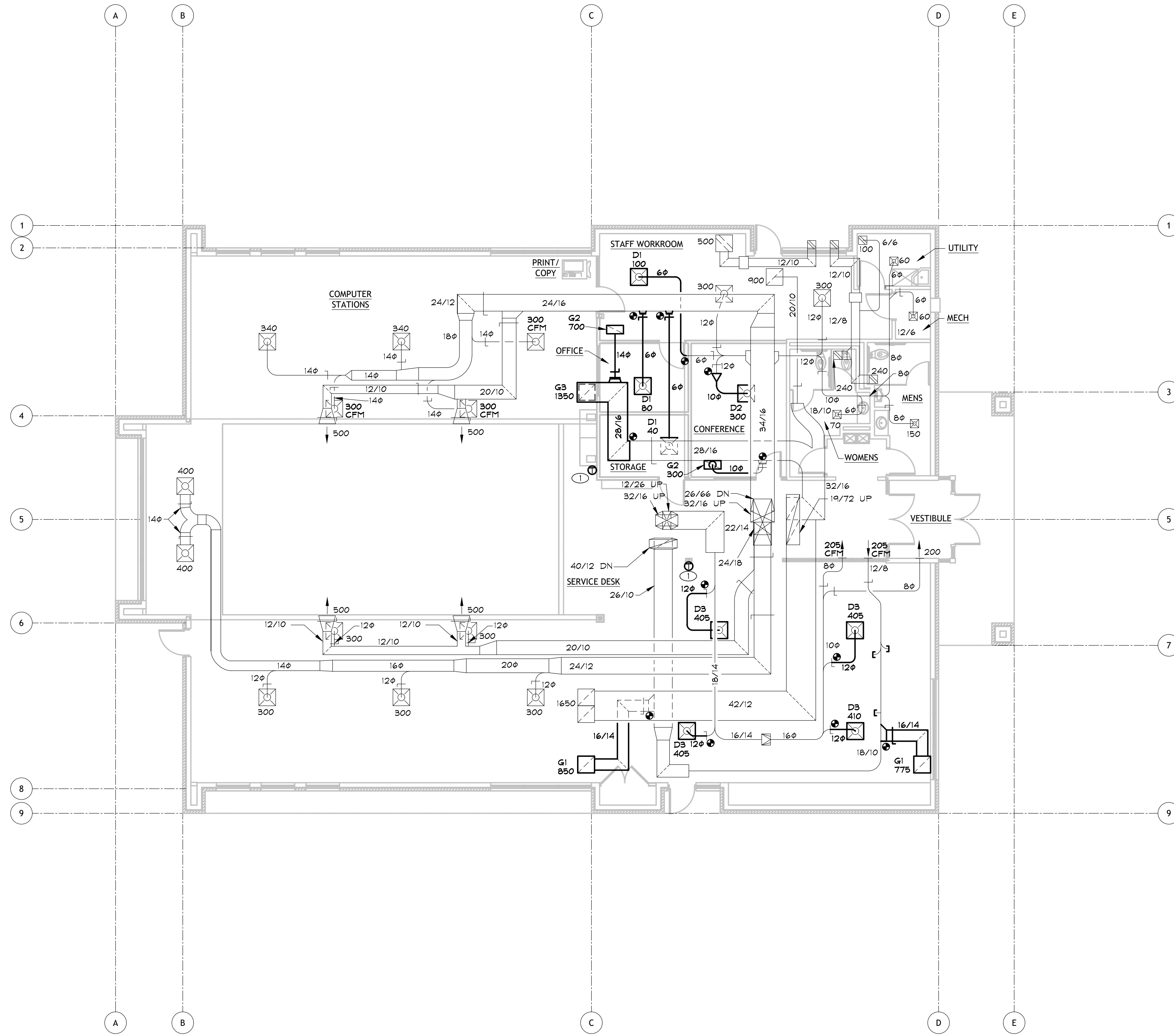


1 HVAC Demolition Plan
 SCALE: 1/8" = 1'-0"

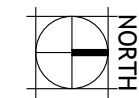


1 Plumbing Demolition Plan
 SCALE: 1/8" = 1'-0"

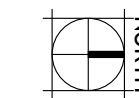




2 HVAC Plan
SCALE: 1/8" = 1'-0"

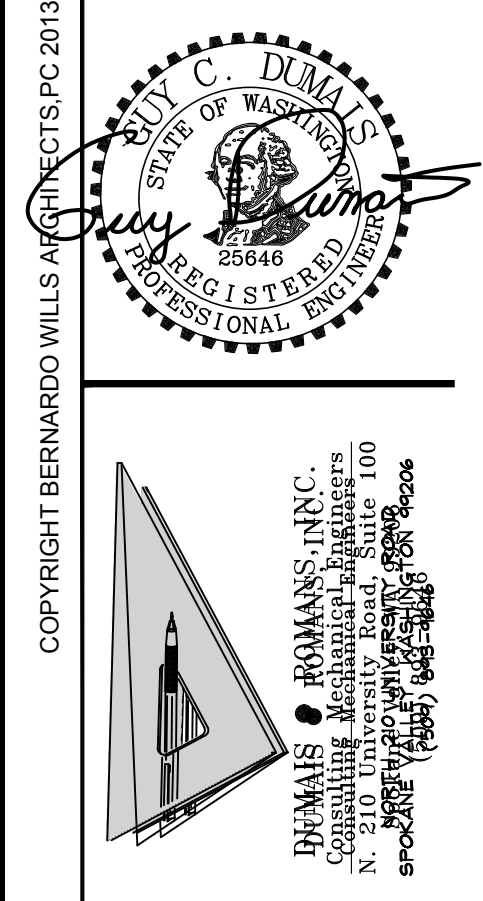


2 Plumbing Plan
SCALE: 1/8" = 1'-0"



PLAN NOTES:

- ① NEW LOCATION FOR EXISTING THERMOSTAT, EXTEND WIRING AS NECESSARY.
- ② CONNECT NEW FIXTURE TO EXISTING SERVICES. EXTEND PIPING AS NECESSARY.



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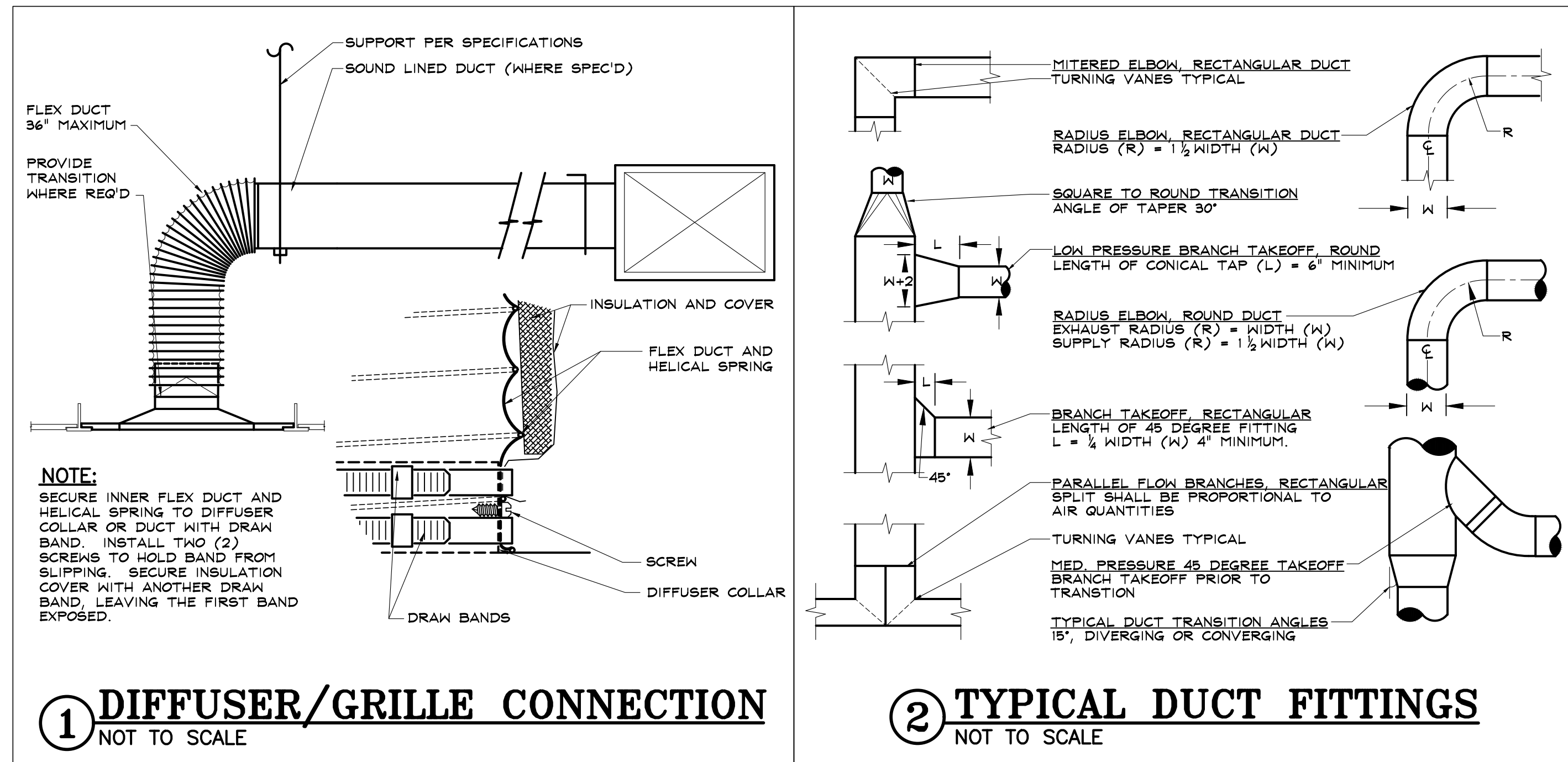
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SEPT. 28, 2018

Mechanical Plans

Project No: 17-226
Drawn by: ELH
Date: SEPT 28, 2018

M1.2



DIFFUSER SCHEDULE			
ITEM NO.:	D1	D2	D3
NECK SIZE (IN.)	6φ	10φ	12φ
MANUFACTURER:	TITUS	TITUS	TITUS
MODEL:	PAS	PAS	PAS
NOTES:	1,2	1,2	1,2

1. CONTRACTOR IS TO COORDINATE FRAME TYPE WITH CONSTRUCTION.
2. ALL GRILLES SELECTED FOR NC LEVELS BELOW 30, AND AIR.

GRILLE SCHEDULE		
ITEM NO.:	G1	G2
NECK SIZE (IN.)	22x22	22x10
MANUFACTURER:	TITUS	TITUS
MODEL:	350RL	350RL
NOTES:	1,2	1,2

1. CONTRACTOR IS TO COORDINATE FRAME TYPE WITH CONSTRUCTION.
2. ALL GRILLES SELECTED FOR NC LEVELS BELOW 30, AND AIR.

PLUMBING FIXTURE SCHEDULE											
ITEM	FIXTURE	TYPE	SIZE	MANUFACTURER AND MODEL NO.	COLOR OR FINISH	ROUGH-IN CONNECTION (IN.)				REMARKS	ADD'L ACCEPTABLE MANUFACTURER'S
						W	V	CW	HW		
WC1	ADA WATER CLOSET	WALL MTD. FL. VALVE	ADA ELONGATED	AMERICAN STANDARD RIGHT WIDTH, 3351.001	WHITE	4	2	1	--	PROVIDE W/ WHITE OPEN FRONT ELONGATED SEAT, CHURCH MODEL 9500C, (1.6 GAL. PER FLUSH). FLUSH VALVE: SENSOR BATTERY POWERED, SLOAN, MODEL 8111. ADJUST MOUNTING HEIGHT FOR ADA. COORDINATE WITH EXISTING CARRIER PRIOR TO ORDERING.	WATER CLOSET - KOHLER, TOTO, CRANE SEAT - BEMIS, OLSONITE, KOHLER, AMERICAN STANDARD FLUSH VALVE - ZURN, SPEAKMAN. CARRIER - ZURN, WADE, MIFAB
WC2	WATER CLOSET	WALL MTD. FL. VALVE	STANDARD ELONGATED	AMERICAN STANDARD AFWALL, 3351.001	WHITE	4	2	1	--	PROVIDE W/ WHITE OPEN FRONT ELONGATED SEAT, CHURCH MODEL 9500C, (1.6 GAL. PER FLUSH). FLUSH VALVE: SENSOR BATTERY POWERED, SLOAN, MODEL 8111. STANDARD MOUNTING HEIGHT. COORDINATE WITH EXISTING CARRIER PRIOR TO ORDERING.	WATER CLOSET - KOHLER, TOTO, CRANE SEAT - BEMIS, OLSONITE, KOHLER, AMERICAN STANDARD FLUSH VALVE - ZURN, SPEAKMAN. CARRIER - ZURN, WADE, MIFAB
URI	ADA URINAL	WALL MOUNTED	ELONGATED RIM	AMERICAN STANDARD WASHBROOK, 6501.615	WHITE	3	1 1/2	3/4	--	PROVIDE W/ SENSOR BATTERY POWERED FLUSH VALVE, SLOAN, MODEL 8180. (1.0 GAL. PER FLUSH). COORDINATE WITH EXISTING CARRIER PRIOR TO ORDERING.	URINAL - KOHLER, TOTO, CRANE, CARRIER - ZURN, WADE, MIFAB FLUSH VALVE - ZURN, SPEAKMAN
LVI	LAVATORY	OVAL COUNTER TOP	20 1/2" X 18 1/4"	AMERICAN STANDARD AQUALYN, 0476.028	WHITE	1 1/2	1 1/2	1/2	1/2	SINGLE CONTROL CHICAGO FAUCET, 0.5 GPM, MODEL: 2200-4E2805CP. BATTERY POWERED SENSOR FAUCET: CHICAGO FAUCET, 0.5 GPM, MODEL: 116.606-AB.1	LAVATORY - KOHLER, TOTO, CRANE FAUCET - SPEAKMAN, ZURN
DFI	DRINKING FOUNTAIN	ADA TWO LEVEL REFRIGERATED W/ BOTTLE FILLER	SURFACE MOUNTED	HANS H101.8 WITH 1920	STAINLESS STEEL	2	1 1/2	1/2	--	BUBBLER SHALL HAVE A FLEXIBLE GUARD. STAINLESS STEEL BACK PLATE SHALL BE NO WIDER THAN 37" MAX.	ELKAY, OASIS

NOTES:
1. DIVISION 15 CONTRACTOR IS TO PROVIDE AND INSTALL A COMPLETE OPERATIONAL INSTALLATION PER STATE, LOCAL AND CURRENT UNIFORM PLUMBING CODES.

ELECTRICAL LEGEND

ELECTRICAL SYMBOLS

	NEMA 5-20R DUPLEX RECEPTACLE, +18" AFF UON MOUNTED +4" ABOVE COUNTER BACKSPASH, TO CENTER OTHERWISE +48" AFF TO CENTER WHERE NO COUNTER
	'DW' DISHWASHER CONNECTION BELOW COUNTER, GFCI PROTECTED
	'EM' RECEPTACLE ON EMERGENCY POWER
	'G' GFCI RECEPTACLE
	'GD' RECEPTACLE FOR GARBAGE DISPOSAL, INCLUDING ABOVE COUNTER ON/OFF SWITCH
	'IG' ISOLATED GROUND RECEPTACLE, +18" AFF UON
	'M' MICROWAVE RECEPTACLE, +66" AFF UON
	'R' REFRIGERATOR RECEPTACLE, +48" AFF
	'V' VENDING MACHINE RECEPTACLE, +48" AFF
	'TR' TAMPER RESISTANT RECEPTACLE
	'WC' WATER COOLER CONNECTION BEHIND COOLER, GFCI PROTECTED
	'WP' GFCI RECEPTACLE WITH WEATHERPROOF COVER
	NEMA 5-20R CEILING MOUNTED RECEPTACLE
	JUNCTION BOX, RECESSED OR SURFACE, 4" UON
	NEMA 5-20R QUADRAPLEX RECEPTACLE, +18" AFF UON
	CIRCUIT X
	DUPLEX RECEPTACLE, SPLIT WIRED, +18" AFF UON
	CIRCUIT Y
	NEMA 5-20R SWITCHED RECEPTACLE AND CALLOUT
	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS INDICATED
	FLUSH FLOOR BOX WITH NEMA 5-20R DUPLEX RECEPTACLE
	POWER AND/OR DATA DISTRIBUTION POLE
	RELAY, VOLTAGE AS INDICATED
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH, SIZE, RATINGS AND FUSING AS INDICATED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	MANUAL MOTOR STARTER
	MOTOR CONNECTION
	GENERATOR CONNECTION, (KW SHOWN)
	POWER PANEL WITH NEC REQD CLEARANCE
	SWITCHBOARD CABINET SECTION(S) WITH NEC REQD CLEARANCE
	DRY-TYPE TRANSFORMER
	ELECTRICAL EQUIPMENT IDENTIFIER, REFERENCE THE APPROPRIATE SCHEDULE FOR DISCONNECT, STARTER, AND CIRCUIT REQUIREMENTS
	ELECTRICAL EQUIPMENT, FIELD VERIFY EXACT LOCATION
	COMBINATION HEAT LAMP AND EXHAUST FAN
	ELECTRIC BASEBOARD HEATER DIV16/DIV26
	ELECTRIC WALL HEATER, HEATER BY MECHANICAL CONTRACTOR
	INSTANTANEOUS HOT WATER HEATER
	ELECTRIC HAND DRYER, +48" AFF UON
	HEAT TAPE IN ROOF DRAIN DIV16/DIV26 INSTALLED TO 12" BELOW GRADE.
	LOW VOLTAGE POWER SUPPLY

GENERAL DRAWING SYMBOLS

	DRAWING KEYNOTE INDICATOR. NUMBER INDICATES KEYNOTE REFERENCED ON EACH DRAWING
	DETAIL IDENTIFIER. TOP NUMBER INDICATES THE DETAIL NUMBER, THE BOTTOM NUMBER INDICATES THE DRAWING NUMBER
	ELEVATION IDENTIFIER, CENTER NUMBER INDICATES THE REFERENCE DRAWING, LETTERS INDICATE NORTH, SOUTH, EAST, OR WEST ELEVATION.
	MATCHLINE, TRIANGLE INDICATES VIEW CONTINUED DRAWING SHEET, OTHER INDICATES CURRENT DRAWING SHEET
	MATCHLINE UNDERLINE INDICATES CURRENT DRAWING VIEW OTHER INDICATES CONTINUED DRAWING VIEW SAME SHEET
	CONNECTION TO EXISTING ELECTRICAL SYSTEMS
	ELECTRICAL DEVICE, EXISTING TO REMAIN
	ELECTRICAL DEVICE, TO BE REMOVED (DEMOLISHED)
	AREA OF ELECTRICAL REVISION, ADDENDA, RFI, OR OTHER CHANGE
	INDICATES ELECTRICAL CHANGE NUMBER "ADD" INDICATES ADDENDA "RFI" REQUEST FOR INFORMATION REFERENCE "F" FIELD CHANGE

NOTE: NOT ALL LEGEND SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT.

LIGHTING SYMBOLS

	S _{a,b} LIGHT SWITCH, +48" AFF UON - SUBSCRIPTS INDICATE: INDICATES (1) SWITCH FOR EACH LOWER CASE LETTER '2' TWO POLE '3' THREE WAY '4' FOUR WAY 'D' SOLID STATE DIMMER 'K' KEY OPERATED 'M' MOMENTARY CONTACT SWITCH 'OS' OCCUPANCY SENSOR SWITCH 'P' PILOT LIGHT 'T' TIMER
	S _{30,00,c} CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
	RECESSED FLUORESCENT LIGHT FIXTURE FIXTURE TYPE SWITCH OR CONTROL CIRCUIT
	PHOTOCELL
	SURFACE OR PENDANT MOUNT LIGHT FIXTURE
	FLUORESCENT STRIP LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY POWER
	BATTERY BACKED FLUORESCENT FIXTURE
	LED EXIT FIXTURE, CEILING MOUNT DIRECTIONAL ARROWS WHERE SHOWN
	LED EXIT FIXTURE, WALL MOUNT DIRECTIONAL ARROWS WHERE SHOWN
	RECESSED OR SURFACE COMPACT FLUORESCENT HID, OR, INCANDESCENT LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE, BATTERY BACKED
	POLE MOUNTED LIGHT FIXTURE, SINGLE HEAD
	POLE MOUNTED LIGHT FIXTURE, TWIN HEAD
	POST TOP MOUNTED LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	FLOOD, STADIUM, OR ARENA LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	TRACK LIGHTING, INCLUDING TRACK, HARDWARE, AND NUMBER OF TRACK FIXTURES INDICATED
	IN/ABOVE GRADE ACCENT LIGHT FIXTURE
	FLEXIBLE ACCENT LIGHT

WIRING DEFINITIONS

	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-UP
	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-DOWN
	CONDUIT AND CONDUCTORS SIZE AS REQUIRED. NUMBER OF TICK MARKS INDICATES NUMBER OF PHASE, NEUTRAL, GROUND AND ISOLATED GROUND CONDUCTORS; SHORT TICK MARKS INDICATES NUMBER OF PHASE CONDUCTORS, LONG TICK MARKS INDICATES NUMBER OF NEUTRAL CONDUCTORS, LAST SHORT TICK MARK INDICATES GROUND CONDUCTOR(S), DOTS INDICATE NUMBER OF IG GROUND CONDUCTORS. REFERENCE EXAMPLE SHOWN 3/4"C-2#12 PHASE, 2#12 NEUTRAL, 1#12 GROUND, 1#12 ISOLATED GROUND.
	CONDUIT STUB, SIZE AS INDICATED OR NOTED
	FIRE ALARM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
	PUBLIC ADDRESS SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
	NURSE CALL SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
	ELECTRICAL SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM 3/4"C, UON
	OVERHEAD POWER WIRING
	UNDERGROUND POWER WIRING OR DUCTBANK
	UNDERGROUND COMMUNICATIONS WIRING OR DUCTBANK
	FIBER OPTIC COMMUNICATIONS WIRING OR DUCTBANK
	FENCE DETECTION SYSTEM
	PORTED COAX SYSTEM
	SURFACE MOUNT RACEWAY
	CENTERLINE
	CABLE TRAY, SIZE AS INDICATED ON THE DRAWINGS

DIAGRAMMATIC SYMBOLS

	CIRCUIT BREAKER, SIZE AS INDICATED
	ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED
	SWITCH, SIZE AS INDICATED
	FUSE, SIZE AS INDICATED
	FUSIBLE SWITCH, FUSE AND SWITCH SIZE AS INDICATED
	GROUND ELECTRODE, GROUND BUS, GROUND CONNECTION
	NORMALLY CLOSED CONTACT OR RELAY
	NORMALLY OPEN CONTACT OR RELAY
	CURRENT TRANSFORMER, CT OR METER CONNECTION
	POTENTIAL TRANSFORMER
	KWH/KW METER
	VOLTMETER
	AMMETER
	FEEDER IDENTIFIER, REFERENCE THE FEEDER SCHEDULE CONDUIT AND CONDUCTOR REQUIREMENTS
	LOCKABLE DISCONNECT SWITCH WITH SEPARATE MOTOR STARTER
	LOCKABLE, UNFUSED, DISCONNECT SWITCH
	LOCKABLE, FUSED, DISCONNECT SWITCH
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH, LOCKABLE
	MAGNETIC MOTOR STARTER
	CIRCUIT BREAKER WITH DRAWOUT FEATURE
	MOTOR CONNECTION
	TRANSFORMER
	CONTROL TRANSFORMER
	THERMAL OVERLOAD
	INLINE FUSE, SIZE AS INDICATED
	MANUAL PUSHBUTTON, NORMALLY CLOSED
	MANUAL PUSHBUTTON, NORMALLY OPEN
	TRANSFER SWITCH, AUTOMATIC OR MANUAL
	CONNECTION TO REMOTE DEVICE
	WIRING CONNECTION

DATA SYMBOLS

	DATA/TELEPHONE OUTLET, MOUNTED +18" AFF, UON. "1" INDICATES NUMBER OF TELEPHONE INSERTS REQUIRED "2" INDICATES NUMBER OF DATA INSERTS REQUIRED "SP" INDICATES NUMBER OF SPARE UTP CABLES REQUIRED "A" MOUNTED 4" ABOVE COUNTER ELSE +48" AFF
	WIRELESS ACCESS POINT, MOUNTED ABOVE ACCESSIBLE CEILING, UON
	TELEPHONE OUTLET, MOUNTED +18" AFF "W" INDICATES WALL OUTLET, MOUNTED +48" AFF "P" INDICATES PAY PHONE OUTLET, MOUNTED +48" AFF
	TELEPHONE POLE
	FLOOR MOUNTED DATA/TELEPHONE OUTLET
	ANTENNA
	ANTENNA OR EXCITER FOR RFID
	DATA RACK

NOTE: WHERE DATA OR TELEPHONE OUTLET IS SHOWN ADJACENT TO A RECEPTACLE ON THE DRAWINGS, THE OUTLET IS TO BE MOUNTED NEXT TO THE RECEPTACLE AND AT THE SAME MOUNTING HEIGHT.

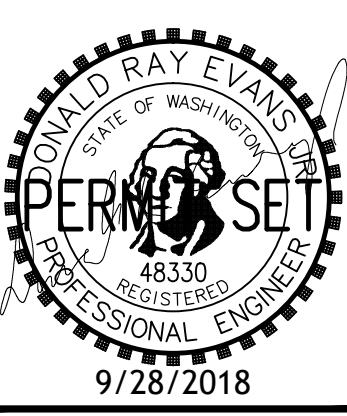
ABBREVIATIONS

A	AMP	AMPERES
AF	AMP FUSE	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
AIC	AMPERES INTERRUPTION CURRENT	
ANN	ANNUNCIATOR	
AR	AS REQUIRED	
AT	AMP TRIP	
ATS	AUTOMATIC TRANSFER SWITCH	
AWG	AMERICAN WIRE GAUGE	
BPI	BYPASS ISOLATION	
C	CONDUIT	
CATV	CABLE TV	
CB	CIRCUIT BREAKER	
CCTV	CLOSED CIRCUIT TELEVISION	
CKT	CIRCUIT	
CT	CURRENT TRANSFORMER	
CLG	CEILING	
CO	CONDUIT ONLY	
COM	COMMON	
COMM	COMMUNICATIONS	
DAS	DISTRIBUTED ANTENNA SYSTEM	
DDC	DIRECT DIGITAL CONTROL (BY MECHANICAL CONTRACTOR)	
DIA	DIAMETER	
DISC	DISCONNECT	
DIST	DISTRIBUTION	
DPIS	DOOR POSITION INDICATION SWITCH	
DVR	DIGITAL VIDEO RECORDER	
EA	EACH	
ELEC	ELECTRIC OR ELECTRICAL	
ELEV	ELEVATION OR ELEVATOR	
EM	EMERGENCY	
EMT	ELECTRICAL METALLIC TUBING	
EUH	ELECTRIC UNIT HEATER	
EWI	ELECTRIC WATER HEATER	
F	FRACTIONAL HORSEPOWER	
FA	FIRE ALARM	
FACP	FIRE ALARM CONTROL PANEL	
FLA	FULL LOAD AMPERES	
FO	FIBER OPTIC	
FPS	FRAMES PER SECOND	
FS	FUSED SWITCH	
FSD	FIRE/SMOKE DAMPER	
FVNR	FULL VOLTAGE NON-REVERSING	
G	GROUND	
GND	GROUND	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
GFI	GROUND FAULT INTERRUPT	
GRC	GALVANIZED RIGID CONDUIT	
HZ	HERTZ	
HOA	HAND-OFF-AUTOMATIC	
IC	INTERCOM SYSTEM	
ID	INNERDUCT OR INNER DIAMETER	
IDF	INTERMEDIATE DISTRIBUTION FRAME	
IG	ISOLATED GROUND	
IP-GSM	INTERNET/CELLULAR FIRE ALARM COMMUNICATOR	
IMC	INTERMEDIATE METAL CONDUIT	
ISC	SHORT CIRCUIT AMPERES	
JB	JUNCTION BOX	
K	KEY OPERATED SWITCH OR LOCK	
KVA	KILOVOLT AMPERES	
KW	KILOWATT	
KWH	KILOWATT HOUR	
LTG	LIGHTING	
LV	LOW VOLTAGE	
LVE	LOW VOLTAGE ELECTRONICS	
LVSE	LOW VOLTAGE SECURITY ELECTRONICS	
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS PICK UP AND TIME DELAY	
LSIG	LSI FUNCTION AND GROUND FAULT PROTECTION WITH ALARM	
MAX	MAXIMUM	
MCA	MINIMUM CIRCUIT AMPS	
MCB	MAIN CIRCUIT BREAKER	
MCC	MOTOR CONTROL CENTER	
MCP	MOTOR CIRCUIT PROTECTOR	
MDF	MAIN DISTRIBUTION FRAME	

ABBREVIATIONS (CONT.)

MES	MEDICAL EMERGENCY SYSTEM
MIN	MINIMUM
MLO	MAIN LUG ONLY
MMS	MANUAL MOTOR STARTER
MOV	METAL OXIDE VARISTOR
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NF	NON-FUSIBLE OR NON-FUSED
NL	NIGHTLIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NVR	NETWORK VIDEO RECORDER
OC	OVERCURRENT PROTECTION
OFI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OHP	OVERHEAD POWER
OL	OVERLOADS
P	POLE OR # PHASE
PNC	PATIENT NURSE CALL
PNL	PANEL
PH	PHASE #
PVC	POLY VINYL CHLORIDE
REQD	REQUIRED
REX	REQUEST-TO-EXIT
RGS	RIGID GALVANIZED STEEL
RVNR	REDUCED VOLTAGE NON-REVERSING
SASD	SILICONE AVALANCHE SURGE SUPPRESSION
SC	SHORT CIRCUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SCA	SHORT CIRCUIT AMPERES
SP	SPARE
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPST	SINGLE POLE, SINGLE THROW
SPKR	SPEAKER
SSRV	SOLID STATE REDUCED VOLTAGE
ST	SHUNT TRIP
SW	SWITCH
SWBD	SWITCHBOARD
TBD	TO BE DETERMINED
TFCI	TENANT FURNISHED CONTRACTOR INSTALLED
TBB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UFER	CONCRETE ENCASED GROUNDING ELECTRODE
UG	UNDERGROUND
UGP	UNDERGROUND POWER
UGT	UNDERGROUND TELEPHONE
UON	UNLESS OTHERWISE NOTED
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
VFSC	VARIABLE FREQUENCY SPEED CONTROLLER
W	WATTS OR WIRE
WP	WEATHERPROOF
W	WITH
W/O	WITHOUT
WS	WORKSTATION
WSR	WITHSTAND RATING
XFMR	TRANSFORMER
(D)	(DEMOLISHED) EXISTING TO BE REMOVED
(E)	(EXISTING) EXISTING TO REMAIN
(R)	(RELOCATED) EXISTING TO BE RELOCATED
1P	SINGLE POLE
2P	TWO POLE
2W	TWO WIRE
3P	THREE POLE
3W	THREE WIRE
4W	FOUR WIRE

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SEPT. 28, 2018
ELECTRICAL LEGENDS AND ABBREVIATIONS

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 WEST RICHLAND, WA 99353

B W A BERNARDO WILLS ARCHITECTS PC
 Project No: 17-226
 Drawn by: EKH
 Date: SEPT 28, 2018
E0.1

GENERAL PROJECT NOTES:

- COORDINATE THE LOCATION OF WALL MOUNTED DEVICES AND OUTLETS WITH CASEWORK. REFERENCE THE ARCHITECTURAL WALL ELEVATIONS.
- COORDINATE THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES AND FIXTURES WITH THE ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. REFERENCE THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- COORDINATE MOUNTING HARDWARE OF ALL LIGHT FIXTURES WITH TYPE OF CEILING IN EACH ROOM. REFERENCE THE ARCHITECTURAL PLANS FOR CEILING TYPES.
- COORDINATE THE LOCATION OF WALL OUTLETS TO AVOID INTERFERENCE WITH WALL-MOUNTED VERTICAL SUPPORT STRIPS ASSOCIATED WITH MODULAR CASEWORK. REFERENCE THE MODULAR CASEWORK DRAWINGS.
- ALL FLOOR PENETRATIONS AND PENETRATIONS THROUGH FIRE OR SMOKE PARTITIONS SHALL BE FIRE-STOPPED. REFERENCE THE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE AND SMOKE PARTITIONS.
- IN FIRE-RESISTIVE WALLS, BOXES THAT EXCEED 16 SQUARE INCHES OR ARE SEPARATED BY LESS THE 24 INCHES ON OPPOSITE SIDES OF THE WALLS SHALL BE PROTECTED WITH FIRE-RESISTIVE INTUMESCENT COMPOUND MEMBRANE PADS.
- INSTALLATION OF PANELBOARDS OR OTHER LARGE BOXES THAT ARE FLUSH MOUNTED IN WALLS SHALL BE COORDINATED WITH OTHER TRADES AS REQUIRED TO MAINTAIN THE INTEGRITY OF FIRE-RESISTIVE WALLS. WHERE THE WALL IS REQUIRED TO BE FIRE-RATED, THE WALL OPENING SHALL BE LINED WITH A 5/8 INCH FIRE-RATED GYPSUM BOARD AND ALL GAPS SHALL BE FILLED WITH FIRE-RESISTIVE INTUMESCENT SEALANT.
- IN ALL CONDUITS THAT PASS THROUGH SEISMIC JOINTS, PROVIDE SUITABLE FITTINGS TO ALLOW FOR SEISMIC MOVEMENT. REFERENCE THE STRUCTURAL DRAWINGS FOR LOCATION OF SEISMIC JOINTS.
- ALL CONDUIT PENETRATIONS OF STRUCTURAL ELEMENTS OR CONDUITS THAT RUN WITHIN MASONRY WALLS OR FLOOR SLABS SHALL REQUIRE APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE COMPLETE SEISMIC ANCHORAGE AND BRACING FOR THE LATERAL, LONGITUDINAL, AND VERTICAL SUPPORT OF ALL CONDUIT AND ELECTRICAL EQUIPMENT. LATERAL BRACING SHALL BE IN ACCORDANCE WITH IBC. VERTICAL SUPPORTS SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE LOAD.
- SUPPORT ALL CONDUCTORS IN VERTICAL RACEWAYS IN ACCORDANCE WITH CURRENT NEC.
- UNLESS OTHERWISE IDENTIFIED ON THE SYMBOL LEGEND, NUMBERS ADJACENT TO ELECTRICAL RECEPTACLES OR LUMINAIRES INDICATE THE CIRCUIT TO WHICH THE RECEPTACLE OR LUMINAIRE IS TO BE CONNECTED. NUMBERS THAT ARE PRECEDED BY THE + SIGN INDICATE MOUNTING HEIGHTS.
- UNLESS OTHERWISE IDENTIFIED ON THE SYMBOL LEGEND, LOWER CASE LETTERS ADJACENT TO THE LIGHTING FIXTURES INDICATED THE SWITCH CIRCUIT OR DIMMING CIRCUIT THAT THE FIXTURE IS TO BE CONNECTED.
- PROVIDE EQUIPMENT GROUNDING CONDUCTORS TOGETHER WITH ALL FEEDER AND BRANCH CIRCUIT RUNS. ONLY BRANCH CIRCUITS ON DIFFERENT PHASES SUPPLIED BY THE SAME PANEL SHALL SHARE THE SAME EQUIPMENT GROUNDING CONDUCTOR.
- THE NEUTRAL CONDUCTOR OF EACH BRANCH CIRCUIT SUPPLYING ISOLATED-GROUND TYPE RECEPTACLES SHALL BE KEPT FREE OF CONNECTION TO THE NEUTRAL CONDUCTORS OF OTHER CIRCUITS, EXCEPT AT THE PANELBOARD NEUTRAL BUS. AN ADDITIONAL INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE RUN WITH EACH SUCH BRANCH CIRCUIT, WHICH SHALL BE COMPLETELY ISOLATED ELECTRICALLY FROM THE RACEWAY SYSTEM.
- ALL EXIT SIGNS, NIGHT LIGHTS, AND BATTERY BACKED FIXTURES SHALL BE CONNECTED TO UN-SWITCHED CIRCUITS. IF AN UN-SWITCHED CONDUCTOR IS NOT INDICATED ON THE FLOORPLANS, PROVIDE ADDITIONAL CONDUCTORS FOR THE UN-SWITCHED CIRCUIT.
- RECEPTACLES ONLY ARE SHOWN ON THE PLANS FOR CERTAIN SIGNAL AND COMMUNICATIONS SYSTEMS. REFER TO THE APPLICABLE WIRING DIAGRAMS AND TO THE SPECIFICATIONS FOR RACEWAYS AND CABLE TO BE PROVIDED FOR SIGNAL AND COMMUNICATION WIRING.
- COORDINATE WITH THE ARCHITECT FOR DIMENSIONED LOCATION OF ALL FLOOR BOXES, POKE-THROUGHS, OR OTHER FLOOR MOUNTED DEVICES, TO AVOID CONFLICT WITH MODULAR FURNITURE OR OTHER EQUIPMENT.
- FOR CLARITY, EXISTING CONDITIONS HAVE BEEN SHOWN ONLY TO THE EXTENT NECESSARY TO SHOW CONNECTION WITH NEW WORK. IT IS THE RESPONSIBILITY OF THE TRADE CONTRACTOR TO COORDINATE ALL WORK AND VERIFY ALL EXISTING CONDITIONS INVOLVED PRIOR TO INSTALLATION AND/OR CONNECTION TO EXISTING SYSTEMS. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
- REFERENCE DRAWINGS ARE AVAILABLE FROM THE OWNER FOR SOME EXISTING SERVICE TIES. IT SHALL BE THE RESPONSIBILITY OF THE TRADE CONTRACTOR TO VISIT THE SITE AND VERIFY THE ACCURACY OF ANY DRAWINGS UTILIZED.
- CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED TO RUN CIRCUITS OR CONDUIT.

FEEDER / BRANCH SCHEDULE													
Circuit Ampacity (Amps)	Circuit No.	Circuit Designator										AWG Phase (PH) & Neutral (N)	AWG Ground (G)
		S=(1)PH+(1)N+(1)G 1 Phase, 1 Pole	SG=(1)PH+(1)N+(2)G 1 Phase, 1 Pole W/ISOLATED GROUND	P=(2)PH+(1)G 1 Phase, 2 Pole, 2W	PN=(2)PH+(1)N+(1)G 1 Phase, 2 Pole, 3W	PG=(1)PH+(1)N+(2)G 1 Phase, 2 Pole, 3W W/ISOLATED GROUND	=(3)PH+(1)G 3 Phase, 3 Wire	N=(3)PH+(1)N+(1)G 3 Phase, 4 Wire	IG=(3)PH+(1)N+(2)G 3 Phase, 4 Wire W/ISOLATED GROUND	Conduit Size, (Sets)	Conduit Size, (Sets)		
20	20	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#12	#12	
30	30	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#10	#10	
40	40	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	3/4", (1)	#8	#10	
50	50	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	1", (1)	#6	#10	
60	60	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	#4	#10	
70	70	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	#4	#8	
80	80	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	1 1/4", (1)	#3	#8	
90	90	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	#2	#8	
100	100	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	1 1/2", (1)	#1	#8	
125	125	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	#1	#6	
150	150	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	#1/0	#6	
175	175	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	2", (1)	#2/0	#6	
200	200	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	#3/0	#6	
225	225	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	2 1/2", (1)	#4/0	#4	
250	250	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	3", (1)	#250	#4	
300	300	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	3 1/2", (1)	#350	#4	
350	350	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	#500	#3	
400	400	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	#600	#3	
450	450	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	4", (1)	#4/0	#2	
500	500	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	#250	#1	
600	600	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	3 1/2", (2)	#350	#1	
700	700	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	#500	#1/0	
800	800	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	4", (2)	#600	#1/0	
1000	1000	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	3 1/2", (3)	#400	#2/0	
1200	1200	4", (3)	4", (3)	4", (3)	4", (3)	4", (3)	4", (3)	4", (3)	4", (3)	4", (3)	#600	#3/0	
1600	1600	4", (4)	4", (4)	4", (4)	4", (4)	4", (4)	4", (4)	4", (4)	4", (4)	4", (4)	#600	#4/0	
2000	2000	4", (5)	4", (5)	4", (5)	4", (5)	4", (5)	4", (5)	4", (5)	4", (5)	4", (5)	#600	#250	
2500	2500	4", (6)	4", (6)	4", (6)	4", (6)	4", (6)	4", (6)	4", (6)	4", (6)	4", (6)	#600	#350	
3000	3000	4", (8)	4", (8)	4", (8)	4", (8)	4", (8)	4", (8)	4", (8)	4", (8)	4", (8)	#500	#400	
4000	4000	4", (10)	4", (10)	4", (10)	4", (10)	4", (10)	4", (10)	4", (10)	4", (10)	4", (10)	#600	#500	

- Notes:
- EXAMPLE: 500IG = (2) Sets of 3" conduit, each with (3) #250 Phase conductors, (1) #250 Neutral conductor, and (2) #2 Ground conductors.
 - Conduit sizes are based on THWN insulation for all conductors and RGS conduit.
 - Ground Conductors can be omitted from Service Entrance Feeders if applicable.
 - Reference NEC for metric conduit requirements.
 - If aluminum conductors are allowed for feeders, increase conductor sizing to match ampacity rating of copper conductors shown, and adjust conduit size appropriately.
 - To avoid voltage drop, increase conductor size and conduit for feeders over 150 ft in length.

LUMINAIRE SCHEDULE									
CALLOUT	SYMBOL	LAMP	DESCRIPTION	DRIVER	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTES
A1		(1) LED, 3500K	1'X4' SURFACE	SD,BB	SURFACE	LITHONIA #STL4-40L-EZ1--EL14L-LP835	35	120V 1P 2W	2,5
D1		(1) LED, 3500K	8" RECESSED LED DOWNLIGHT	SD	RECESSED	LITHONIA #WFB-LED-35K-MVOLT-90CRI	20	120V 1P 2W	1,5
D2		(1) LED, 3500K	10" RECESSED LED RETROFIT	SD	RECESSED	LITHONIA #LND10RV-35/-10-LR-10-AR-MVOLT-EZ10	13	120V 1P 2W	1,5
P1		(1) LED, 3500K	4' PENDANT LED	SD	SURFACE	PRUDENTIAL LTG #P4000SKY-P4040-LED35-LO-FWA-Y-D1-SC-SUR-X3-DKM10	88	120V 1P 2W	4,5
P1E		(1) LED, 3500K	4' PENDANT LED	SD,BB	SURFACE	PRUDENTIAL LTG #P4000SKY-P4040-LED35-90-LO-FWA-Y-D1-SC-SUR-X3-DKM10-EML	88	120V 1P 2W	4,5
S1		(1) LED, 3000K	EXTERIOR LED WALLPACK	SD	WALL	LITHONIA #WST LED-P1-30K-VF-MVOLT-PE-DBDXD	11	120V 1P 2W	3,5

- NOTES:
- OR EQUAL MANUFACTURED BY: LITHONIA, PORTFOLIO, PRESCOLITE, HE WILLIAMS.
 - OR EQUAL MANUFACTURED BY: METALUX, COLUMBIA, LITHONIA, CREE.
 - OR EQUAL MANUFACTURED BY: GARDCO, SPAULDING, LITHONIA, LSI.
 - OR APPROVED EQUAL.
 - COORDINATE TRIM, FINISH, AND MOUNTING HARDWARE WITH ARCHITECT.
- BB - BATTERY BACKED
SD - INTEGRAL STANDARD LED DRIVER

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EQUIPMENT SCHEDULES

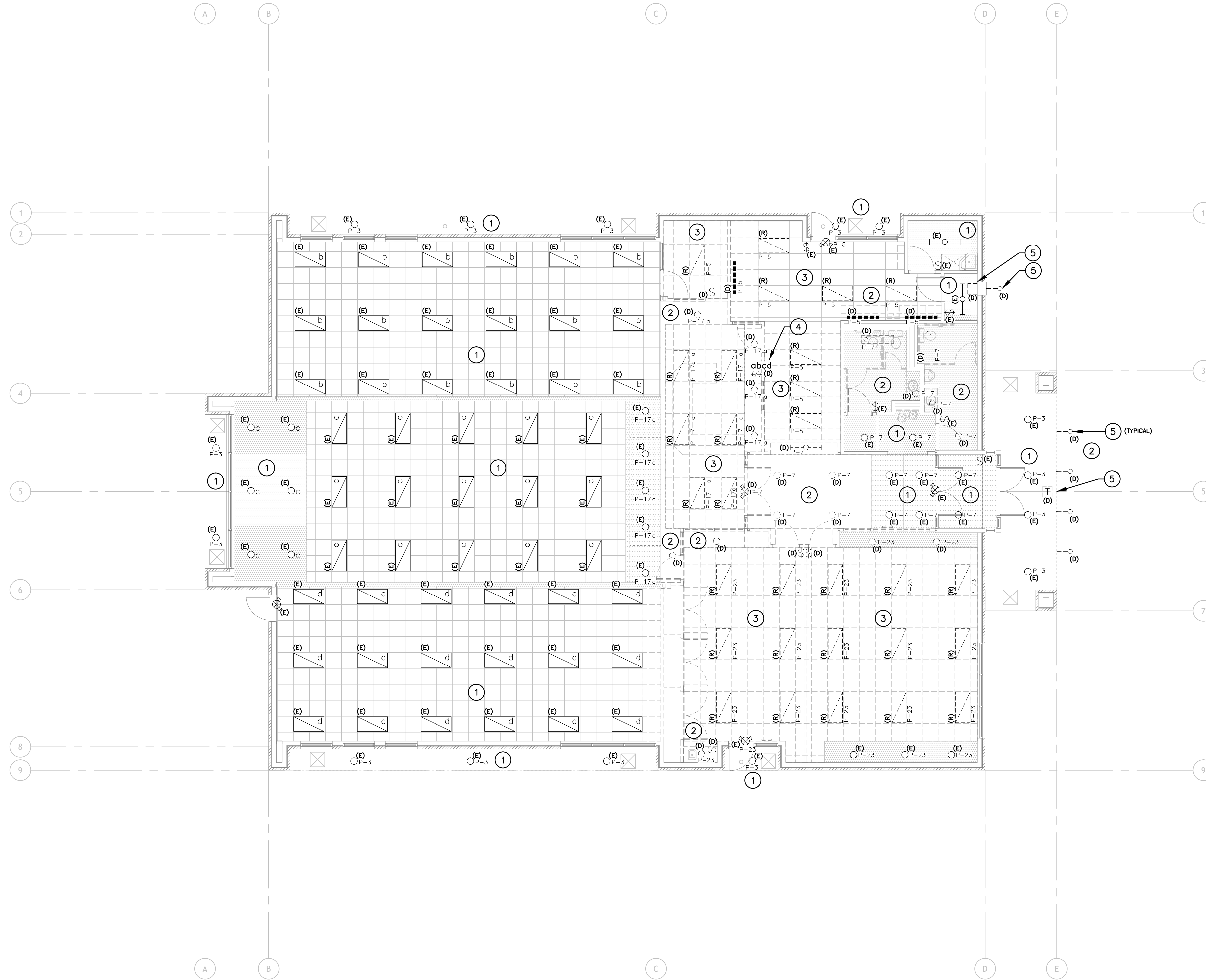
Project No: 17-226

Drawn by: EKH

Date: SEPT 28, 2018

E0.2

1 LIGHTING PLAN DEMO
 NORTH SCALE: 1/8"=1'-0"



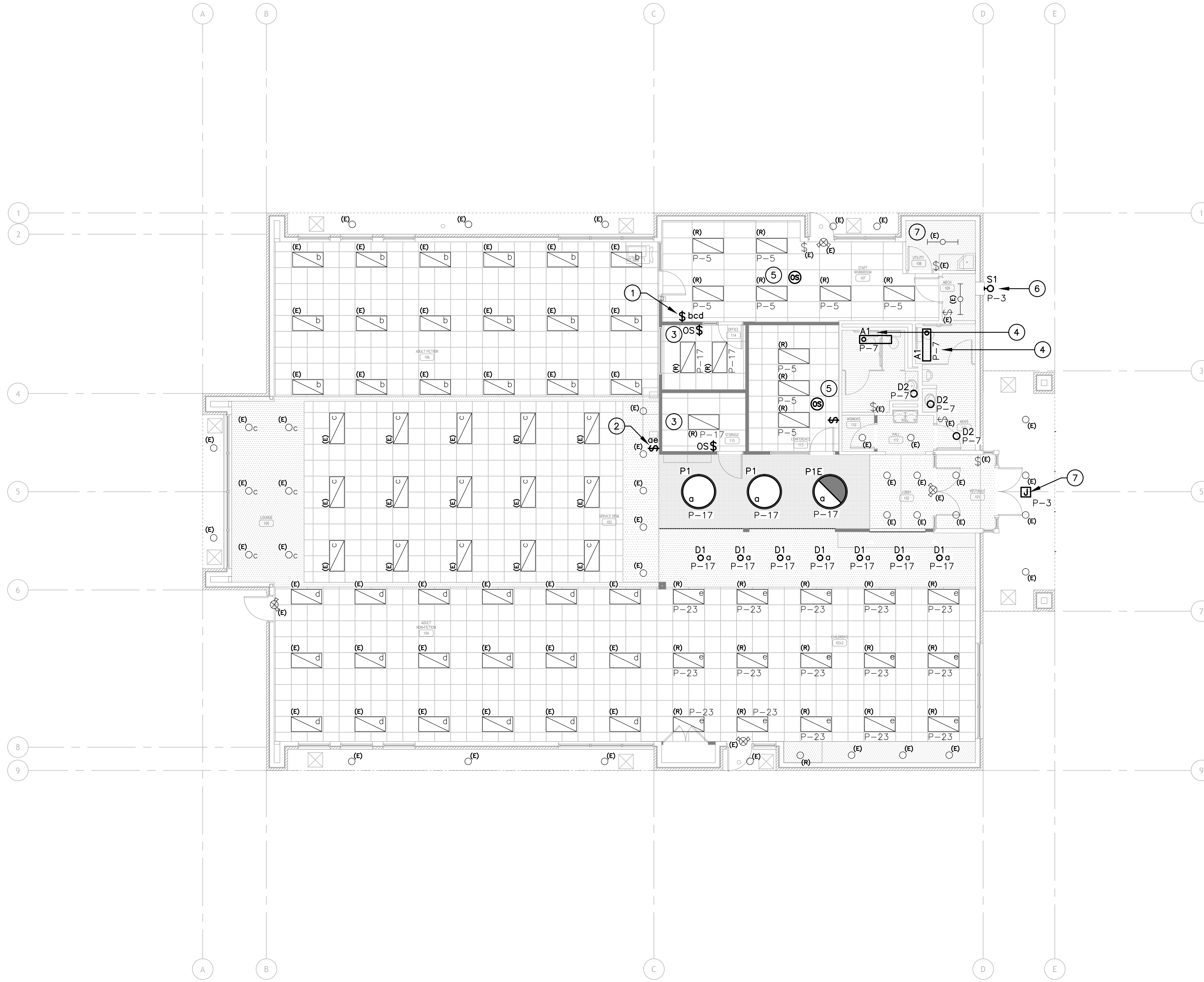
GENERAL NOTES

- A. ALL LIGHTING FIXTURES, SWITCHES, EQUIPMENT, ETC. LABELED AS DEMO '(D)', SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS DIRECTED OTHERWISE. COORDINATE DISPOSAL, RECYCLING, OR STORAGE WITH THE OWNER.
- B. CCTV AND FIRE ALARM EQUIPMENT ARE EXISTING TO REMAIN. COORDINATE WITH OWNER FOR ANY SHUTDOWN OF SYSTEM EQUIPMENT OR DEVICES REQUIRED FOR NEW CONSTRUCTION.
- C. THROUGH-FEED EXISTING DEVICES TO REMAIN.
- D. COORDINATE ALL ELECTRICAL SHUTDOWNS REQUIRED DURING DEMOLITION WITH OWNER.

KEYNOTES

- 1. NO WORK THIS AREA, UNLESS THAT WHICH IS REQUIRED TO THRU-FEED EXISTING DEVICES TO REMAIN.
- 2. REMOVE FIXTURES INDICATED AS DEMO '(D)' THIS SPACE, TYPICAL.
- 3. REMOVE AND PROTECT FIXTURES INDICATED FOR RELOCATION '(R)' IN THIS SPACE, TYPICAL. SEE SHEET E2.1 FOR RELOCATED FIXTURES.
- 4. REMOVE SWITCH BANK. EXTEND EXISTING SWITCH CIRCUITS TO NEW SWITCH STATION LOCATIONS SHOWN ON SHEET E2.1.
- 5. REMOVE EXTERIOR FIXTURES, REMOVE LV TRANSFORMER EXTEND EXISTING CIRCUIT FOR NEW FIXTURES.

1 LIGHTING PLAN
SCALE: 1/8"=1'-0"



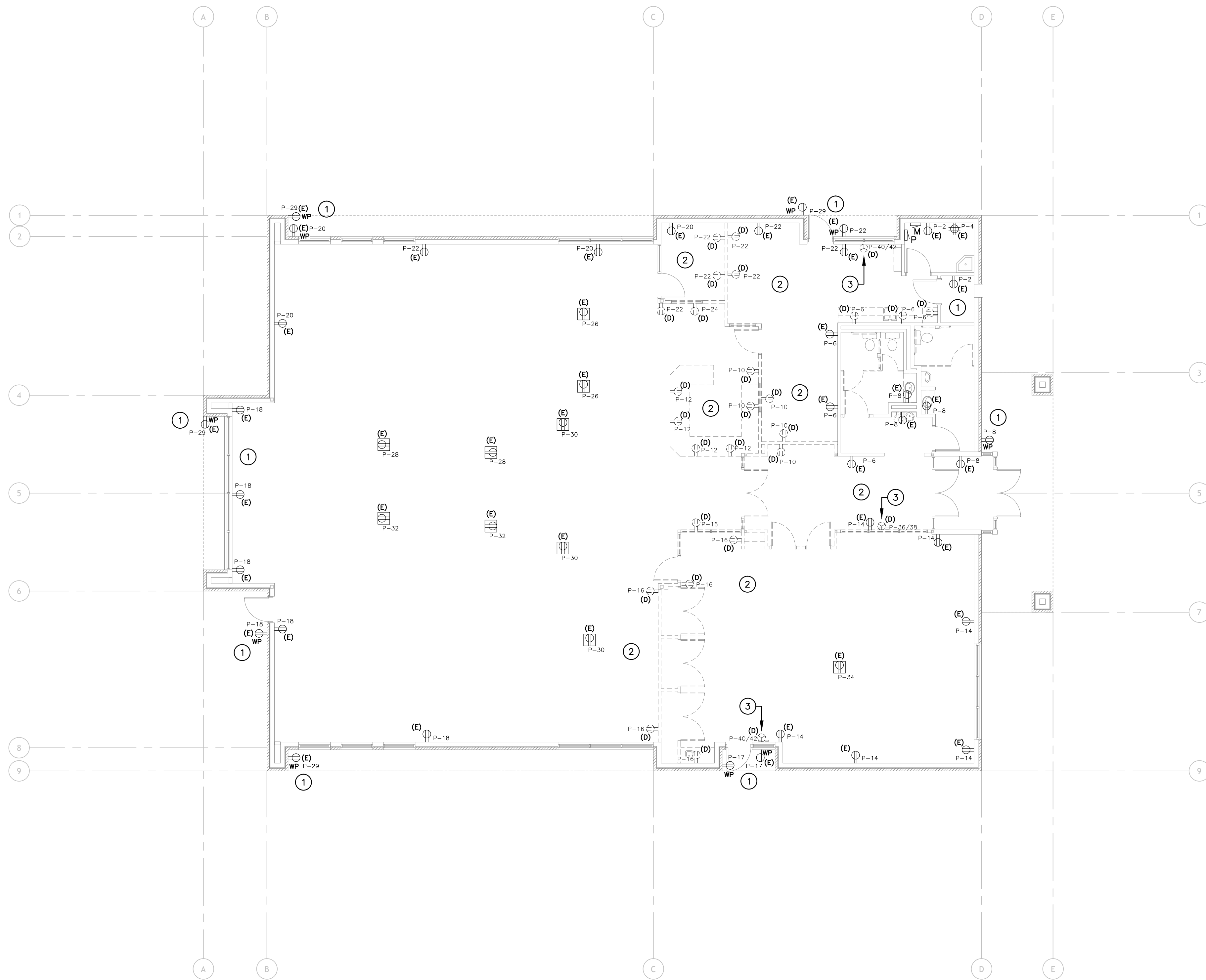
GENERAL NOTES

- A. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING AND REPAIRING OF EXISTING WALLS AS REQUIRED TO EXTEND CONDUIT AND WIRING.
- B. THE CONTRACTOR SHALL VERIFY THE TYPE OF WALL PENETRATION REQUIRED FOR EACH CONDUIT. PROVIDE CONCRETE DRILLING AS REQUIRED TO ROUTE CONDUITS.
- C. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S BUILDING MAINTENANCE PERSONNEL FOR REPLACEMENT OF ALL FAILED LAMPS AND BALLASTS IN RELOCATED AND EXISTING FIXTURES.
- D. PROVIDE ADDITIONAL CONDUCTORS IN EXISTING CONDUITS AS REQUIRED TO PERFORM THE SWITCHING FUNCTION SHOWN IN THE DRAWINGS.
- E. PROVIDE COMMISSIONING OF LIGHTING CONTROLS AND SYSTEMS AS REQUIRED BY CURRENT WASHINGTON STATE ENERGY CODE.
- F. VERIFY FIXTURE MOUNTING HEIGHTS WITH THE ARCHITECTURAL DRAWINGS, TYPICAL.

KEYNOTES

- 1. NEW SWITCH STATION FOR CONTROL OF SWITCH LEGS 'b', 'c', AND 'd'. EXTEND EXISTING SWITCH CIRCUITS TO LOCATION SHOWN.
- 2. NEW SWITCH STATION FOR CONTROL OF SWITCH LEGS 'a' AND 'e'. EXTEND EXISTING SWITCH CIRCUITS TO LOCATION SHOWN.
- 3. PROVIDE WALL SWITCH OCCUPANCY SENSOR TO CONTROL FIXTURES WITHIN SPACE.
- 4. PROVIDE UNSWITCHED CIRCUIT TO FIXTURES INDICATED FOR BATTERY BACKED OPERATION.
- 5. PROVIDE CEILING MOUNT OCCUPANCY SENSOR FOR CONTROL OF FIXTURES WITHIN SPACE.
- 6. INSTALL FIXTURE IN EXISTING LOCATION, EXTEND EXISTING CIRCUIT AS REQUIRED.
- 7. PROVIDE CONNECTION TO OFCI LIGHTED SIGN, EXTEND EXISTING CIRCUIT AS REQUIRED, COORDINATE LOCATION AND ADDITIONAL REQUIREMENTS WITH THE ARCHITECT.

1 POWER PLAN DEMO
 SCALE: 1/8"=1'-0"



GENERAL NOTES

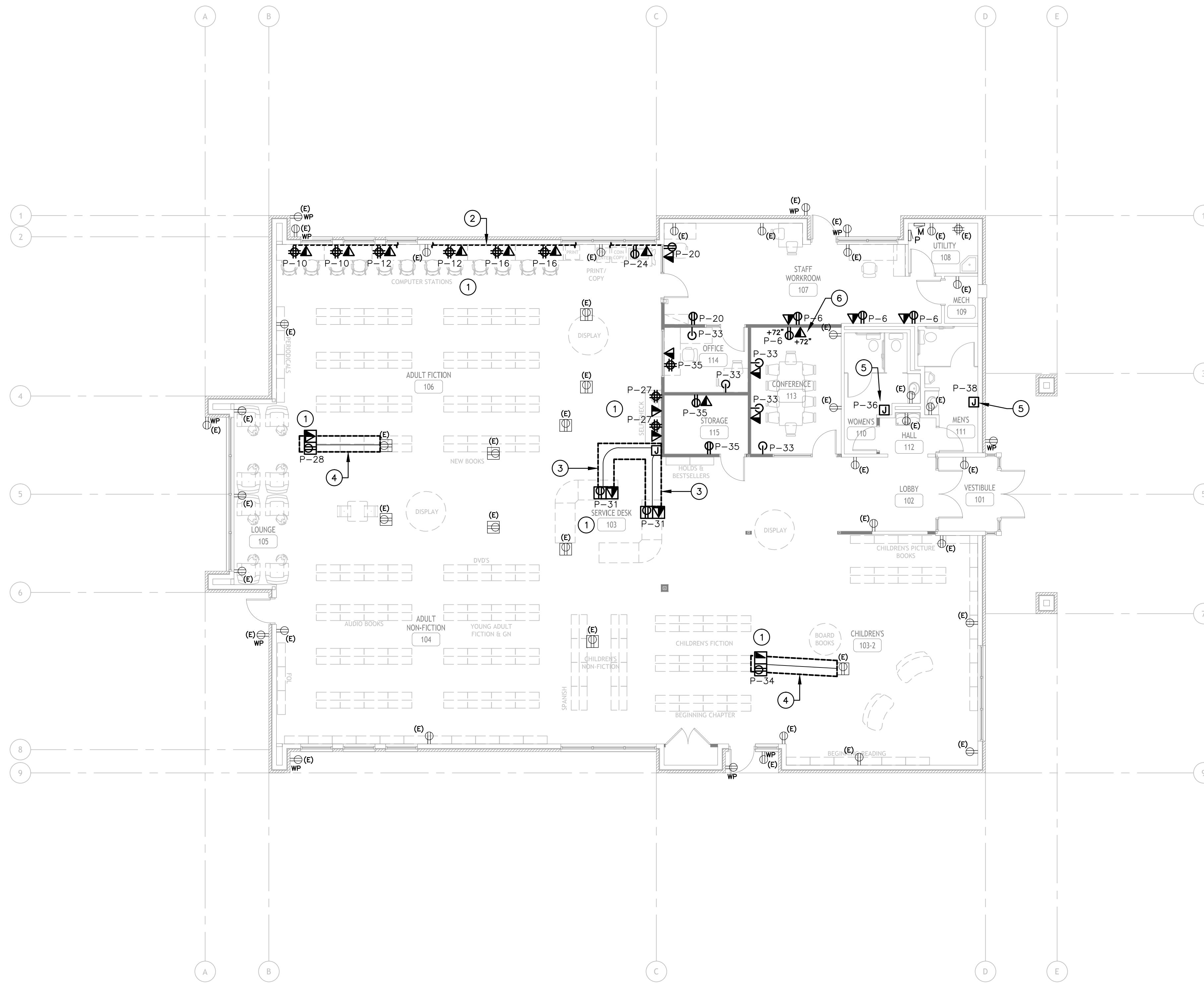
- A. ALL DEVICES LABELED AS DEMO '(D)', SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS DIRECTED OTHERWISE. COORDINATE DISPOSAL, RECYCLING, OR STORAGE WITH THE OWNER.
- B. CCTV AND FIRE ALARM EQUIPMENT ARE EXISTING TO REMAIN. COORDINATE WITH OWNER FOR ANY SHUTDOWN OF SYSTEM EQUIPMENT AND OR DEVICES REQUIRED FOR NEW CONSTRUCTION.
- C. THROUGH-FEED EXISTING DEVICES TO REMAIN.
- D. COORDINATE ALL ELECTRICAL SHUTDOWNS REQUIRED DURING DEMOLITION WITH OWNER.

KEYNOTES

- 1. NO WORK THIS AREA, UNLESS THAT WHICH IS REQUIRED TO THRU-FEED EXISTING DEVICES TO REMAIN.
- 2. REMOVE DEVICES INDICATED AS DEMO '(D)' THIS SPACE, TYPICAL.
- 3. REMOVE WALL HEATER REMOVE CIRCUIT TO PANELBOARD.



1 POWER PLAN
 SCALE: 1/8"=1'-0"

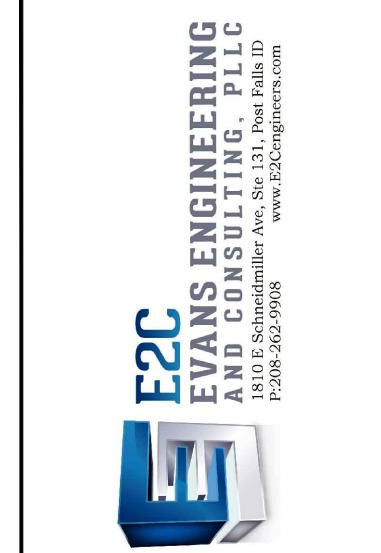


GENERAL NOTES

- A. MAINTAIN NEC REQUIRED WORKING CLEARANCES IN FRONT OF ELECTRICAL PANELBOARDS, SWITCHBOARDS, AND FUSED DISCONNECTS.
- B. COORDINATE RECEPTACLE MOUNTING HEIGHTS IN KITCHEN AND BREAK ROOM AREAS TO AVOID CONFLICTS WITH KITCHEN EQUIPMENT, COUNTERS, BACKSPASHES, AND FURNITURE.

KEYNOTES

- 1. FOR CLARITY NOT ALL EXISTING NETWORK LOCATIONS SHOWN. PROVIDE NEW NETWORK LOCATIONS INDICATED, TYPICAL.
- 2. ALL NEW DEVICES LOCATED ON THIS WALL TO BE SURFACE MOUNTED. PROVIDE STEEL SURFACE RACEWAY, WIREMOLD #V700 OR EQUAL.
- 3. SAW CUT EXISTING CONCRETE SLAB. PROVIDE (1) 1" FOR DATA AND POWER TO EACH FLOOR BOX LOCATION SHOWN. COORDINATE WITH ARCHITECT FOR EXACT DIMENSIONED LOCATION.
- 4. SAW CUT EXISTING CONCRETE SLAB. EXTEND EXISTING POWER AND DATA CIRCUITS. PROVIDE (1) 1" FOR DATA AND POWER BETWEEN EXISTING FLOOR BOX AND NEW FLOOR BOX. COORDINATE WITH ARCHITECT FOR EXACT DIMENSIONED LOCATION.
- 5. PROVIDE CIRCUIT INDICATED TO AIR DRYER. COORDINATE MOUNTING LOCATION AND ADDITIONAL REQUIREMENTS WITH THE ARCHITECT.
- 6. VERIFY MOUNTING HEIGHT OF RECEPTACLE AND NETWORK LOCATION.

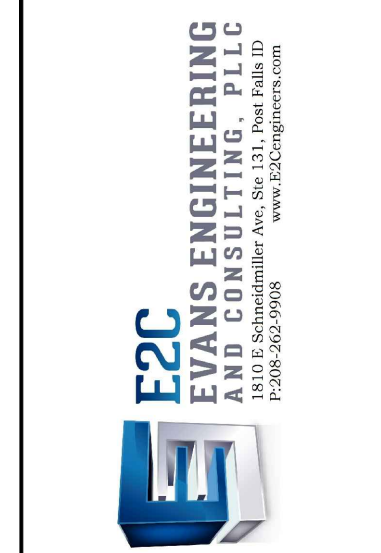


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ARCHITECTS PC
 Project No: 17-226
 Drawn by: EKH
 Date: SEPT 28, 2018
E3.1



PERMIT SET
SEPT. 28, 2018
POWER ONE-LINE AND
PANEL SCHEDULES

WEST RICHLAND BRANCH REMODEL
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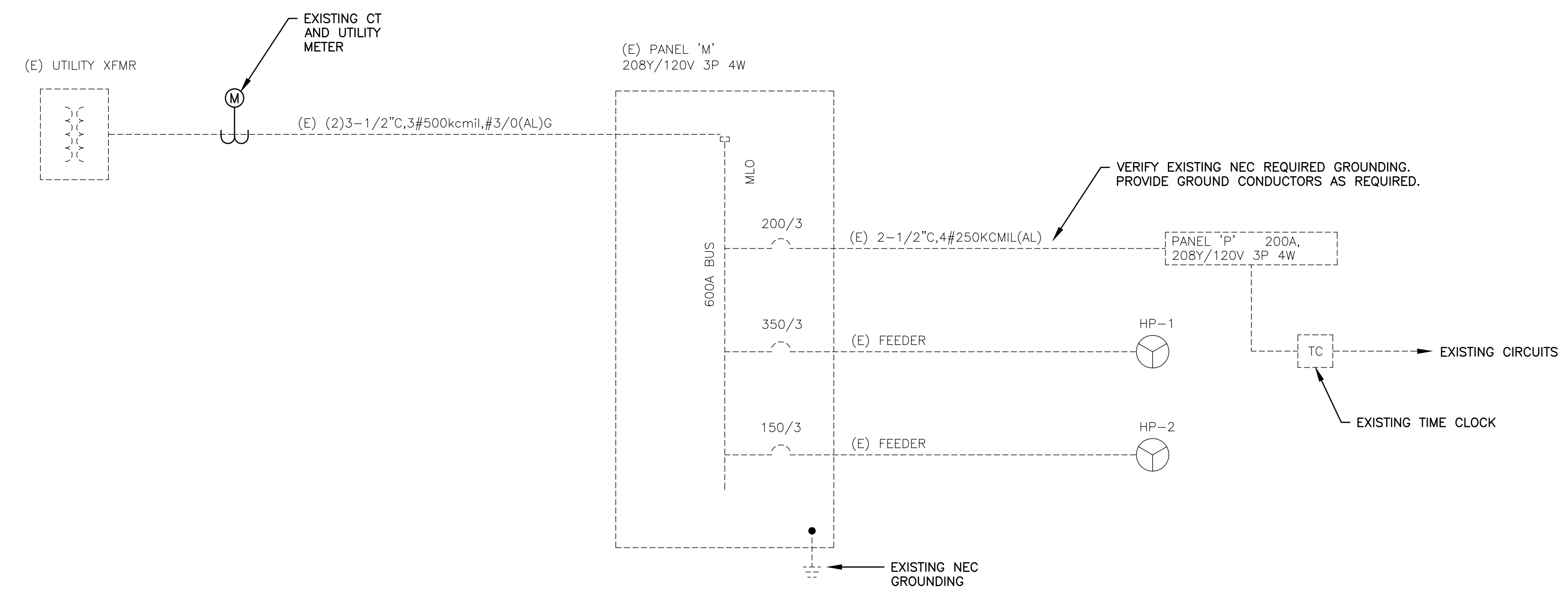
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Project No: 17-226
Drawn by: EKH
Date: SEPT 28, 2018

E6.1

M																		
ROOM: 108			VOLTS: 208Y/120V 3P 4W			AIC: EXISTING												
MOUNTING: FLUSH			BUS AMPS: 600			MAIN BKR: MLO												
FED FROM: UTILITY			NEUTRAL: 100%			LUGS: STANDARD												
NOTE: EXISTING PANEL																		
CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD							
				A	B	C					A	B	C					
1	350/3	1,3	HP-1 - ROOF	18	18		2	200/3	1	PANEL P	9.6	12	15					
3							4											
5							6											
7	150/3	1,3	HP-2 - ROOF	9			8	-/3		SPACE	0	0	0					
9				9			10											
11							12											
13	-/3		SPACE	0			14	-/3		SPACE	0	0	0					
15							16											
17							18											
19	-/1		SPACE	0			20	-/1		SPACE	0	0	0					
21	-/1		SPACE	0			22	-/1		SPACE	0	0	0					
23	-/1		SPACE	0			24	-/1		SPACE	0	0	0					
25	-/1		SPACE	0			26	-/1		SPACE	0	0	0					
27	-/1		SPACE	0			28	-/1		SPACE	0	0	0					
29	-/1		SPACE	0			30	-/1		SPACE	0	0	0					
31	-/1		SPACE	0			32	-/1		SPACE	0	0	0					
33	-/1		SPACE	0			34	-/1		SPACE	0	0	0					
35	-/1		SPACE	0			36	-/1		SPACE	0	0	0					
37	-/1		SPACE	0			38	-/1		SPACE	0	0	0					
39	-/1		SPACE	0			40	-/1		SPACE	0	0	0					
41	-/1		SPACE	0			42	-/1		SPACE	0	0	0					
				TOTAL CONNECTED KVA BY PHASE						37			39			42		
				TOTAL CONNECTED AMPS BY PHASE						300			330			350		
NOTES: 1. EXISTING CIRCUIT TO REMAIN, NO LOAD CHANGE 2. LOAD MODIFIED 3. EXISTING SERVICE DISCONNECT CIRCUIT BREAKER													LOAD TYPE CONN. KVA CALC. KVA LIGHTING 7.9 9.9 (125%) LARGEST MOTOR 54 68 (125%) OTHER MOTORS 27 27 (100%) RECEPTACLES 14 12 (50%>10) CONTINUOUS 0 0 (125%) HEATING 4.5 4.5 (100%) NONCONTINUOUS 10 10 (100%) KITCHEN EQUIP 0 0 (N/A) NONCOIN/DIVERSE 0 0 (N/A) METERED 0 0 (125%) TOTAL KVA 120 130 BALANCED THREE PHASE AMPS 360					

P																		
ROOM: 108			VOLTS: 208Y/120V 3P 4W			AIC: 22,000												
MOUNTING: FLUSH			BUS AMPS: 200			MAIN BKR: MLO												
FED FROM: M			NEUTRAL: 100%			LUGS: STANDARD												
NOTE: EXISTING PANEL																		
CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	NOTES	CIRCUIT DESCRIPTION	KVA LOAD							
				A	B	C					A	B	C					
1	20/1	1	LTG - PKG LOT (SOUTH EAST)	1			2	20/1	1	REC, CP-1 - 108,109	0.56							
3	20/1	2	LTG - EXT,PKG LOT		0.61		4	20/1	1	REC - 108 (TELE)		0.4						
5	20/1	2	LTG - 107			0.7	6	20/1	2	REC - ROOF,102,107,113			1.4					
7	20/1	2	LTG - 101,102,110,111,112	0.34			8	20/1	1	REC - EXT,101,110,111,112	1							
9	20/1		SPARE		0		10	20/1	2	REC - 108 (COMPUTERS)		1.6						
11	20/1	1	LTG - 106			1.2	12	20/1	2	REC - 106 (COMPUTERS)			1.6					
13	20/1	1	LTG - 103,105,106	1.1			14	20/1	1	REC - 102,103-2	1.3							
15	20/1	1	LTG - 104		1.2		16	20/1	2	REC - 106 (COMPUTERS)		1.6						
17	20/1	2	LTG - 103,103-2			0.73	18	20/1	1	REC - EXT,104,105			1.1					
19	20/1		SPARE	0			20	20/1	2	REC - EXT,106,107	1.3							
21	20/1		SPARE	0			22	20/1	1	REC - 106,107		0.9						
23	20/1	2	LTG - 103-2			1.1	24	20/1	2	REC - 106 (COPIER)			1					
25	20/1		SPARE	0			26	20/1	1	REC - 106 (FLOOR BOX)	0.36							
27	20/1	2	REC - 103 (SELF CHECK)		1.6		28	20/1	2	REC - 106 (FLOOR BOX)		0.76						
29	20/1	1	HEAT TAPE ROOF DRAIN - EXT			0.9	30	20/1	1	REC - 104,106 (FLOOR BOX)			0.54					
31	20/1	2	REC - 103 (FLOOR BOX)	0.8			32	20/1	1	REC - 104 (FLOOR BOX)	0.36							
33	20/1	2	REC - 113, 114 (CONTROLLED)		0.9		34	20/1	2	REC - 103-2 (FLOOR BOX)		0.6						
35	20/1	2	REC - 114,115			0.72	36	20/1	3,4	HAND DRYER - 110			1.5					
37	-/1		SPARE	0			38	20/1	3,4	HAND DRYER - 111	1.5							
39	30/2	1	WATER HEATER - 109		2.3		40	-/1	4	SPARE	0		0					
41							42	-/1	4	SPARE			0					
				TOTAL CONNECTED KVA BY PHASE						9.6			12			15		
				TOTAL CONNECTED AMPS BY PHASE						80			100			120		
NOTES: 1. EXISTING CIRCUIT TO REMAIN. 2. EXISTING CIRCUIT MODIFIED. 3. NEW LOAD ADDED, PROVIDE CIRCUIT BREAKER SIZE AS INDICATED. 4. REMOVE EXISTING 2-POLE BREAKER, REPLACE WITH (2) 1-POLE 20A BREAKERS.													LOAD TYPE CONN. KVA CALC. KVA LIGHTING 7.9 9.9 (125%) LARGEST MOTOR 0.2 0.25 (125%) OTHER MOTORS 0 0 (100%) RECEPTACLES 14 12 (50%>10) CONTINUOUS 0 0 (125%) HEATING 4.5 4.5 (100%) NONCONTINUOUS 10 10 (100%) KITCHEN EQUIP 0 0 (N/A) NONCOIN/DIVERSE 0 0 (N/A) METERED 0 0 (125%) TOTAL KVA 37 37 BALANCED THREE PHASE AMPS 100					



1 POWER ONE-LINE DIAGRAM
SCALE: NO SCALE