

# DVC RENOVATIONS

## PRINT SHOP, STUDENT SUCCESS CENTER & HEALTH SERVICES STATION

### DIABLO VALLEY COLLEGE - CONTRA COSTA CCD

### BID SET - 28 MAR 2022

#### PROJECT TEAM

<b>OWNER:</b> CONTRA COSTA COMMUNITY COLLEGE DISTRICT 500 COURT STREET MARTINEZ, CA 94553 T: 925 229 1000 CONTACT: PJ ROACH proach@dvcgroup.com	<b>ARCHITECT:</b> DLR GROUP 235 MONTGOMERY STREET SUITE 350 SAN FRANCISCO, CA 94104 T: 415 777 4770 CONTACT: IRENE MONIS imonis@dlrgroup.com	<b>STRUCTURAL ENGINEER:</b> DLR GROUP 700 FLOWER STREET 22ND FLOOR, LOS ANGELES, CA 90017 T: 214 674 9803 CONTACT: DANNY AHKIAM dahkiam@DLRGROUP.com
<b>M. E. P. ENGINEER:</b> DLR GROUP 700 FLOWER STREET 22ND FLOOR, LOS ANGELES, CA 90017 T: 303 218 6702 (E: 38-6702) CONTACT: JON RASMUSSEN jrasmussen@DLRGROUP.com	<b>CIVIL ENGINEER:</b> SIEGFRIED ENGINEERING 3428 BROOKSIDE ROAD STOCKTON, CA 95219 T: 209 607 0710 CONTACT: PAUL SCHNEIDER psj@siegfriedeng.com	<b>COST ESTIMATOR:</b> CUMMING 475 SANSOME STREET SUITE 700 SAN FRANCISCO, CA 94111 T: 415.748.3093 CONTACT: NICK MATA nmata@ccorpusa.com

#### DEFERRED APPROVAL ITEMS

NONE - PROJECT IS SUBMITTED IN ITS ENTIRETY

#### INCREMENTAL SUBMITTALS

NONE - PROJECT IS SUBMITTED AS A SINGLE INCREMENT

#### DSA APPLICATION NUMBER

01-119997

#### PROJECT ADDRESS

321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

#### DSA FILE NUMBER

07-C1

#### PROJECT ALTERNATES

**ALTERNATE 1: REMOVE WINDOW AT NORTH**  
- PLANETARIUM. REMOVE NORTH WINDOW AT CLASSROOMS AND FLIP DOOR SWING.

#### NOTE FOR BID SET

THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE ISSUED FOR BID PRIOR TO OBTAINING THE REQUIRED PERMIT FROM THE DIVISION OF THE STATE ARCHITECT (DSA). A PERMIT SET WILL BE ISSUED AS AN ADDENDUM ONCE THE DSA PERMIT IS SECURED. MINOR SCOPE ADJUSTMENTS AND/OR ADDITIONS ARE EXPECTED AS A RESULT.

#### PROJECT DESCRIPTION AND SCOPE OF WORK

THE PROPOSED PROJECT CONSISTS OF THE ALTERATION OF SEVERAL 2-STORY FACILITIES ON THE CAMPUS, CONSISTING OF THE STUDENT UNION BUILDING, BUSINESS/FOREIGN LANGUAGE BUILDING (BFL), PERFORMING ARTS CENTER BUILDING (PAC), LEARNING CENTER BUILDING, AND PLANETARIUM BUILDING FOR STUDENT SUCCESS CENTER, AS WELL AS THE BOOKSTORE. SEE CP SHEETS FOR MORE SPECIFIC DESCRIPTIONS AT EACH BUILDING.

- STUDENT UNION: GENERAL HEALTH SERVICE AREAS
- LEARNING CENTER: GATHERING/ASSEMBLY SPACES
- BFL, PAC: GENERAL USE CLASSROOMS AND COMPUTER LABS
- PLANETARIUM: LOBBIES
- BOOKSTORE: PRINT SHOP AND ASSOCIATED STORAGE SPACES
- PAC: LATERAL SYSTEM ALTERATIONS

AS PART OF THE ACCESSIBLE PATH OF TRAVEL UPGRADES, THE FOLLOWING ITEMS WILL BE UPGRADED/ADJUSTED:

- RESTROOMS, DRINKING FOUNTAINS, SIGNAGE, EXTERIOR RAMP AT LEARNING CENTER AND PLANETARIUM AND WALKING PATH LEADING TO THE PLANETARIUM. OTHER EXTERIOR PATH OF TRAVEL ITEMS NOT INCLUDED IN CAN BE FOUND IN THE REQUEST FOR UNREASONABLE HARDSHIP APPLICATION.

SITEWORK, LIMITED TO HARDSCAPE, IS INCLUDED. SEE CIVIL SHEETS.

PROJECT IS NOT LOCATED IN A WILDLAND-URBAN FIRE INTERFACE AREA. CHAPTER 7A IS NOT APPLICABLE.

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020\*

2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR\*  
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR  
(2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR  
(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR  
(2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR  
(2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR  
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR  
(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR  
(2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)  
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR  
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR  
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS  
2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35)  
NOTE: CALIFORNIA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS

2020 LOS RIOS COMMUNITY COLLEGE DISTRICT DESIGN GUIDELINES  
NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED).....2019 EDITION  
NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED).....2016 EDITION  
NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS.....2017 EDITION  
NFPA 17A - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS.....2017 EDITION  
NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.....2016 EDITION  
NFPA 22 - STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION.....2015 EDITION  
NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED).....2019 EDITION  
NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED).....2019 EDITION  
NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES.....2016 EDITION  
NFPA 2001 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED).....2015 EDITION  
UL 300 - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT.....2005 (R2010)  
UL 464 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES.....2003 EDITION  
UL 521 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS.....1999 EDITION  
UL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED.....2002 (R2010)  
ICC 300 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS.....2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

\*ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2020 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8, 2019.

#### ARCHITECT'S STATEMENT

##### STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(APPLICATION NO. 01-119997 FILE NO. 07-C1)

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 18138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-317 [B])

I FIND THAT: ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE OF THE ARCHITECT/ENGINEER DATE  
NAME, DATE, AFFILIATION

LICENSE NUMBER EXPIRATION DATE

#### FLOOD ZONE NOTE

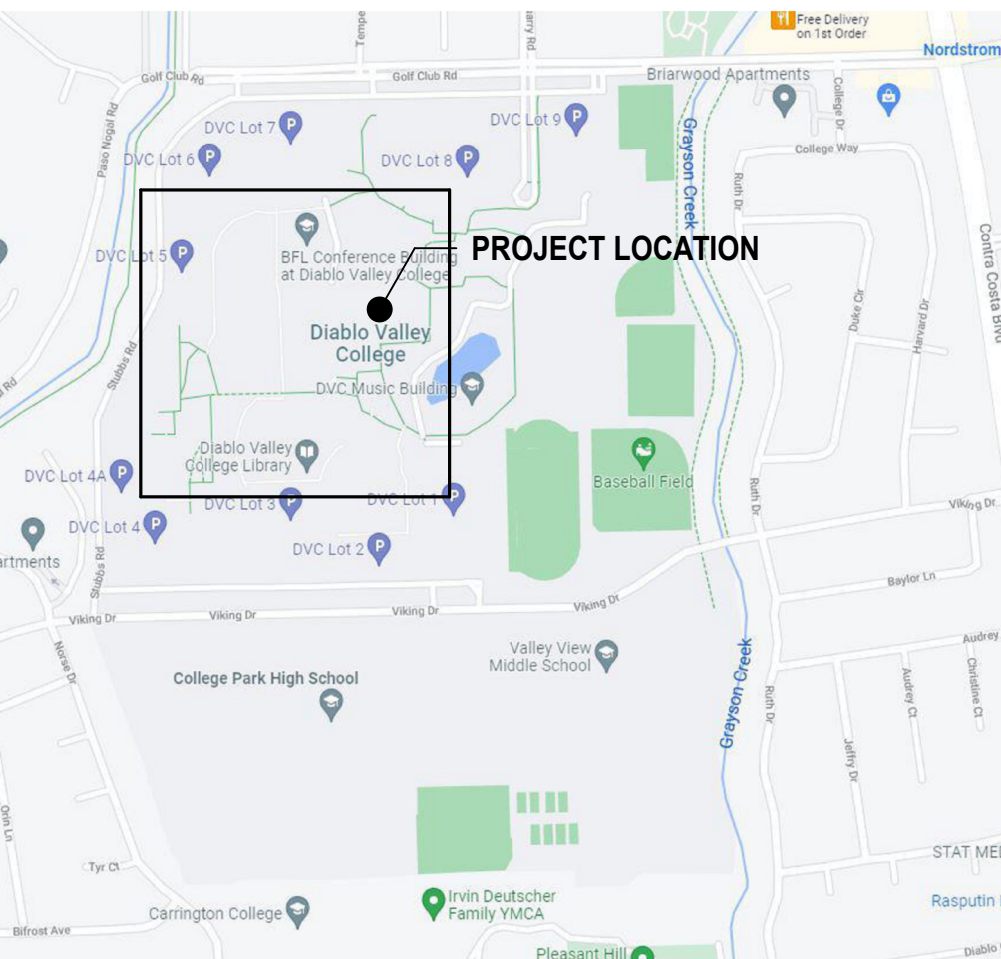
THE PROJECT IS LOCATED IN UNSHADED ZONE X "AREA OF MINIMAL FLOOD HAZARD"

Flood Hazard Boundaries:  
Limit Lines  
SMAU Flood Zone Boundary  
Flood Hazard Zones:  
1% Annual Chance Flood Hazard  
Regulatory Floodway  
Special Floodway  
Area of Undetermined Flood Hazard  
0.2% Annual Chance Flood Hazard  
Future Conditions 1% Annual Chance Flood Hazard  
Area with Reduced Risk Due to Levee  
Area with Risk Due to Levee

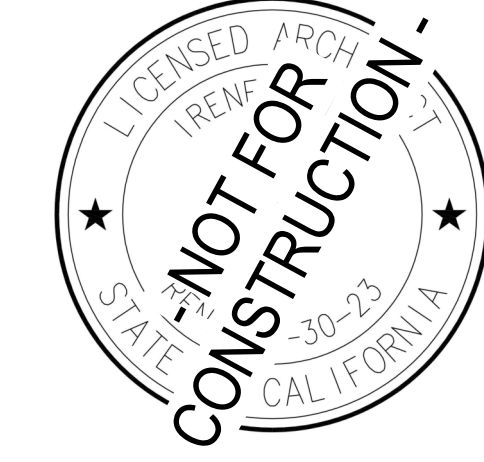
EXCERPT FROM MAP:



#### VICINITY MAP



DSA APPROVAL STAMP



**DLR Group**  
235 Montgomery Street, Suite 350 San Francisco, CA 94104  
© DLR Group

**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student Success, & Health Services Renovation**  
COCOD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

COVER SHEET

**G0.00**



BM 360/775-21809-00 CCCCDD - Print Shop Relocation/775-21809-00\_Prtl Shop\_AR\_2020.rvt  
3/28/22 11:54:42 PM

GENERAL ABBREVIATIONS

# & @	NUMBER AND AT
ADA	AMERICANS WITH DISABILITY ACT
ADDN	ADDITION OR ADDITIONAL
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BFL	BUSINESS/FOREIGN LANGUAGE BUILDING
BLDG	BUILDING
BSMT	BASEMENT
CL	CENTER LINE
CLG	CEILING
CM	CENTIMETER
CONC	CONCRETE
CONN(S)	CONNECTION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CTR	CENTER
D	DEPTH
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIV	SPECIFICATION DIVISION
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
EQ	EQUIPMENT
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EXIST	EXISTING
EXT	EXTERIOR
FN	FINISHED
FL	FLOOR
FT	FEET
FUT	FUTURE
GC	GENERAL CONTRACTOR
GOVT	GOVERNMENT
H	HEIGHT
HORIZ	HORIZONTAL
HT	HEIGHT
I.e.	THAT IS
IBC	INTERNATIONAL BUILDING CODE
IN	INCH
INT	INTERIOR
LB(S)	POUND(S)
M	THOUSAND
M	METER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
OVHD	OVERHEAD
PAC	PERFORMING ARTS CENTER BUILDING
PAR	PARALLEL
PENT	PENTHOUSE
PLYWD	PLYWOOD
QTY	QUANTITY
REQ(D)	REQUIRE(D)
REV	REVISION(S)
RM	ROOM
RND	ROUND
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SH	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SSC	STUDENT SUCCESS CENTER
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SYM	SYMETRICAL
TEMP	TEMPORARY
TYP	TYPICAL
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST
W	WITH
W/O	WITHOUT

ARCHITECTURAL ABBREVIATIONS

(E)	EXISTING	(E)	EXISTING	FLM	FULL LENGTH MIRROR	R	RISER
ACC	ADA ACCESSIBLE	AE	ARCHITECT/ENGINEER	FLUOR	FLUORESCENT	RAD	RADIUS
AB	AIR BARRIER	AB	ASBESTOS	FO	FINISH OPENING	RB	RUBBER BASE
ABS	ASBESTOS	ACR	ACRYLIC	FOC	FACE OF CONCRETE	RC	REMOTE CONTROL
AD	ADJUSTABLE	ADJ	ADJACENT	FOM	FACE OF MASONRY	RCP	REFLECTED CEILING PLAN
ADJ	ADJUSTABLE	ADJ	ADJACENT	FOS	FACE OF STUD	RD	ROOF DRAIN
ADJT	ADJUTANT	ADJT	ADJUTANT	FW	FACE OF WALL	REF	REFERENCE
ADMIN	ADMINISTRATION	ADJT	ADJUTANT	FR	FIREPROOFING	REFL	REFLECTED
AEC	AUTOMATED EXTERNAL DEFIBRILLATORS	ADJT	ADJUTANT	FP	FIRE RESISTANT	REM	REMOVABLE
AL	ALUMINUM	ADJT	ADJUTANT	FRP	FIBERGLASS REINFORCED PANEL	RESIL	RESILIENT
ALUM	ALUMINUM	ADJT	ADJUTANT	FRT	FIRE RESISTANCE TREATED	RF	RESILIENT FLOORING
AP	ACCESS PANEL	ADJT	ADJUTANT	FS	FLOOR SINK	RFM	RECESSED FLOOR MAT
APC	ACOUSTIC PANEL CEILING	ADJT	ADJUTANT	FTG	FOOTING	R&C	ROUGH IN AND CONNECT
ASPH	ASPHALT	ADJT	ADJUTANT	FVC	FIRE VALVE CABINET	S	SINK
AUTO	AUTOMATIC	ADJT	ADJUTANT	G	GROUT	SAT	SPRAYED ACOUSTIC TREATMENT
AVG	AVERAGE	ADJT	ADJUTANT	GA	GAUGE	SAW	SOUND ABSORBING WALL UNITS
AWP	ACOUSTIC WALL PANEL	ADJT	ADJUTANT	GAL	GALLON	SB	SPLASH BLOCK
SNV2	SANITARY NAPKIN VENDOR	ADJT	ADJUTANT	GALV	GALVANIZED	SC	SOLID CORE
B.O.	BOTTOM OF	ADJT	ADJUTANT	GB	GRAB BAR	SCH	SHOWER CURTAIN
BD	BOARD	ADJT	ADJUTANT	GD	GARBAGE DISPOSAL	SCF	SHOWER CURTAIN HOOK
BLK	BLOCK	ADJT	ADJUTANT	GEN	GENERAL	SECY	SECRETARY
BLKG	BLOCKING	ADJT	ADJUTANT	GFA	GROSS FLOOR AREA	SF	SQUARE FEET
BLKHD	BULKHEAD	ADJT	ADJUTANT	GL	GLUE LAMINATED	SQL	SINGLE
BM(S)	BEAM(S)	ADJT	ADJUTANT	GMP	GUARANTEED MAXIMUM PRICE	SH	SHOWER
BOT	BOTTOM	ADJT	ADJUTANT	GR	GUARD RAIL	SHM	SECURITY HOLLOW METAL
BRDG	BRIDGING	ADJT	ADJUTANT	GRS	GALVANIZED RIGID STEEL	SIL	SEALANT
BRG	BEARING	ADJT	ADJUTANT	GRV	GYPSON WALL BOARD	SMT	SHEET METAL
BRKT	BRACKET	ADJT	ADJUTANT	GWB	GYPSON WALL BOARD	SPL	SOUND PRESSURE LEVEL
BT	BATH/TUB	ADJT	ADJUTANT	GYP	GYPSON	SQ	SQUARE
BTWN	BETWEEN	ADJT	ADJUTANT	SNV1	SANITARY NAPKIN VENDOR	SS	SOLID SURFACE
BTWN	BETWEEN	ADJT	ADJUTANT	PTD2	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	SSA	STORM SHELTER AREA
SCD	SEAT COVER DISPENSER, SURFACE-MOUNTED	ADJT	ADJUTANT	SD	SOAP DISPENSER, SURFACE-MOUNTED	SST	STAINLESS STEEL
SN02	SANITARY NAPKIN DISPOSAL	ADJT	ADJUTANT	ST	STONE	ST	STAIR
SCR	SEAT COVER DISPENSER, RECESSED	ADJT	ADJUTANT	STAGD	STAGGERED	STC	SOUND TRANSMISSION CLASS
PTR	PAPER TOWEL DISPENSER, RECESSED	ADJT	ADJUTANT	HC	HOLLOW CORE	STGR	STRINGER
WR1	WASTE RECEPTACLE, RECESSED	ADJT	ADJUTANT	HDF	HIGH DENSITY FIBERBOARD	SUBFL	SUBFLOOR
PWS	COMBINATION TOWEL DISPENSER/RECEPTACLE, SEMI-RECESSED	ADJT	ADJUTANT	HDR	HEADER	SURF	SURFACE
PWR	COMBINATION TOWEL DISPENSER/RECEPTACLE, RECESSED	ADJT	ADJUTANT	HDWD	HARDWOOD	SUSP	SUSPENDED
PTD3	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	ADJT	ADJUTANT	HDWR	HARDWARE	SVF	SHEET VINYL FLOORING
WR2	WASTE RECEPTACLE, SURFACE-MOUNTED	ADJT	ADJUTANT	HM	HOLLOW METAL	T	TREAD
RH	ROBE HOOK	ADJT	ADJUTANT	HR	HOUR	T&G	TONGUE AND GROOVE
MRS	MIRROR WITH SHELF	ADJT	ADJUTANT	HR	HANDRAIL	T.O	TOP OF
SSS	STAINLESS STEEL SHELF	ADJT	ADJUTANT	HS	HARDWARE SET	TAN	TANGENT
CAB	CABINET	ADJT	ADJUTANT	HSS	HOLLOW STRUCTURAL SHAPE	TB	TOWEL BAR
CHD	CHALKBOARD	ADJT	ADJUTANT	HVAC	HEATING VENTILATING AND AIR CONDITIONING	TBD	TACK BOARD
CER	CERAMIC	ADJT	ADJUTANT	I&W	IN ACCORDANCE WITH	TCP	TOILET COMPARTMENT PARTITION
CF	CUBIC FEET	ADJT	ADJUTANT	ID	INSIDE DIAMETER	TER	TERRAZZO
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	ADJT	ADJUTANT	IF	INSIDE FACE	TH	THRESHOLD
CFMF	COLD-FORMED METAL FRAMING	ADJT	ADJUTANT	IGL-2	20 MINUTE RATED TEMPERED GLASS, INTERIOR	THK	THICKNESS
CI	CAST IRON	ADJT	ADJUTANT	I	ISOLATION JOINT	TI	TENANT IMPROVEMENT
CIP	CAST IN PLACE	ADJT	ADJUTANT	US	IN JOIST SPACE	TM	TILT MIRROR UNIT
CJ	CONTROL JOINT	ADJT	ADJUTANT	INC	INCLUDING	TOL	TOILET
CJA	CONTROL JOINT ABOVE	ADJT	ADJUTANT	INSUL	INSULATION	TOP	TOP OF PAVING
CLO	CLOSET	ADJT	ADJUTANT	JAN	JANITOR	TRANS	TRANSVERSE
CLR	CLEAR	ADJT	ADJUTANT	JBE	JOIST BEARING ELEVATION	TT	TERRAZZO TILE
CMU	CONCRETE MASONRY UNIT	ADJT	ADJUTANT	JCT	JUNCTION	TW	TACK WALL
COL	COLUMN	ADJT	ADJUTANT	JFB	JOINT FILLER BOARD	UL	UNDERWRITERS LABORATORIES
COM	COMMON	ADJT	ADJUTANT	JST	JOIST	UR	URINAL
COMB	COMBINATION	ADJT	ADJUTANT	JT	JOINT	US	UTILITY SHELF
COMM	COMMUNICATIONS	ADJT	ADJUTANT	KCJ	KEYED CONSTRUCTION JOINT	UTIL	UTILITY
COMPR	COMPRESSIBLE	ADJT	ADJUTANT	KD	KNOCKDOWN	VB	VAPOR BARRIER
CONF	CONFERENCE	ADJT	ADJUTANT	KH	KITCHEN HOOD	VB	VINYL BASE
CONFIG	CONFIGURATION	ADJT	ADJUTANT	KIT	KITCHEN	VCB	VENTED COVE BASE
CORR	CORRIDOR	ADJT	ADJUTANT	PTD1	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	VFL	VOLATILE ORGANIC COMPOUND
CP	COVER PLATE	ADJT	ADJUTANT	IGL-3	30 MINUTE RATED TEMPERED GLASS, INTERIOR	VOL	VOLUME
CPT	CARPET	ADJT	ADJUTANT	L	ANGLE	VP	VENEER PLASTER
CR	CHAIR RAIL	ADJT	ADJUTANT	LAB	LABORATORY	VT	VINYL TILE
CS	COUNTERSINK	ADJT	ADJUTANT	LAM	LAMINATED	VWC	VINYL WALL COVERING
CSTJ	CONSTRUCTION JOINT	ADJT	ADJUTANT	LBR	LUMBER	W	WIDE
CSWK	CASEWORK	ADJT	ADJUTANT	LDG	LOADING	WB	WALL BASE
CT	CERAMIC TILE	ADJT	ADJUTANT	LF	LINEAR FOOT	WC	WALL COVERING
CU	COPPER	ADJT	ADJUTANT	LG	LENGTH (LONG)	WCL	WATER CLOSET/LAVATORY COMBINATION
CU	COMBINATION UNIT	ADJT	ADJUTANT	LIN	LINEAR	WD	WOOD
CV	CONDOM VENDOR	ADJT	ADJUTANT	LINO	LINOLEUM	WDF	WOOD FLOORING
CY	CUBIC YARD	ADJT	ADJUTANT	LKR	LOCKER	WDV	WINDOW
CYL	CYLINDER	ADJT	ADJUTANT	LOC	LOCATION	WRO	WROUGHT IRON
EGL-1	CLEAR, TEMPERED INSULATING GLASS, EXTERIOR	ADJT	ADJUTANT	LONG	LONGITUDINAL	WOM	WALK OFF MAT
IGL-1	CLEAR, TEMPERED GLASS, INTERIOR	ADJT	ADJUTANT	LSC	LIFE SAFETY CODE	WRB	WEATHER RESISTANT BARRIER
DN1	SANITARY NAPKIN DISPOSAL	ADJT	ADJUTANT	LTG	LIGHTING	WW	WARM WHITE
DB	DECIBEL	ADJT	ADJUTANT	LV	LOUVER	WWF	WELDED WIRE FABRIC
DBL	DOUBLE	ADJT	ADJUTANT	LVT	LUXURY VINYL TILE	YD	YARD
DC	DUST COLLECTOR	ADJT	ADJUTANT	MAG	MAGNETIC		
DEPR	DEPRESSION(ION/ED)	ADJT	ADJUTANT	MAINT	MAINTENANCE		
DEPT	DEPARTMENT	ADJT	ADJUTANT	MAN	MANUAL		
DET	DETENTION	ADJT	ADJUTANT	MAS	MASONRY		
DF	DRINKING FOUNTAIN	ADJT	ADJUTANT	MATL	MATERIAL		
DG	DOOR GRILLE	ADJT	ADJUTANT	MB	MOP BASIN		
DIAG	DIAGONAL	ADJT	ADJUTANT	MBD	MARKER BOARD		
DAMP	DAMP-PROOFING	ADJT	ADJUTANT	MC	MEDICINE CABINET		
DR	DOOR	ADJT	ADJUTANT	MEMB	MEMBRANE		
DSN	DOWNSPOUT NOZZLE	ADJT	ADJUTANT	MH	MANHOLE		
DW	DISHWASHER	ADJT	ADJUTANT	MTD	MOUNTED		
DWL(S)	DOWEL(S)	ADJT	ADJUTANT	MTG	MOUNTING		
DWR	DRAINER	ADJT	ADJUTANT	MUL	MULLION		
EB	EXPANSION BOLT	ADJT	ADJUTANT	NC	NOISE CRITERIA		
EE	EACH END	ADJT	ADJUTANT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
EEW	EMERGENCY EYE WASH	ADJT	ADJUTANT	NOM	NOMINAL		
EEWS	EMERGENCY EYE WASH SHOWER	ADJT	ADJUTANT	O to O	OUT TO OUT		
EFF	EFFICIENCY	ADJT	ADJUTANT	OA	OVERALL		
EJ	EXPANSION JOINT	ADJT	ADJUTANT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
ELAS	ELASTOMERIC	ADJT	ADJUTANT	OFF	OFFICE		
ELEV	ELEVATOR	ADJT	ADJUTANT	OFON	OWNER FURNISHED OWNER INSTALLED		
EMER	EMERGENCY	ADJT	ADJUTANT	OH	OPPOSITE HAND		
ENCL	ENCLOSURE	ADJT	ADJUTANT	OPG(S)	OPENING(S)		
ENTR	ENTRANCE	ADJT	ADJUTANT	OSHA	OPERATIONAL SAFETY AND HEALTH ADMINISTRATION		
ERF	EPOXY RESIN FLOORING	ADJT	ADJUTANT	OTB	OPEN TO BELOW		
EUI	ENERGY USE INTENSITY	ADJT	ADJUTANT	OVFL	OVERFLOW		
EW	EACH WAY	ADJT	ADJUTANT	P	PAINT		
EXP	EXPANSION	ADJT	ADJUTANT	PAN B	PANIC BOLT		
EXP	EXPOSED	ADJT	ADJUTANT	PB	PARTICLE BOARD		
F	FABRIC	ADJT	ADJUTANT	PC	PRECAST CONCRETE		
F.O.	FACE OF	ADJT	ADJUTANT	PCD	PAPER CUP DISPENSER		
FAB	FABRICATE(D)	ADJT	ADJUTANT	PCT	PORCELAIN CERAMIC TILE		
FB	FACE BRICK	ADJT	ADJUTANT	PD	PANIC DEVICE		
FD	FLOOR DRAIN	ADJT	ADJUTANT	PERF	PERFORATED		
FDN	FOUNDATION	ADJT	ADJUTANT	PERP	PERPENDICULAR		
FE	FIRE EXTINGUISHER	ADJT	ADJUTANT	PIC	PORTABLE INSTRUMENT CONNECTION		
FEC	FIRE EXTINGUISHER CABINET	ADJT	ADJUTANT	PL	PLATE		
FF	FINISH FLOOR	ADJT	ADJUTANT	PL	PROPERTY LINE		
FN	FIRE HYDRANT	ADJT	ADJUTANT	PL	PLASTIC LAMINATE		
FHC	FIRE HOSE CABINET	ADJT	ADJUTANT	PLAM	PLASTIC LAMINATE		
FIG	FIGURE	ADJT	ADJUTANT	PLBG	PLUMBING		
FIX	FIXTURE	ADJT	ADJUTANT	PR	PAIR		
FLASH	FLASHING	ADJT	ADJUTANT	PREFAB	PREFABRICATED		
FLEX	FLEXIBLE	ADJT	ADJUTANT	PROJ	PROJECT(OR) (ION)		
FLG	FLOORING	ADJT	ADJUTANT	PS	PROJECTION SCREEN		
OT	QUARRY TILE	ADJT	ADJUTANT	PT	POINT		
QTR RND	QUARTER ROUND	ADJT	ADJUTANT	PT	POINT OF TANGENCY		
		ADJT	ADJUTANT	PTN	PARTITION		
		ADJT	ADJUTANT	PVC	POLYVINYL CHLORIDE		
		ADJT	ADJUTANT	PWL	SOUND POWER LEVEL		
		ADJT	ADJUTANT	TTD	TOILET TISSUE DISPENSER, SURFACE-MOUNTED		

GENERAL SYMBOLS

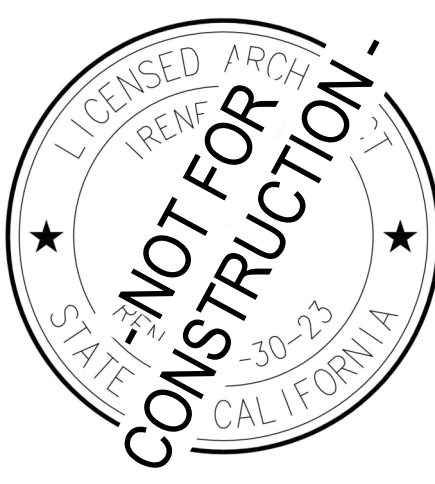
DETAIL NUMBER CROSS REFERENCE SHEET NUMBER	EARTH
BUILDING ELEVATION	GRAVEL
INTERIOR ELEVATION	SAND
SIMILAR OR TYPICAL REFERENCE	CONCRETE
DETAIL REFERENCE	PRECAST CONCRETE
BUILDING SECTION	STEEL
SHEET NOTE	STONE
REFERENCE KEYNOTE	CONCRETE MASONRY UNIT
ROOM NAME ROOM NUMBER/NAME	BRICK VENEER
REVISION NUMBER	STEEL (LARGE SCALE)
LEVEL ELEVATION	GYM FLOOR
FINISH FLOOR ELEVATION	WOOD (CONTINUOUS BLOCKING)
SPOT ELEVATION	WOOD (NON-CONTINUOUS BLOCKING)
DOOR NUMBER	WOOD (TRIM/FINISH)
WALL TYPE	GLASS
CEILING TYPE CEILING HEIGHT	SHINGLES
LETTER, WO NUMBER	PLYWOOD (LARGE SCALE)
	GYPSUM WALL BOARD
	BLANKET INSULATION
	RIGID INSULATION
	SPRAY FOAM INSULATION
	MINERAL WOOL INSULATION
	PROTECTION BOARD
	CARPET (LARGE SCALE)
	ACOUSTIC TILE (LARGE SCALE)
	TILE (LARGE SCALE)

LEGEND AND NOTES

GENERAL NOTES

- A. GENERAL NOTES APPLY TO ALL SHEETS.  
B. DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF CONCRETE WALLS, FACE OF CMU WALLS, FACE OF FRAMES, OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE. VERIFY EXISTING CONDITIONS IN FIELD TO CONFIRM LOCATION OF NEW CONSTRUCTION WORK. COORDINATE CONFLICTS WITH ARCHITECT PRIOR TO DEMOLITION AND CONSTRUCTION.  
C. THE OWNER SHALL FURNISH AND INSTALL THE FOLLOWING ITEMS: FURNITURE AND CUBICLES, PRINTERS AND ASSOCIATED EQUIPMENT, AND TELEVISION SCREENS.  
D. INCLUDE ALL OWNER-FURNISHED AND INSTALLED ITEMS AND OWNER-FURNISHED AND CONTRACTOR-INSTALLED ITEMS IN THE CONSTRUCTION SCHEDULE. AND CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS. EXISTING EQUIPMENT INCLUDING BUT NOT LIMITED TO STORAGE CABINETS AND SHELVES REQUIRING ATTACHMENT TO WALLS, FLOORS, OR CEILINGS SHALL BE INSTALLED ACCORDING TO THE DRAWINGS.  
E. COORDINATE ALL MECHANICAL CHASE SIZES WITH THE MECHANICAL CONTRACTOR.  
F. ARCHITECTURAL FLOOR ELEVATION 0'-0" IS ESTABLISHED BY THE EXISTING FLOOR STRUCTURE, EXCLUSIVE OF FINISHES.  
G. SEE PLANS FOR LOCATIONS AND SHEET A8.00 FOR TYPE OF WALLS OF FIRE-RESISTANCE-RATED CONSTRUCTION. ALL WALLS OF FIRE-RESISTANCE-RATED CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE.  
H. ALL PENETRATIONS THROUGH WALLS SHALL BE SEALED WITH PENETRATION FIRE STOPPING MATERIAL AS REQUIRED TO ACHIEVE THE RESPECTIVE FIRE-RESISTANCE RATINGS AND SMOKE STOPPAGE. SEE SPECIFICATION SECTION 078413.  
I. FIRE-RESISTANCE-RATED ENCLOSURES AROUND ALL STEEL COLUMNS SHALL BE CONTINUOUS FROM FLOOR TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE FOR EACH LEVEL.  
J. CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY. SEE DRAWING FOR QUANTITIES AND LOCATION OF WORK. SEE SPECIFICATIONS FOR QUALITIES AND CONDITIONS OF WORK.  
K. WORK: ALL ASPECTS OF THE WORK AND ITEMS NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED AND INDICATED IN THE CONTRACTORS BID.  
L. GENERAL SHEET NOTES ONLY APPLY TO PARTICULAR DRAWING OR SERIES OF DRAWINGS.  
M. NO ASBESTOS OR PCB CONTAINING MATERIALS SHALL BE USED ON THIS PROJECT.  
N. DO NOT SCALE DRAWINGS. DIMENSIONS NOTED PREVAIL. NOTIFY ARCHITECT IN CASE OF DISCREPANCY.  
O. HORIZONTAL AND VERTICAL CLEAR DIMENSIONS ARE MINIMUM DIMENSIONS. CLEARANCES ARE GIVEN TO FINISH SURFACES. GENERAL CONTRACTOR TO VERIFY ALL CLEARANCES. NOTIFY ARCHITECT IN CASE OF DISCREPANCY.  
P. AT RESTROOMS, WHEN MODIFICATION OR DEMOLITION OF WALL FRAMING AND FINISHES IS REQUIRED, THE PATCH AND REPAIR SHALL EXTEND TO THE NEAREST WALL OR DATUM POINT ESTABLISHED BY THE ARCHITECT TO TERMINATE FINISHES.

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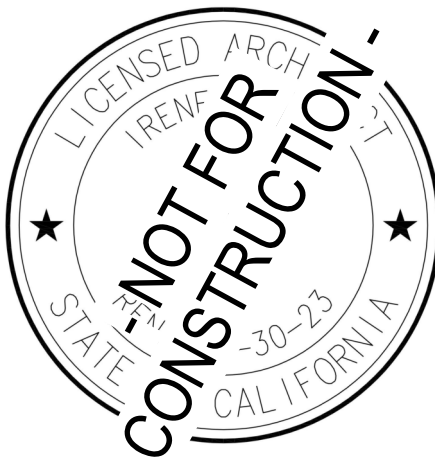
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05 - CODE	CP2.31	PRINT SHOP - BOOKSTORE - LEVEL 2 CODE PLAN
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05 - CODE	CP3.01	ACCESSIBILITY DETAILS - RESTROOMS
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08 - CIVIL	C4.0	GRADING AND UTILITY PLAN
08 - CIVIL	C5.0	DETAILS I
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BID SET

03/28/2022  
Revisions

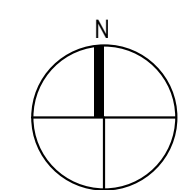
DLR GROUP PROJECT NUMBER:  
75-21809-00

SHEET INDEX

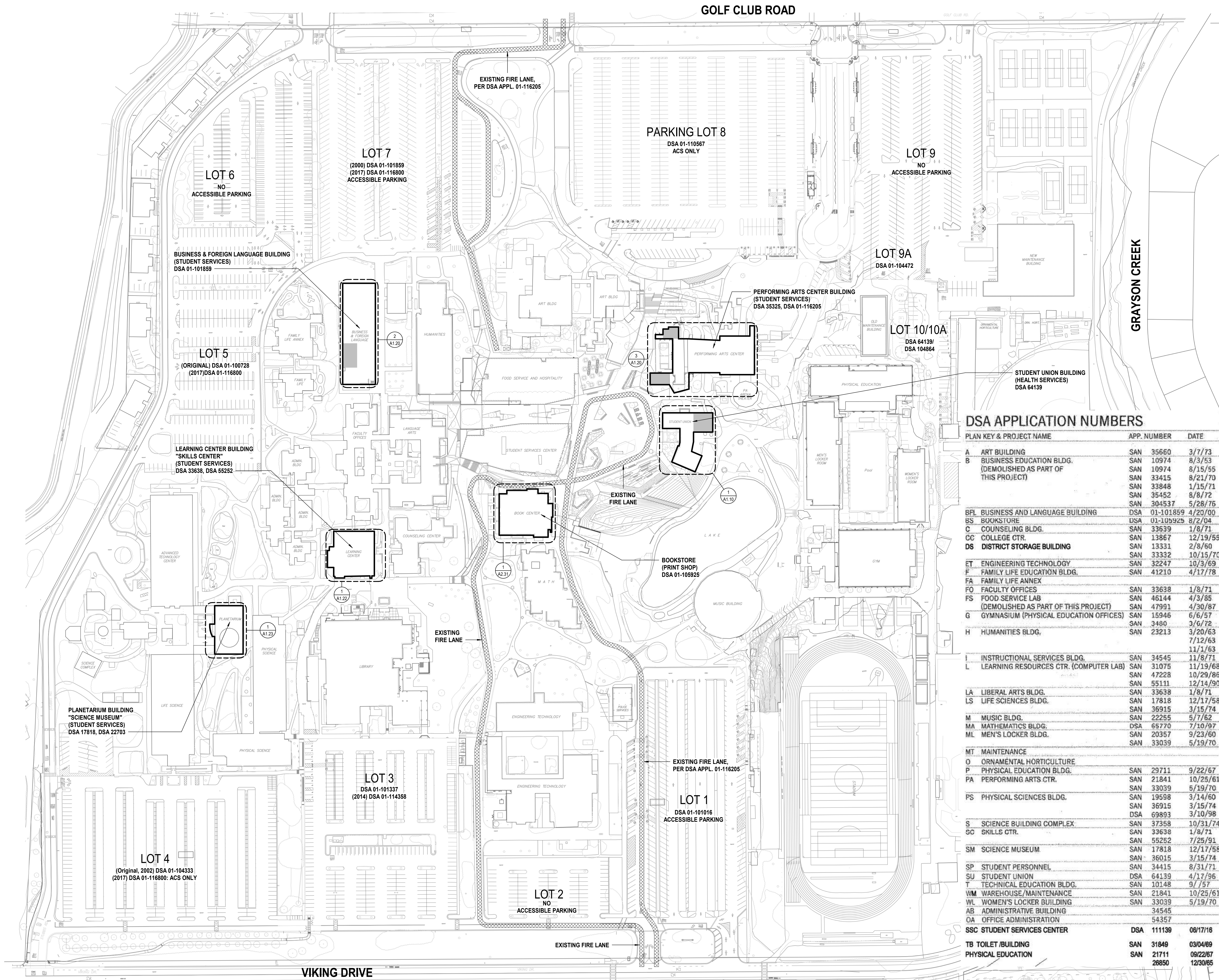
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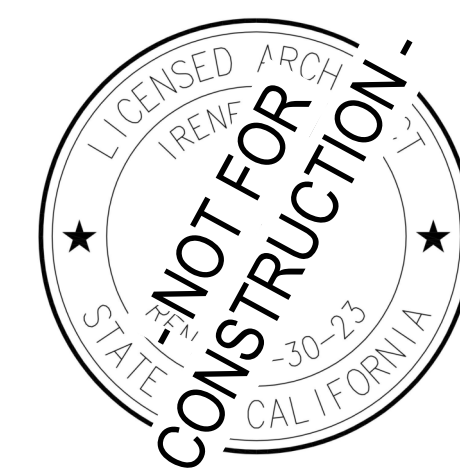
1 CODE PLAN - DSA NUMBERS  
CP0.00 SCALE: 1" = 1'-0"



### DSA APPLICATION NUMBERS

PLAN KEY & PROJECT NAME		APP. NUMBER	DATE
A	ART BUILDING	SAN 35660	3/7/73
B	BUSINESS EDUCATION BLDG. (DEMOLISHED AS PART OF THIS PROJECT)	SAN 10974	8/3/53
		SAN 10974	8/15/55
		SAN 33415	8/21/70
		SAN 33848	1/15/71
		SAN 35452	8/8/72
		SAN 304537	5/28/75
BFL	BUSINESS AND LANGUAGE BUILDING	DSA 01-101859	4/20/00
BS	BOOKSTORE	DSA 01-105925	8/2/04
C	COUNSELING BLDG.	SAN 33639	1/8/71
CC	COLLEGE CTR.	SAN 13867	12/19/55
DS	DISTRICT STORAGE BUILDING	SAN 13331	2/8/60
		SAN 33332	10/15/70
ET	ENGINEERING TECHNOLOGY	SAN 32247	10/3/69
F	FAMILY LIFE EDUCATION BLDG.	SAN 41210	4/17/78
FA	FAMILY LIFE ANNEX		
FO	FACULTY OFFICES	SAN 33638	1/8/71
FS	FOOD SERVICE LAB (DEMOLISHED AS PART OF THIS PROJECT)	SAN 46144	4/3/85
		SAN 47991	4/30/87
G	GYMNASIUM (PHYSICAL EDUCATION OFFICES)	SAN 15946	6/6/57
		SAN 3480	3/6/72
H	HUMANITIES BLDG.	SAN 23213	3/20/63
			7/12/63
			11/1/63
I	INSTRUCTIONAL SERVICES BLDG.	SAN 34545	11/8/71
L	LEARNING RESOURCES CTR. (COMPUTER LAB)	SAN 31075	11/19/68
		SAN 47228	10/29/86
		SAN 55111	12/14/90
LA	LIBERAL ARTS BLDG.	SAN 33638	1/8/71
LS	LIFE SCIENCES BLDG.	SAN 17818	12/17/58
		SAN 36915	3/15/74
M	MUSIC BLDG.	SAN 22255	5/7/62
MA	MATHEMATICS BLDG.	DSA 65770	7/10/97
ML	MEN'S LOCKER BLDG.	SAN 20357	9/23/60
		SAN 33039	5/19/70
MT	MAINTENANCE		
O	ORNAMENTAL HORTICULTURE		
P	PHYSICAL EDUCATION BLDG.	SAN 29711	9/22/67
PA	PERFORMING ARTS CTR.	SAN 21841	10/25/61
		SAN 33039	5/19/70
PS	PHYSICAL SCIENCES BLDG.	SAN 19598	3/14/60
		SAN 36915	3/15/74
		DSA 69893	3/10/98
S	SCIENCE BUILDING COMPLEX	SAN 37358	10/31/74
SC	SKILLS CTR.	SAN 33638	1/8/71
		SAN 55252	7/25/91
SM	SCIENCE MUSEUM	SAN 17818	12/17/58
		SAN 36015	3/15/74
SP	STUDENT PERSONNEL	SAN 34415	8/31/71
SU	STUDENT UNION	DSA 64139	4/17/96
T	TECHNICAL EDUCATION BLDG.	SAN 10148	9/1/57
WM	WAREHOUSE/MAINTENANCE	SAN 21841	10/25/61
WL	WOMEN'S LOCKER BUILDING	SAN 33039	5/19/70
AB	ADMINISTRATIVE BUILDING	34545	
OA	OFFICE ADMINISTRATION	54357	
SSC	STUDENT SERVICES CENTER	DSA 111139	06/17/16
TB	TOILET/BUILDING	SAN 31849	03/04/69
PE	PHYSICAL EDUCATION	SAN 21711	09/22/67
		26850	12/30/65

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BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

CODE PLAN - SUMMARY

CP0.00



CODE ANALYSIS

The following renovations will modify an existing food service area into a health and wellness center at the Student Union Building, replace light fixtures at the Business/Foreign Language, modify walls and add openings in existing classrooms and offices at the Performing Arts Center, Learning Center, and Planetarium Building, and modify an office area into a printing space at the Bookstore Building.

APPLICABLE CODES:

- California Building Code - 2019 edition
- California Electrical Code - 2019 edition
- California Mechanical Code - 2019 edition
- California Plumbing Code - 2019 edition
- California Fire Code - 2019 edition
- NFPA 13 - 2019 edition
- NFPA 24 - 2019 edition
- NFPA 72 - 2019 edition

Student Union Building - Existing Building DSA App #64139

**LIMIT OF WORK:**  
**Total Area:** 1,563 gsf (out of 12,744 gsf)  
**Number of Stories:** 1 story (out of 2 stories)  
**Construction Classification:** Type V Non-rated  
**Sprinklers:** Not Sprinklered  
**Mixed Occupancy:** Non-separated occupancies (per CBC Section 508.3)

Business/Foreign Language Building - Existing DSA App #101859

**LIMIT OF WORK:**  
**Total Area:** 1,720 gsf (out of 23,278 gsf)  
**Number of Stories:** 1 story (out of 2 stories)  
**Construction Classification:** Type II Non-rated  
**Sprinklers:** Not Sprinklered  
**Mixed Occupancy:** Not applicable

Performing Arts Center - Existing DSA App #35325, Alteration DSA App #116205

**LIMIT OF WORK:**  
**Total Area:** 1,762 gsf (out of 29,233 gsf)  
**Number of Stories:** 1 story (out of 3 stories)  
**Construction Classification:** Type V Non-rated and 1-Hour Rated  
**Sprinklers:** Fully Sprinklered  
**Mixed Occupancy:** Separated occupancies (per CBC Section 508.3)

Learning Center - Existing DSA App #33638, Addition DSA App #55252

**LIMIT OF WORK:**  
**Total Area:** 1,642 gsf (out of 16,753 gsf)  
**Number of Stories:** 1 story (out of 2 stories)  
**Construction Classification:** Type V Non-rated  
**Sprinklers:** Fully Sprinklered  
**Mixed Occupancy:** Non-separated occupancies (per CBC Section 508.3)

Planetarium - Existing Building DSA App #17818, Alteration DSA App #27703

**LIMIT OF WORK:**  
**Total Area:** 2,100 gsf (out of 6,553 gsf)  
**Number of Stories:** 1 story (out of 2 stories)  
**Construction Classification:** Type V Non-rated  
**Sprinklers:** Not Sprinklered  
**Mixed Occupancy:** Non-separated occupancies (per CBC Section 508.3)

Bookstore - Existing Building DSA App #105925

**LIMIT OF WORK:**  
**Total Area:** 1,900 gsf (out of 15,718 gsf)  
**Number of Stories:** 1 story (out of 3 stories)  
**Construction Classification:** Type II 1-Hour Rated  
**Sprinklers:** Fully Sprinklered (substitute for 1-Hour fire-resistive construction per CBC 508)  
**Mixed Occupancy:** Non-separated occupancies (per CBC Section 508.3)

CODE COMPLIANCE APPROACH

The Existing Student Union Building comprises the following occupancies:  
Groups A, B

The Existing Business/Foreign Language Building comprises the following occupancies:  
Group B

The Performing Arts Center Building comprises the following occupancies:  
Groups A-1, A-3, B

The Existing Learning Center Building comprises the following occupancies:  
Groups A-3, B

The Existing Planetarium Building comprises the following occupancies:  
Group B

The Existing Bookstore Building comprises the following occupancies:  
Groups B, M, S

The mixed occupancies were designed as non-separated occupancies complying with section 506.2.4, 508.1, and 508.3.

The exit access stairs that connect between first and second floor are open/unenclosed and comply with 2019 CBC 1019.3 exception 1. For the vertical opening, see CBC 712.1.9.

SECTION 303 ASSEMBLY GROUP A

\*A' areas include classrooms with >50 occupants and open study/work areas with loose furniture.

**303.1.1 Small buildings and tenant spaces.** A building or tenant space used for assembly purposes with an occupant load of less than 50 persons shall be classified as a Group B occupancy.

**303.1.2 Small assembly spaces.** The following rooms and spaces shall not be classified as Assembly occupancies:

- A room or space used for assembly purposes with an occupant load of less than 50 persons and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.
- A room or space used for assembly purposes that is less than 750 square feet (70 m<sup>2</sup>) in area and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.

**303.4 Assembly Group A-3.** Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to:  
\*Exhibition halls  
\*Lecture halls  
\*Places of religious worship

SECTION 304 BUSINESS GROUP B

\*B' areas include classrooms, labs, offices.

**304.1 Business Group B.** Business Group B occupancies includes, among others, the use of a building or structure, or a portion thereof, for office professional or service-type transactions, including storage of record and accounts. Business occupancies shall include, but be limited to, the following:  
\*Educational occupancies for students above the 12<sup>th</sup> grade

SECTION 309 BUSINESS GROUP M

**309.1 Business Group M.** Mercantile Group M occupancy includes, among others, the use of a building or structure or a portion thereof for the display and sale of merchandise, and involves stocks of goods, wares or merchandise incidental to such purposes and accessible to the public. Mercantile occupancies shall include, but not be limited to, the following:  
\*Markets  
\*Retail or wholesale stores

311.2 Moderate-Hazard Storage, Group S-1

Storage Group S-1 occupancies are buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:  
\*Bags, cloth, burlap and paper  
\*Books and paper in rolls or packs  
\*Cardboard and cardboard boxes  
\*Clothing, woolen wearing apparel

**311.3 Low-Hazard Storage, Group S-2** Storage Group S-2 occupancies include, among others, buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness dividers, or in paper wrappings. Such products are permitted to have a negligible amount of plastic trim, such as knobs, handles or film wrapping. Group S-2 storage uses shall include, but not be limited to, storage of the following:  
\*Beverages up to and including 16-percent alcohol in metal, glass or ceramic containers  
\*Dairy products in nonwaxed coated paper containers  
\*Food products  
\*Foods in noncombustible containers  
\*Glass bottles, empty or filled with noncombustible liquids

DSA IR A-26.CC

- General Education Classrooms shall be classified as B occupancy with occupant load factor of 20 net.
- Classrooms with 50 or more occupants shall be classified as A-3.
- Science Classrooms with exempt amount of hazardous materials are used/stored shall be classified as Group B occupancy with occupant load factor of 50 net.
- Lecture halls with an occupant load of 50 or more, shall be classified as Group "A-3" occupancy. Apply an occupant load factor of 20 (net) in areas without fixed seating.
- Vocational shops for woodworking, auto, metal, and welding shall be individually assessed based on the activities within the shops and the quantities of hazardous materials used and stored. The occupant load factor shall be 50 (net).
- Locker Rooms shall be classified as Group "B" occupancy with an occupant load factor of 50 (gross).
- Reading room areas (computer areas, chair and table areas) shall use an occupant load factor of 50 (net) per CBC Table 1004.1.1

SECTION 508 MIXED USE AND OCCUPANCY

**508.1 General.** Each portion of a building shall be individually classified in accordance with Section 302.1. Where a building contains more than one occupancy group, the building or portion thereof shall comply with the applicable provisions of Section 508.2, 508.3 or 508.4, or a combination of these sections.

**508.3 Nonseparated occupancies.** Buildings or portions of buildings that comply with the provisions of this section shall be considered as nonseparated occupancies.

**508.3.1 Occupancy Classification.** Each occupancies are individually classified in accordance with Section 302.1, refer to Section 303 and 304 of this report.

**508.3.2 Allowable building area, height and number of stories.** The allowable building area, height and number of stories of the building or portion thereof shall be based on the most restrictive allowances for the occupancy groups under consideration for the type of construction of the building in accordance with Section 503.1.

SECTION 11B-202 EXISTING BUILDINGS AND FACILITIES

**11B-202.1 General.** Additions and alterations to existing buildings or facilities shall comply with Section 11B-202.

**11B-202.2 Additions.** Each addition to an existing building or facility shall comply with the requirements for new construction and shall comply with Section 11B-202.4.

**11B-202.3 Alterations.** Where existing elements or spaces are altered, each altered element or space shall comply with the applicable requirements of Division 2, including Section 11B-202.4.

Exceptions:

2. Technically infeasible. In alterations, where the enforcing authority determines compliance with applicable requirements is technically infeasible, the alteration shall provide equivalent facilitation or comply with the requirements to the maximum extent feasible. The details of the finding that full compliance with the requirements is technically infeasible shall be recorded and entered into the files of the enforcing agency.

**11B-202.4 Path of travel requirements in alterations, additions and structural repairs.** When alterations or additions are made to existing buildings or facilities, an accessible path of travel to the specific area of alteration or addition shall be provided. The primary accessible path of travel shall include:

- A primary entrance to the building or facility.
  - Toilet and bathing facilities serving the area.
  - Drinking fountains serving the area.
  - Public telephones serving the area, and
  - Signs.
- Exceptions:
- If the following elements of a path of travel have been constructed or altered in compliance with the accessibility requirements of the immediately preceding edition of the California Building Code, it shall not be required to retrofit such elements to reflect the incremental changes in this code solely because of an alteration to an area served by those elements of the path of travel:
    - A primary entrance to the building or facility.
    - Toilet and bathing facilities serving the area.
    - Drinking fountains serving the area.
    - Public telephones serving the area, and
    - Signs.
- Note: The language in this exception, which refers to the "immediately preceding edition of the California Building Code," shall permit a reference back to one CBC edition only and is not accumulative to prior editions.

SECTION 1005 MEANS OF EGRESS SIZING

**1005.3.1 Stairways.** The capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.3 inch (7.6 mm) per occupant. Where stairways serve more than one story, only the occupant load of each story considered individually shall be used in calculating the required capacity of the stairways serving that story.

Exceptions:

- For other than Group H and 1-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

**1005.3.2 Other egress components.** The capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.2 inch per occupant.

- For other than Group H and 1-2 occupancies, the capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

**1005.7 Encroachment.** Encroachments into the required means of egress width shall be in accordance with the provisions of this section.

**1005.1.1 Doors.** Doors, when fully opened, shall not reduce the required width by more than 7 inches (178 mm). Doors in any position shall not reduce the required width by more than one-half.

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

**1006.2.1 Egress based on occupant load and common path of egress travel distance.** Two exits or exit access doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the value listed in Table 1006.2.1.

Exceptions:

- The number of exits from foyers, lobbies, vestibules or similar spaces need not be based on cumulative occupant loads for areas discharging through such spaces, but the capacity of the exits from such spaces shall be based on applicable cumulative occupant loads.

TABLE 1006.2.1: SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

Occupancy	Maximum occupant load of space	Maximum Common Path of Egress Travel Distance (feet) with sprinkler
A	49	75'
B	49	100'
F	49	100'
S	29	100'

**1006.3 Egress from stories or occupied roofs.** The means of egress system serving any story or occupied roof shall be provided with the number of separate and distinct exits or access to exits based on the aggregate occupant load served in accordance with this section. Where stairways serve more than one story, only the occupant load of each story considered individually shall be used in calculating the required number of exits or access to exits serving that story.

**1007.1.1 Two exits or exit access doorways:** Per 1007.1.1 Exception 2, for a sprinklered building, the separation of the exit doors or exit access doorways shall not be less than one-third of the length of the maximum overall diagonal dimension of the space being served.

**1007.1.1.3 Measurement point.** The separation distance required in Section 1007.1.1 shall be measured in accordance with the following:

- The separation distance to exit or exit access doorways shall be measured to any point along the width of the doorway.
- The separation distance to exit access stairways shall be measured to the closest riser.
- The separation distance to exit access ramps shall be measured to the start of the ramp run.

SECTION 1009 ACCESSIBLE MEANS OF EGRESS

**1009.1 Accessible means of egress:** Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress are required ... each accessible portion of the space shall be served by accessible means of egress in at least the same number as required.

SECTION 1010 DOORS, GATES AND TURNSTILES

**1010.1.2.1 Direction of swing.** Pivot or side-hinged swinging doors shall swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons. ...

**1010.1.10 Panic and fire exit hardware.** Swinging doors serving a Group H occupancy and swinging doors serving rooms or spaces with an occupant load of 50 or more in a Group A or E occupancy assembly area not classified as an assembly occupancy E, 1-2 or 1-2.1 occupancies shall not be provided with a latch or lock other than panic hardware or fire exit hardware. For Group L occupancies see Section 453.6.3.

Exceptions:

- A main exit of a Group A occupancy shall be permitted to have locking devices in accordance with Section 1010.1.9.4, Item 2.
  - Doors provided with panic hardware or fire exit hardware and serving a Group A or E occupancy shall be permitted to be electrically locked in accordance with Section 1010.1.9.9 or 1010.1.9.10.
- Electrical rooms with equipment rated 800-amperes or more and over 6 feet (1829 mm) wide, and that contain overcurrent devices, switching devices or control devices with exit or exit access doors, shall be equipped with panic hardware or fire exit hardware. The doors shall swing in the direction of egress travel.

SECTION 1016 EXIT ACCESS

**1016.1 General.** The exit access shall comply with the applicable provisions of Sections 1003 through 1015. Exit access arrangement shall comply with Sections 1016 through 1021.

**1016.2 Egress through intervening spaces.** Egress through intervening spaces shall comply with this section.

2. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.

Exception: Means of egress are not prohibited through adjoining or intervening rooms or spaces in a Group H, S or F occupancy where the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group.

... 5. Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE

**1017.2 Limitations.** Exit access travel distance shall not exceed the values given in Table 1017.2

A Occupancy, Sprinklered: 250'  
B Occupancy, Sprinklered: 300'  
F-1 Occupancy, Sprinklered: 250'  
S-1 Occupancy, Sprinklered: 250'

**1017.3 Measurement.** Exit access travel distance shall be measured from the most remote point of each room, area or space along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an exit.

**1017.3.1 Exit access stairways and ramps.** Travel distance on exit access stairways or ramps shall be included in the exit access travel distance measurement. The measurement along stairways shall be made on a plane parallel and tangent to the stair tread nosings in the center of the stair and landings. The measurement along ramps shall be made on the walking surface in the center of the ramp and landings.

SECTION 1019 EXIT ACCESS STAIRWAYS AND RAMPS

**1019.3 All occupancies.** Exit access stairways and ramps that serve floor levels within a single story are not required to be enclosed.

**1019.3 Occupancies other than Groups I-2, R-2.J, 1-3, and R-2.J.** Floor openings containing exit access stairways or ramps that do not comply with one of conditions listed in this section shall be enclosed with a shaft enclosure constructed per Section 713.

1. Exit access stairways and ramps that serve or atmospherically communicate between only two stories. Such interconnected stories shall not be open to other stories.

SECTION 1020 CORRIDORS

**1020.1 Construction.** Corridors shall be fire-resistance rated in accordance with Table 1020.1. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions.

Occupancy - A, B, F-1, S: Required Fire-resistance rating (hours) with sprinkler system: 0

TABLE 1020.2 MINIMUM CORRIDOR WIDTH

**1020.4 Dead ends.** Where more than one exit or exit access doorway is required, the exit access shall be arranged such that dead-end corridors do not exceed 20 feet in length.

Exception:

- ... [in Group B] where the building is equipped throughout with an automatic sprinkler system... the length of the dead-end corridors shall not exceed 50 feet.

SECTION 11B-404 KITCHENS, KITCHENETTES, AND WET BARS

11B-404.5 STORAGE

At least 50 percent of shelf space in storage facilities shall comply with Section 11B-811.

11B-811 STORAGE

**11B-811.2 Clear Floor or Ground Space.** A clear floor or ground space complying with 11B-305 shall be provided.

**11B-811.3 Height.** Storage elements shall comply with at least one of the reach ranges specified in Section 11B-306.

11B-802.1 GENERAL

Dining surface and work surface shall comply with sections 11B-902.2 and 11B902.3.

**11B-902.2 Clear Floor or Ground Space.** A clear or ground space complying with 11B-305 positioned for a forward approach shall be provided. Knee and toe clearance complying with Section 11B-306 shall be provided.

**11B-902.3 Height.** The tops of dining surfaces and work surfaces shall be 28" min and 34" max above the finish floor or ground.

SECTION 3002 HOISTWAY ENCLOSURES

**3002.4a General stretcher requirements.** All buildings and structures with one or more passenger service elevators shall be provided with not less than one medical emergency service elevator in all landings. ... Exception: Elevator in two-story buildings or structures equipped with stairs of a configuration that will accommodate the carrying of the gurney or stretcher as permitted by the local jurisdictional authority.

ACCESSIBLE PATH OF TRAVEL UPGRADES  
REQUEST FOR UNREASONABLE HARDSHIP

SEE DSA RUH 1\_V2

ACCESSIBLE PATH OF TRAVEL IS PROVIDED FOR USERS FROM THE EXISTING BUS STOP AND DROP OFF VIA ALTERNATE METHOD OF COMPLIANCE. THE COLLEGE PROVIDES ON-DEMAND TRANSPORT, PER THE DIABLO VALLEY COLLEGE DISABILITY SUPPORT SERVICES. ACCESS FROM PARKING LOT #3 AND THE ACCESSIBLE PARKING STALLS CONNECTS TO THE EXISTING PATH OF TRAVEL THROUGHOUT THE COLLEGE CAMPUS.

AREAS THAT HAVE BEEN FOUND TO BE NONCOMPLIANT ARE LISTED IN THE DSA RUH 1 FORM, AND THE COSTS ARE PROVIDED FOR THE ESTIMATED UPGRADES THAT WOULD BE REQUIRED TO BRING THESE AREAS TO FULL CODE COMPLIANCE.

DSA APPROVAL STAMP



**DLR Group**  
225 Montgomery Street, Suite 350, San Francisco, CA 94104  
© DLR Group

**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student Success, & Health Services Renovation**

CCCCD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

CODE ANALYSIS

CP0.10



DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:  
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NOTE:

GENERAL PARKING INCLUDES STUDENTS AND GUESTS.

NO CHANGE TO PARKING FUTURE COUNTS.

UPGRADES TO PARKING LOT #3 WILL BE PROVIDED TO GIVE ACCESS FOR USERS THAT ARE DRIVING TO CAMPUS AND PARKING IN A PARKING LOT WITH ACCESSIBLE STALLS.

USERS THAT ARRIVE BY BUS OR GET DROPPED OFF AT THE DROP OFF CAN REQUEST A RIDE TO THEIR DESTINATION ON CAMPUS VIA THE DISABILITY SUPPORT SERVICE SHUTTLE. THIS PROVIDES AN ALTERNATE MEANS OF COMPLIANCE FOR ACCESS FOR THESE USER GROUPS.

AREAS THAT HAVE ACCESSIBILITY CODE DEFICIENCIES ARE IDENTIFIED IN RED AND ELABORATED ON IN THE FORM DSA 1-RUH.

1 ACCESSIBLE PATH OF TRAVEL SITE PLAN  
CP1.00 SCALE: 12" = 1'-0"

PARKING LOT 8

STAFF: 59 STALLS (3 ACC., 1 VAN)  
REQ: (3 ACC., 1 VAN)  
GENERAL: 583 STALLS (17 ACC., 3 VAN)  
REQ: (12 ACC., 3 VAN)

LOT #8  
DSA APPL. 01-110567  
11/03/2009

DSA APPL. 01-110567  
11/03/2009

3 CAR + 1 VAN EXISTING  
ACCESSIBLE PARKING  
STALLS (SEE 6/3.03)

9 CAR + 2 VAN EXISTING  
ACCESSIBLE PARKING  
STALLS (SEE 5/CP3.03)

FOR DEFICIENCIES AT THIS LOT, SEE DSA 1-RUH

EXISTING BUS STOP  
AND TRANSIT AREA

LOT 9

MINOR PATH OF TRAVEL  
UPGRADES ALONG PATH  
USED BY USER GROUPS  
ARRIVING BY BUS AND  
GETTING DROPPED OFF,  
SEE CIVIL DRAWINGS

LOT 9A

LOT 10/10A

DSA APPL. 01-111139  
11/02/2010

PERFORMING ARTS CENTER BUILDING  
(STUDENT SERVICES)

CP1.20

DSA APPL. 01-116205  
04/05/2017

STUDENT UNION

CP1.10

DSA APPL. 01-111139  
11/02/2010

STUDENT SERVICES CENTER

DSA APPL. 01-116800  
08/2017

LEARNING CENTER

CP1.22

UPGRADED RAMP,  
SEE CIVIL DRAWINGS

CP1.31

DSA APPL. 01-114358  
11/05/2014

LIBRARY

EXTERIOR  
ELEVATOR

LEVEL 1

LEVEL 2

PHYSICAL SCIENCE

COVERED WALKWAY

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
2 STALLS, 1 VAN

STAFF PARKING  
4 EV

STAFF PARKING  
33 STALLS, 4 EV

PLANETARIUM BUILDING  
(STUDENT SERVICES)

DSA APPL. 01-104333  
12/02/2002

UPGRADED WALKWAY,  
SEE CIVIL DRAWINGS

CP1.22

PHYSICAL SCIENCE

LEVEL 2

LOT 7

STAFF: 64 STALLS (3 ACC., 1 VAN)  
REQ: (3 ACC., 1 VAN)  
STUDENT: 308 STALLS (17 ACC., 3 VAN)  
REQ: (8 ACC., 2 VAN)

(E) ACCESSIBLE PARKING STALLS

STAFF PARKING  
12 STALLS

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
2 STALLS

EXISTING ACCESSIBLE DROP-  
OFF AREA (SEE 4/CP3.03).  
FOR UPGRADES, SEE CIVIL  
DRAWINGS

NON-COMPLIANT RAMP,  
SEE DSA 1-RUH

STAFF PARKING  
17 & 9 STALLS

DSA APPL. 01-111139  
11/02/2010

PERFORMING ARTS CENTER BUILDING  
(STUDENT SERVICES)

CP1.20

STUDENT UNION

CP1.10

DSA APPL. 01-111139  
11/02/2010

STUDENT SERVICES CENTER

DSA APPL. 01-116800  
08/2017

LEARNING CENTER

CP1.22

UPGRADED RAMP,  
SEE CIVIL DRAWINGS

CP1.31

DSA APPL. 01-114358  
11/05/2014

LIBRARY

EXTERIOR ELEVATOR

LEVEL 1

LEVEL 2

PHYSICAL SCIENCE

COVERED WALKWAY

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
2 STALLS, 1 VAN

STAFF PARKING  
4 EV

STAFF PARKING  
33 STALLS, 4 EV

PLANETARIUM BUILDING  
(STUDENT SERVICES)

DSA APPL. 01-104333  
12/02/2002

UPGRADED WALKWAY,  
SEE CIVIL DRAWINGS

CP1.22

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
2 STALLS

EXISTING ACCESSIBLE DROP-  
OFF AREA (SEE 4/CP3.03).  
FOR UPGRADES, SEE CIVIL  
DRAWINGS

NON-COMPLIANT RAMP,  
SEE DSA 1-RUH

STAFF PARKING  
17 & 9 STALLS

DSA APPL. 01-111139  
11/02/2010

PERFORMING ARTS CENTER BUILDING  
(STUDENT SERVICES)

CP1.20

STUDENT UNION

CP1.10

DSA APPL. 01-116205  
04/05/2017

STUDENT UNION BUILDING  
(HEALTH SERVICES)

CP1.10

BOOKSTORE (PRINT SHOP)

CP1.10

BOOK CENTER

CP1.10

DSA APPL. 01-111139  
11/02/2010

STUDENT SERVICES CENTER

CP1.10

DSA APPL. 01-116800  
08/2017

LEARNING CENTER

CP1.22

UPGRADED RAMP,  
SEE CIVIL DRAWINGS

CP1.31

DSA APPL. 01-114358  
11/05/2014

LIBRARY

EXTERIOR ELEVATOR

LEVEL 1

LEVEL 2

PHYSICAL SCIENCE

COVERED WALKWAY

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
2 STALLS, 1 VAN

STAFF PARKING  
4 EV

STAFF PARKING  
33 STALLS, 4 EV

PLANETARIUM BUILDING  
(STUDENT SERVICES)

DSA APPL. 01-104333  
12/02/2002

UPGRADED WALKWAY,  
SEE CIVIL DRAWINGS

CP1.22

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
2 STALLS

EXISTING ACCESSIBLE DROP-  
OFF AREA (SEE 4/CP3.03).  
FOR UPGRADES, SEE CIVIL  
DRAWINGS

NON-COMPLIANT RAMP,  
SEE DSA 1-RUH

STAFF PARKING  
17 & 9 STALLS

DSA APPL. 01-111139  
11/02/2010

PERFORMING ARTS CENTER BUILDING  
(STUDENT SERVICES)

CP1.20

STUDENT UNION

CP1.10

DSA APPL. 01-116205  
04/05/2017

STUDENT UNION BUILDING  
(HEALTH SERVICES)

CP1.10

BOOKSTORE (PRINT SHOP)

CP1.10

BOOK CENTER

CP1.10

DSA APPL. 01-111139  
11/02/2010

STUDENT SERVICES CENTER

CP1.10

DSA APPL. 01-116800  
08/2017

LEARNING CENTER

CP1.22

UPGRADED RAMP,  
SEE CIVIL DRAWINGS

CP1.31

DSA APPL. 01-114358  
11/05/2014

LIBRARY

EXTERIOR ELEVATOR

LEVEL 1

LEVEL 2

PHYSICAL SCIENCE

COVERED WALKWAY

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
2 STALLS, 1 VAN

STAFF PARKING  
4 EV

STAFF PARKING  
33 STALLS, 4 EV

PLANETARIUM BUILDING  
(STUDENT SERVICES)

DSA APPL. 01-104333  
12/02/2002

UPGRADED WALKWAY,  
SEE CIVIL DRAWINGS

CP1.22

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
2 STALLS

EXISTING ACCESSIBLE DROP-  
OFF AREA (SEE 4/CP3.03).  
FOR UPGRADES, SEE CIVIL  
DRAWINGS

NON-COMPLIANT RAMP,  
SEE DSA 1-RUH

STAFF PARKING  
17 & 9 STALLS

DSA APPL. 01-111139  
11/02/2010

PERFORMING ARTS CENTER BUILDING  
(STUDENT SERVICES)

CP1.20

STUDENT UNION

CP1.10

DSA APPL. 01-116205  
04/05/2017

STUDENT UNION BUILDING  
(HEALTH SERVICES)

CP1.10

BOOKSTORE (PRINT SHOP)

CP1.10

BOOK CENTER

CP1.10

DSA APPL. 01-111139  
11/02/2010

STUDENT SERVICES CENTER

CP1.10

DSA APPL. 01-116800  
08/2017

LEARNING CENTER

CP1.22

UPGRADED RAMP,  
SEE CIVIL DRAWINGS

CP1.31

DSA APPL. 01-114358  
11/05/2014

LIBRARY

EXTERIOR ELEVATOR

LEVEL 1

LEVEL 2

PHYSICAL SCIENCE

COVERED WALKWAY

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

DSA APPL. 01-116800  
08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

STAFF ACC. PARKING  
2 STALLS, 1 VAN

STAFF PARKING  
4 EV

STAFF PARKING  
33 STALLS, 4 EV

PLANETARIUM BUILDING  
(STUDENT SERVICES)

DSA APPL. 01-104333  
12/02/2002

UPGRADED WALKWAY,  
SEE CIVIL DRAWINGS

CP1.22

PHYSICAL SCIENCE

LEVEL 2

STAFF ACC. PARKING  
3 STALLS, 1 VAN

STAFF PARKING  
16 STALLS

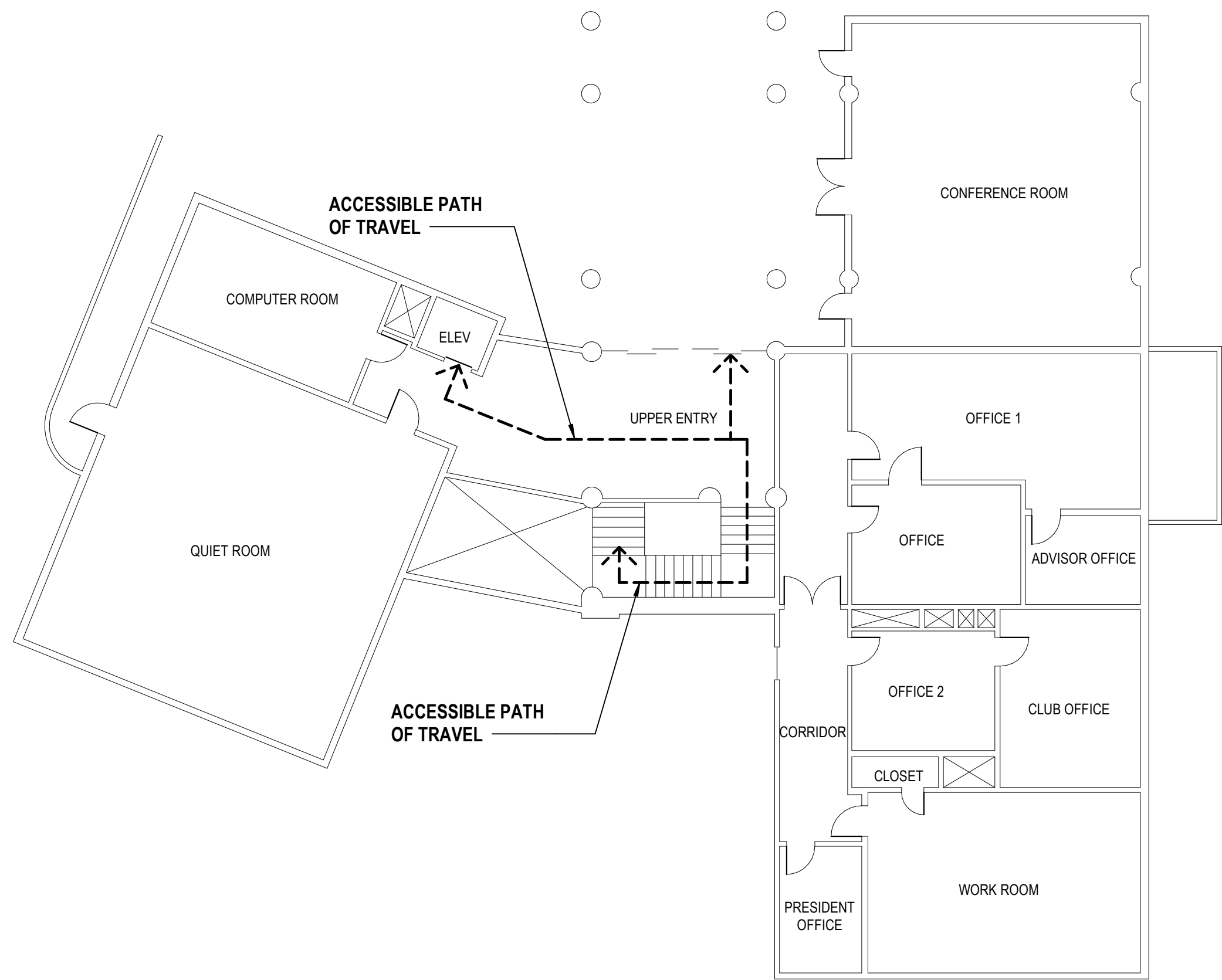
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08/2017

NON-COMPLIANT SLOPES,  
SEE DSA 1-RUH

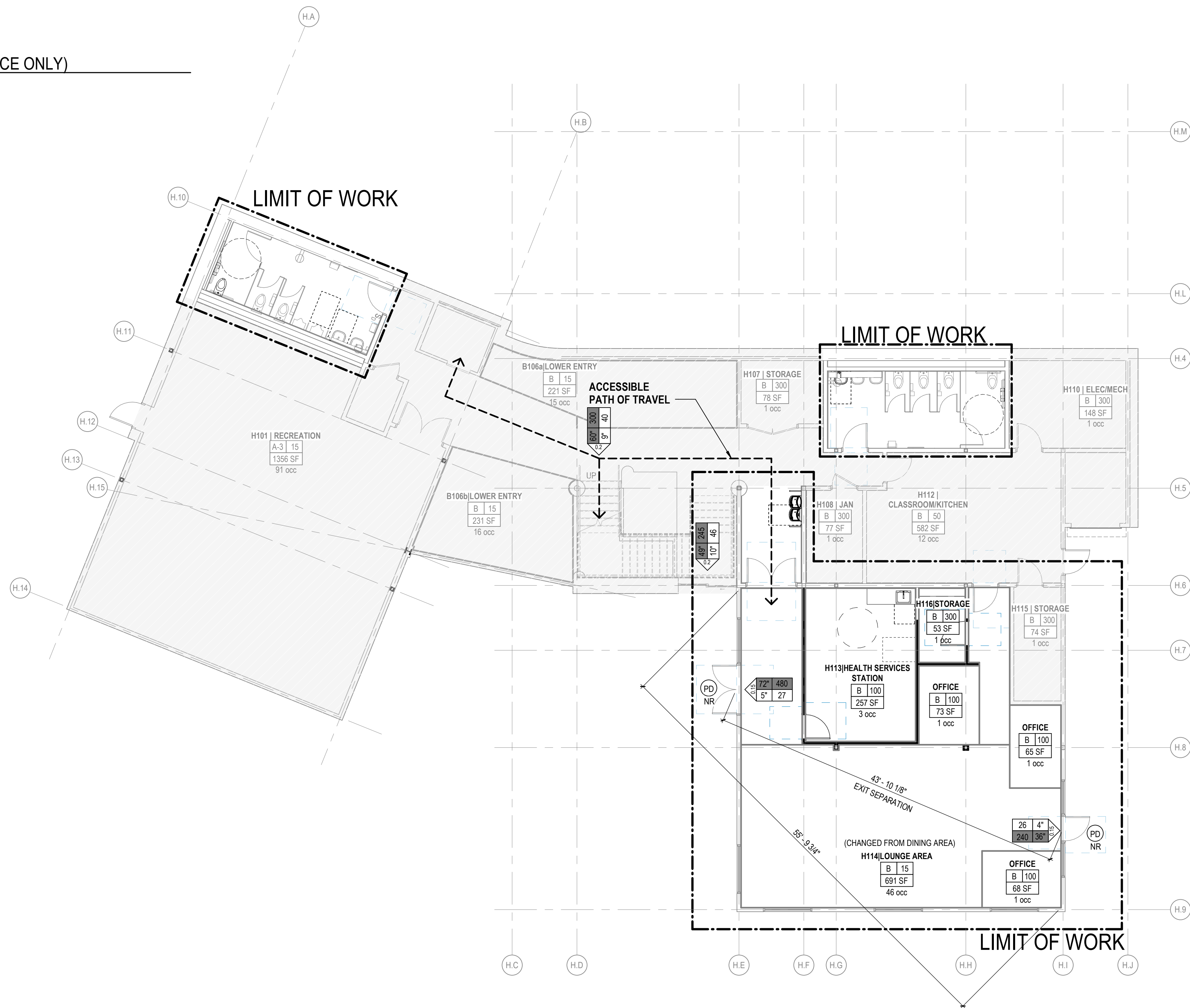
STAFF ACC. PARKING  
3 STALLS, 1 VAN



BM 360/75-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Print Shop\_AR\_2020.rvt  
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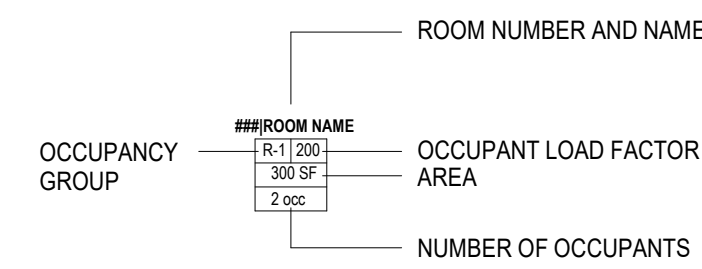
2 STUDENT UNION BLDG - EXISTING FLOOR PLAN - LEVEL 2 (FOR REFERENCE ONLY)  
CP1.10/ NO SCALE



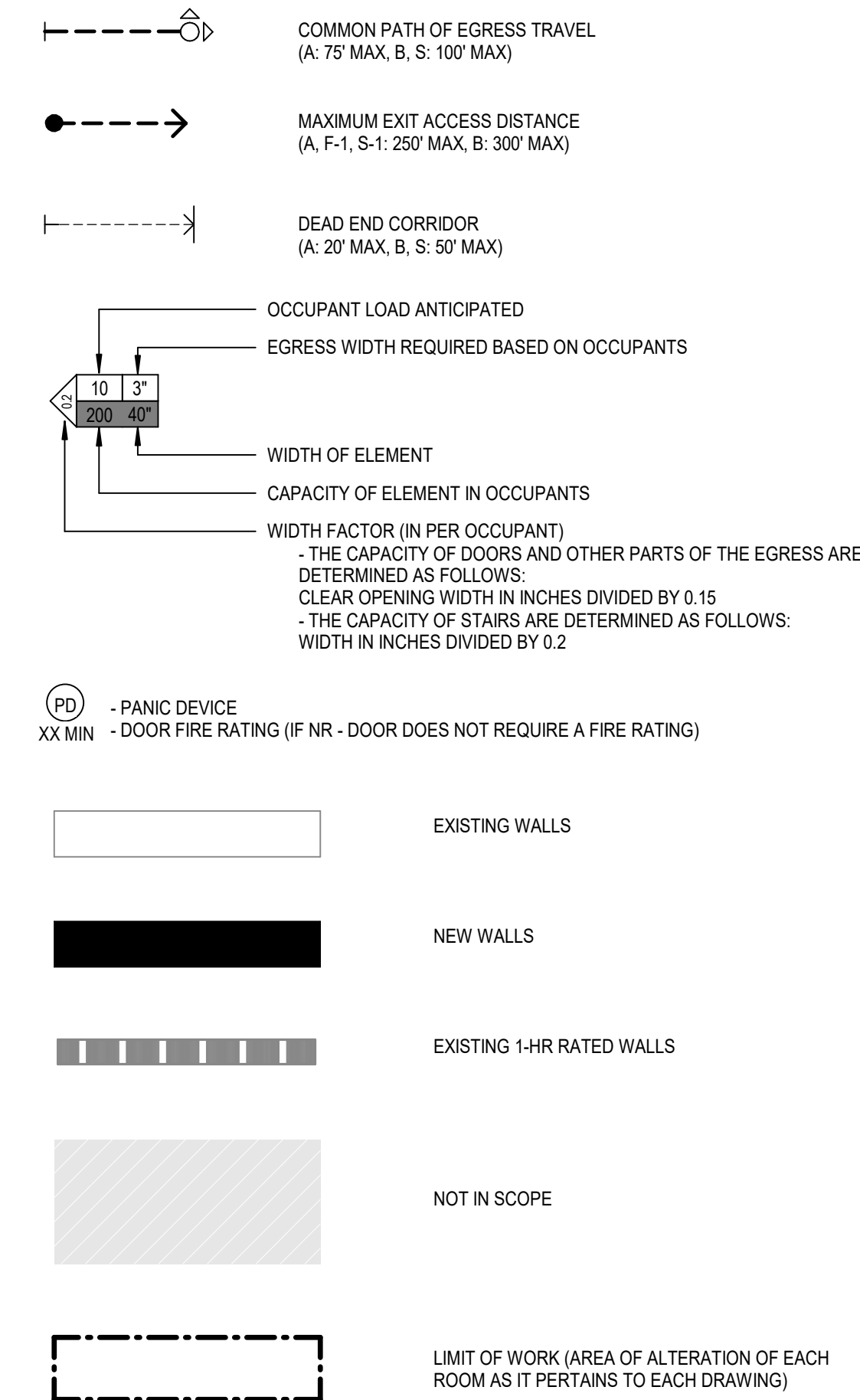
1 STUDENT UNION BLDG - OCCUPANCY AND EGRESS PLAN - LEVEL 1  
CP1.10/ SCALE: 1/8\"/>

## LEGEND

### TYPICAL ROOM TAG



### ANNOTATION SYMBOLS



DSA APPROVAL STAMP



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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student Success, & Health Services Renovation**  
CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

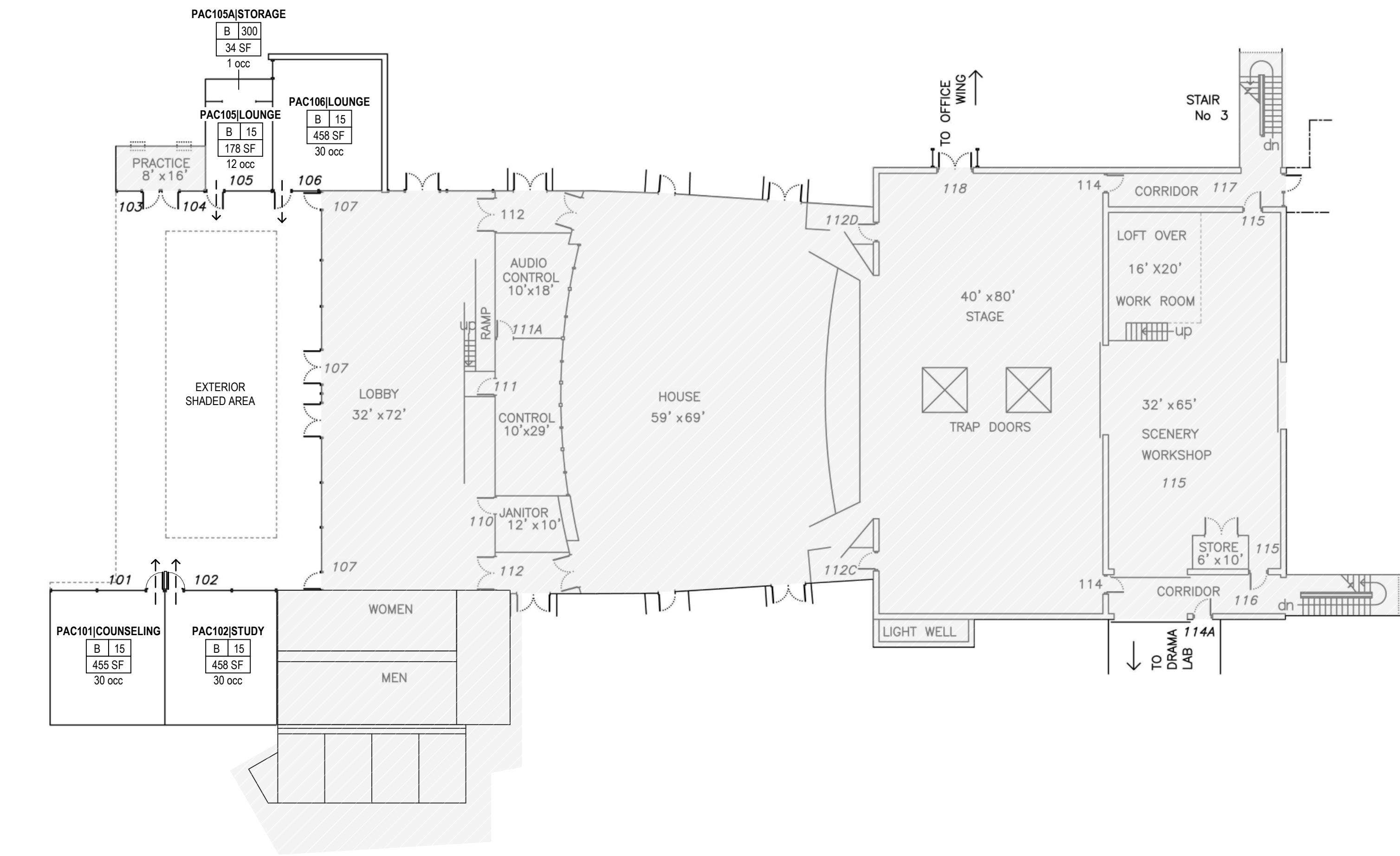
DLR GROUP PROJECT NUMBER:  
75-21809-00

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 CODE PLAN

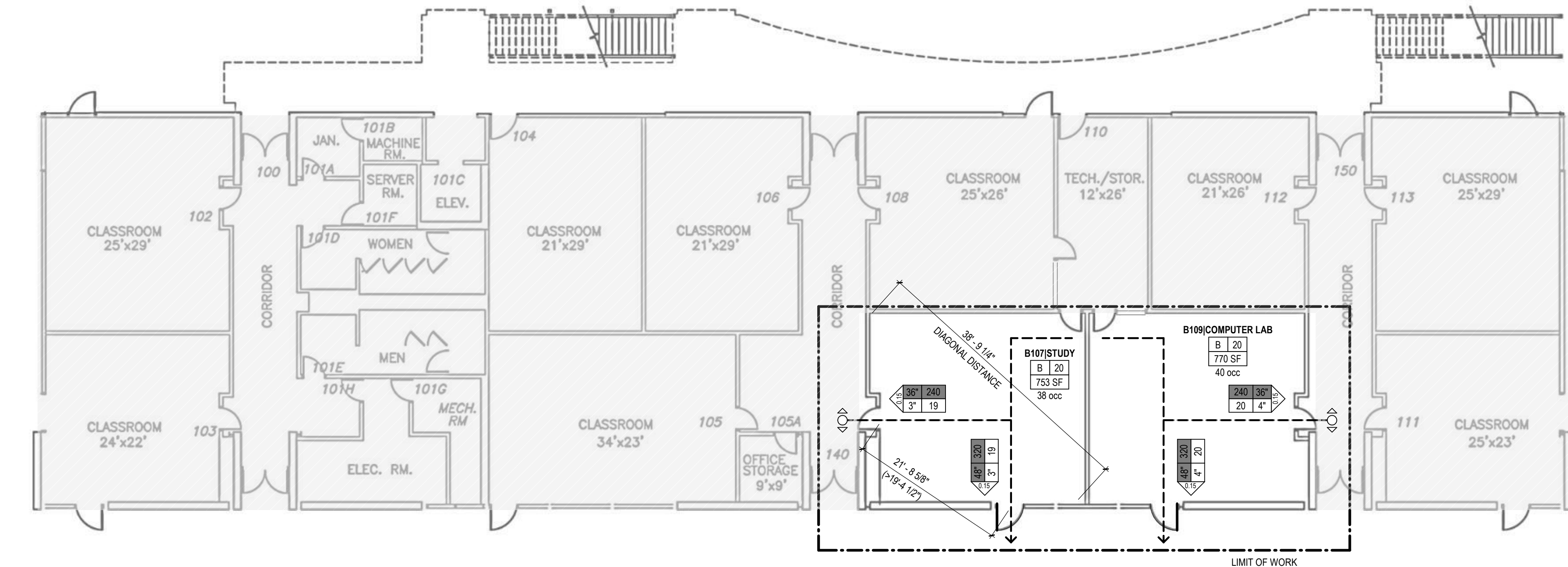
CP1.10



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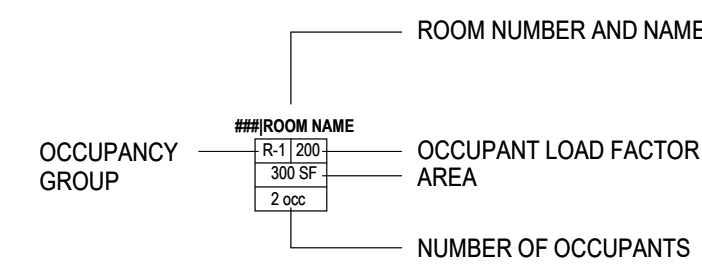
2 PERFORMING ARTS CENTER - LEVEL 1 CODE PLAN - STUDENT SERVICES  
CP1.20 SCALE: 1/16" = 1'-0"



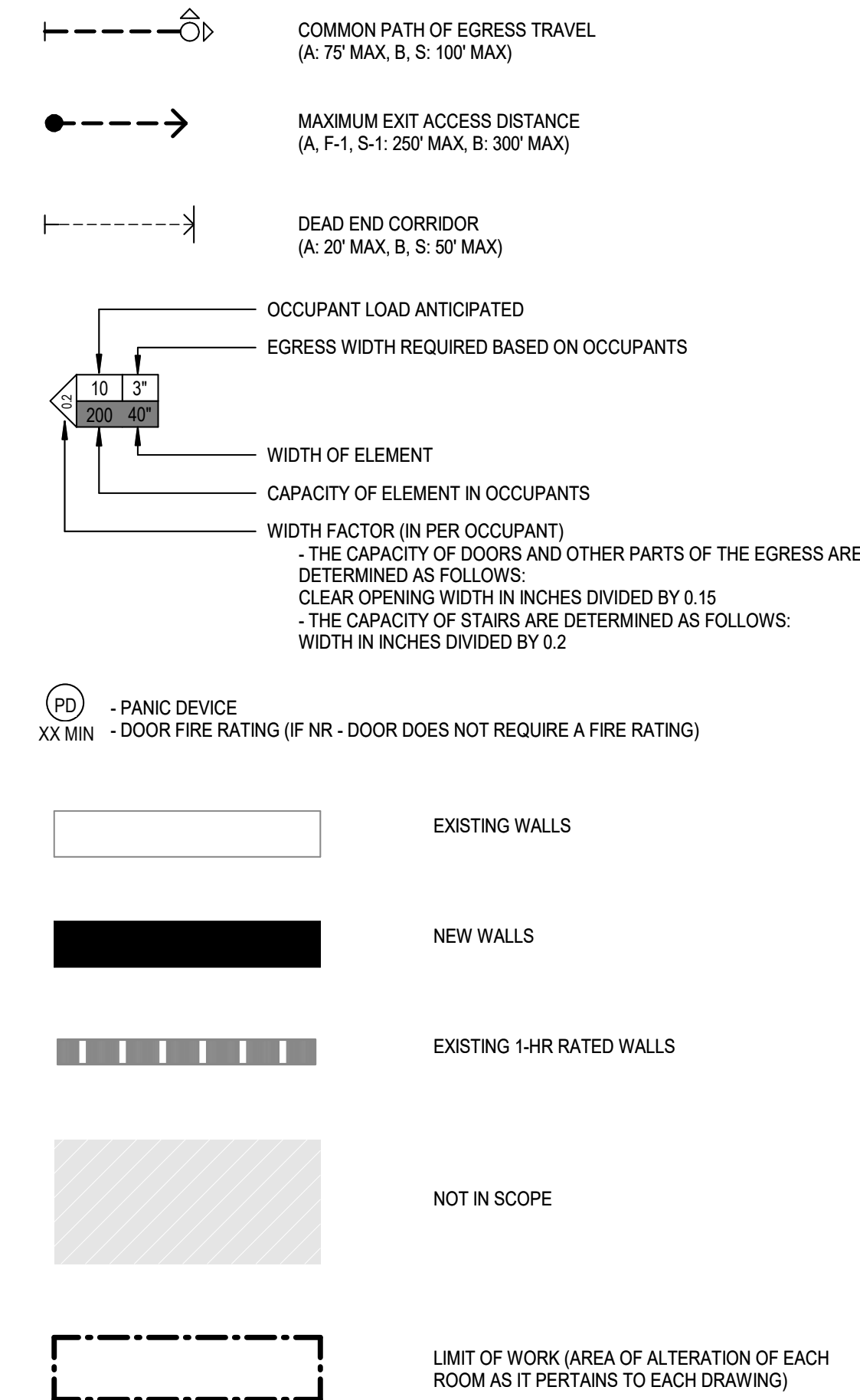
1 BUSINESS/FOREIGN LANGUAGE BLDG - LEVEL 1 CODE PLAN - STUDENT SERVICES  
CP1.20 SCALE: 3/32" = 1'-0"

## LEGEND

### TYPICAL ROOM TAG



### ANNOTATION SYMBOLS



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03/28/2022  
Revisions

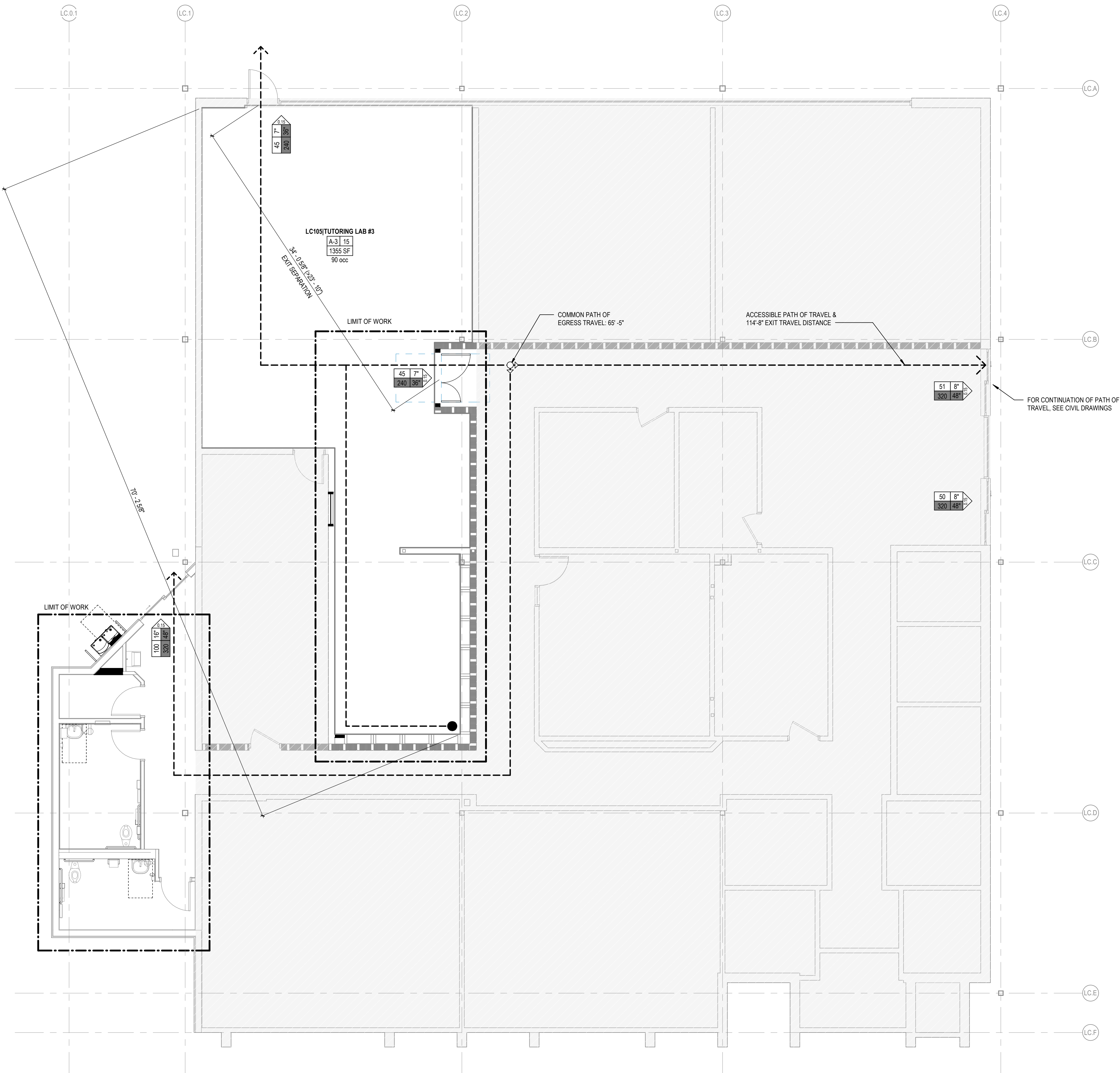
DLR GROUP PROJECT NUMBER:  
75-21809-00

STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG AND  
PERFORMING ARTS CENTER -  
LEVEL 1 CODE PLAN

CP1.20



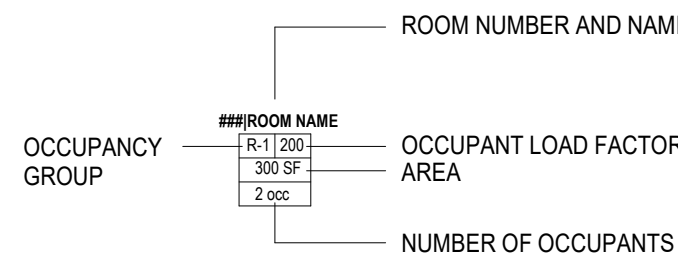
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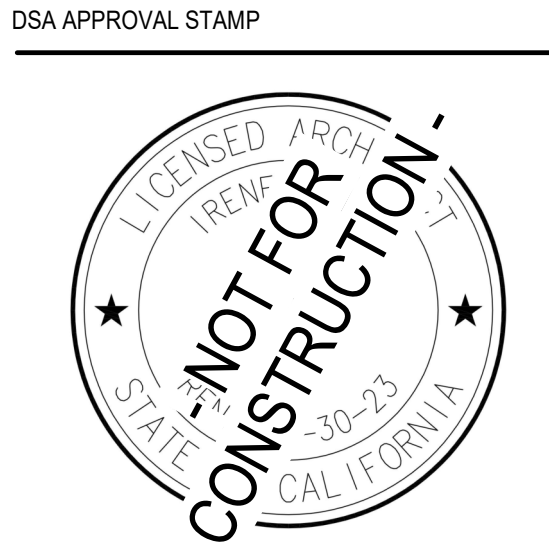
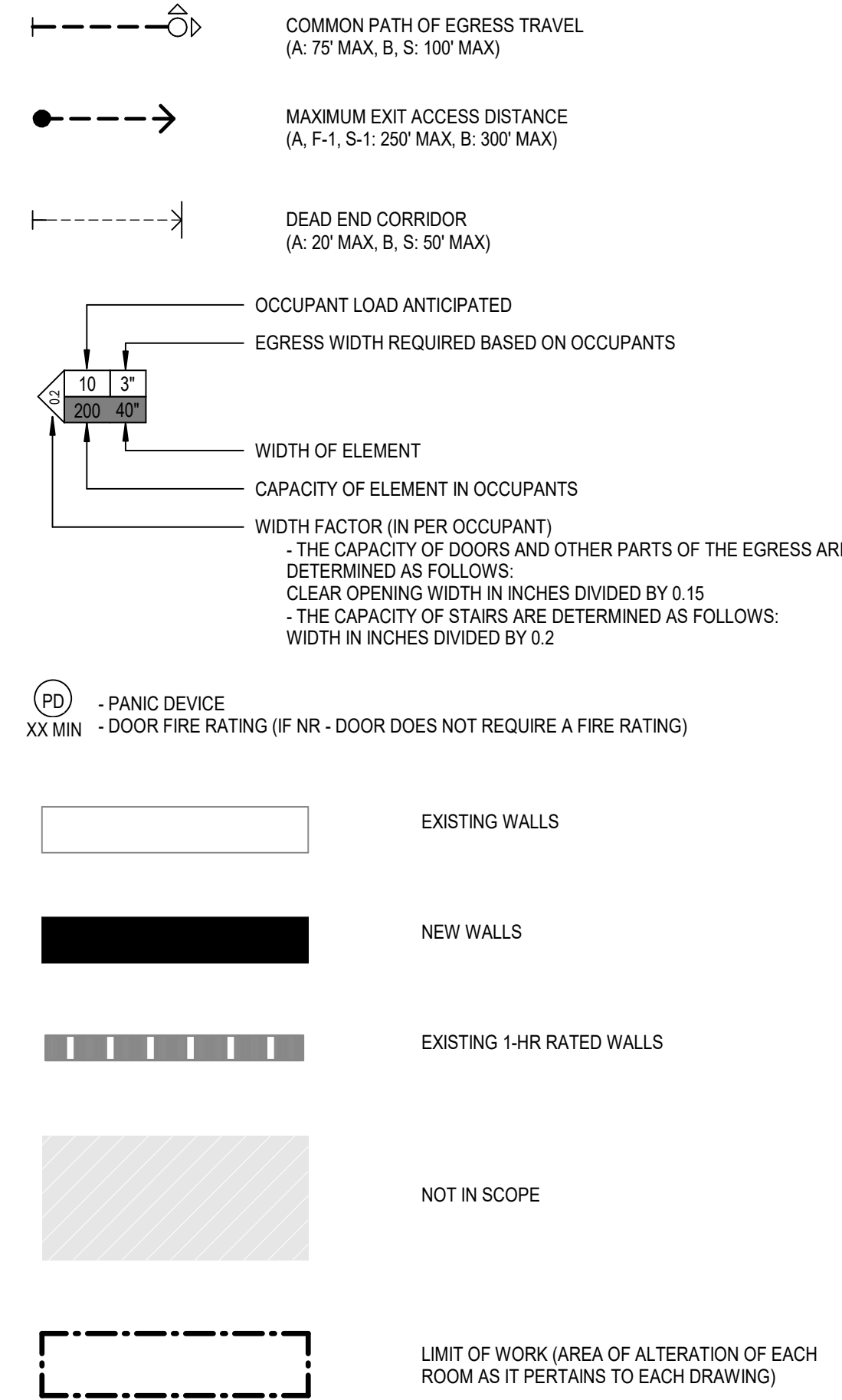
1 LEARNING CENTER - OCCUPANCY AND EGRESS PLAN - LEVEL 1  
CP1.22 SCALE: 3/16" = 1'-0"

LEGEND

TYPICAL ROOM TAG



ANNOTATION SYMBOLS



DSA APP: 01-119997  
DSA FILE: 07-C1

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321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

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Revisions

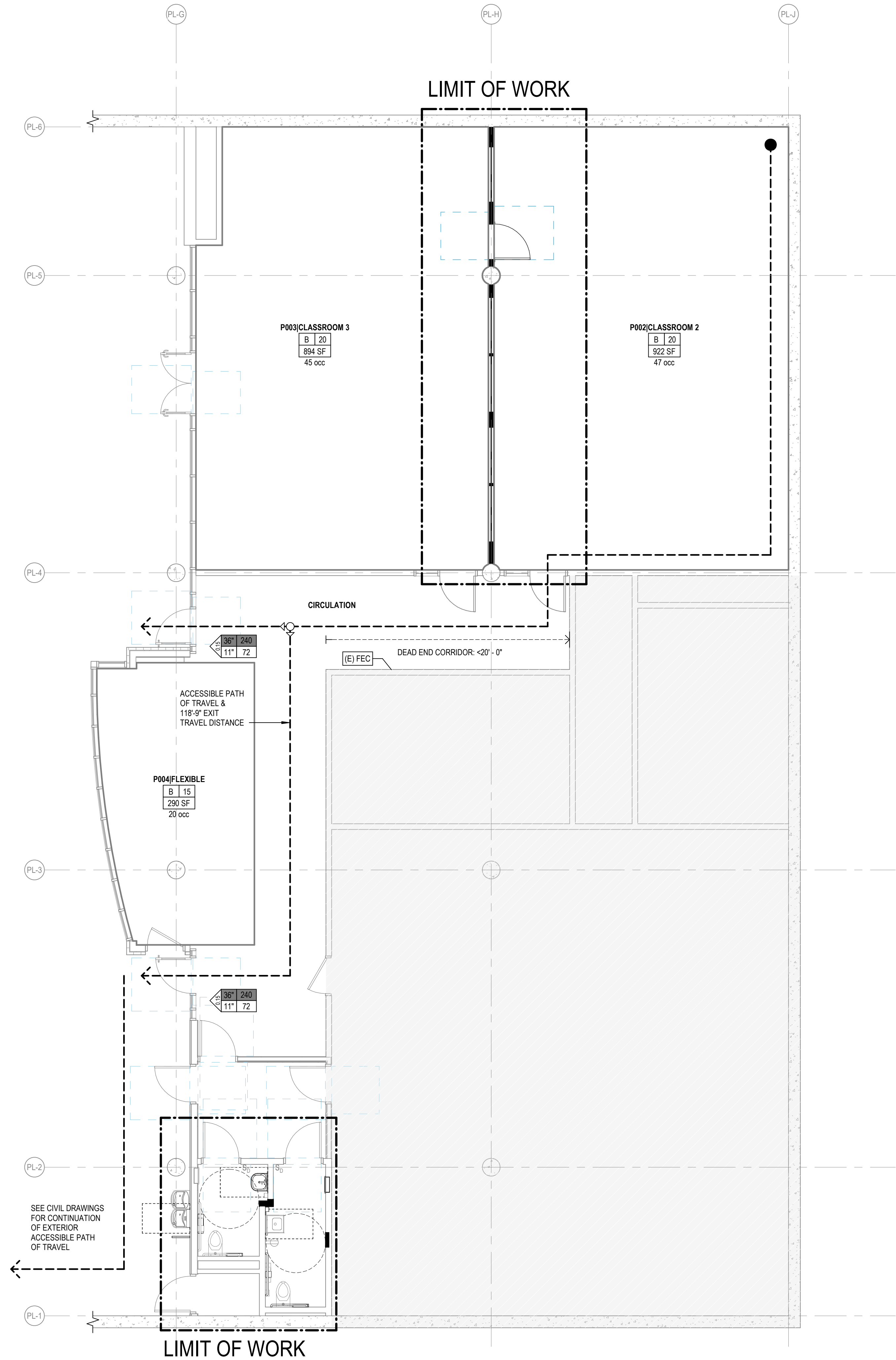
DLR GROUP PROJECT NUMBER:  
75-21809-00

STUDENT SERVICES -  
LEARNING CENTER - LEVEL 1  
CODE PLAN

CP1.22



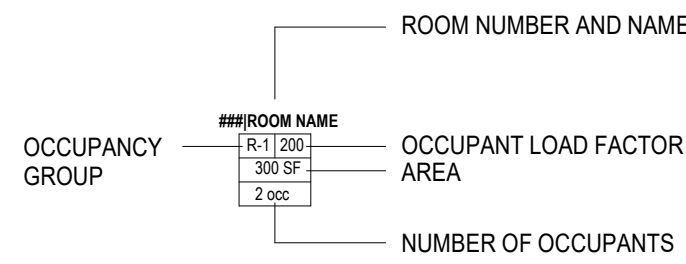
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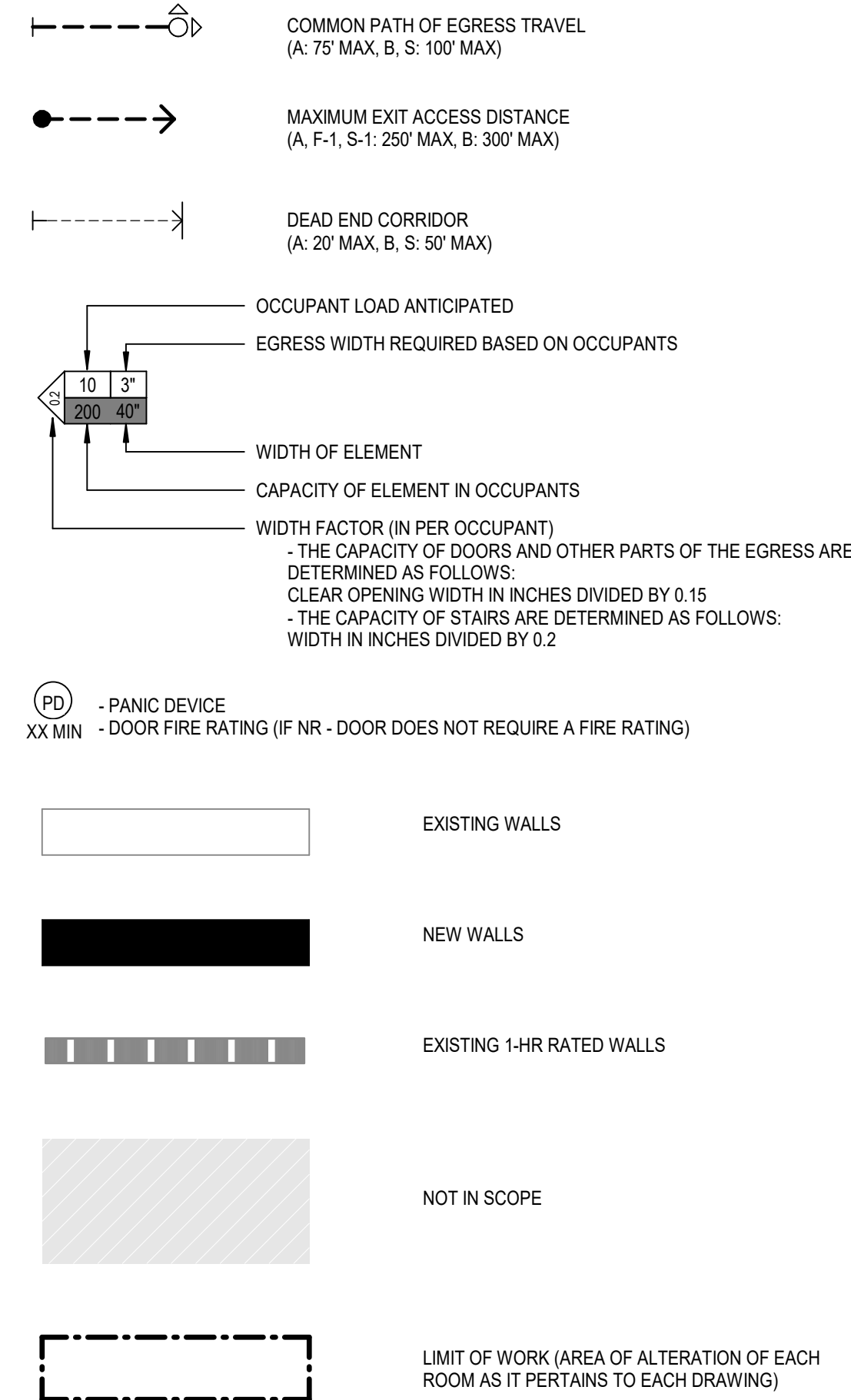
1 PLANETARIUM - OCCUPANCY & EGRESS PLAN - LEVEL 1  
CP1.23/ SCALE: 3/16" = 1'-0"

LEGEND

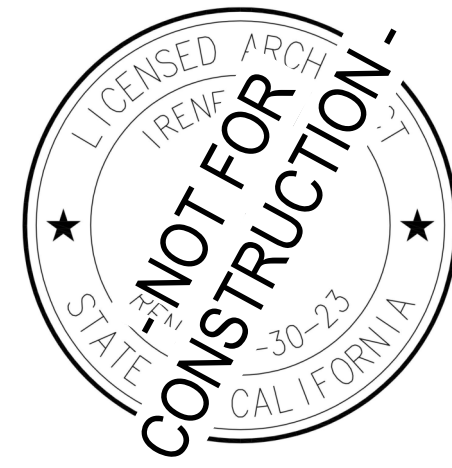
TYPICAL ROOM TAG



ANNOTATION SYMBOLS



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DSA FILE: 07-C1

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Success, & Health Services  
Renovation

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BID SET

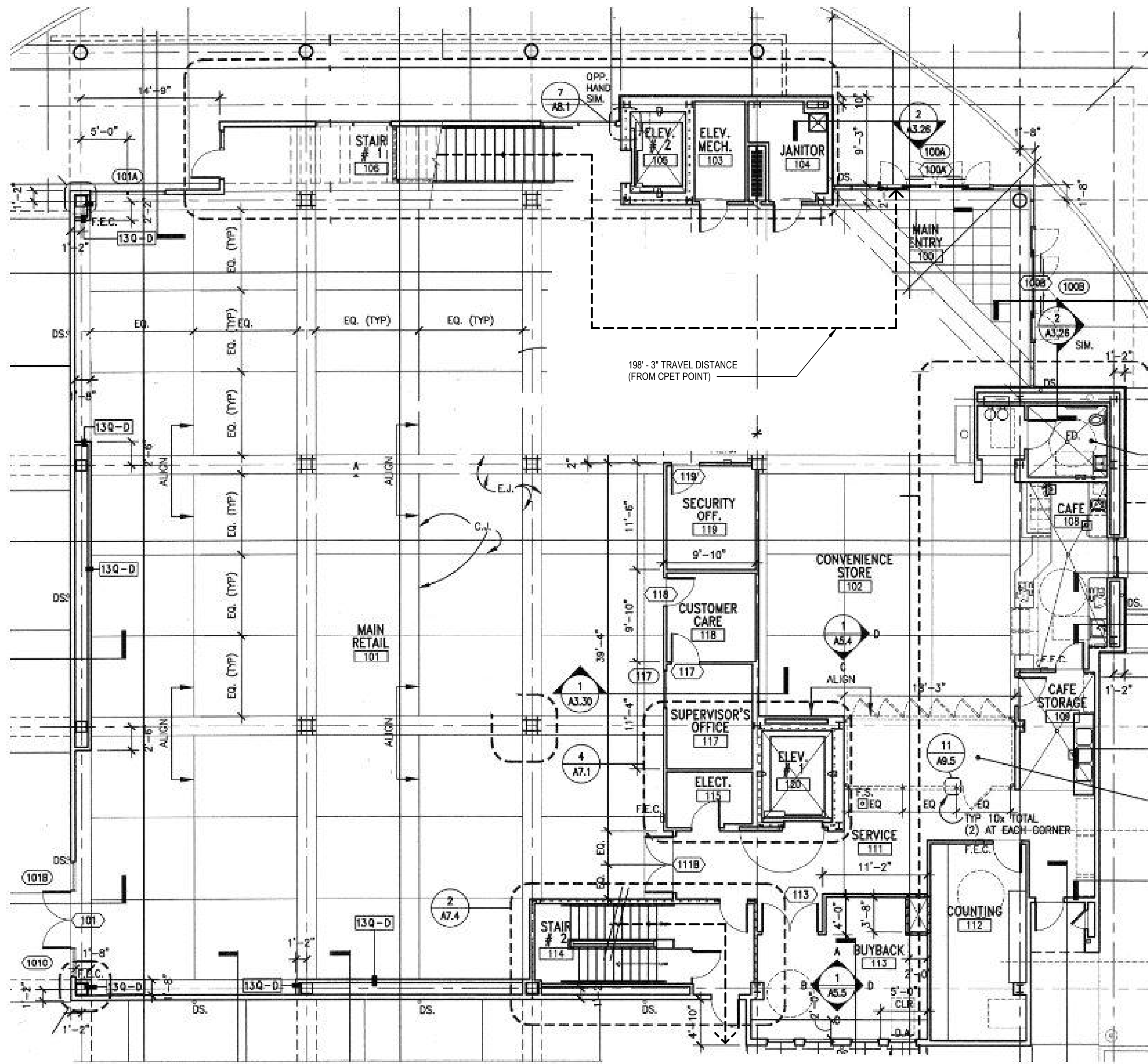
03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

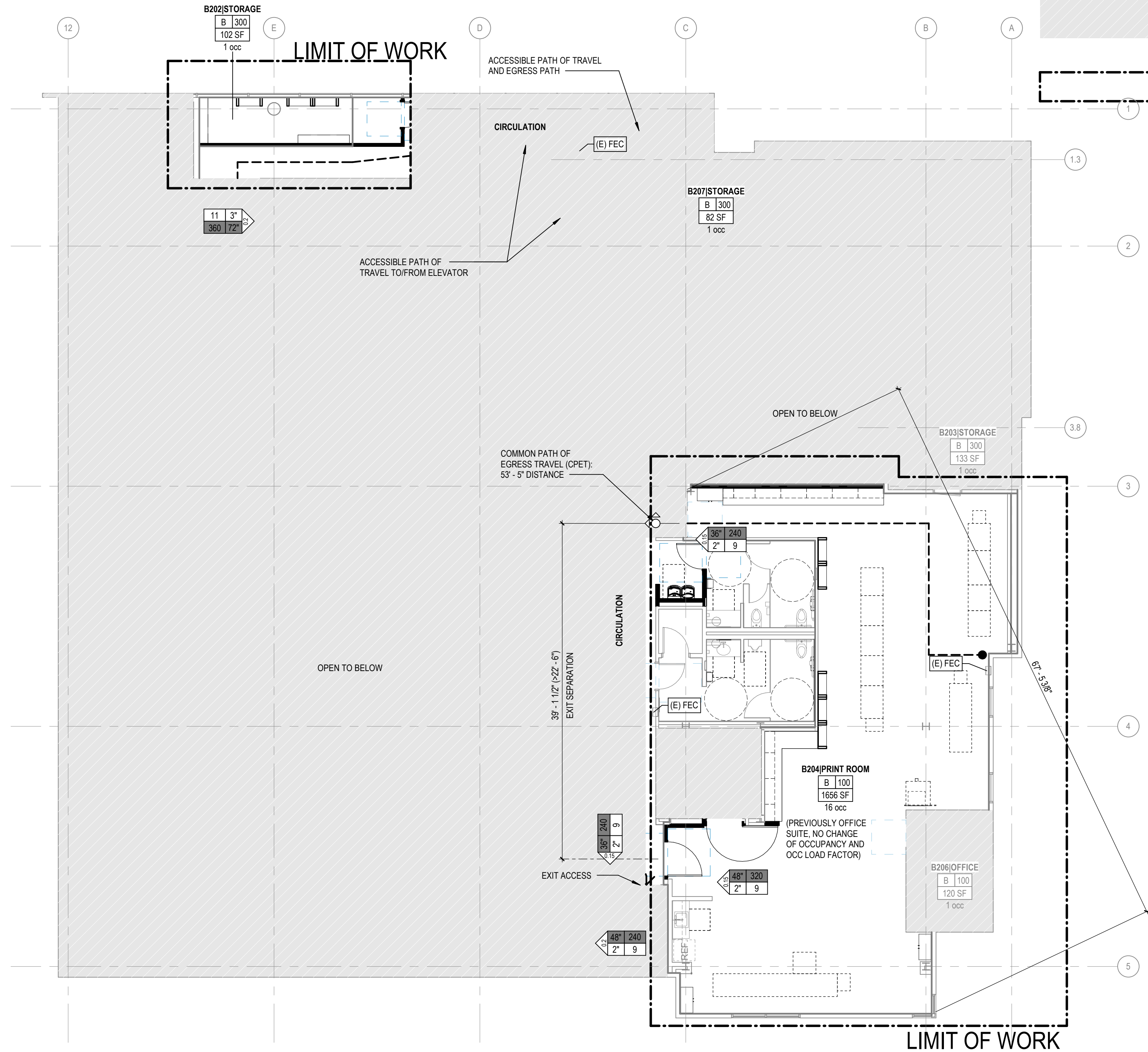
STUDENT SERVICES -  
PLANETARIUM - LEVEL 1  
CODE PLAN

CP1.23





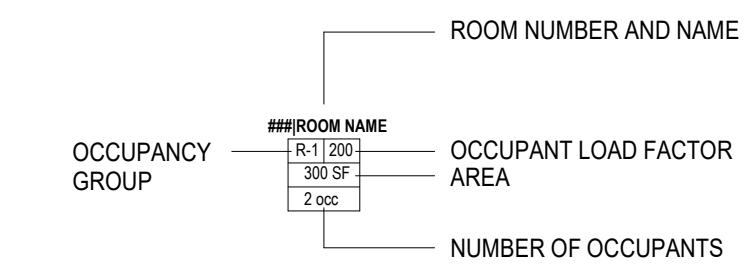
2 BOOKSTORE - EGRESS PLAN - (E) LEVEL 1 (FOR REFERENCE ONLY)  
CP2.31 NO SCALE



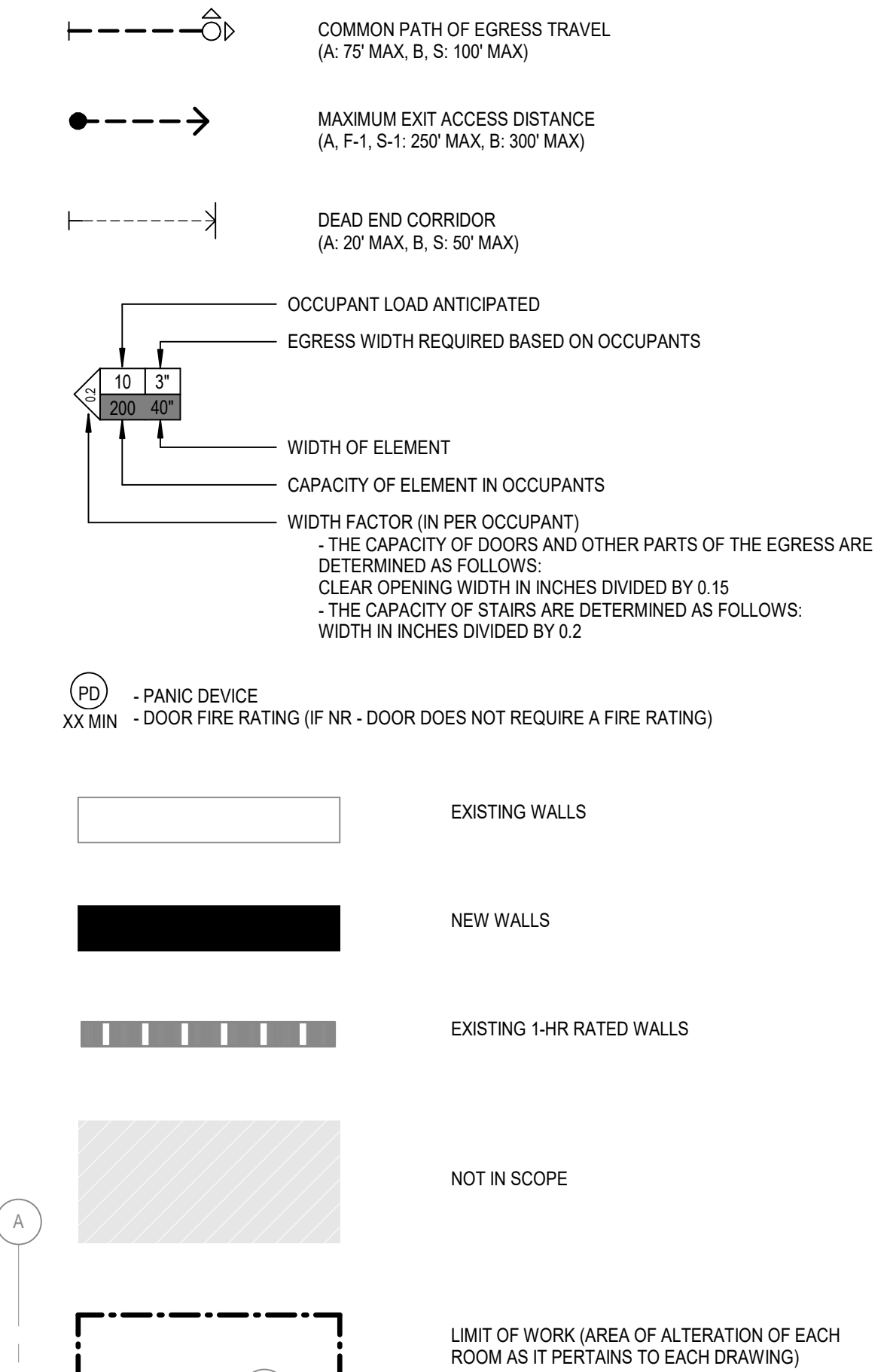
1 BOOKSTORE - OCCUPANCY AND EGRESS PLAN - LEVEL 2  
CP2.31 SCALE: 1/8" = 1'-0"

## LEGEND

### TYPICAL ROOM TAG



### ANNOTATION SYMBOLS



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DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

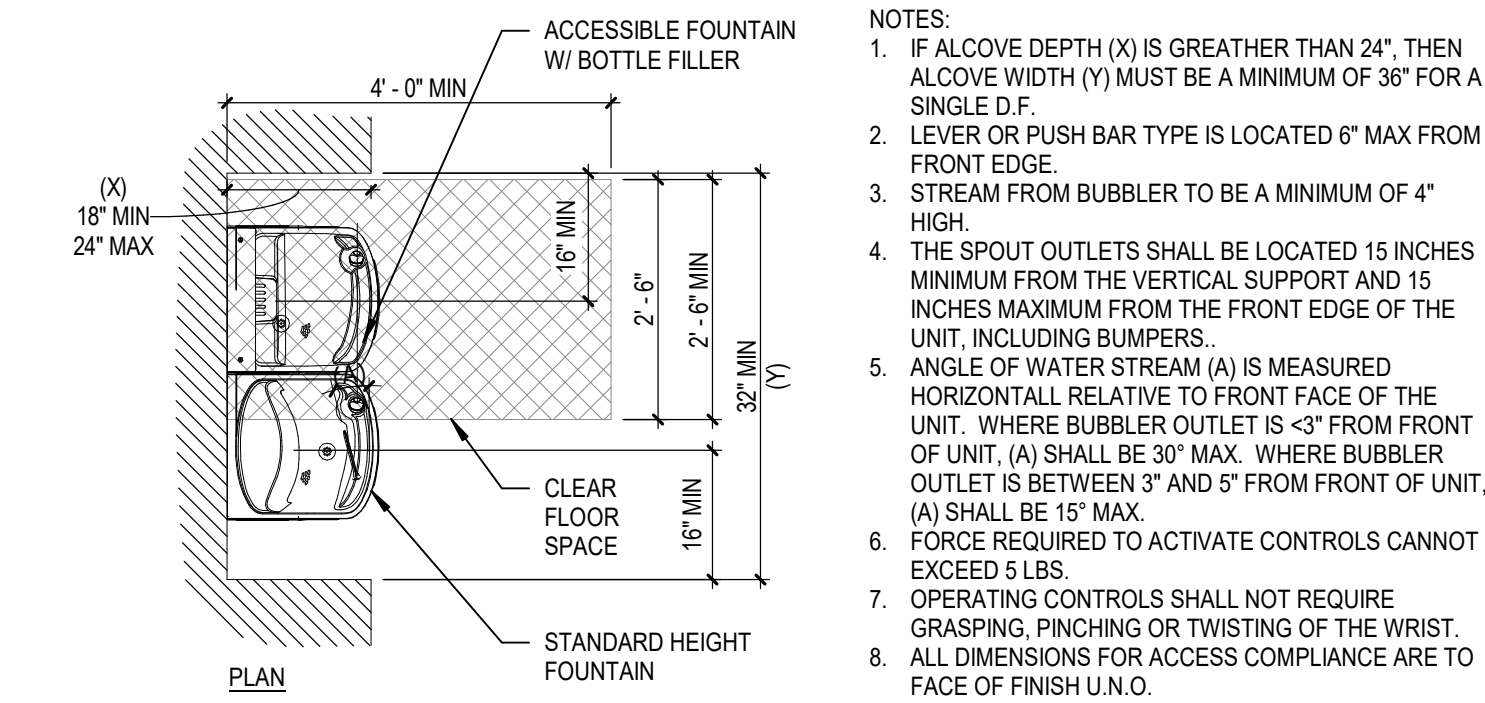
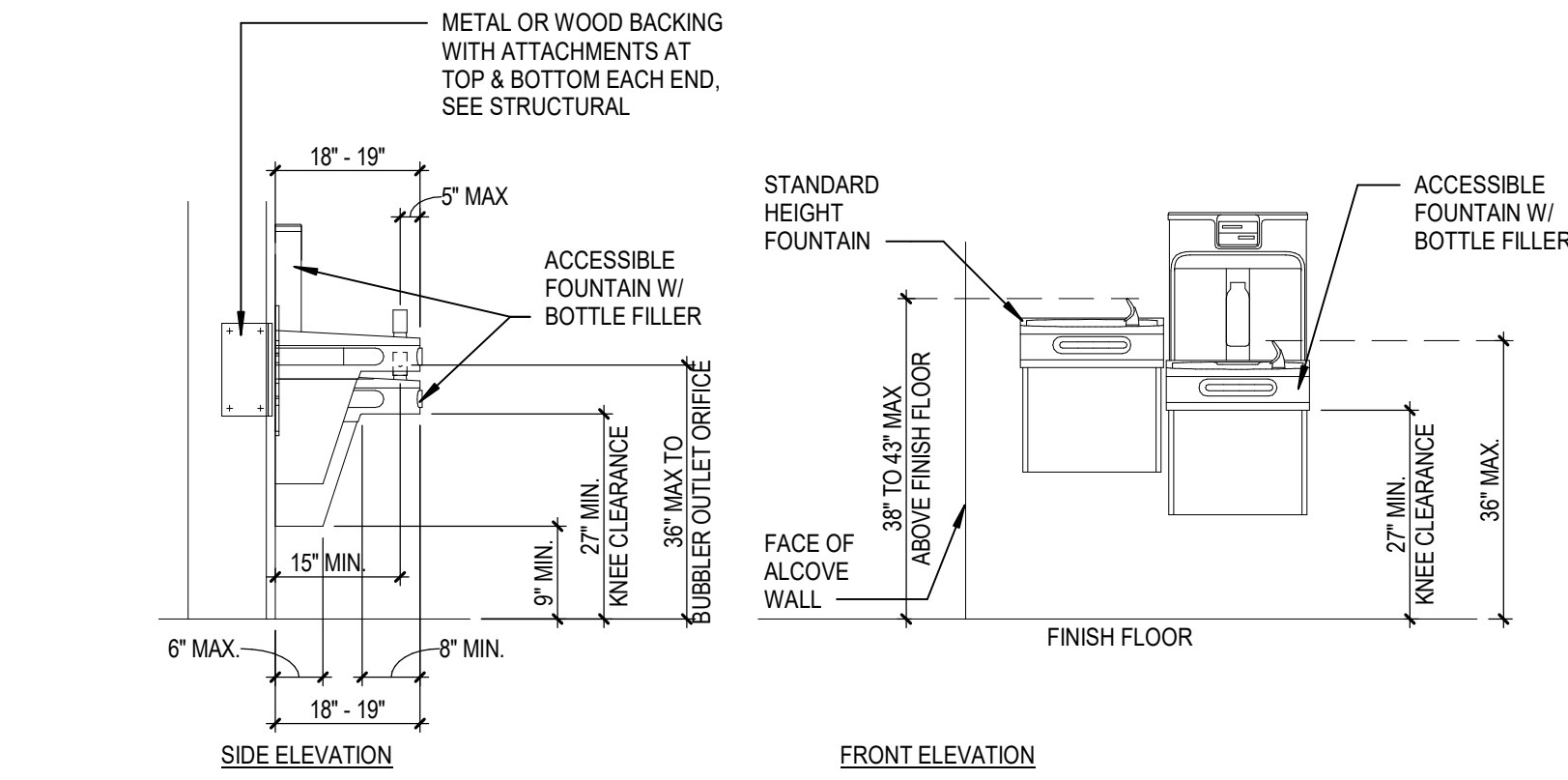
DLR GROUP PROJECT NUMBER:  
75-21809-00

PRINT SHOP - BOOKSTORE -  
LEVEL 2 CODE PLAN

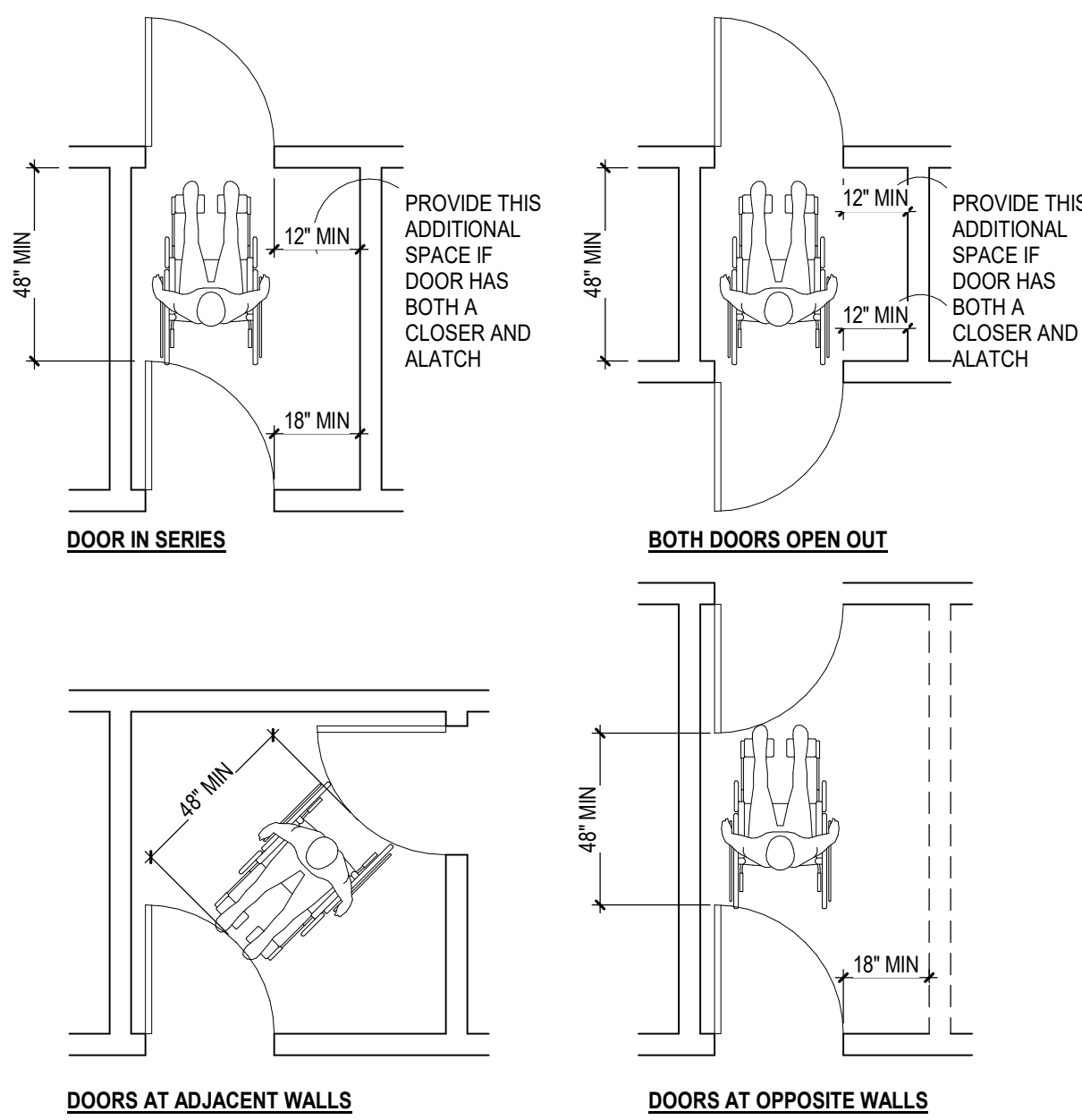
CP2.31



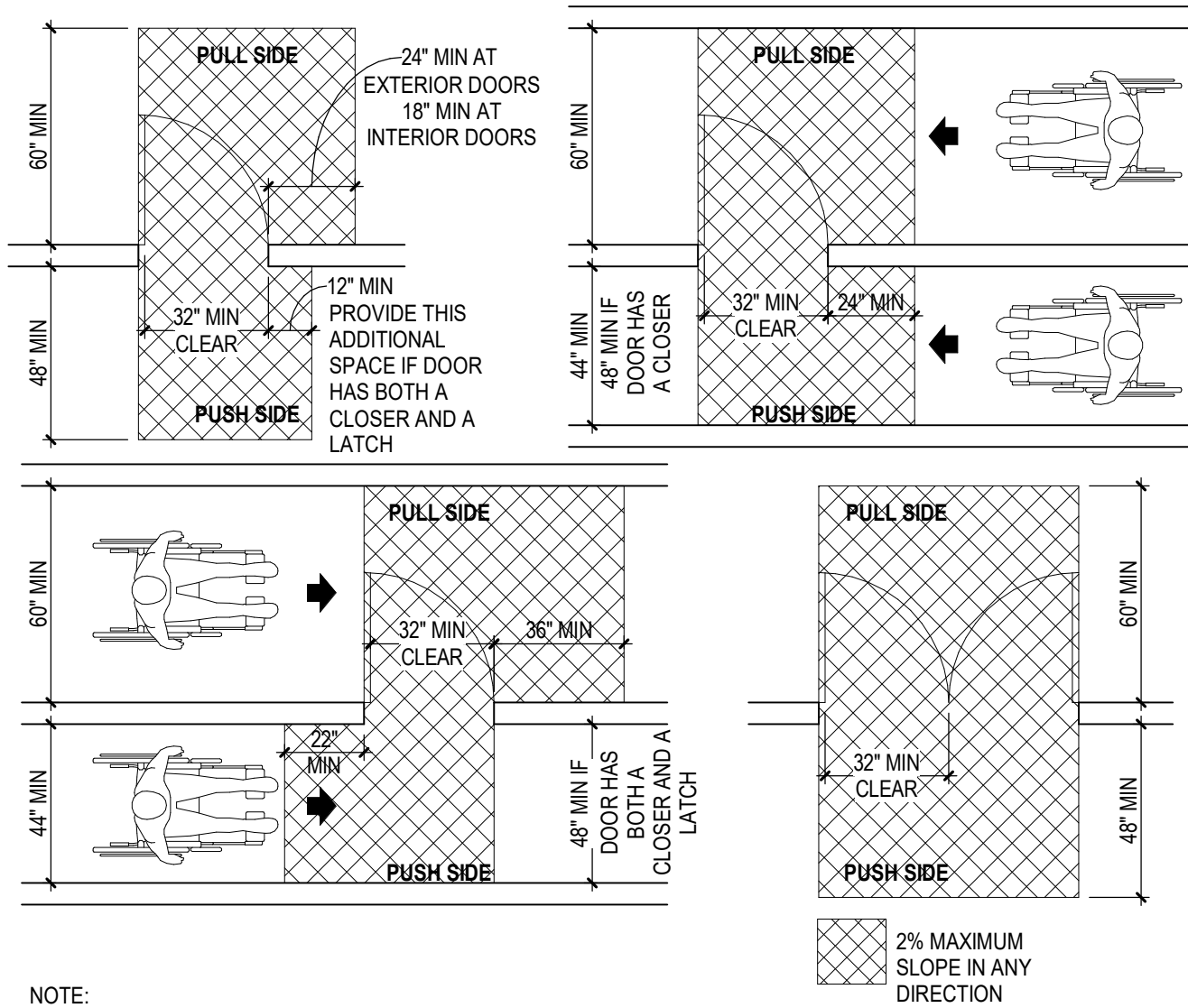
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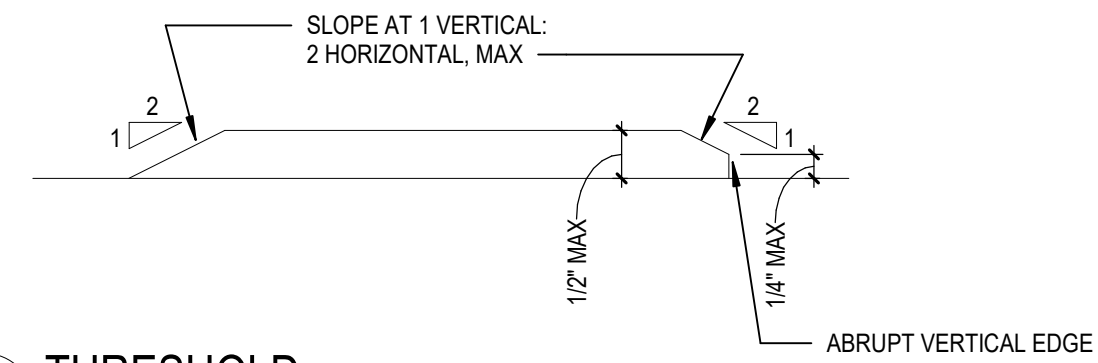
8 DRINKING FOUNTAIN CLEARANCES  
CP3.00 SCALE: 1/2" = 1'-0"



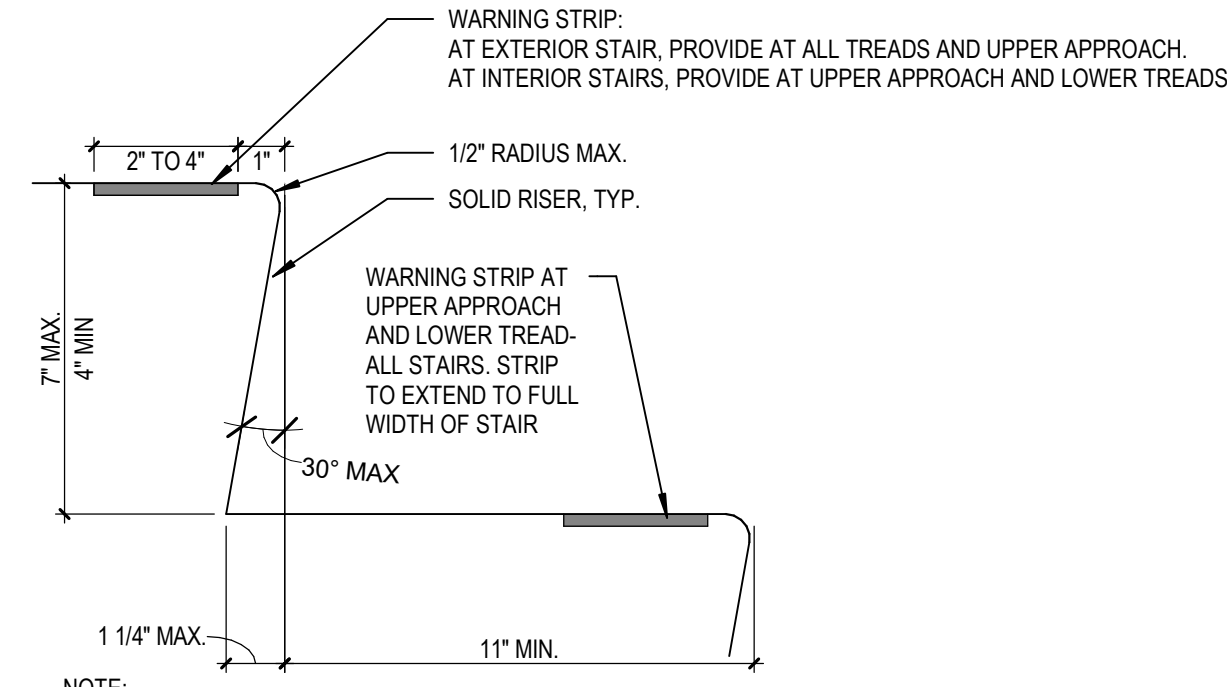
7 VESTIBULE DOORS  
CP3.00 SCALE: 1/4" = 1'-0"



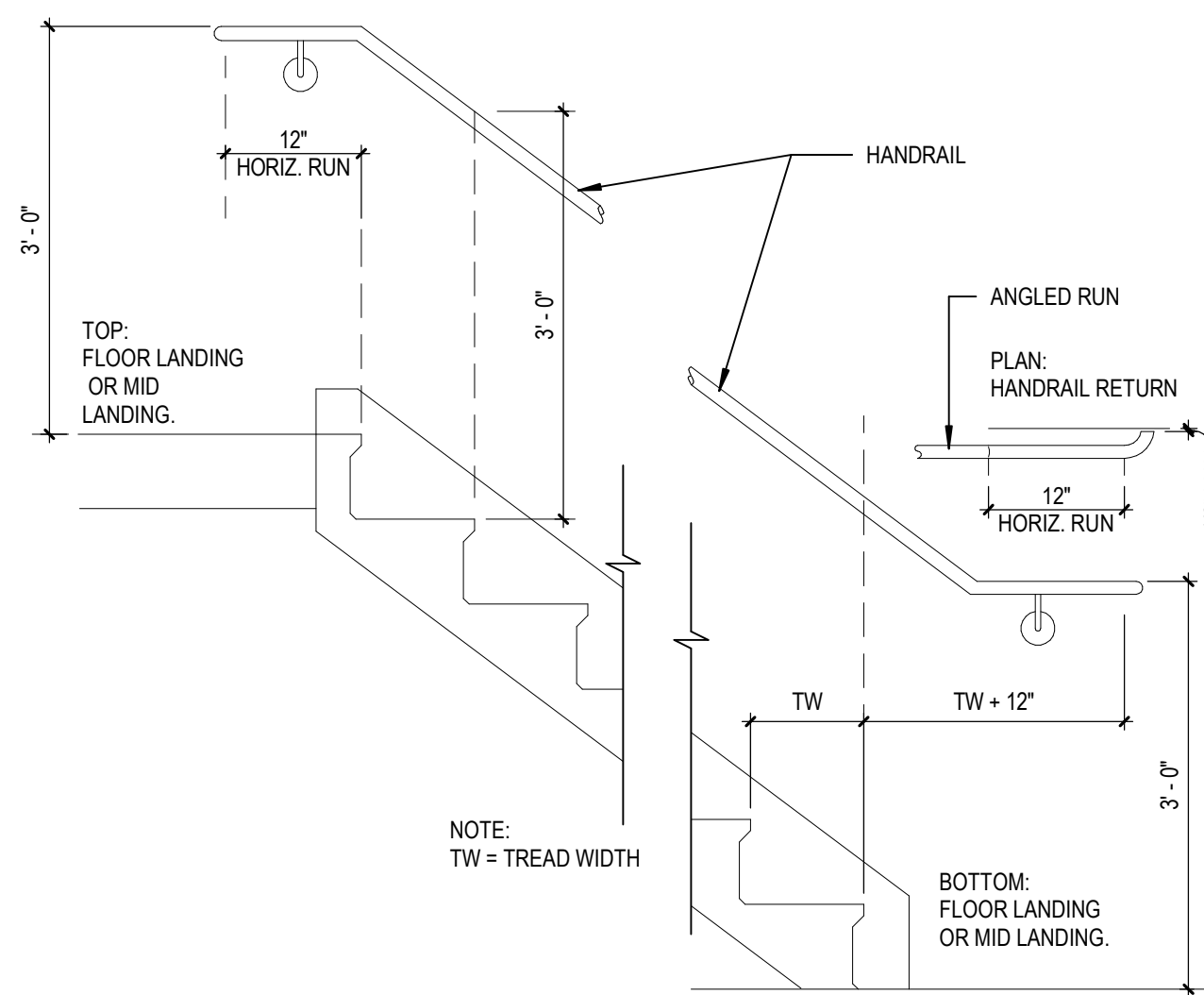
6 DOOR CLEARANCES  
CP3.00 SCALE: 1/4" = 1'-0"



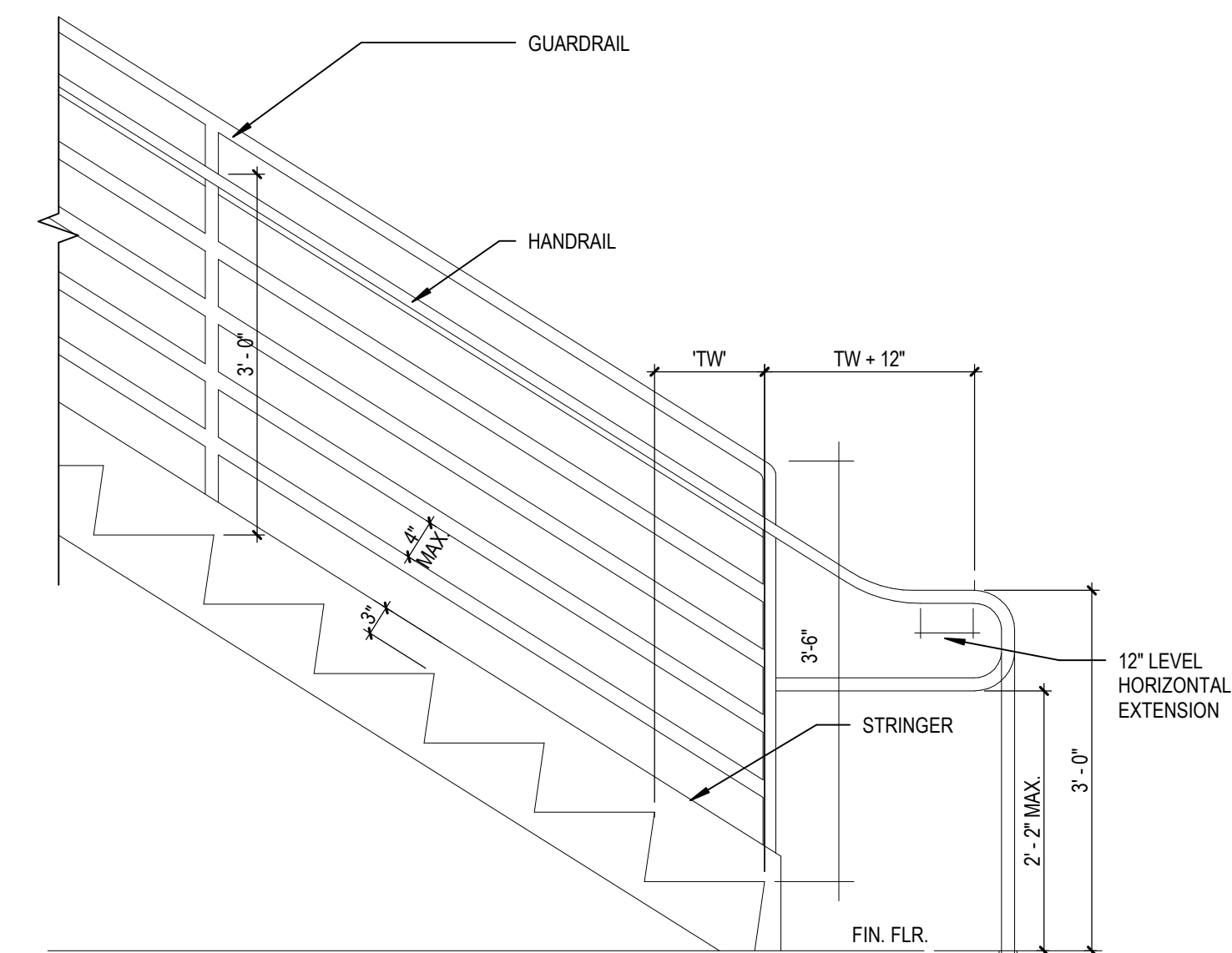
5 THRESHOLD  
CP3.00 SCALE: 6" = 1'-0"



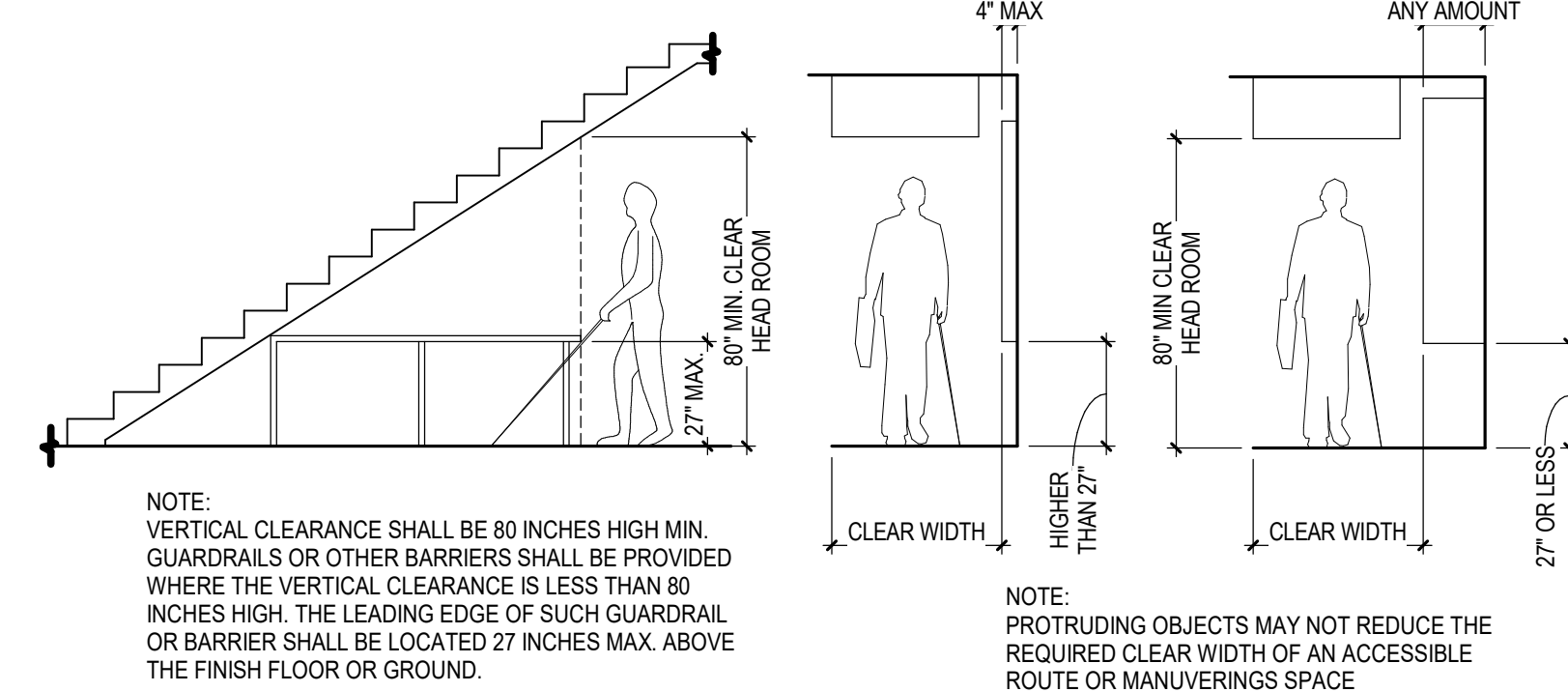
4 DETAIL - ACCESSIBILITY - STAIR TREAD  
CP3.00 SCALE: 3" = 1'-0"



3 DETAIL - ACCESSIBILITY - STAIRS  
CP3.00 SCALE: 3/4" = 1'-0"



2 DETAIL - ACCESSIBILITY - FREESTANDING STAIRS  
CP3.00 SCALE: 3/4" = 1'-0"



1 ACCESSIBLE ROUTE CLEARANCES  
CP3.00 SCALE: 1/4" = 1'-0"

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BID SET

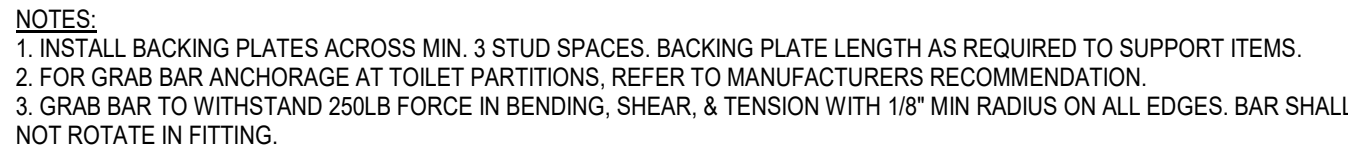
03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

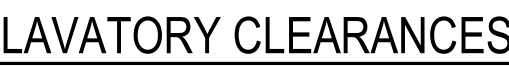
ACCESSIBILITY DETAILS - BUILDING

CP3.00





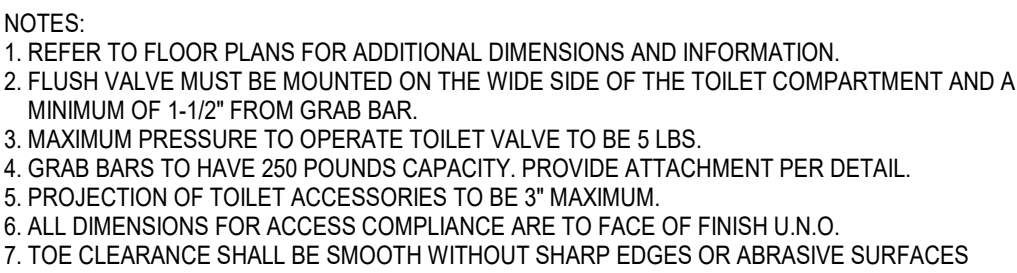
8  
CP3.01



## CP3.01



## CP3.01



5  
CP3.01



## CP3.01



## CP3.01



NOTE: PER 2019 CBC SECTION 11B-604.3.2, THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE FOLLOWING ELEMENTS:

- THE WATER CLOSET;
- ASSOCIATED GRAB BARS;
- DISPENSERS;
- SANITARY NAPKIN DISPOSAL UNITS;
- COAT HOOKS;
- SHelves
- ACCESSIBLE ROUTES;
- CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES; AND
- THE TURNING SPACE.

NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

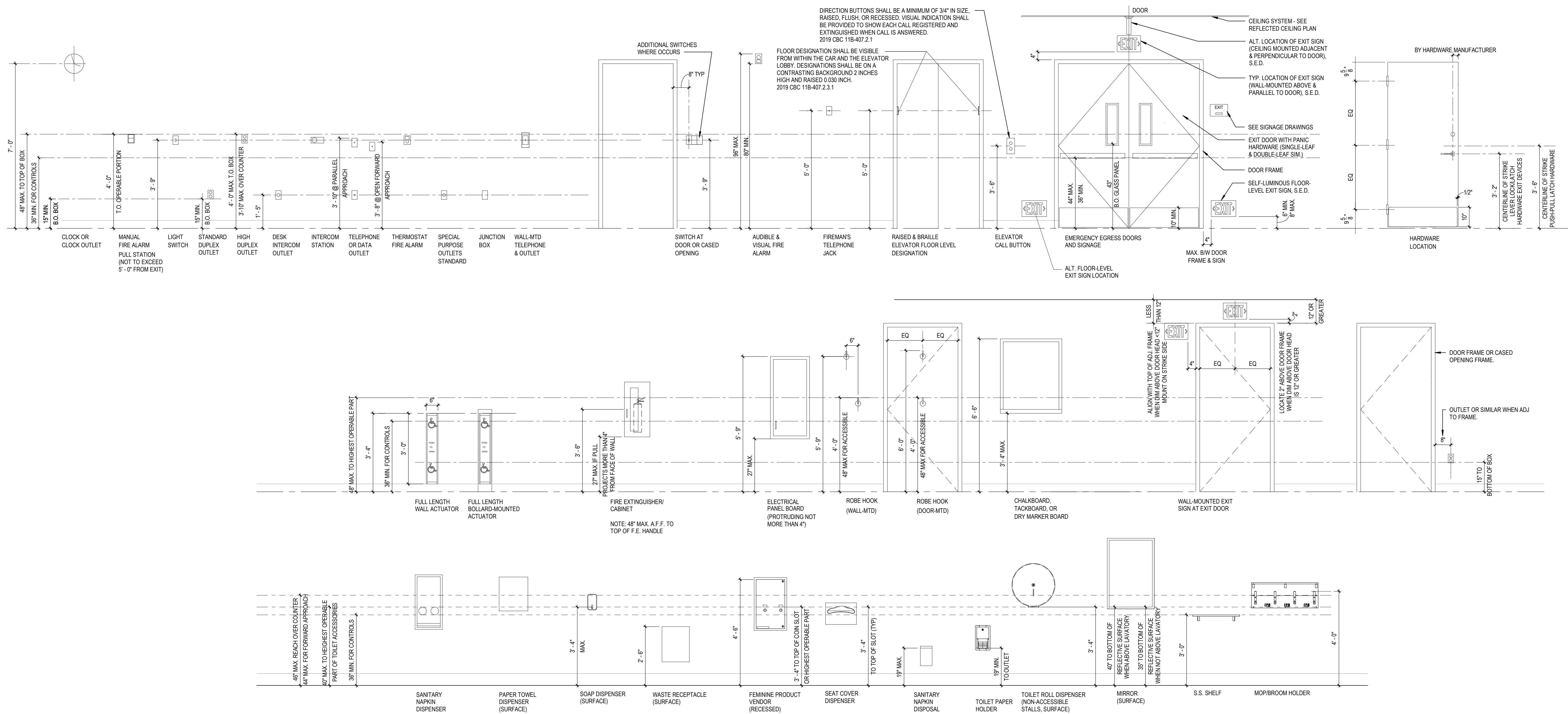


## CP3.01



## CP3.01.





NOTES:

1. IT IS THE INTENT OF THE DESIGN THAT ALL ITEMS SHOWN MOUNTED AT TYPICAL HEIGHTS BE ACCESSIBLE TO PERSONS WITH DISABILITIES, UNLESS NOTED OTHERWISE.

2. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE TYPICAL MOUNTING HEIGHTS AND, WHERE APPLICABLE, TYPICAL MINIMUM OR MAXIMUM CLEARANCES, AND/OR TYPICAL MOUNTING CONFIGURATIONS FOR A VARIETY OF ITEMS.

ATTENTION: THIS SHEET MAY ILLUSTRATE ITEMS OR CONFIGURATIONS WHICH DO NOT OCCUR AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND SCHEDULES TO DETERMINE WHICH ITEMS AND CONFIGURATIONS APPLY TO THE WORK OF THIS PROJECT.

3. THE HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ON THIS SHEET ARE TYPICAL AND SHALL APPLY TO ALL INSTANCES OF THE ITEM (OR GROUP OF ITEMS) SHOWN UNLESS SPECIFICALLY NOTED OR DIMENSIONED OTHERWISE. THE TYPICAL DIMENSIONS SHOWN ON THIS SHEET TAKE PRECEDENCE OVER TYPICAL DIMENSIONS SHOWN ON THE ELECTRICAL OR MECHANICAL DRAWINGS FOR THE MOUNTING OF ITEMS INSTALLED BY THE ELECTRICAL OR MECHANICAL TRADES.

4. SPECIAL OR NON-TYPICAL MOUNTING HEIGHTS OCCUR ONLY WHERE INDICATED BY ANNOTATED SYMBOLS; BY KEY NOTES; BY NOTES ON PLANS, ELEVATIONS, OR DETAILS; OR BY UNIQUE DIMENSIONS ON ELEVATIONS OR DETAILS.

5. FOR ADDITIONAL INFORMATION REGARDING THE PRECEDENCE OF DRAWINGS FOR DETERMINING THE EXACT LOCATION OF EACH EXPOSED PART OF THE WORK, REFER TO THE "ARCHITECTURAL GENERAL NOTES" AND TO THE "TYP RULES FOR DETERMINING MOUNTING HEIGHTS AND LOCATIONS" - SEE THE INDEX OF DRAWINGS FOR SHEET NUMBERS.


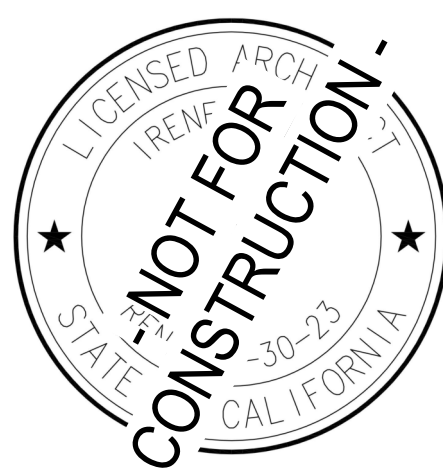
6. TYPICAL MOUNTING HEIGHTS FOR ADDITIONAL ITEMS NOT SHOWN ON THIS SHEET MAY BE ILLUSTRATED BY OTHER SHEETS. REFER TO THE INDEX OF DRAWINGS FOR ADDITIONAL INFORMATION.

7. MOUNTING CONFIGURATION DIAGRAMS ARE ELEVATIONS WHICH ILLUSTRATE TYPICAL RULES GOVERNING THE RELATIONSHIPS BETWEEN, AND PLACEMENT OF, ITEMS WHICH OCCUR IN GROUPS OF RELATED ITEMS (SUCH AS TOILET ACCESSORIES) OR IN CLOSE PROXIMITY TO OTHER PARTS OF THE WORK (SUCH AS SWITCHES AND DOOR FRAMES). UNLESS OTHER MOUNTING CONFIGURATIONS ARE SPECIFICALLY NOTED, DIMENSIONED, OR ELEVATED, THE TYPICAL RELATIONSHIPS, ARRANGEMENTS, AND DIMENSIONS SHOWN BY THE TYPICAL CONFIGURATION DIAGRAMS APPLY THROUGHOUT THE WORK OF THIS PROJECT.

8. TYPICAL MOUNTING CONFIGURATIONS FOR ADDITIONAL GROUPINGS NOT SHOWN ON THIS SHEET MAY BE SHOWN ON OTHER SHEETS. REFER TO THE INDEX OF DRAWINGS FOR ADDITIONAL INFORMATION.

9. MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS FOR TOILET ACCESSORIES SHOWN ON THIS SHEET ARE BASED UPON SPECIFIC MANUFACTURERS AND MODEL AS INDICATED BY THE "TOILET ACCESSORY SCHEDULE." WHEN SIMILAR ACCESSORIES OF OTHER SPECIFIED AND ACCEPTABLE MANUFACTURERS (IF ANY) ARE UTILIZED, MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS OF THE SIMILAR ACCESSORIES MAY VARY FROM THOSE SHOWN. WHEN SIMILAR ACCESSORIES ARE UTILIZED THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED TO ACHIEVE THE SAME AESTHETIC AND FUNCTIONAL DESIGN INTENT ILLUSTRATED BY THAT SHOWN ON THE DRAWINGS.

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# DVC

DSA APP: 01-11999  
DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

BID SET

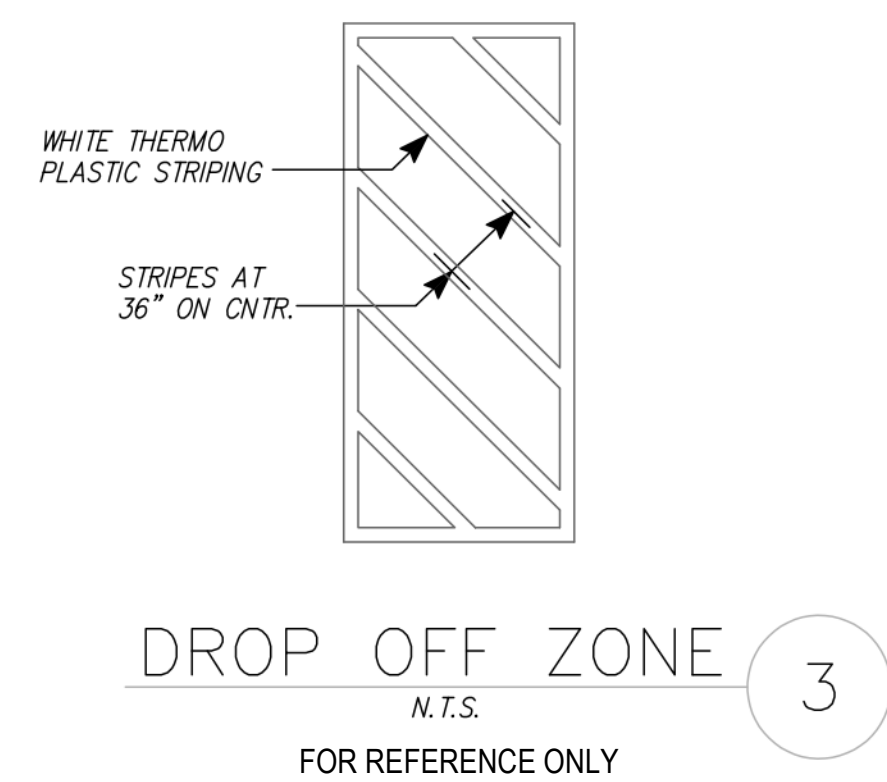
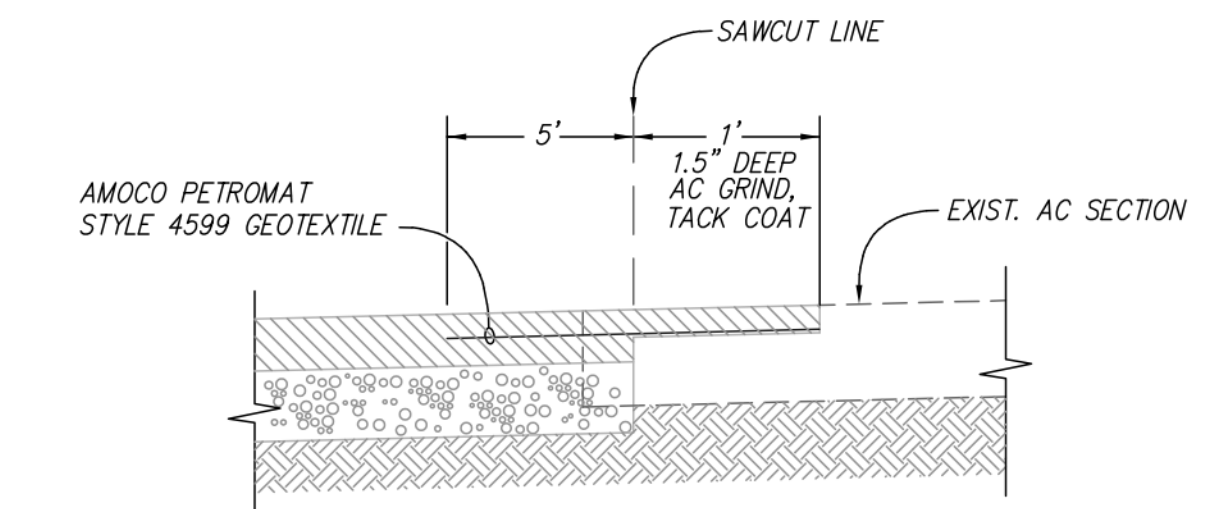
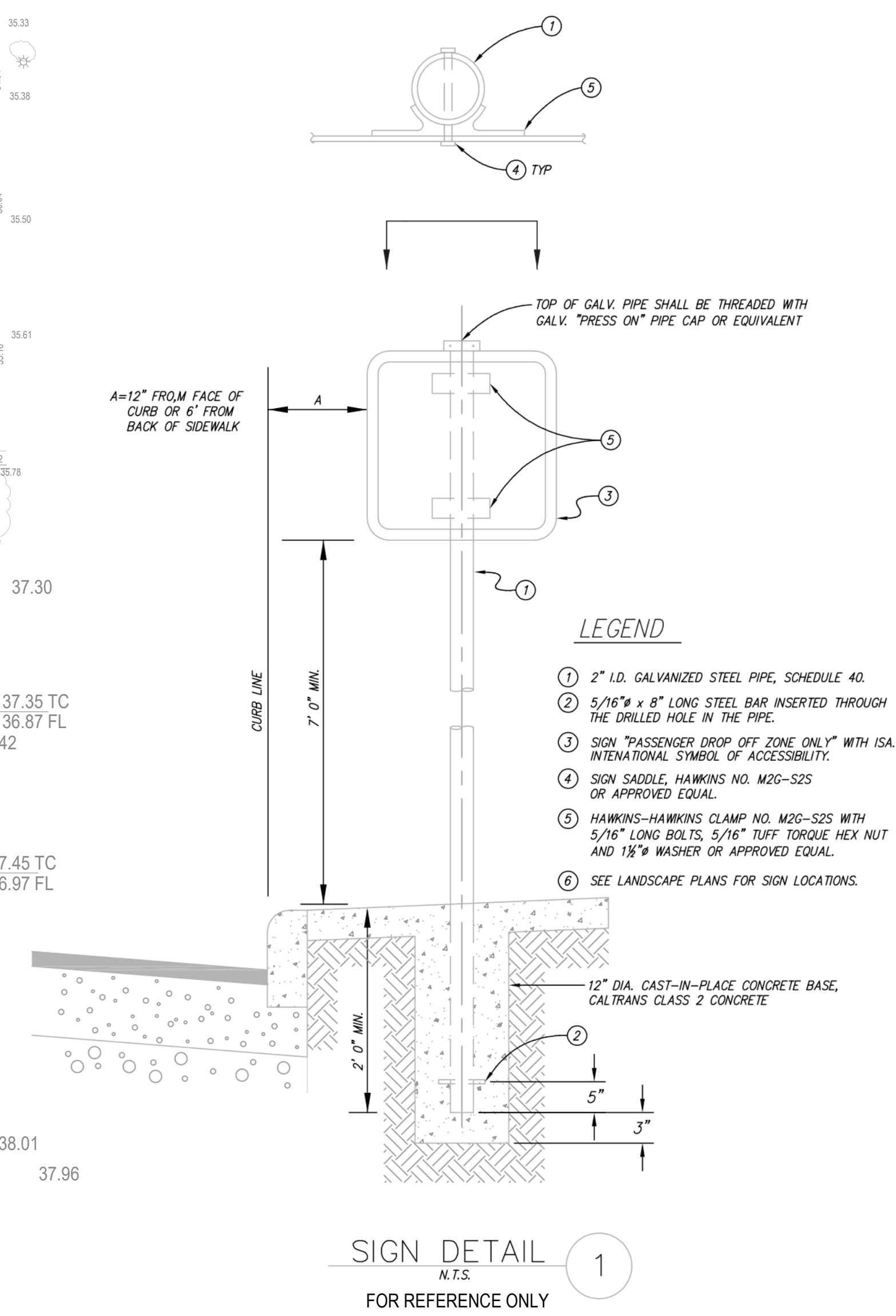
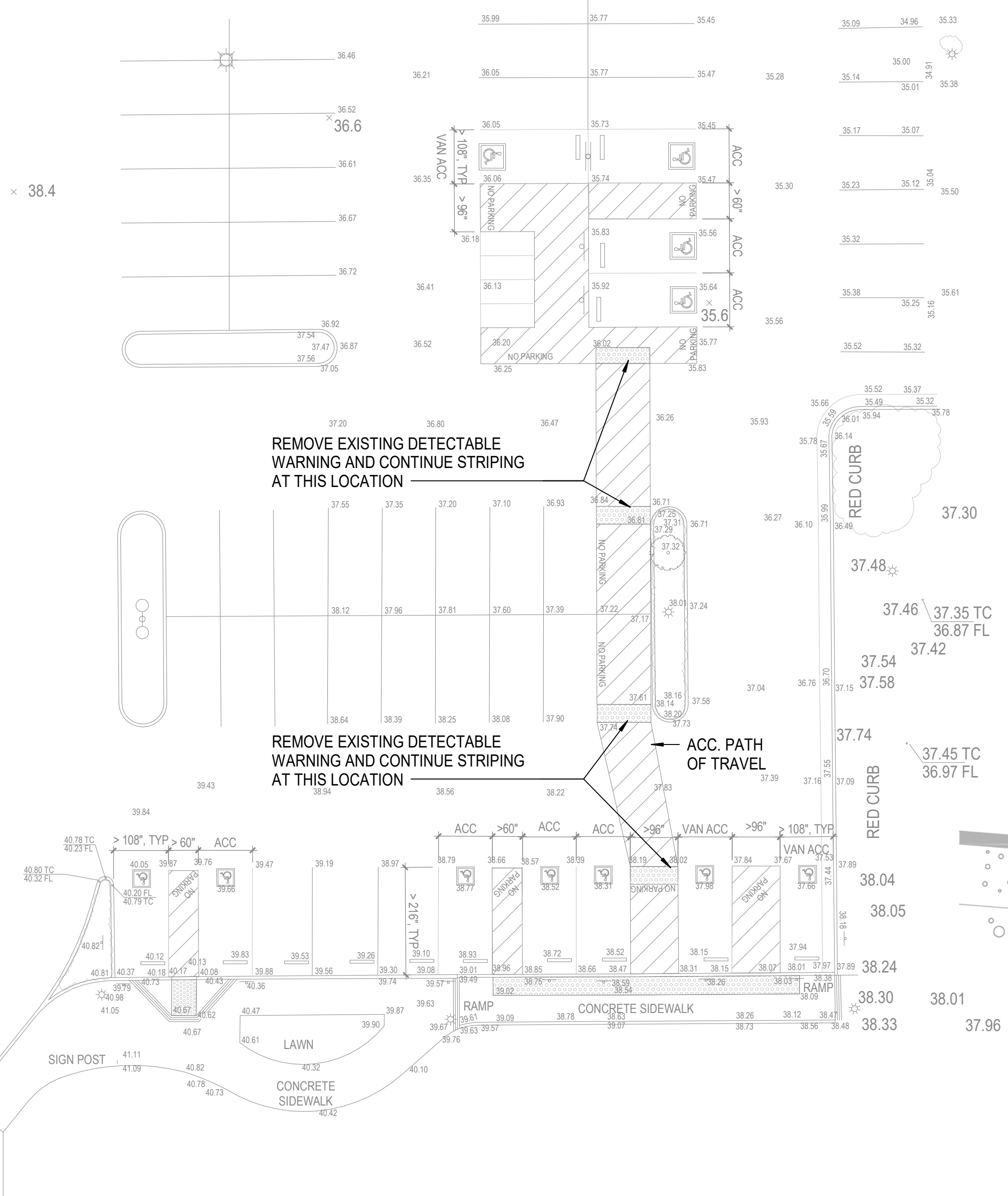
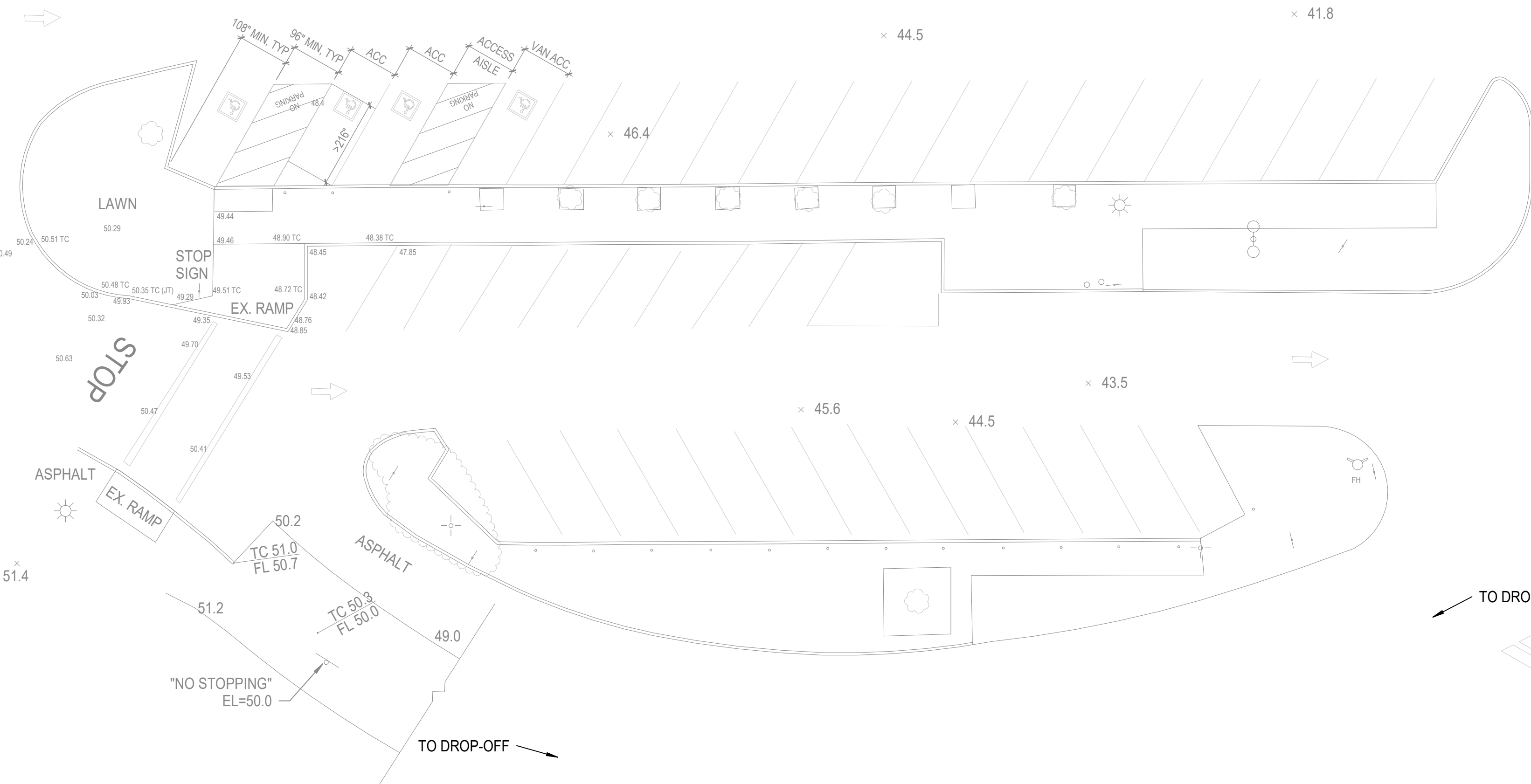
03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

## ACCESSIBILITY DETAILS - TYPICAL MOUNTING HEIGHTS

CP3.02





### SHEET LEGEND

- PROVIDE AND INSTALL AC PAVEMENT
- SAWCUT LINE

DVC DROP-OFF/RE-PAVING  
NORTH ENTRY

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DSA APP: 01-119997  
DSA FILE: 07-C1

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Renovation**  
COCOD - Diablo Valley College  
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BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

ACCESSIBILITY REFERENCE  
PLANS

CP3.03



F:\Projects\21325 Diablo Valley College Learning Center Ramp Plans and Grading\Improvement Plans\21325-C1 NOTES SHEET.dwg

GENERAL NOTES

1. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CITY OF PLEASANT HILL STANDARD SPECIFICATIONS AND PLANS, LATEST EDITION, AND ALL AMENDMENTS THERE TO-DATE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT HIS EXPENSE.
3. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD SPECIFICATIONS.
4. EXCAVATION OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY.
5. THE CONTRACTOR SHALL DEMOLISH, EXCAVATE, REMOVE AND DISPOSE OF ALL EXISTING CONCRETE CURB, GUTTER OR SIDEWALK, ASPHALT CONCRETE PAVING, AND DELETERIOUS MATERIAL, AS REQUIRED TO CONSTRUCT THE CONTRACT WORK. ALL SUCH EXCESS MATERIAL GENERATED SHALL BE DISPOSED OF FROM THE SITE BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL OBTAIN AN ENCRoACHMENT PERMIT FOR ANY WORK DONE WITHIN THE CITY RIGHT-OF-WAY FROM THE CITY OF PLEASANT HILL BUILDING DEPARTMENT, AND NOTIFY THE CITY 48 HOURS IN ADVANCE OF STARTING ANY WORK TO BE ACCEPTED FOR OWNERSHIP AND MAINTENANCE BY THE CITY OF PLEASANT HILL.
7. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST. THE OWNER AND THE ENGINEER DO NOT ACCEPT RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES.
8. ATTENTION IS CALLED TO: SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, AS AMENDED, WHICH STATES:
- "PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION."
9. THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THE CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT.
10. WHENEVER EXISTING PAVEMENT IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.
11. PAYMENT FOR PAVEMENT WILL BE MADE FOR THE AREAS SHOWN ON THE PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT IN THE INSTALLATION OF THE IMPROVEMENTS COVERED BY THESE PLANS AND SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INCLUDED IN THE STREET CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.
12. THE CONTRACTOR SHALL EXPOSE EXISTING STORM DRAINS, WATER MAINS, AND SANITARY SEWERS WHERE CONNECTIONS AND CROSSINGS ARE TO BE MADE SO EXISTING FLOWLINES AND LOCATIONS CAN BE VERIFIED BEFORE THE START OF CONSTRUCTION.
13. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
14. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF PLEASANT HILL FOR USE OF WATER FROM PUBLIC FIRE HYDRANTS FOR CONSTRUCTION PURPOSES. THE PERMIT SHALL BE APPROVED BY THE CITY OF PLEASANT HILL WATER ADMINISTRATION.
15. THE PROPERTY OWNERS, DEVELOPERS, AND/OR SUCCESSORS IN INTEREST SHALL COMPLY WITH THE PROVISIONS OF THE CALIFORNIA GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT AND STATE WATER RESOURCES CONTROL BOARD.
16. DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTORS' EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS.
17. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE AND MAINTAIN ALL MACHINERY, APPLIANCES AND EQUIPMENT TO MAINTAIN ALL EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION, AND SHALL DEWATER AND DISPOSE OF THE WATER SO AS TO NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, OR TO CAUSE A NUISANCE OR MENACE TO THE PUBLIC. THE DEWATERING SYSTEM SHALL BE INSTALLED AND OPERATED SO THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT WHICH WOULD CAUSE DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. ALL COSTS FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL PIPE CONSTRUCTION. THE STATIC WATER LEVEL SHALL BE DRAINAGE BOTTOM A MINIMUM OF 1 FOOT BELOW THE BOTTOM OF EXCAVATION OF ANY FILL TO THE SPECIFIED DENSITY. DISPOSAL OF WATER SHALL BE IN ACCORDANCE WITH THE APPROVED SWPPP AND SHALL NOT DAMAGE PROPERTY, CREATE A PUBLIC NUISANCE OR VIOLATE THE LAW. THE CONTRACTOR SHALL HAVE ON HAND, PUMPING EQUIPMENT AND MACHINERY IN GOOD WORKING CONDITION FOR EMERGENCIES AND SHALL HAVE WORKMEN AVAILABLE FOR ITS OPERATION. THE DEWATERING SYSTEM SHALL OPERATE CONTINUOUSLY UNTIL BACK-FILL HAS BEEN COMPLETED TO 1 FOOT ABOVE THE NORMAL STATIC GROUNDWATER LEVEL.
18. ANY VOIDS LEFT BY THE REMOVAL OF UNDERGROUND UTILITIES OR OTHER BURIED OBJECTS SHALL BE CLEANED OF ALL LOOSE SOILS AND SHALL BE PROPERLY BACKFILLED WITH ENGINEER FILLED THAT THE OWNER APPROVES.
19. ENGINEERED FILL SHALL BE PLACED IN HORIZONTAL LAYERS A MAXIMUM OF 8 INCHES IN LOOSE THICKNESS AND BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY THE OWNER'S SOIL ENGINEER.
20. SITE CONCRETE ULTIMATE COMPRESSIVE STRENGTH SHALL BE MIN. OF 3,000 PSI FOR SITE CONCRETE. STRUCTURAL CONCRETE SHALL REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
21. FOR SITE CONCRETE:
- 21.1. ULTIMATE COMPRESSIVE STRENGTH SHALL BE MIN. OF 3,000 PSI FOR SITE CONCRETE.
- 21.2. REINFORCING BARS - DEFORMED BILLET STEEL BARS, ASTM A-615, GRADE 40 OR 60, CONTAINING A MINIMUM OF 70% TOTAL RECYCLED CONTENT, CLEAN AND FREE FROM RUST, SCALE, OR COATING THAT WILL REDUCE BOND.
- 21.3. SMOOTH DOWELS FOR JOINTS: ASTM A615, GRADE 40 SMOOTH, BILLET-STEEL BARS, SHOP PAINTED WITH IRON-OXIDE ZINC-CHROME PRIMER.

GRADING NOTES

1. GRADING AND LAND STABILIZATION SHALL INCLUDE COST OF REMOVING FROM THE SITE ALL STRIPPED VEGETATION, DEBRIS, STRUCTURES, POWER POLES, EXISTING PAVEMENT, TREES, AND OTHER DELETERIOUS MATERIALS.
2. STOCKPILES OF EXISTING DELETERIOUS MATERIAL SHALL BE HAULED OFF AND DISPOSED OF BY CONTRACTOR.
3. WHEN GRADING OCCURS DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 15), THE CONTRACTOR SHALL CONDUCT AND DOCUMENT SELF ON-SITE INSPECTIONS DURING RAIN EVENTS EXCEEDING 0.1 INCH OVER 24 HOUR PERIOD. IN ADDITION, SUSCEPTIBLE SLOPES SHALL BE COVERED.
5. NO FILL TO BE PLACED UNTIL DSA OR THIRD PARTY INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
6. ALL FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% UNLESS OTHERWISE NOTED ON THE PLANS. IN THE SPECIFICATIONS, OR IN THE GEOTECHNICAL REPORT. LANDSCAPE AREAS SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 85%.
7. TEMPORARY EROSION CONTROL TO BE INSTALLED DURING CONSTRUCTION.

FLOOD DESIGNATION

FLOOD ZONE DESIGNATION: ZONE X  
FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION: 0279F  
EFFECTIVE DATE ON FIRM: JUNE 16, 2009  
BASE FLOOD ELEVATION (BFE): UNDETERMINED  
APPLICABLE COMMUNITY ORDINANCE SECTION: CITY OF PLEASANT HILL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: (DSA PR 15-01)

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHIP OR SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
@	AT	NO.	NUMBER
AB	AGGREGATE BASE	NRCP	NON-REINFORCED CONCRETE PIPE
AC	ASPHALT CONCRETE	NTS	NOT TO SCALE
AD	AREA DRAIN	O.C.	ON CENTER
BCR	BEGINNINGS OF CURB RETURN	OD	OUTSIDE DIAMETER
BM	BENCHMARK	P	PAVEMENT
BO	BLOWOFF	PC	POINT OF CURVATURE
BOW	BACK OF CURB	PCC	POINT OF COMPOUND CURVATURE
C & G	BACK OF WALK	POT	POINT OF TANGENCY
C & G	CURB AND GUTTER	PP	POWER POLE
C & G & SW	CURB, GUTTER, AND SIDEWALK	PRC	POINT OF REVERSE CURVATURE
CL	CENTERLINE	PT	POINT
CB	CATCH BASIN	PUE	PUBLIC UTILITY EASEMENT
CJ	CONSTRUCTION JOINT	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE
CO	CLEANOUT	R	RADIAL OR RADIUS
COSJ	CITY OF PLEASANT HILL	RW	RIGHT-OF-WAY
DIA	DIAMETER	RC	ROLL-CURB
DWG	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
RDW	DRAIN	RD	ROOF DRAIN
EBOW	EXISTING BACK OF WALK	RP	RADIUS POINT
ECR	END OF CURB RETURN	RR	RAILROAD
EL	ELEVATION	RT	RIGHT
EG	EXISTING GROUND	RWL	RAIN WATER LEADER
EP	EDGE - EXISTING PAVEMENT	SD	STORM DRAIN
ESMT	EASEMENT	SS	SANITARY SEWER
E.W.	EACH WAY	SL	STREET LIGHT
EX	EXISTING	SW	SIDEWALK
FDG	FIRE DEPARTMENT CONNECTION	SCMH	STORM DRAIN MAINTENANCE HOLE
FG	FINISHED GRADE	SH	SHEET
FL	FLOWLINE	SMW	PLEASANT HILL WATER COMPANY
FH	FIRE HYDRANT	SMWH	SANITARY SEWER MAINTENANCE HOLE
FOC	FACE OF CURB	STA	STATION
FT	FEET	STD	STANDARD
G	GROUND	TC	TOP OF CURB
GB	GRADE BREAK	TOW	TOP OF WALL
HP	HIGH POINT	THRU	THROUGH
ID	INSIDE DIAMETER	TI	TRAFFIC INDEX
IN.	INCH	TYP	TYPICAL
IQR	INSPECTOR ON RECORD	VERT	VERTICAL
LH	LINEAL FEET	W	WATER
LHP	LAMP POLE	WP	WEAKENED PLANE
LP	LOW POINT	(W)	WEST
LT	LEFT	(E)	EAST
LTBS	LIME TREATED SUB-BASE	(S)	SOUTH
MAX	MAXIMUM	(N)	NORTH
MH	MAINTENANCE HOLE	±	PLUS OR MINUS
MD	MERCED IRRIGATION DISTRICT		
MIN	MINIMUM		

LEGEND

EXISTING	PROPOSED
11.93EC	11.93C
CONCRETE ELEVATION	CONCRETE ELEVATION
11.93ETC	11.93TC
TOP OF CURB ELEVATION	TOP OF CURB ELEVATION
11.43EC	11.43C
CONCRETE ELEVATION	CONCRETE ELEVATION
12.05EP	12.05P
PAVEMENT ELEVATION	PAVEMENT ELEVATION
11.93ETC	11.93TC
TOP OF CURB ELEVATION	TOP OF CURB ELEVATION
11.43EFL	11.43FL
FLOW LINE ELEVATION	FLOW LINE ELEVATION
12.05EFL	12.05FL
TOP OF WALL ELEVATION	TOP OF WALL ELEVATION
12.05TW	12.05TW
GRADE ELEVATION	GRADE ELEVATION
11.55G	11.55G
GRADE ELEVATION	GRADE ELEVATION
12.05EG	12.05EG
BASEROCK ELEVATION	BASEROCK ELEVATION
12.05TC	12.05TC
TOP OF CURB ELEVATION	TOP OF CURB ELEVATION
11.30BR	11.30BR
BASEROCK ELEVATION	BASEROCK ELEVATION
12.05TC	12.05TC
TOP OF CURB ELEVATION	TOP OF CURB ELEVATION
11.55P	11.55P
PAVEMENT ELEVATION	PAVEMENT ELEVATION
50.0	50.0
GROUND CONTOUR	GROUND CONTOUR
---	---
PROPERTY & R/W LINE	PROPERTY & R/W LINE
---	---
EASEMENT	EASEMENT
---	---
SANITARY SEWER LINE	SANITARY SEWER LINE
---	---
STORM DRAIN LINE	STORM DRAIN LINE
---	---
WATER LINE	WATER LINE
---	---
FIRE HYDRANT SERVICE LINE	FIRE HYDRANT SERVICE LINE
---	---
ELECTRICAL LINE	ELECTRICAL LINE
---	---
GAS LINE	GAS LINE
---	---
TELECOMMUNICATION LINE	TELECOMMUNICATION LINE
---	---
JOINT TRENCH	JOINT TRENCH
---	---
CATCH BASIN	CATCH BASIN
---	---
STORM DRAIN INLET	STORM DRAIN INLET
---	---
UTILITY CLEANOUT	UTILITY CLEANOUT
---	---
GATE VALVE	GATE VALVE
---	---
SITE LIGHT	SITE LIGHT
---	---
WOOD FENCE	WOOD FENCE
---	---
CHAIN LINK FENCE	CHAIN LINK FENCE
---	---
BARBED WIRE FENCE	BARBED WIRE FENCE
---	---
FIRE HYDRANT	FIRE HYDRANT
---	---
UTILITY POLE	UTILITY POLE
---	---
ANCHOR GUY	ANCHOR GUY
---	---
SIGN	SIGN
---	---
BOLLARD	BOLLARD
---	---
TREE	TREE
---	---
BACKFLOW PREVENTER	BACKFLOW PREVENTER
---	---
ELECTRICAL BOX	ELECTRICAL BOX
---	---
WATER METER	WATER METER
---	---
GAS VALVE	GAS VALVE
---	---
MAINTENANCE HOLE	MAINTENANCE HOLE
---	---

SITE ACCESSIBILITY GENERAL NOTES

WALKING SURFACES

1. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48. EXCEPTION: THE RUNNING SLOPE OF SIDEWALKS SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET OR HIGHWAY. (11B-403.3).
2. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT. CHANGES IN LEVEL SHALL COMPLY WITH SECTION 11B-403.3.
3. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MAX. SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MIN. AND 1/2 INCH HIGH MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2 INCH HIGH SHALL BE RAISED, AND SHALL COMPLY WITH SECTION 11B-403.4 OR 11B-406. (11B-403.2, 11B-403.3, 11B-403.4).
4. ABRUPT CHANGES IN LEVEL EXCEEDING 4" OTHER PEDESTRIAN WAYS AND ADJACENT SURFACES OR FEATURES SHALL BE IDENTIFIED BY WARNING CURBS AT 8 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE. (11B-403.5)
5. EXCEPT AS PROVIDED IN SECTIONS 11B-403.5.2 AND 11B-403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MIN. EXCEPTIONS:
- A) THE CLEAR WIDTH SHALL BE REDUCED TO 32 INCHES MIN. FOR A LENGTH OF 24 INCHES MAX. PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MIN AND 36 INCHES WIDE MIN.
- B) THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MIN.
- C) THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MIN.
- D) THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MIN IF SERVING ELEMENTS ON ONLY ONE SIDE AND 44 INCHES MIN IF SERVING ELEMENTS ON BOTH SIDES.
6. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAX. PASSING SPACES SHALL BE EITHER A SPACE 60 INCHES MIN. BY 60 INCHES MIN. OR AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE WHERE THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES MIN. BEYOND THE INTERSECTION. (11B-403.5.3)
7. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE RESTING AREAS 60 INCHES IN LENGTH AT INTERVALS OF 400 FEET MAX. THE REST SHALL BE AT LEAST AS WIDE AS THE WALK. THE SLOPE OF THE RESTING AREA IN ALL DIRECTIONS SHALL BE 1:48 MAX. (11B-403.7)
8. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER. ELONGATED OPENING SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. (11B-403.3)
9. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, LEVEL CUT/NO CUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH MAX. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. (11B-302.2)

CURB RAMPS

CURB RAMP IS DEFINED AS "A SLOPING PEDESTRIAN WAY, INTENDED FOR PEDESTRIAN TRAFFIC, WHICH PROVIDES ACCESS BETWEEN A WALK OR SIDEWALK AND A SURFACE LOCATED ABOVE OR BELOW AN ADJACENT CURB FACE." (202)

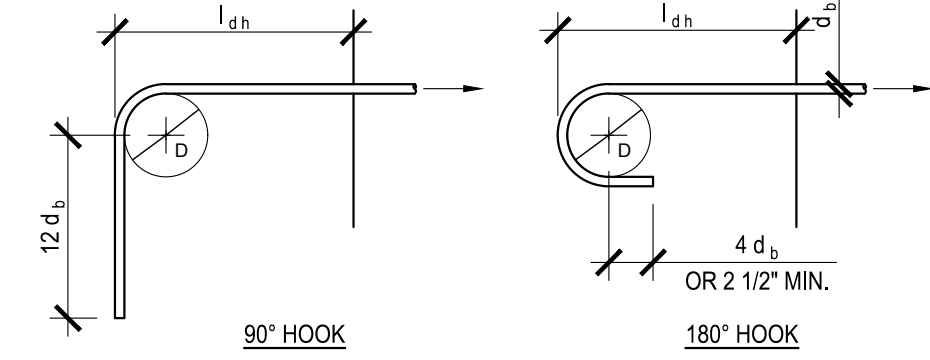
1. CURB RAMPS MAY BE PERPENDICULAR, PARALLEL, OR A COMBINATION OF PERPENDICULAR AND PARALLEL. RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10. (11B-406.1, 11B-406.2).
2. THE RUNNING SLOPE OF PARALLEL CURB RAMP SEGMENTS SHALL BE IN-LINE WITH THE DIRECTION OF THE SIDEWALK TRAVEL. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. A TURNING SPACE 48 INCHES MIN. SHALL BE PROVIDED AT THE BOTTOM OF THE CURB RAMP. THE SLOPE OF THE TURNING SPACE IN ALL DIRECTIONS SHALL BE 1:48 MAX. (11B-406.3)
3. BLENDED TRANSITIONS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:20.(11B-406.4)
4. THE CURB RAMPS AND THE FLARED SIDES SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO THE VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESSIBLES. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES. (11B-406.5.1).
5. THE CLEAR WIDTH OF CURB RAMP RUNS (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 48 INCHES MIN. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS AND BLENDED TRANSITIONS. THE LANDINGS CLEAR LENGTH SHALL BE 48 INCHES MIN. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP EXCLUDING ANY FLARED SIDES OR THE BLENDED TRANSITION LEADING TO THE LANDINGS. THE SLOPE OF THE LANDINGS IN ALL DIRECTIONS SHALL BE 1:48 MAX. (11B-406.5.2, 11B-406.5.3)
6. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24 INCHES OF THE RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL. (11B-11B-406.5.5).
7. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48 INCHES MIN. OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24 INCHES LONG MIN. LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING. (11B-406.5.6, 11B-11B-406.5.10).
8. CURB RAMPS SHALL HAVE A GROOVED BORDER 12 INCHES WIDE ALONG THE TOP OF THE CURB RAMP AT THE LEVEL SURFACE OF THE TOP OF LANDINGS AND AT THE OUTSIDE EDGES OF THE FLARED SIDES. AT PARALLEL CURB RAMPS THE GROOVED BORDER SHALL BE ON THE UPPER APPROACH IMMEDIATELY.

SITE DEVELOPMENT & ACCESSIBLE ROUTE OF TRAVEL

1. ACCESSIBLE ROUTE OF TRAVEL IS DEFINED AS "A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES ON AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES, AND THAT IS CONSISTENT WITH THE DEFINITION OF "PATH OF TRAVEL". (202)
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE SHALL FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, PUBLIC STREETS AND SIDEWALKS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE. WHERE MORE THAN ONE ROUTE IS PROVIDED ALL ROUTES MUST BE ACCESSIBLE. (11B-206.2)
3. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES ACCESSIBLE ELEMENTS AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. (11B-206.2.2)
4. ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS GENERAL CIRCULATION PATHS. AN ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS OR OTHER SPACES USED FOR SIMILAR PURPOSES, EXCEPT AS PERMITTED BY CHAPTER 10 (11B-206.3)
5. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY. (11B-206.2.4)

UNDERGROUND SERVICE ALERT CONTACT

1. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST TWO WORKING DAYS NOT INCLUDING THE DATE OF NOTIFICATION BEFORE DIGGING. UNDERGROUND SERVICE ALERT MAY BE CONTACTED AT 800-422-4133.



STANDARD HOOK

NTS

BAR SIZE	CONCRETE f'c=3000 PSI				CONCRETE f'c=3500 PSI				CONCRETE f'c=4000 PSI				CONCRETE f'c=5000 PSI			
	TENSION LAP		TENSION		TENSION LAP		TENSION		TENSION LAP		TENSION		TENSION LAP		TENSION	
	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT	SPLICE	DEVELOPMENT
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	30	23	23	17	28	21	21	16	26	20	20	15	23	17	17	13
#4	38	29	29	22	37	28	28	21	33	25	25	19	30	23	23	17
#5	49	37	37	28	45	34	34	26	42	32	32	24	38	29	29	22
#6	56	43	43	33	54	41	41	31	50	38	38	29	45	34	34	26
#7	82	63	63	48	77	59	59	45	72	55	55	42	65	50	50	38
#8	94	72	72	55	88	67	67	51	82	63	63	48	73	56	56	43

NOTES:

1. SPLICE AND DEVELOPMENT LENGTHS ARE GIVEN IN INCHES ASSUMING NORMAL WEIGHT CONCRETE AND GRADE 60 REINFORCING.
2. LAP SPLICE AND DEVELOPMENT LENGTHS BASED ON ACI 25.4.2.2, ASSUMING A MINIMUM CLEAR SPACING 2DB, AND MINIMUM CLEAR COVER OF 1DB.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW.
4. LAP SPLICES SHALL NOT BE PLACED WITHIN JOINTS, OR WITHIN A DISTANCE OF TWICE THE BEAM DEPTH FROM THE FACE OF THE JOINT.
5. MECHANICAL SPLICE SHALL BE DAYTON BAR-LOCK COUPLER OR APPROVED EQUAL CAPABLE OF DEVELOPING 125% OF REBAR TENSILE STRENGTH.
6. WHERE LIGHT WEIGHT CONCRETE IS USED INCREASE TENSION LAP AND DEVELOPMENT LENGTHS BY 33%.
7. WHERE EPOXY COATED OR ZINC COATED BARS ARE USED INCREASE TENSION LAP AND DEVELOPMENT BY 50%.
8. LAP SPLICE AND DEVELOPMENT LENGTHS FOR BUNDLED BARS SHALL BE INCREASED BY 20% FOR 3-BAR BUNDLE, AND 33% FOR A 4-BAR BUNDLE.

REINFORCING STEEL TENSION DEVELOPMENT & LAP SPLICE

NTS

DSA APPROVAL STAMP



DLR Group  
220 Montgomery Street, Suite 500 San Francisco, CA 94104



DSA APP: 01-119997  
DSA FILE: 07-021

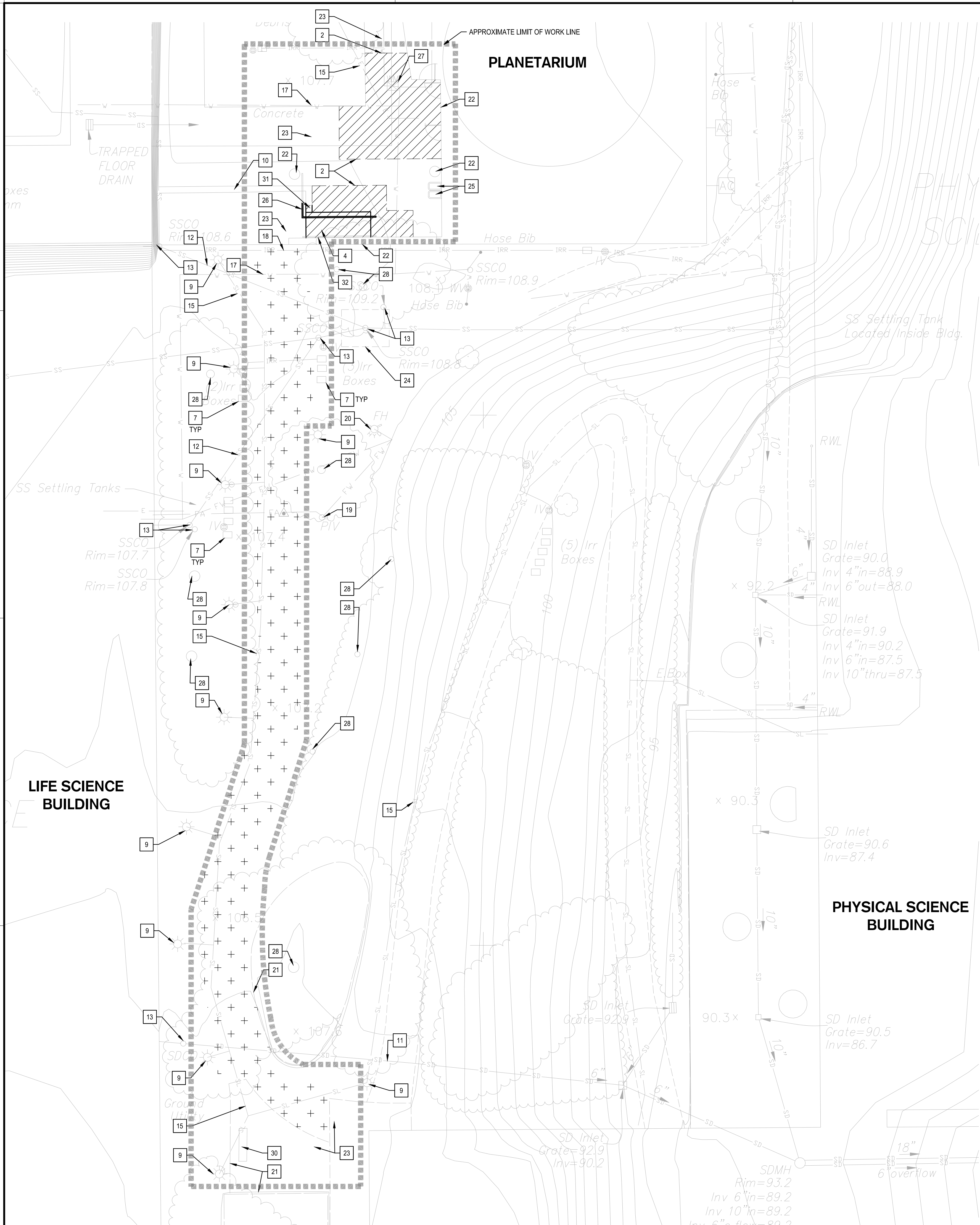
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COCOD - Diablo Valley College  
501 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

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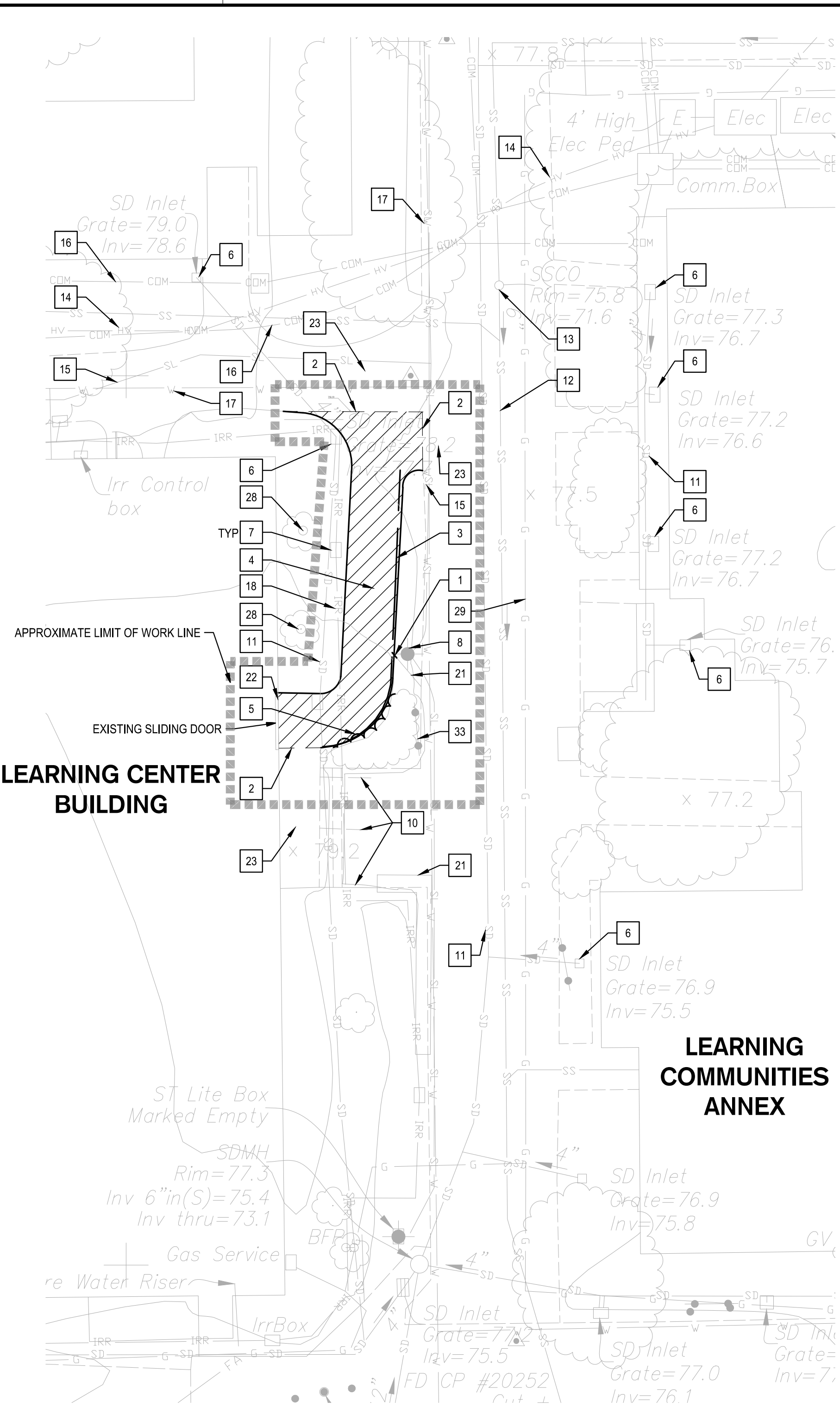
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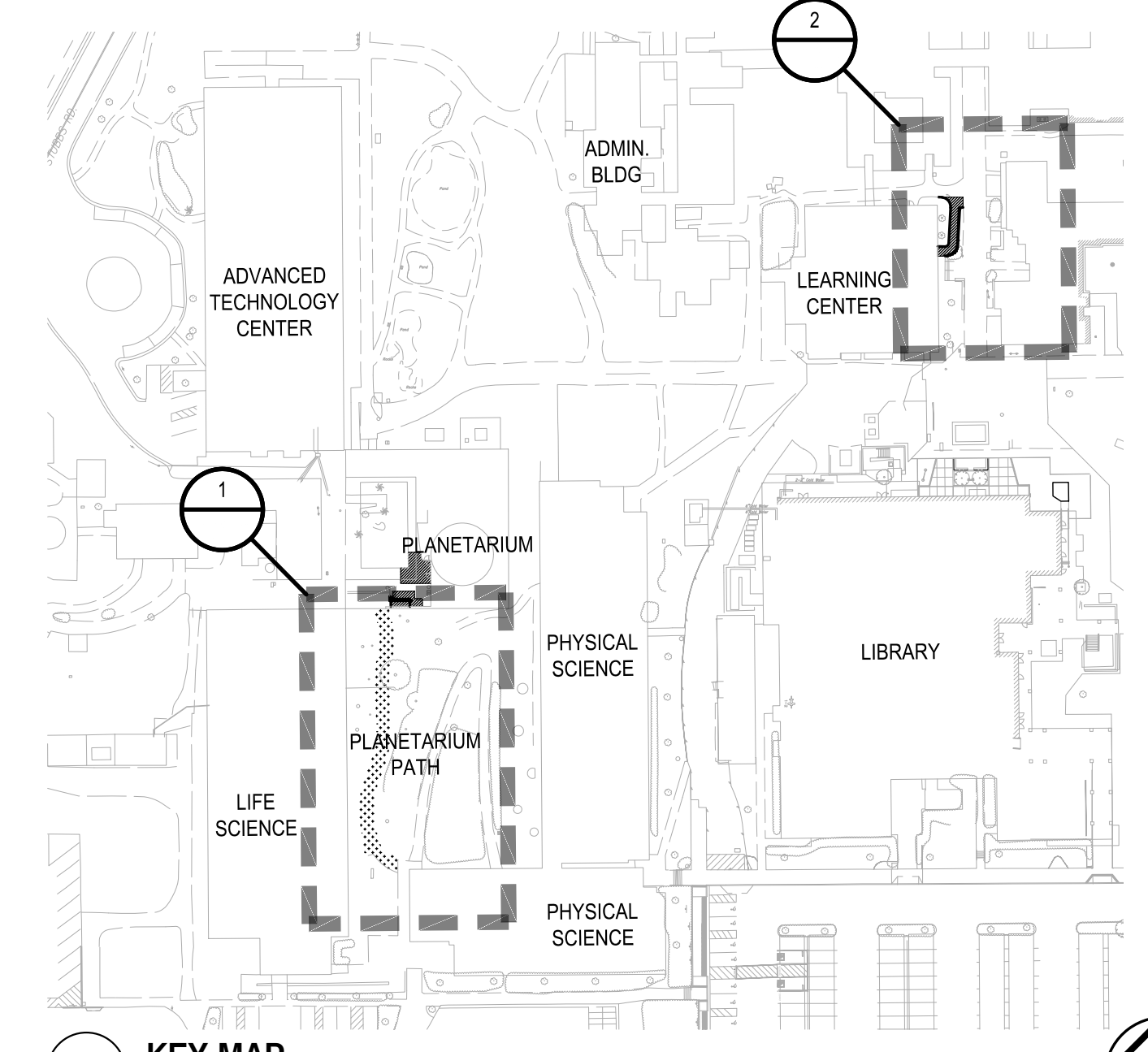
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1 PLANETARIUM PATH  
1"=10'



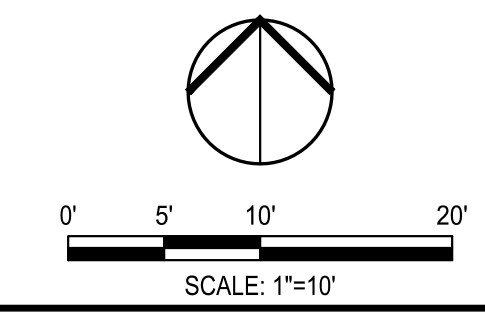
2 LEARNING CENTER PATH  
1"=10'



3 KEY MAP  
1"=100'

NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

- LEGEND**
- REMOVE AND DISPOSE OF EXISTING CONCRETE. REMOVAL SHALL BE PERFORMED AT THE NEAREST RELIEF JOINT, AT EACH END OF THE PROPOSED WORK. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS.
  - CLEAR AND GRUB AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. REMOVE AND DISPOSE OF MATERIAL OFF CAMPUS.
  - LIMIT OF WORK LINE
  - EXISTING CONTOUR
- NOTES**
- TAG ALL TREES AND APPROVE WITH DISTRICT PRIOR TO REMOVAL. COORDINATE A SITE WALK WITH DISTRICT SHALL ALSO VERIFY TREES TO REMAIN IN PLACE.
  - NO ROUGH GRADING SHALL OCCUR WITHIN THE EXISTING TREE DRIP LINE.
  - ALL EXCAVATIONS SPOILS, INCLUDING, BUT NOT LIMITED TO CONCRETE AND PAVEMENT EXCAVATION, SHALL BE EXPORTED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY OF THE EXISTING UTILITIES, INCLUDING, BUT NOT LIMITED TO UTILITY BOXES, THAT ARE FOUND TO BE BROKEN, CRACKED, OR OTHERWISE DAMAGED.
  - ALL UTILITY BOXES AND MAINTENANCE HOLES SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE, UNLESS OTHERWISE NOTED.
  - CLEAR AND GRUB SITE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, TO EXTEND TO LIMIT OF PROPOSED IMPROVEMENTS.
  - CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT MINIMUM TWO WORKING DAYS BEFORE ANY DEMOLITION.
- KEY NOTES**
- REMOVE EXISTING WALL AS NEEDED FOR PROPOSED ACCESSIBLE RAMP. WALL SHALL TERMINATE INTO THE NEW RAMP. SEE SHEET C3.0 FOR MORE INFORMATION.
  - SAWCUT TO A NEAT, CLEAN LINE OR REMOVE AT NEAREST RELIEF JOINT
  - REMOVE AND DISPOSE EXISTING RAMP HANDRAIL TO EXISTING STAIRS HANDRAIL.
  - REMOVE AND DISPOSE EXISTING CONCRETE RAMP
  - REMOVE AND DISPOSE OF LANDSCAPING/SHRUBS AS NECESSARY TO ACCOMMODATE NEW RAMP
  - PROTECT IN PLACE EXISTING STORM DRAIN INLET
  - PROTECT IN PLACE EXISTING IRRIGATION BOX
  - PROTECT IN PLACE EXISTING LIGHT POLE
  - PROTECT IN PLACE EXISTING LIGHT BOLLARD
  - PROTECT IN PLACE EXISTING STAIRS AND STAIR HANDRAILS
  - PROTECT IN PLACE EXISTING STORM DRAIN LINE
  - PROTECT IN PLACE EXISTING SANITARY SEWER LINE
  - PROTECT IN PLACE EXISTING CLEANOUT
  - PROTECT IN PLACE EXISTING HIGH VOLTAGE ELECTRICAL LINE
  - PROTECT IN PLACE EXISTING ELECTRICAL LINE
  - PROTECT IN PLACE EXISTING COMMUNICATION LINE
  - PROTECT IN PLACE EXISTING WATER LINE
  - PROTECT IN PLACE EXISTING IRRIGATION WATER LINE
  - PROTECT IN PLACE EXISTING POST INDICATOR VALVE
  - PROTECT IN PLACE EXISTING FIRE HYDRANT
  - PROTECT IN PLACE EXISTING WALL
  - PROTECT IN PLACE EXISTING BUILDING AND FOUNDATION
  - PROTECT IN PLACE EXISTING CONCRETE PAVEMENT
  - PROTECT IN PLACE EXISTING UNDERGROUND TANK
  - PROTECT IN PLACE EXISTING DRINKING FOUNTAIN
  - REMOVE AND DISPOSE OF EXISTING HANDRAIL AS NECESSARY TO ACCOMMODATE PROPOSED RAMP AND HANDRAILS
  - PROTECT IN PLACE EXISTING WATER BOX
  - PROTECT IN PLACE EXISTING TREE
  - PROTECT IN PLACE EXISTING GAS LINE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE WORKING NEAR THE GAS LINE.
  - PROTECT IN PLACE EXISTING BENCH
  - REMOVE AND DISPOSE OF EXISTING STAIRS AS NECESSARY TO ACCOMMODATE PROPOSED RAMP AND HANDRAILS
  - PROTECT IN PLACE EXISTING RAMP HANDRAIL. SEE SHEET C3.0 FOR MORE INFORMATION.
  - PROTECT IN PLACE EXISTING SIGN



DSA APPROVAL STAMP

REGISTERED PROFESSIONAL ENGINEER  
NOT FOR CONSTRUCTION  
DATE SIGNED: 03/25/22

**DLR Group**  
225 Montgomery Street, Suite 350 San Francisco, CA 94104  
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**SIEGFRIED**  
111 Main St., Suite 300, Pleasant Hill, CA 94523  
408-764-2021 www.siegfriedeng.com

DSA APP: 01-119997  
DSA FILE: 07-21

**DVC - Print Shop, Student Success, & Health Services Renovation**  
COCOD - Diablo Valley College  
521 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

**BID SET**  
03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER: 75-21809-00  
SIEGFRIED PROJECT NUMBER: 21325

**TOPOGRAPHIC & DEMOLITION PLAN**

**C2.0**



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LIFE SCIENCE BUILDING

PLANETARIUM

PHY  
SCI

PHYSICAL SCIENCE BUILDING

LEARNING CENTER BUILDING

LEARNING COMMUNITIES ANNEX

1 PLANETARIUM PATH  
1"=10'

2 LEARNING CENTER PATH  
1"=10'

3 KEY MAP  
1"=100'

PAVING AND DIMENSION NOTES

1. THICKENED EDGE PER DETAIL 3 ON SHEET C5.0 TO BE LOCATED AT ALL TRANSITIONS TO UNPAVED AREAS.

LEGEND

PEDESTRIAN CONCRETE PAVING  
4" 3,000 PSI P.C.C. W/ #4 @ 24" O.C. OVER 4" CLASS II AGGREGATE BASE OVER 6" SUBGRADE PREPARED PER THE PROJECT GEOTECHNICAL REPORT. CONCRETE JOINTS PER DETAIL 2 ON SHEET C5.0

LANDSCAPE  
REPLACE DAMAGED AND/OR REMOVED LANDSCAPE PLANTING AND IRRIGATION IN KIND

KEY NOTES

- 1 SAWCUT TO NEAT, CLEAN LINE, OR AT NEAREST RELIEF JOINT
- 2 INSTALL ACCESSIBLE RAMP WITH HANDRAILS PER DETAIL 7 ON SHEET C5.0
- 3 1" LEVEL HANDRAIL EXTENSION
- 4 EXISTING HANDRAIL TO REMAIN. CONTRACTOR SHALL VERIFY EXISTING HANDRAIL MAY REMAIN WITH NEW RAMP TO MEET REQUIREMENTS PER CBC 11B-505. MIN. 1" LEVEL EXTENSION SHALL BE MEASURED FROM THE GRADE BREAK AT TOP AND BOTTOM LANDINGS OF RAMP.
- 5 RECONNECT HANDRAIL TO EXISTING STAIR HANDRAIL

DSA APPROVAL STAMP



DATE SIGNED: 03/25/22

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DSA APP: 01-119997  
DSA FILE: 07-01

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PLEASANT HILL, CA 94523

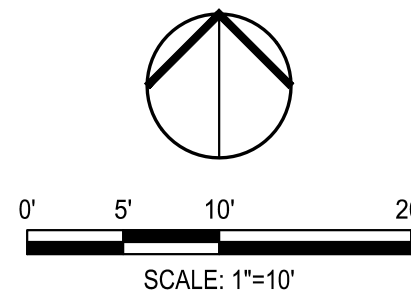
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Revisions

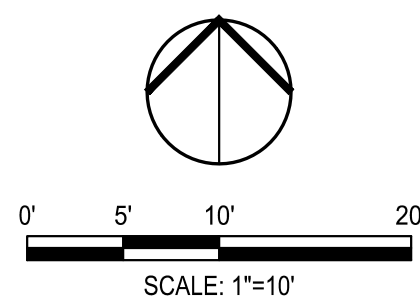
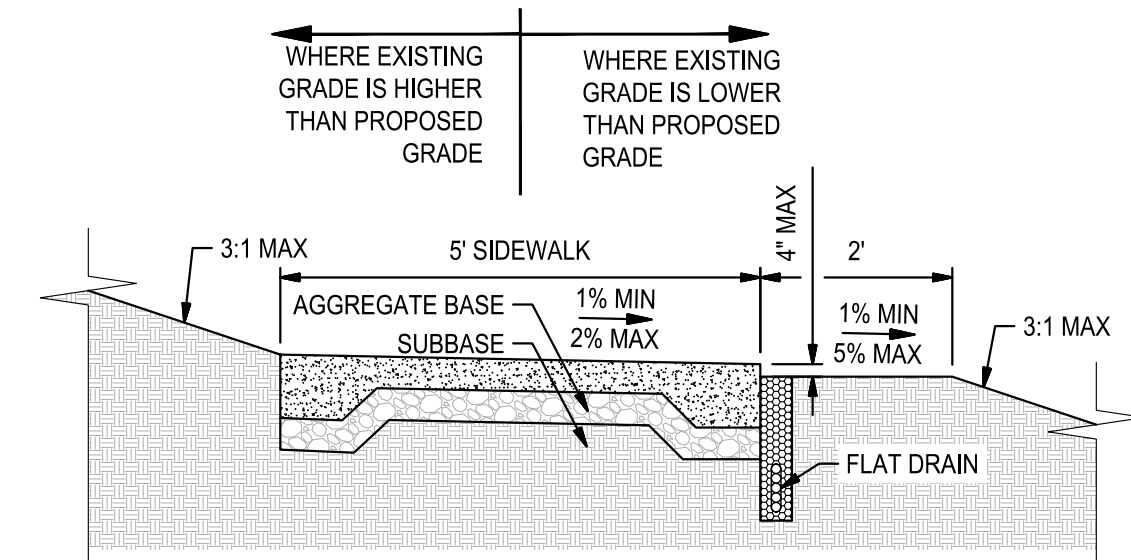
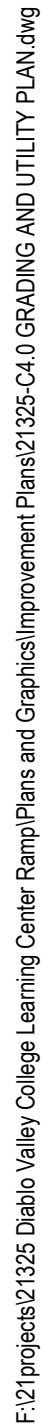
DLR GROUP PROJECT NUMBER: 75-21809-00  
SIEGFRIED PROJECT NUMBER: 21325

PAVING & DIMENSIONING PLAN

C3.0







1	2% MAX SLOPE, ALL DIRECTIONS
2	5% MAX SLOPE IN DIRECTION OF TRAVEL, 2% MAX CROSS SLOPE
3	ACCESSIBLE RAMP: 8.33% MAX SLOPE IN THE DIRECTION OF TRAVEL, 2% MAX CROSS SLOPE
4	ADJUST STRUCTURE/BOX TO GRADE
5	INSTALL FLAT DRAIN PER DETAIL, 4 ON SHEET C5.0
6	INSTALL AREA DRAIN PER DETAIL, 8 ON SHEET C5.0
7	INTERCEPT EXISTING STORM DRAIN LINE AND MAKE CONNECTION. CONTRACTOR TO VERIFY LOCATION AND INVERT OF STORM DRAIN LINE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF CONFLICTS OR TRANSITION FROM FLAT DRAIN TO 4" STORM DRAIN 24" PRIOR TO CONNECTION TO AREA DRAIN

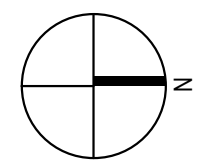
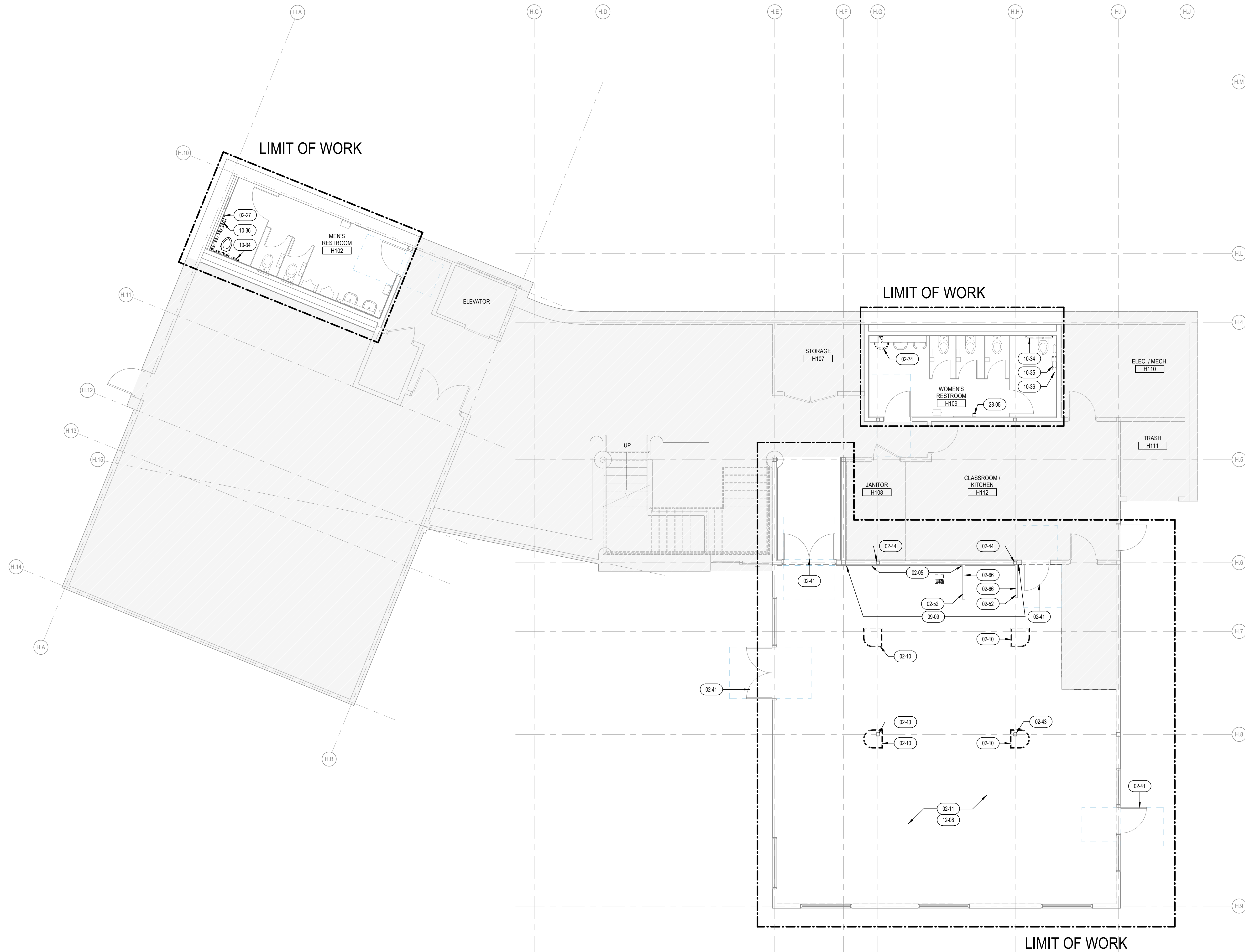
## C4.0







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1 STUDENT UNION BLDG - DEMOLITION PLAN - LEVEL 1  
AD1.10 SCALE: 3/16" = 1'-0"

## LEGEND AND NOTES

### DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERBOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE GYPSUM WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT GYP FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
- RELOCATE EXISTING WIRED DEVICES ALONG A DEMOLISHED WALL, INCLUDING BUT NOT LIMITED TO FIRE ALARM PULL STATIONS, FIRE ALARM STROBES, EMERGENCY NOTIFICATION SYSTEMS, CAMPUS NOTIFICATION SYSTEMS, THERMOSTATS AND EXIT SIGNS. TO ADJACENT WALLS AND VERIFY FUNCTIONALITY. VERIFY DEVICES AND LOCATIONS WITH OWNER AND ARCHITECT.

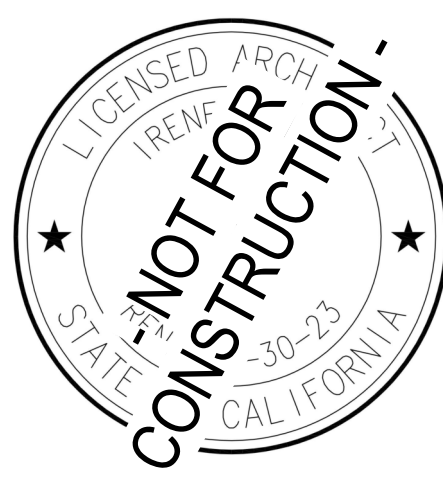
### REFERENCE KEYNOTES

- 02-05 REMOVE EXISTING MISCELLANEOUS WALL AND CEILING MOUNTED ATTACHMENTS TO ALLOW FOR A FLUSH AND SMOOTH CEILING AND WALL SURFACE
- 02-10 REMOVE EXISTING GYP WALL AND METAL/WOOD STUD FRAMING SHOWN AS DASHED. REMOVE ENTIRE WALL FROM FLOOR TO DECK. ANY ABOVE CEILING EQUIPMENT/CONDUIT SUPPORTED OR BRACED BY THE EXISTING WALL TO BE TRANSFERRED TO DECK/ADJACENT WALL. PRIOR TO COMMENCEMENT OF DEMO WORK CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY EXISTING STRUCTURAL SUPPORT OR BRACING CANNOT BE MAINTAINED. PATCH REPAIR AND PREP FLOOR TO RECEIVE NEW FINISH
- 02-11 REMOVE EXISTING TILE FLOORING AND WALL BASE. PATCH REPAIR AND PREP FLOOR TO RECEIVE NEW FINISH
- 02-27 REMOVE EXISTING WALL-MOUNTED PANEL
- 02-41 EXISTING DOOR TO REMAIN
- 02-43 EXISTING STEEL TUBE TO REMAIN
- 02-44 EXISTING COLUMN AND BRACING TO REMAIN
- 02-52 PATCH, REPAIR, CLEAN EXISTING WALLS, REMOVE WALL COVERINGS, AND PREP TO RECEIVE NEW FINISH. SEE FINISH PLANS AND SCHEDULE
- 02-66 EXISTING FRAMING TO REMAIN. FRAME NEW ADJACENT WALLS TO ALIGN FOR A FLUSH WALL FINISH
- 02-74 RELOCATE WALL-MOUNTED SINK SO THAT THE CENTERLINE OF THE FIXTURE IS 18" MIN FROM THE SIDE WALL
- 09-09 NEW INSTALLATION OF GYPSUM WALL BOARD AT EXISTING FRAMED WALL
- 10-34 RELOCATE EXISTING 36" REAR GRAB BAR TO BE 12" TOWARDS PARALLEL WALL FROM CENTERLINE OF WATER CLOSET AND 24" TOWARDS OPEN/TRANSFER SIDE FROM CENTERLINE OF WATER CLOSET. SEE DETAIL S/C3.01
- 10-35 RELOCATE TOILET PAPER DISPENSER 1 1/2" INCHES MIN BELOW GRAB BAR WITH CENTERLINE 8" FROM FRONT EDGE OF WATER CLOSET. LOCATE TOILET PAPER DISPENSER 18" AFF MIN. SEE DETAIL CP3.01
- 10-36 RELOCATE EXISTING 42" PARALLEL WALL GRAB BAR 12" ABSOLUTE FROM REAR WALL TO CENTERLINE OF ESCUTCHEON PLATE. SEE DETAIL S/C3.01
- 12-08 EXISTING FURNITURE TO REMAIN. PROTECT IN PLACE OR STORE PER OWNER'S INSTRUCTIONS.
- 28-05 EXISTING FIRE ALARM STROBE TO REMAIN

### DEMO PLAN/RCP LEGEND

- EXISTING TO REMAIN
- ELEMENTS TO DEMOLISH/REMOVE
- ADDITIONAL DEMOLITION AREAS
- NOT IN SCOPE
- LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING)
- FLOOR FINISH TO BE REMOVED

DSA APPROVAL STAMP



**DLR Group**

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DSA FILE: 07-C1

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Revisions

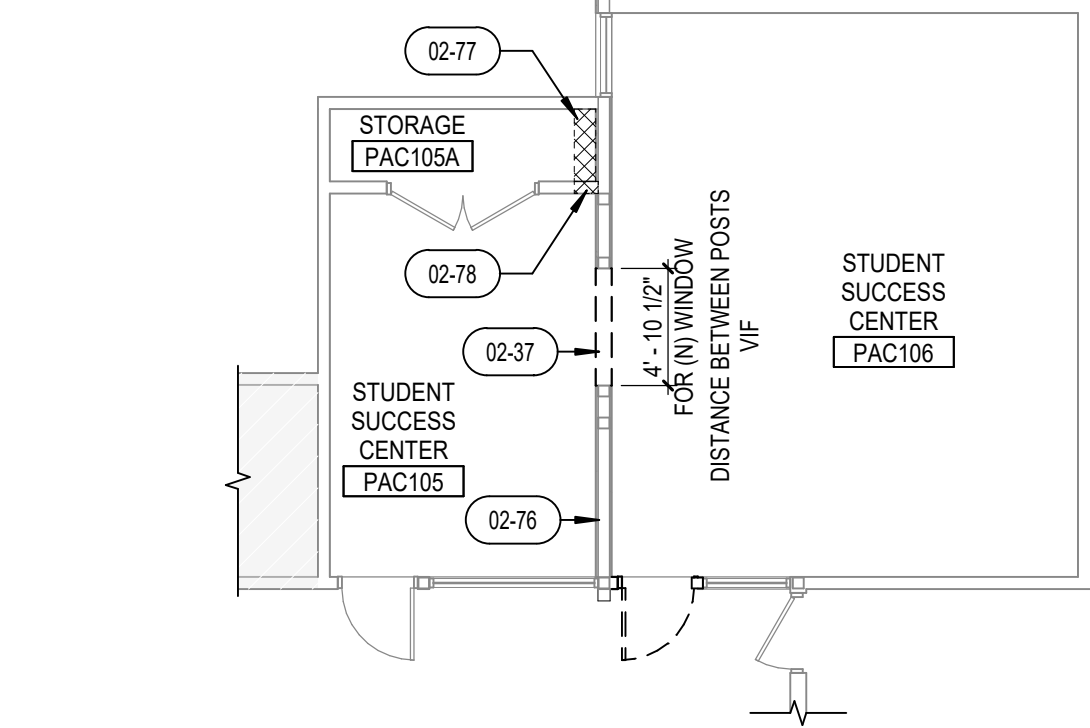
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75-21809-00

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 DEMOLITION PLAN

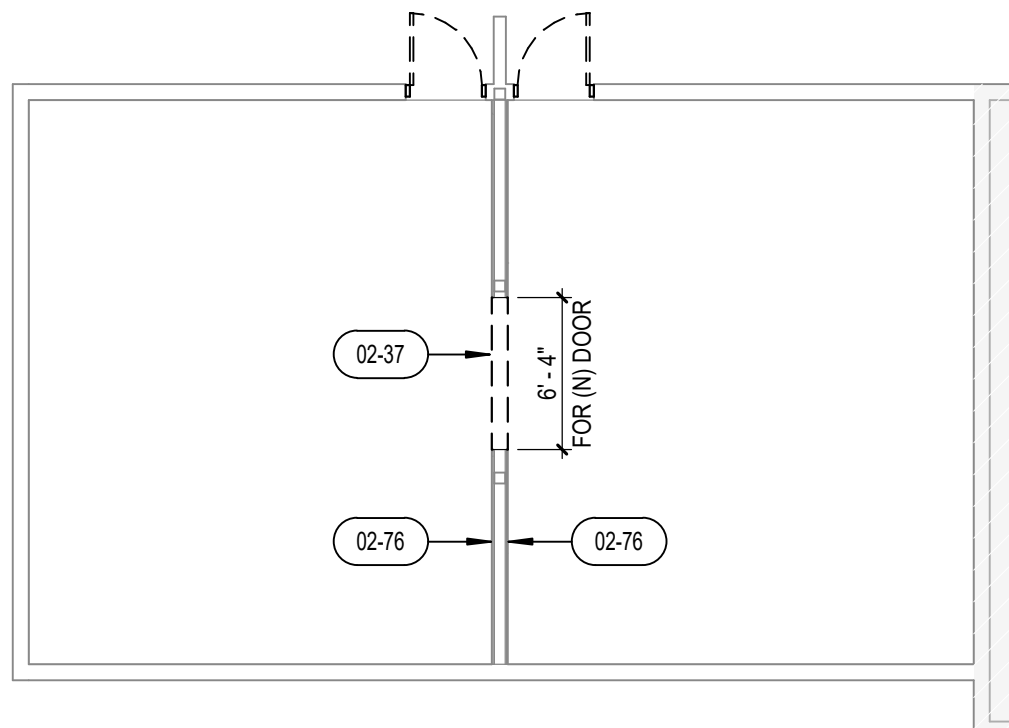
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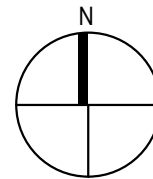
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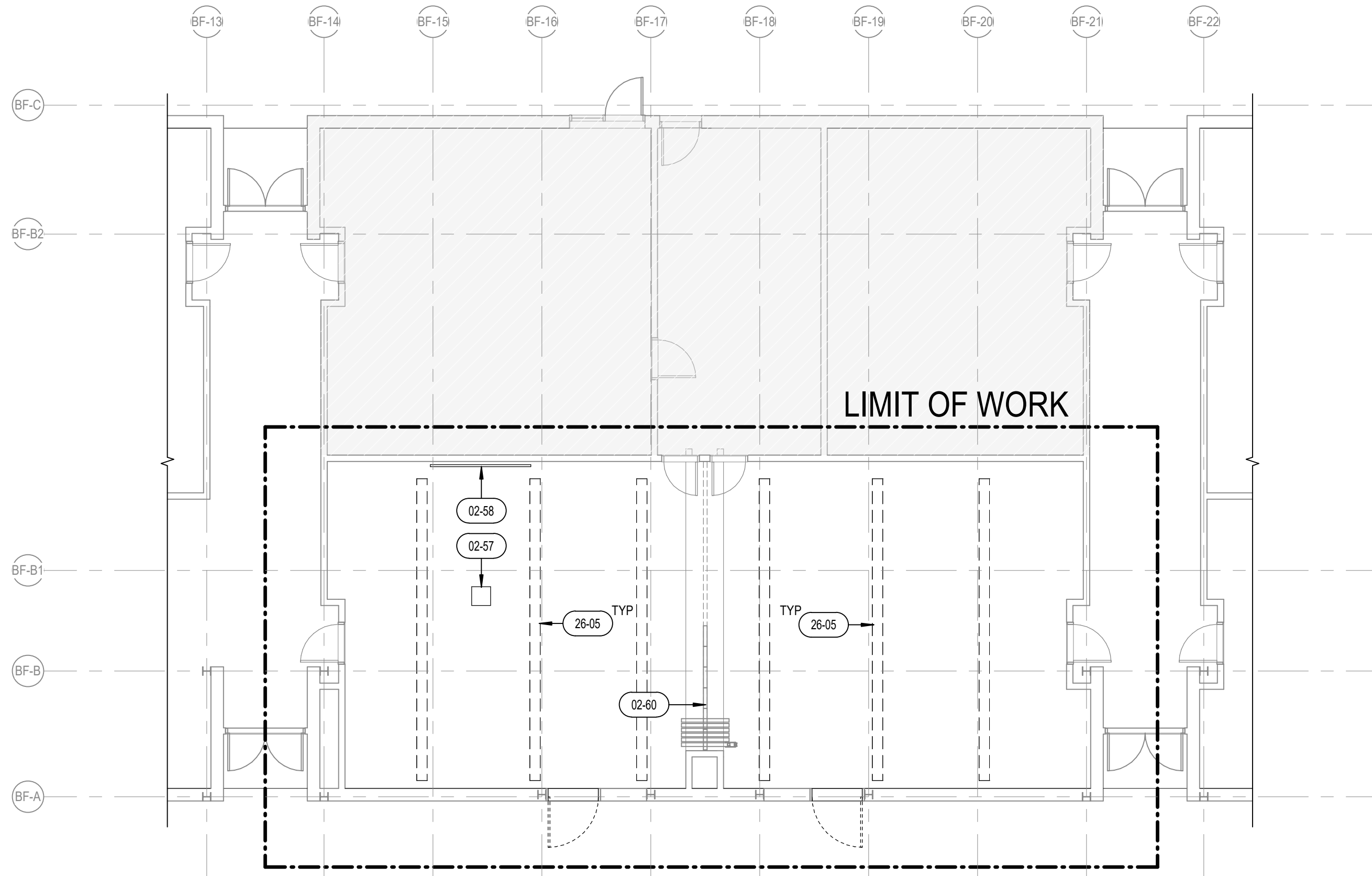
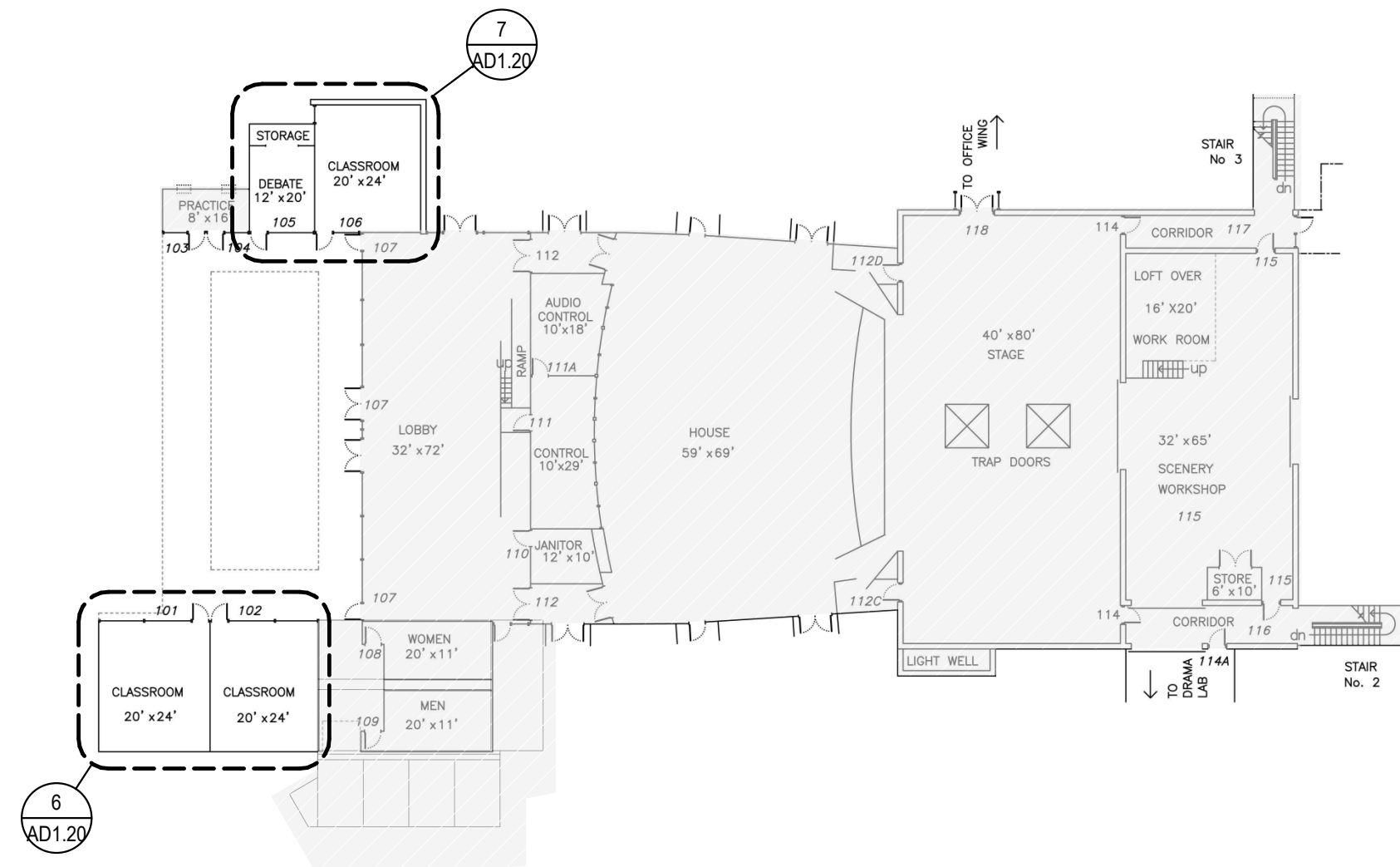
7 PAC - CLASSROOM 105 & 106 - ENLARGED DEMOLITION PLAN  
AD1.20 SCALE: 1/8" = 1'-0"



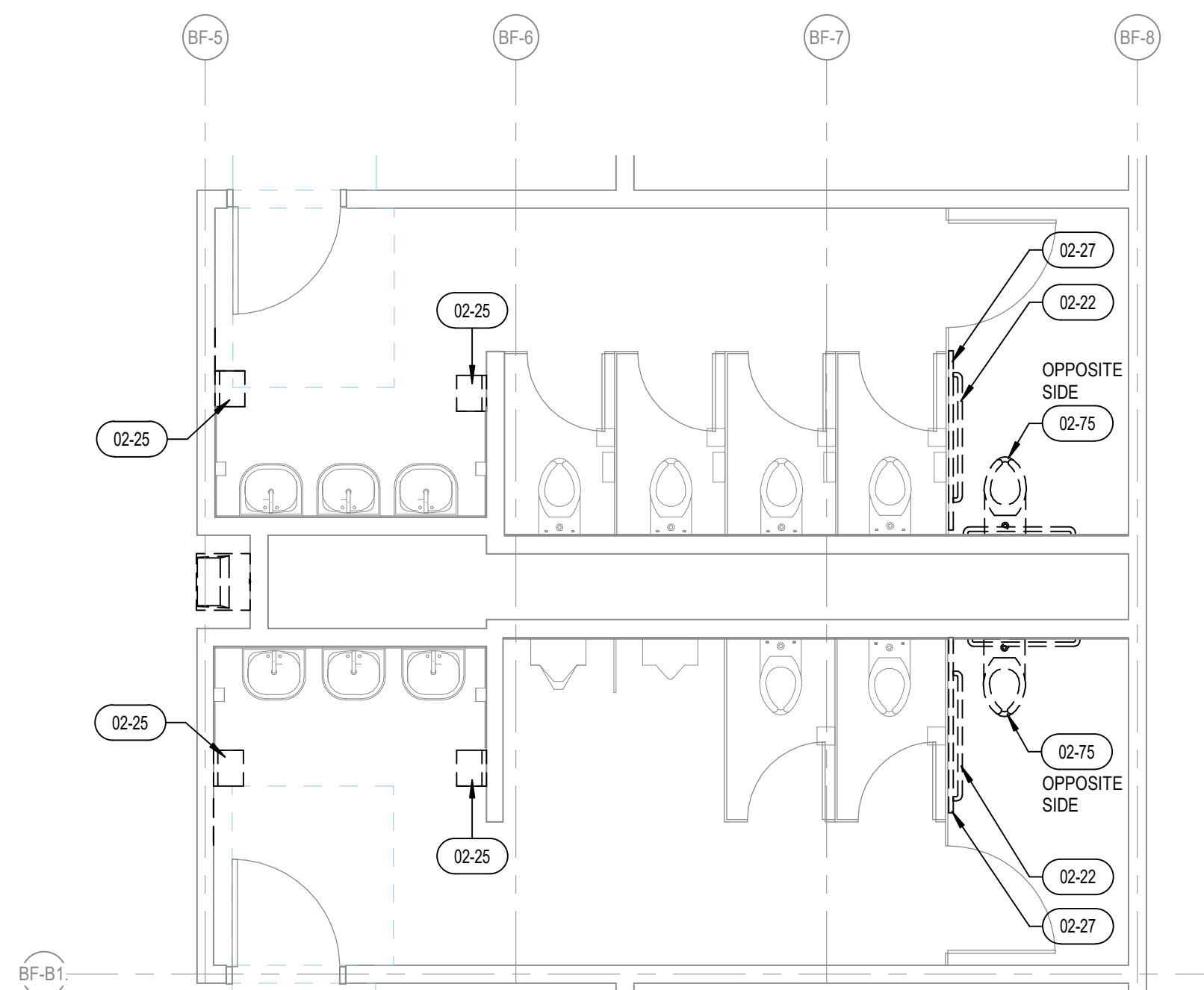
6 PAC - CLASSROOM 101 & 102 - ENLARGED DEMOLITION PLAN  
AD1.20 SCALE: 1/8" = 1'-0"



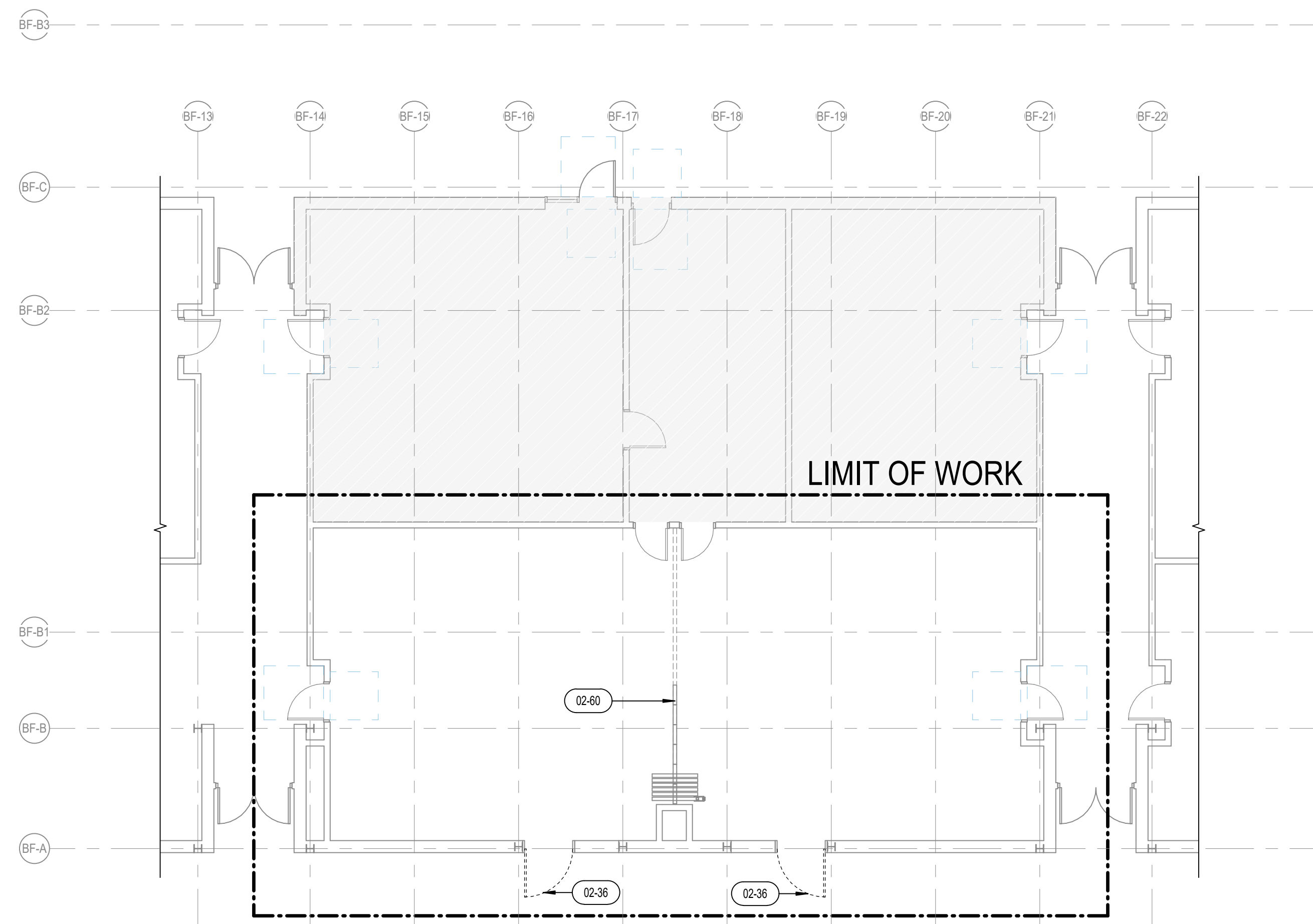
5 PERFORMING ARTS CENTER (PAC) - KEY PLAN - LEVEL 1  
AD1.20 NO SCALE



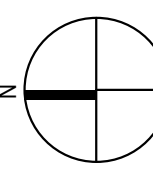
4 BUSINESS/FOREIGN LANGUAGE BLDG - COMPUTER LAB ENLARGED DEMOLITION CEILING PLAN  
AD1.20 SCALE: 1/8" = 1'-0"



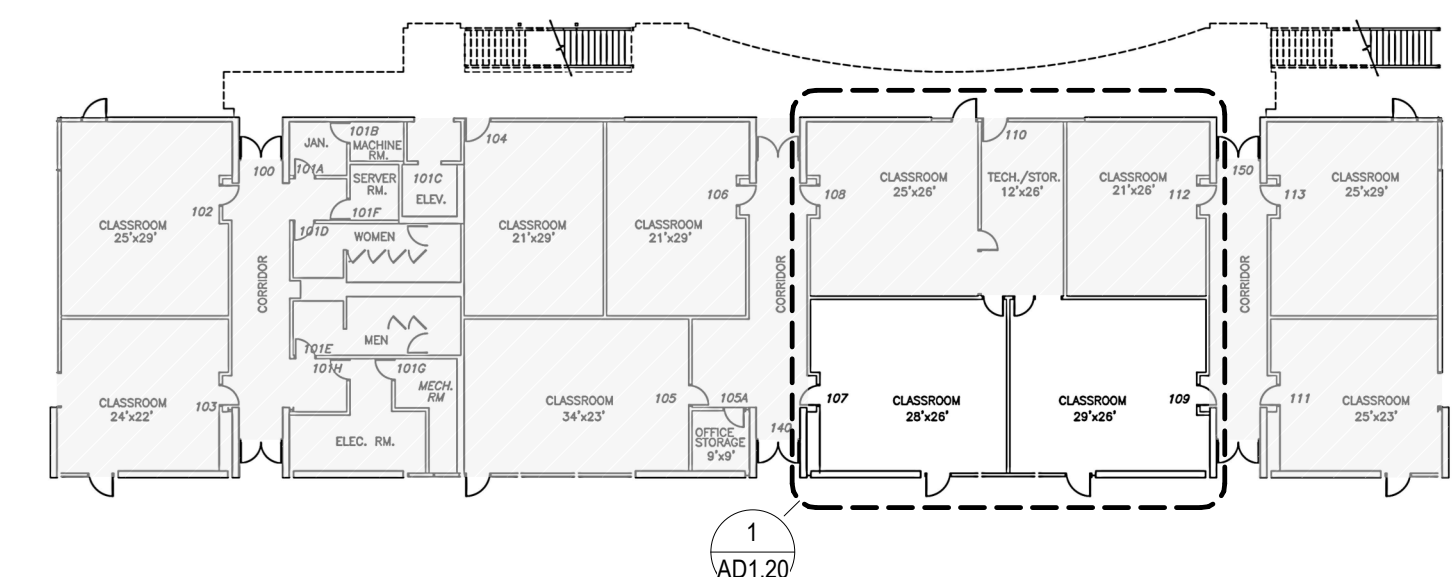
3 BUSINESS/FOREIGN LANGUAGE BLDG - RESTROOM ENLARGED DEMOLITION PLAN  
AD1.20 SCALE: 1/4" = 1'-0"



2 BUSINESS/FOREIGN LANGUAGE BLDG - COMPUTER LAB ENLARGED DEMOLITION PLAN  
AD1.20 SCALE: 1/8" = 1'-0"



1 BUSINESS/FOREIGN LANGUAGE BLDG - KEY PLAN - LEVEL 1  
AD1.20 NO SCALE



## LEGEND AND NOTES

### DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL, HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERBOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE CRYPSTAL WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT GYP FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
- RELOCATE EXISTING WIRED DEVICES ALONG A DEMOLISHED WALL, INCLUDING BUT NOT LIMITED TO FIRE ALARM PULL STATIONS, FIRE ALARM STROBES, EMERGENCY NOTIFICATION SYSTEMS, CAMPUS NOTIFICATION SYSTEMS, THERMOSTATS AND EXIT SIGNS, TO ADJACENT WALLS AND VERIFY FUNCTIONALITY. VERIFY DEVICES AND LOCATIONS WITH OWNER AND ARCHITECT.

### REFERENCE KEYNOTES

- 02-22 REMOVE EXISTING GRAB BARS, TOILET ACCESSORIES AND MOUNTING HARDWARE TO RELOCATE ACCORDING TO ADA STANDARDS. SEE RESTROOM PARTIAL PLANS, INTERIOR ELEVATIONS AND ACCESSIBILITY SHEETS
- 02-25 REMOVE EXISTING RESTROOM ACCESSORY TO REACH CODE COMPLIANCE
- 02-27 REMOVE EXISTING WALL MOUNTED PANEL
- 02-36 REMOVE EXISTING DOOR PANEL ONLY. PROTECT AND PREPARE STOREFRONT FRAMING TO RECEIVE NEW COMPATIBLE DOOR PANEL
- 02-37 REMOVE PORTION OF EXISTING WALL, INCLUDING BUT NOT LIMITED TO, FRAMING, FINISHES, IN-WALL UTILITIES FOR (N) OPENINGS. SEE PLAN AND INTERIOR ELEVATIONS FOR DIMENSIONS OF (N) OPENING. REROUTE ANY EXISTING UTILITIES TO OTHER PORTIONS OF THE WALL. PATCH AND REPAIR ADJACENT WALL AREA DAMAGED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING.
- 02-60 EXISTING MOVABLE PARTITION TO REMAIN, PROTECT IN PLACE
- 02-75 REPLACE WALL MOUNTED TOILET WITH NEW TOILET AND INSTALL SO THAT THE CENTERLINE OF THE FIXTURE IS 17"-18" FROM THE SIDE WALL OPPOSITE THE SIDE THE DOOR IS ON
- 02-76 REMOVE EXISTING PLYWOOD AND FINISHES ON THIS FACE OF WALL ONLY
- 02-77 REMOVE PORTION OF EXISTING LID OF ROOM FOR INSTALLATION OF NEW PLYWOOD (S.D.)
- 02-78 REMOVE SEGMENT OF EXISTING WALL FOR INSTALLATION OF NEW PLYWOOD (S.D.)

### DEMO PLAN/RCP LEGEND

- EXISTING TO REMAIN
- ELEMENTS TO DEMOLISH/REMOVE
- ADDITIONAL DEMOLITION AREAS
- NOT IN SCOPE
- LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING)
- FLOOR FINISH TO BE REMOVED

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DVC - Print Shop, Student Success, & Health Services Renovation

CCCCDD - Diablo Valley College  
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03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG AND  
PERFORMING ARTS CENTER-  
LEVEL 1 DEMOLITION PLAN

AD1.20



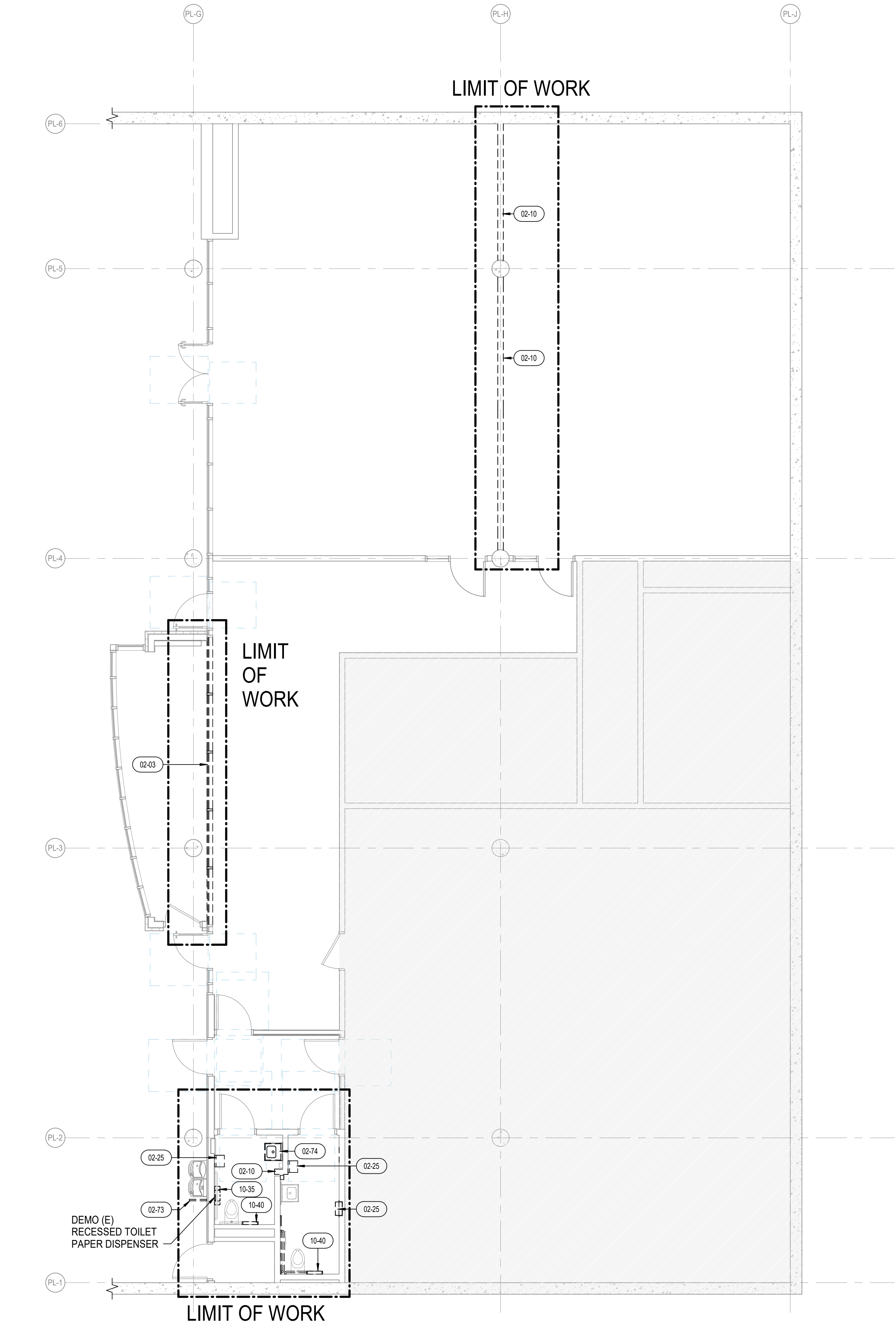


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SCALE:

## AD1.22



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1 PLANETARIUM - DEMOLITION FLOOR PLAN - LEVEL 1  
AD1.23 SCALE: 3/16" = 1'-0"

## LEGEND AND NOTES

### DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL. HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERBOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE CRYPSTUD WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT GYP FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
- RELOCATE EXISTING WIRED DEVICES ALONG A DEMOLISHED WALL, INCLUDING BUT NOT LIMITED TO FIRE ALARM PULL STATIONS, FIRE ALARM STROBES, EMERGENCY NOTIFICATION SYSTEMS, CAMPUS NOTIFICATION SYSTEMS, THERMOSTATS AND EXIT SIGNS, TO ADJACENT WALLS AND VERIFY FUNCTIONALITY. VERIFY DEVICES AND LOCATIONS WITH OWNER AND ARCHITECT.

### REFERENCE KEYNOTES

- 02-03 REMOVE EXISTING GLASS STOREFRONT PER EXTENTS INDICATED IN PLAN AND UP TO UNDERSIDE OF STRUCTURE ABOVE
- 02-10 REMOVE EXISTING GYP WALL AND METAL/WOOD STUD FRAMING SHOWN AS DASHED. REMOVE ENTIRE WALL FROM FLOOR TO DECK. ANY ABOVE CEILING EQUIPMENT/CONDUIT/DUCT SUPPORTED OR BRACED BY THE EXISTING WALL TO BE TRANSFERRED TO DECK/ADJACENT WALL. PRIOR TO COMMENCEMENT OF DEMO WORK CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY EXISTING STRUCTURAL SUPPORT OR BRACING CANNOT BE MAINTAINED. PATCH REPAIR AND PREP FLOOR TO RECEIVE NEW FINISH
- 02-25 REMOVE EXISTING RESTROOM ACCESSORY TO REACH CODE-COMPLIANCE
- 02-73 RELOCATE DRINKING FOUNTAIN RAIL AS INDICATED ON FLOOR PLAN
- 02-74 RELOCATE WALL-MOUNTED SINK SO THAT THE CENTERLINE OF THE FIXTURE IS 18" MIN FROM THE SIDE WALL
- 10-35 RELOCATE TOILET PAPER DISPENSER 1 1/2" INCHES MIN BELOW GRAB BAR WITH CENTERLINE 8" FROM FRONT EDGE OF WATER CLOSET. LOCATE TOILET PAPER DISPENSER 19" AFF MIN. SEE DETAIL CP3.01
- 10-40 RELOCATE EXISTING TOILET SEAT COVER DISPENSER SO THAT THE TOP OF OPENING IS 40" AFF MAX

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Revisions

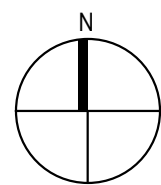
DLR GROUP PROJECT NUMBER:  
75-21809-00

STUDENT SERVICES -  
PLANETARIUM - LEVEL 1  
DEMOLITION PLAN

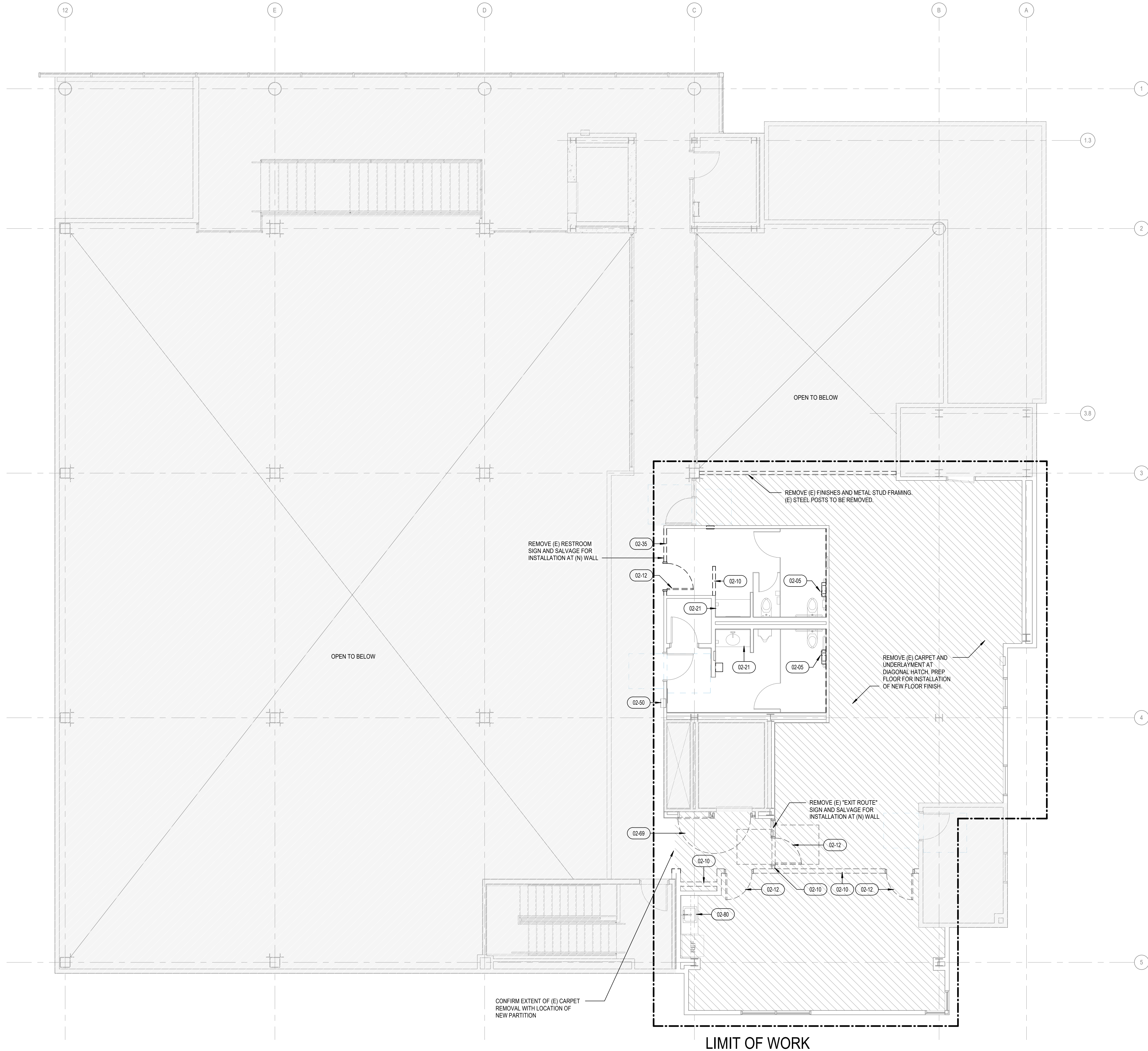
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1 BOOKSTORE - DEMOLITION FLOOR PLAN - LEVEL 2  
AD2.31 SCALE: 3/16" = 1'-0"



## LEGEND AND NOTES

### DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL. HAVING JURISDICTION, COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERBOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
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- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
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- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
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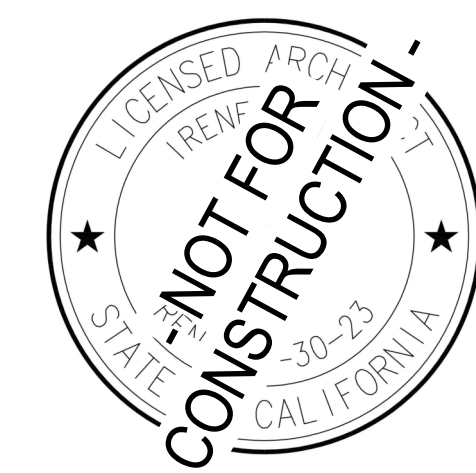
### REFERENCE KEYNOTES

- 02-05 REMOVE EXISTING MISCELLANEOUS WALL AND CEILING MOUNTED ATTACHMENTS TO ALLOW FOR A FLUSH AND SMOOTH CEILING AND WALL SURFACE
- 02-10 REMOVE EXISTING GYP WALL AND METAL WOOD STUD FRAMING SHOWN AS DASHED. REMOVE ENTIRE WALL FROM FLOOR TO DECK. ANY ABOVE CEILING EQUIPMENT/CONDUIT SUPPORTED OR BRACED BY THE EXISTING WALL TO BE TRANSFERRED TO DECK/ADJACENT WALL. PRIOR TO COMMENCEMENT OF DEMO WORK CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY EXISTING STRUCTURAL SUPPORT OR BRACING CANNOT BE MAINTAINED. PATCH REPAIR AND PREP FLOOR TO RECEIVE NEW FINISH
- 02-12 REMOVE EXISTING DOOR FRAME, DOOR PANEL, REMOVE EXISTING DOOR HARDWARE AND LOCKSET FROM DOOR. STORE HARDWARE FOR RE-USE PER OWNER'S INSTRUCTIONS
- 02-21 REMOVE EXISTING WALL HUNG SOLID SURFACE COUNTER AND DROP IN SINKS AND FAUCETS AND RAISE/LOWER TO HEIGHTS INDICATED ON RESTROOM INTERIOR ELEVATIONS
- 02-35 REMOVE EXISTING CURB AND WALL FRAMING AT THIS LOCATION
- 02-50 EXISTING FIRE EXTINGUISHER CABINET TO REMAIN, TYPICAL
- 02-69 FLIP EXISTING RATED ELEVATOR DOOR SWING AS SHOWN ON PLAN. MATCH EXISTING NUMBER AND HEIGHTS OF HINGES. FURR OUT WALL POCKET AS NEEDED FOR DOOR TO LIE FLUSH AGAINST WALL WHEN FULLY OPEN. RESTORE OR PROVIDE NEW HARDWARE AS NEEDED, INCLUDING HOLD-OPEN DEVICES TIED INTO FIRE ALARM SYSTEM
- 02-80 REMOVE EXISTING BOTTOM CABINETS. PROTECT SINK AND PLUMBING IN PLACE. ADD NEW P-TRAP COVER AT EXPOSED PIPES.

### DEMO PLAN/RCP LEGEND

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Revisions

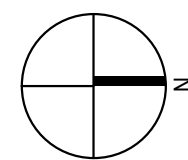
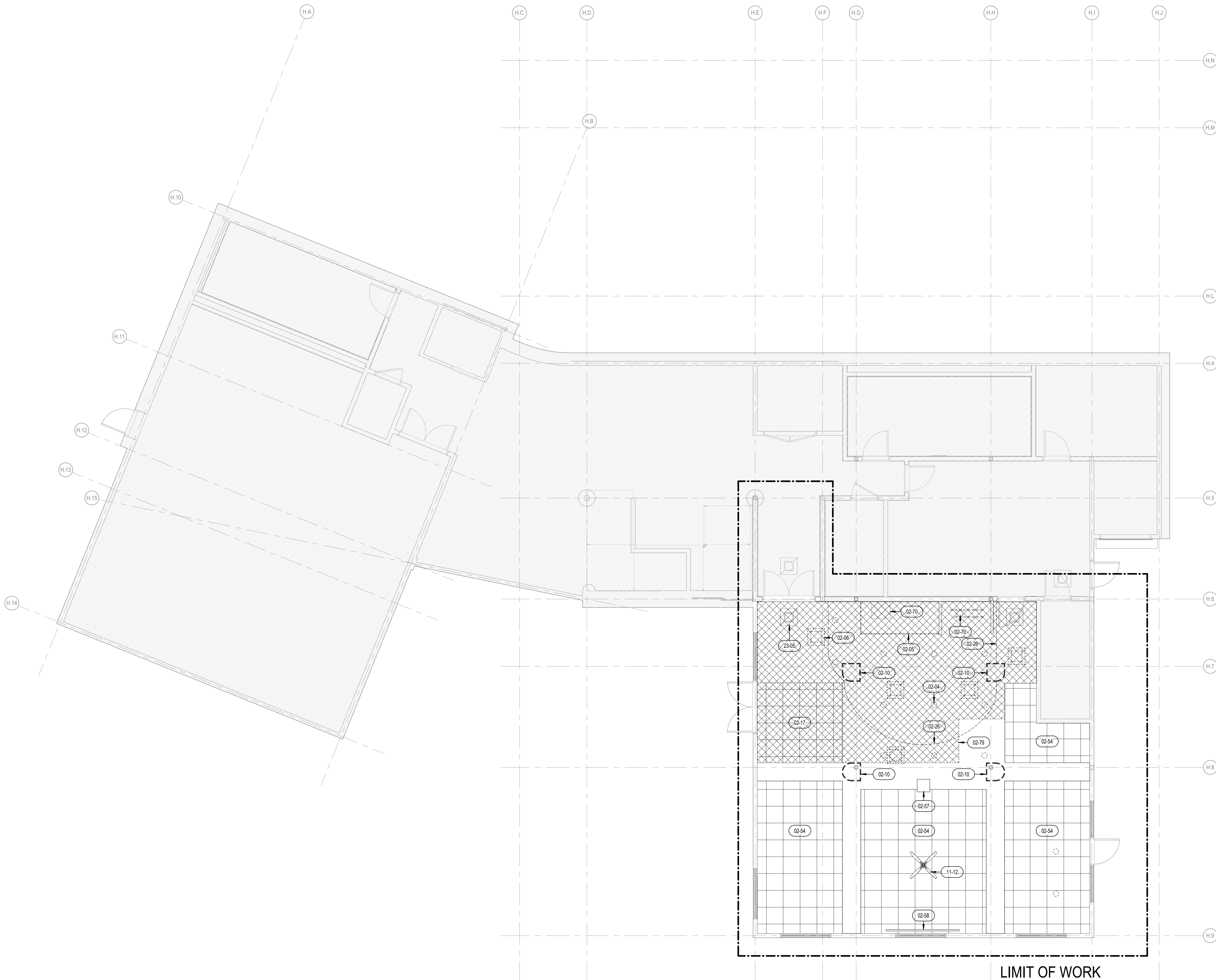
DLR GROUP PROJECT NUMBER:  
75-21809-00

PRINT SHOP - BOOKSTORE -  
LEVEL 2 - DEMOLITION PLAN

AD2.31



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STUDENT UNION BLDG - REFLECTED CEILING DEMOLITION PLAN - LEVEL 1  
SCALE: 3/16" = 1'-0"

## LEGEND AND NOTES

### DEMOLITION GENERAL NOTES

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- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE GYP/STUD WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT GYP FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
- RELOCATE EXISTING WIRED DEVICES ALONG A DEMOLISHED WALL, INCLUDING BUT NOT LIMITED TO FIRE ALARM PULL STATIONS, FIRE ALARM STROBES, EMERGENCY NOTIFICATION SYSTEMS, CAMPUS NOTIFICATION SYSTEMS, THERMOSTATS AND EXIT SIGNS, TO ADJACENT WALLS AND VERIFY FUNCTIONALITY. VERIFY DEVICES AND LOCATIONS WITH OWNER AND ARCHITECT.

### REFERENCE KEYNOTES

- 02-04 REMOVE EXISTING LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMO NOTES. PATCH REPAIR AND PREP AREA TO RECEIVE NEW LIGHT FIXTURES.
- 02-05 REMOVE EXISTING MISCELLANEOUS WALL AND CEILING MOUNTED ATTACHMENTS TO ALLOW FOR A FLUSH AND SMOOTH CEILING AND WALL SURFACE.
- 02-06 REMOVE EXISTING MECHANICAL DUCTS AND DIFFUSERS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMO NOTES. PATCH REPAIR AFTER NEW DUCTS ARE INSTALLED.
- 02-10 REMOVE EXISTING GYP WALL AND METAL/WOOD STUD FRAMING SHOWN AS DASHED. REMOVE ENTIRE WALL FROM FLOOR TO DECK. ANY ABOVE CEILING EQUIPMENT/CONDUIT/DUCT SUPPORTED OR BRACED BY THE EXISTING WALL TO BE TRANSFERRED TO DECK ADJACENT WALL. PRIOR TO COMMENCEMENT OF DEMO WORK CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY EXISTING STRUCTURAL SUPPORT OR BRACING CANNOT BE MAINTAINED. PATCH REPAIR AND PREP FLOOR TO RECEIVE NEW FINISH.
- 02-17 REMOVE EXISTING ACUSTICAL CEILING TILES, CEILING GRID, CEILING STRUCTURAL SUPPORT AND BRACING IN THIS AREA.
- 02-26 REMOVE EXISTING CURTAIN TRACK.
- 02-54 EXISTING CEILING OR SOFFIT TO REMAIN.
- 02-57 EXISTING PROJECTOR TO REMAIN.
- 02-58 EXISTING PROJECTOR SCREEN TO REMAIN.
- 02-70 PATCH CEILING TO BE FLUSH AND SMOOTH AT EXISTING MECHANICAL SHAFT AFTER REMOVAL OF DUCTWORK.
- 02-79 REMOVE EXISTING CEILING FINISHES AND FRAMING AS NECESSARY FOR NEW MECHANICAL AND ELECTRICAL WORK. PROTECT FRAMING OUTSIDE OF WORK AREAS FOR INSTALLATION OF NEW GYP CEILING TO MATCH EXISTING.
- 11-12 EXISTING CEILING FAN TO REMAIN.
- 22-05 EXISTING MECHANICAL REGISTER TO REMAIN.

### DEMO PLAN/RCP LEGEND

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03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 REFLECTED CEILING  
DEMOLITION PLAN

AD3.10



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1 BOOKSTORE - LEVEL 2 REFLECTED CEILING DEMOLITION PLAN  
AD3.30 SCALE: 3/16" = 1'-0"



## LEGEND AND NOTES

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- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE GYPSTUO WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT GYP FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- DO NOT REMOVE OR DAMAGE EXISTING CONCRETE FOUNDATIONS, TYP.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL DEMOLITION TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS.
- RELOCATE EXISTING WIRED DEVICES ALONG A DEMOLISHED WALL, INCLUDING BUT NOT LIMITED TO FIRE ALARM PULL STATIONS, FIRE ALARM STROBES, EMERGENCY NOTIFICATION SYSTEMS, CAMPUS NOTIFICATION SYSTEMS, THERMOSTATS AND EXIT SIGNS, TO ADJACENT WALLS AND VERIFY FUNCTIONALITY. VERIFY DEVICES AND LOCATIONS WITH OWNER AND ARCHITECT.

### REFERENCE KEYNOTES

- 02-40 SAWCUT REMOVE PORTION OF EXISTING ROOF SLAB, REQUIRED FOR INSTALLATION OF NEW EXHAUST FAN. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND STRUCTURAL DRAWINGS. PATCH REPAIR EXISTING MEMBRANE AND WATERPROOFING. SEE ROOF DETAIL FOR ADDITIONAL INFORMATION (S.S.D. AND S.M.D.)

### DEMO PLAN/RCP LEGEND

- |  |  |
|--|--|
|  | EXISTING TO REMAIN   |
|  | ELEMENTS TO DEMOLISH/REMOVE  |
|  | ADDITIONAL DEMOLITION AREAS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |
|  | FLOOR FINISH TO BE REMOVED   |

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CCCCDD - Diablo Valley College  
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PLEASANT HILL, CA 94523

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Revisions

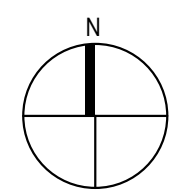
DLR GROUP PROJECT NUMBER:  
75-21809-00

PRINT SHOP - BOOKSTORE -  
LEVEL 2 REFLECTED CEILING  
DEMOLITION PLAN

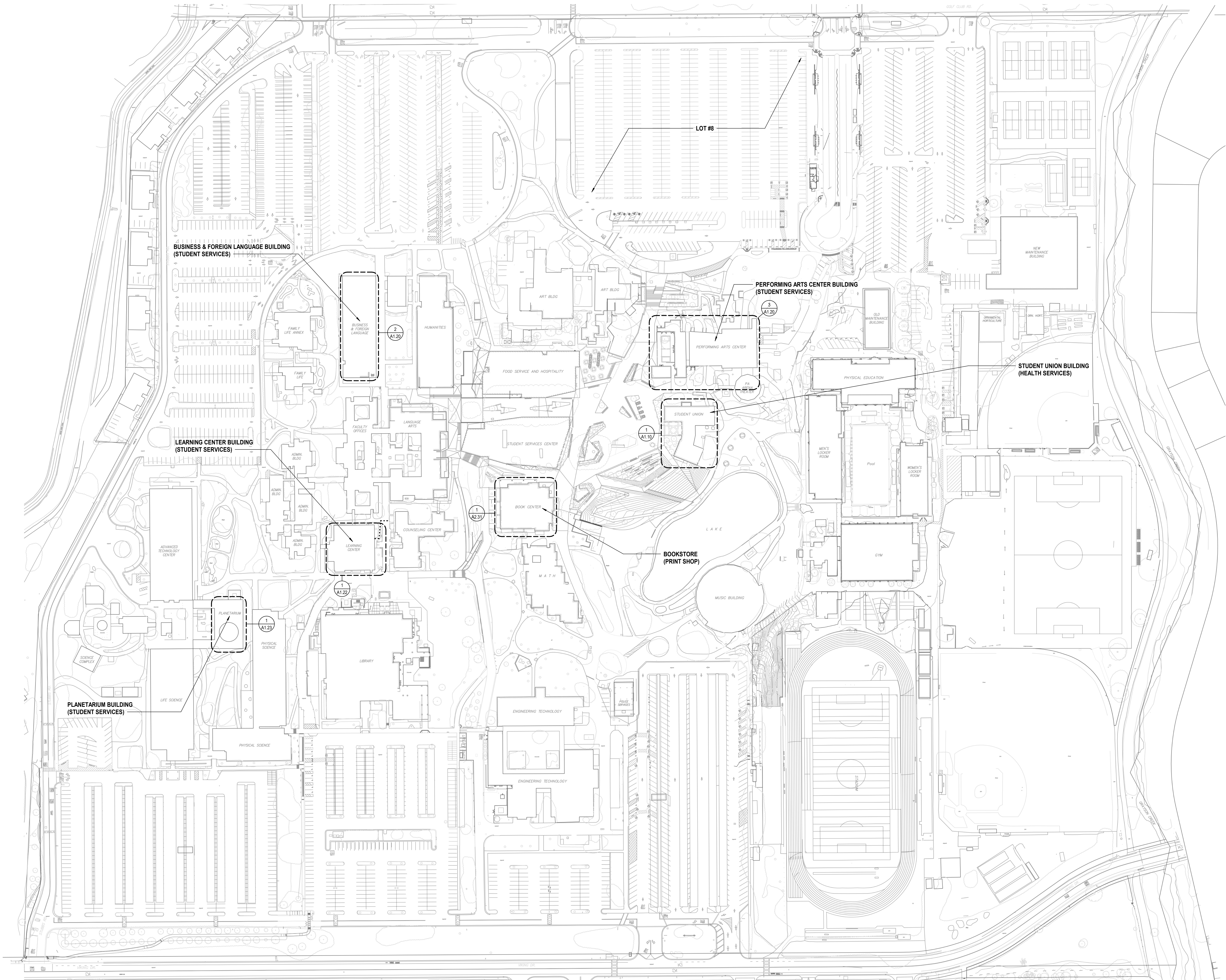
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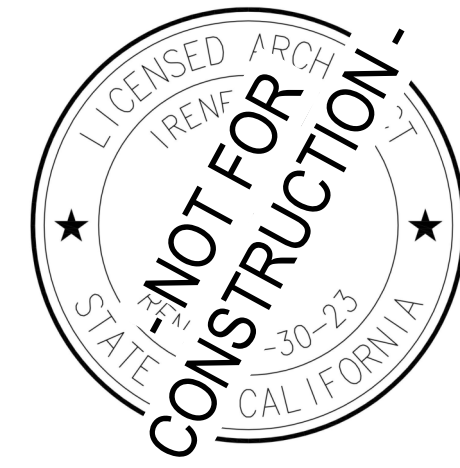
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1 SITE PLAN  
A0.10 1" = 75'-0"



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Revisions

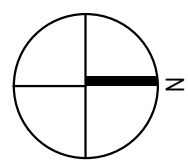
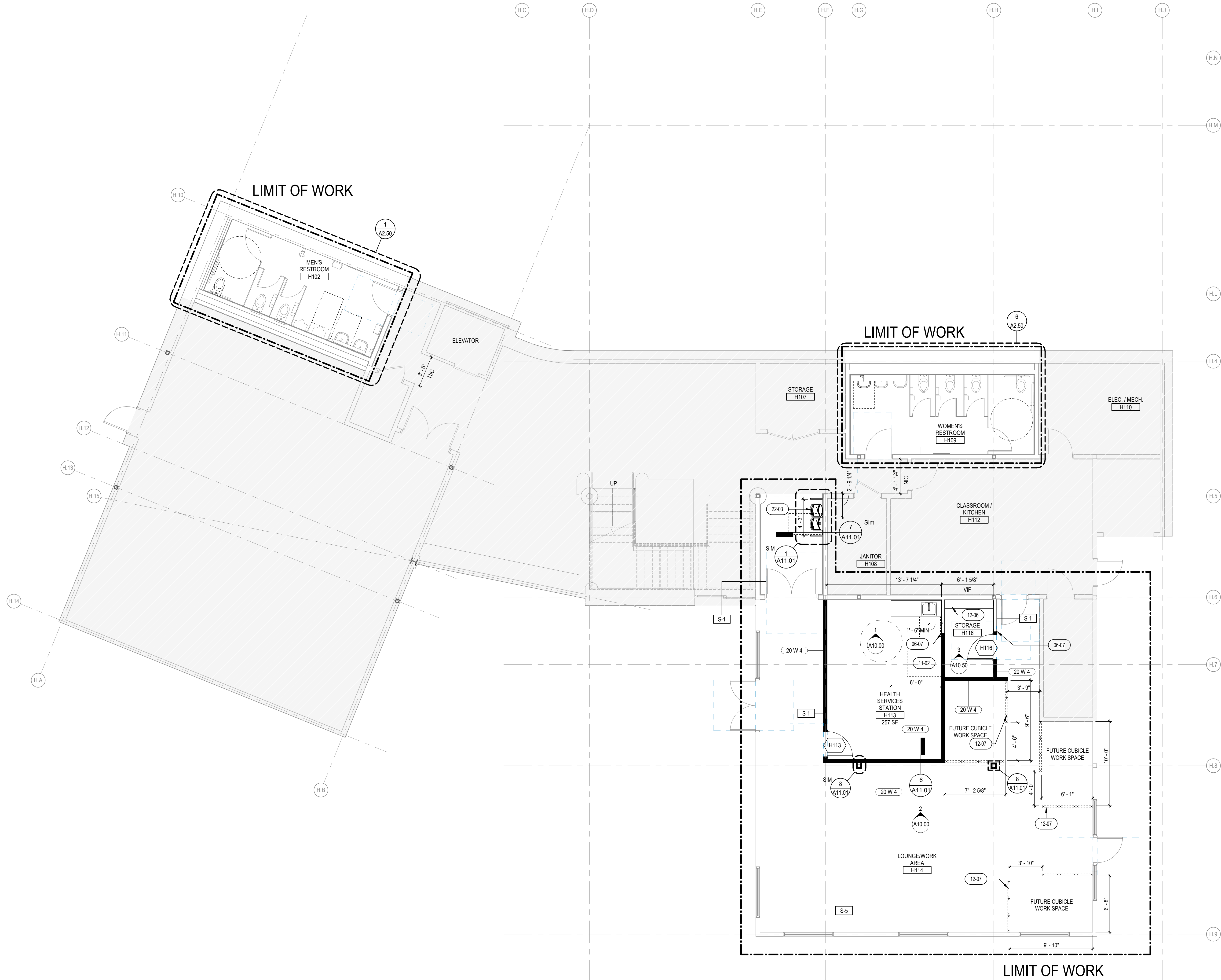
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75-21809-00

CAMPUS SITE PLAN

A0.10



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1 STUDENT UNION BLDG - FLOOR PLAN - LEVEL 1  
A1.10 SCALE: 3/16" = 1'-0"

## LEGEND AND NOTES

### GENERAL ARCHITECTURAL NOTES

1. WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: (## XX #) SEE SHEET A8.00 FOR WALL TYPES
2. ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES
3. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS: I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. SEE STRUCTURAL DRAWINGS FOR BACKING PLATE REQUIREMENTS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE SPECIFICATIONS AND 1A11.01.
6. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK OR FLOOR ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS
7. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33, AND S6.2 TO S6.3
8. WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONTRACTOR SHALL VERIFY PRODUCTS WITH OWNER AND ARCHITECT, INCLUDING BUT NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIMS. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
9. PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
10. VERIFY DOOR CLOSING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN SP5F AT ALL DOORS WITHIN THE LIMIT OF WORK.
11. TYPICAL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (NEW AND EXISTING), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS. DIMENSIONS NOT FOLLOWING TYPICAL CONVENTIONS WILL BE NOTED OTHERWISE.
12. FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

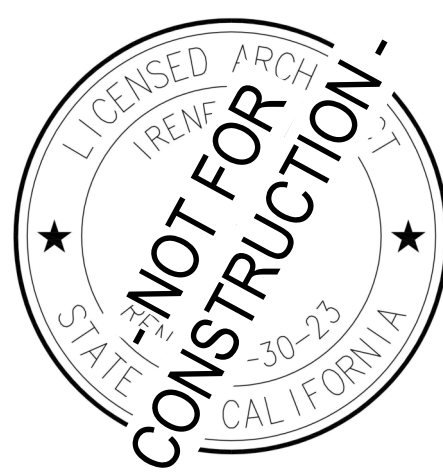
### REFERENCE KEYNOTES

- |       |  |
|-------|--|
| 06-07 | ALIGN NEW FRAMING TO EXISTING FRAMING        |
| 11-02 | REFRIGERATOR (NICIOFI)                       |
| 12-06 | WALL-MOUNTED SHELVING. SEE DETAIL S/A10.50   |
| 12-07 | CUBICLE (NICIOFI)                            |
| 22-03 | NEW DRINKING FOUNTAIN/BOTTLE FILLER (S.P.D.) |

### PLAN LEGEND

- |  |  |
|--|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

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Revisions

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75-21809-00

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 FLOOR PLAN

A1.10








## GENERAL ARCHITECTURAL NOTES

1. WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: (## XX #) = SHEET A80 FOR WALL TYPES.
2. ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR ABOVE OR TO TOP OF CEILING BELOW. NOTED OTHERWISE, SEE REFLECTED CEILING PLAN NOTES.
3. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON- PARTITION WALLS FOR THE WALL TO BE NOTED ON THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND CEILING OR FLOOR WITH CONCRETE OR GROUT. STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
4. PARTITION WALLS SHALL BE CONSTRUCTED OF METAL OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS. PARTITION WALLS SHALL BE CONSTRUCTED OF METAL STUD MOUNTED FINISHES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. PARTITION WALLS SHALL BE CONSTRUCTED TO MEET REQUIREMENTS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE DRAWINGS.
6. SCORIE GYPSUM BOARD WALLS OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK OR FLOOR ABOVE. SEAL TIGHTLY TO PREVENT AIR LEAKAGE.
7. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILING AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33 AND S8.
8. WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONSTRUCTOR SHALL VERIFY PRODUCTS AND FINISHES ARE AVAILABLE AND MATCH EXISTING. NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIM. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
9. PATCH AND REPAIR ARE TO BE LIMITED TO ONE PARTIAL TO COMPLETE WORK PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR TO MATCH EXISTING. PATCH AND REPAIR ARE TO MATCH WALLS, CEILING, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
10. PATCH AND REPAIR USING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN 10 LBS. FROM ALL DOORS WITH OPERATING FORCE IS LESS THAN 10 LBS.
11. ALL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (FINISH AND ELEMENTS), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS, DIMENSIONS NOTED OTHERWISE. TYPICAL WALL TYPES SHALL BE NOTED OTHERWISE.
12. FINISHES INDICATED BY (## XX ##) SYMBOL ARE TO BE SHOWN ON SHEET A10.00.


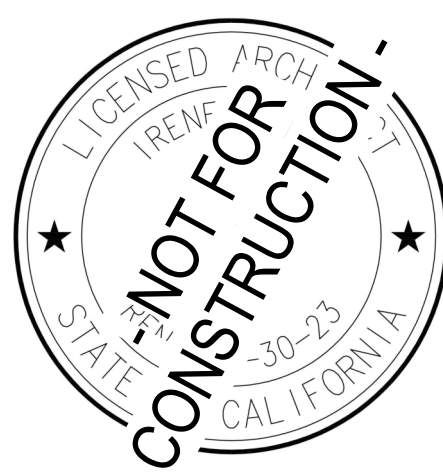
## REFERENCE KEYNOTES

- |       |  |
|-------|--|
| 02-00 | EXISTING MOVABLE PARTITION TO REMAIN, PROTECT IN PLACE   |
| 06-01 | NEW PLYWOOD SHEATHING ON EXISTING FRAMING (S.D.D.)   |
| 08-01 | NEW DOOR, SEE INTERIOR ELEVATIONS OR DOOR SCHEDULE FOR GLASS TYPE (EGLIGL FOUND IN FINISH SCHEDULE)                          |
| 08-02 | NEW WINDOW, SEE INTERIOR ELEVATIONS FOR GLASS TYPES (EGLIGL FOUND IN FINISH SCHEDULE)  |
| 08-03 | NEW DOOR PANEL IN EXISTING STOREFRONT FRAME, MATCH EXISTING SIZE AND MANUFACTURE. REFER TO DOOR SCHEDULE                     |
| 08-06 | EXISTING DOOR TO REMAIN  |
| 08-10 | EXISTING WINDOW TO REMAIN  |
| 08-12 | RELOCATE HINGES TO FLIP SWING DIRECTION OF DOOR PANELS. EXISTING FRAMES TO REMAIN. SEALS WHERE ATTACHMENT HOOKS ARE REMOVED. |
| 26-11 | REFER TO ELECTRICAL DRAWINGS FOR NEW LIGHTING FIXTURES IN THIS SPACE (S.E.D.)  |

### PLAN LEGEND

- |   |  |
|---|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

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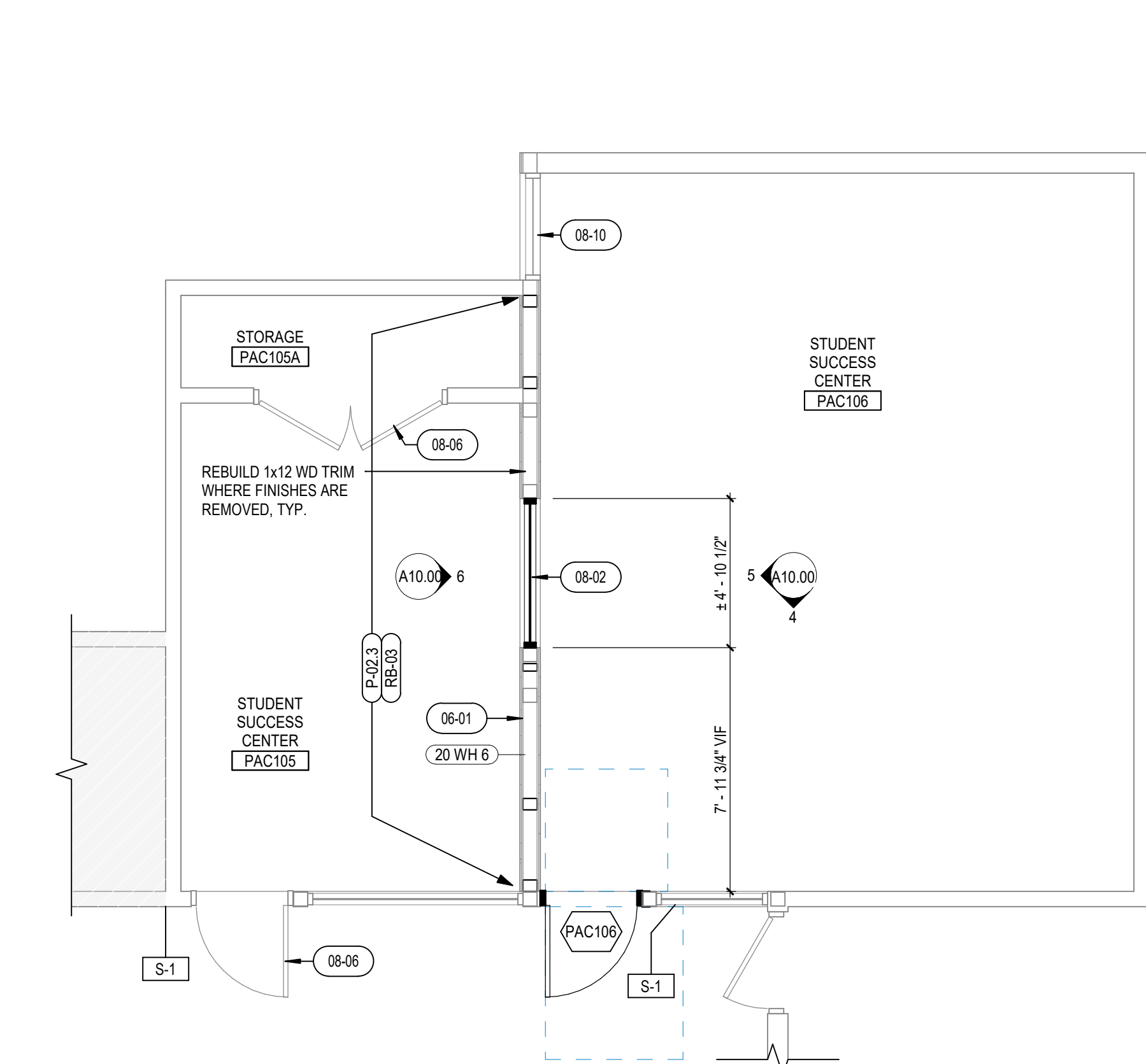
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Revisions

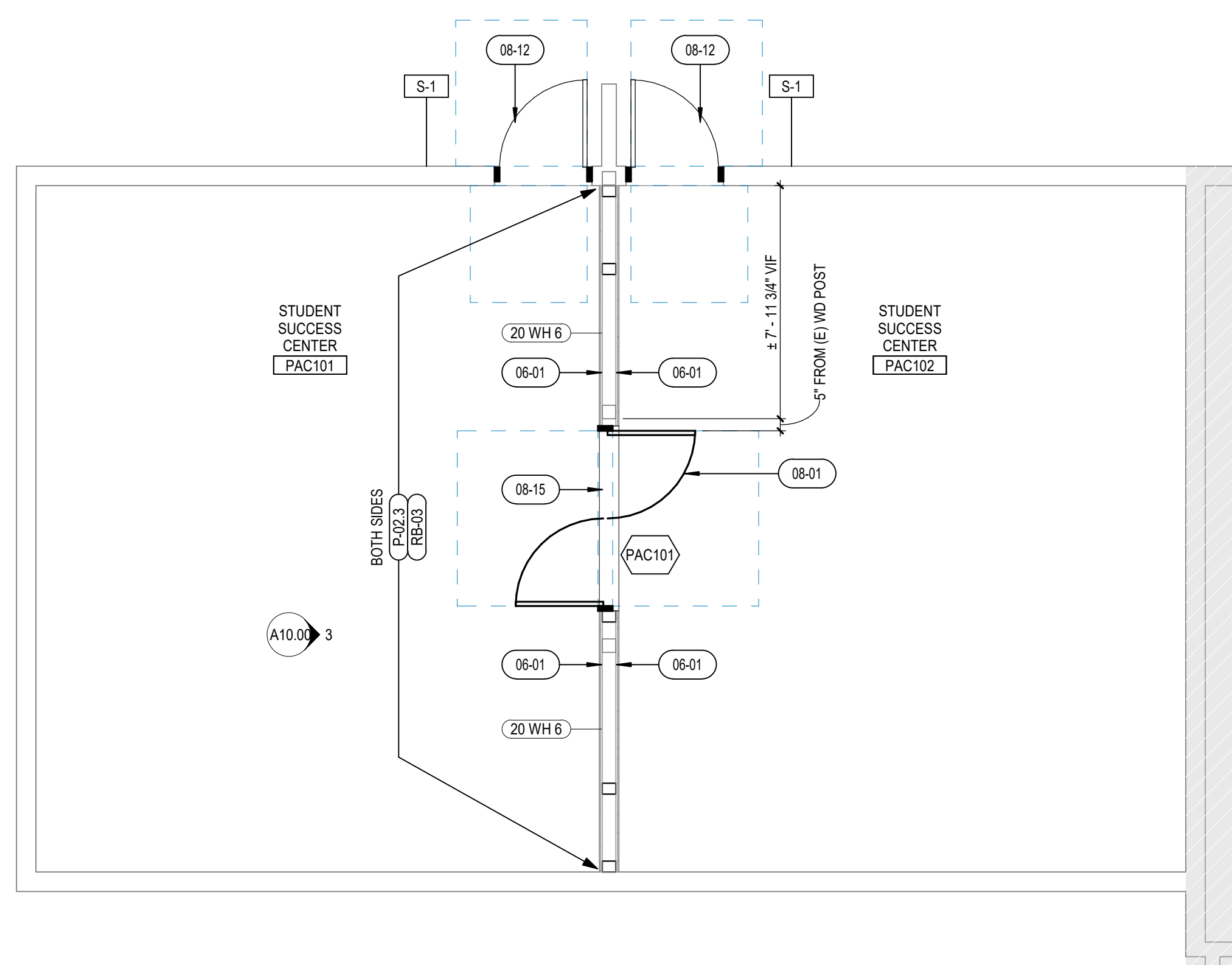
DLR GROUP PROJECT NUMBER  
75-21809-00

STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG AND  
PERFORMING ARTS CENTER  
LEVEL 1 FLOOR PLAN

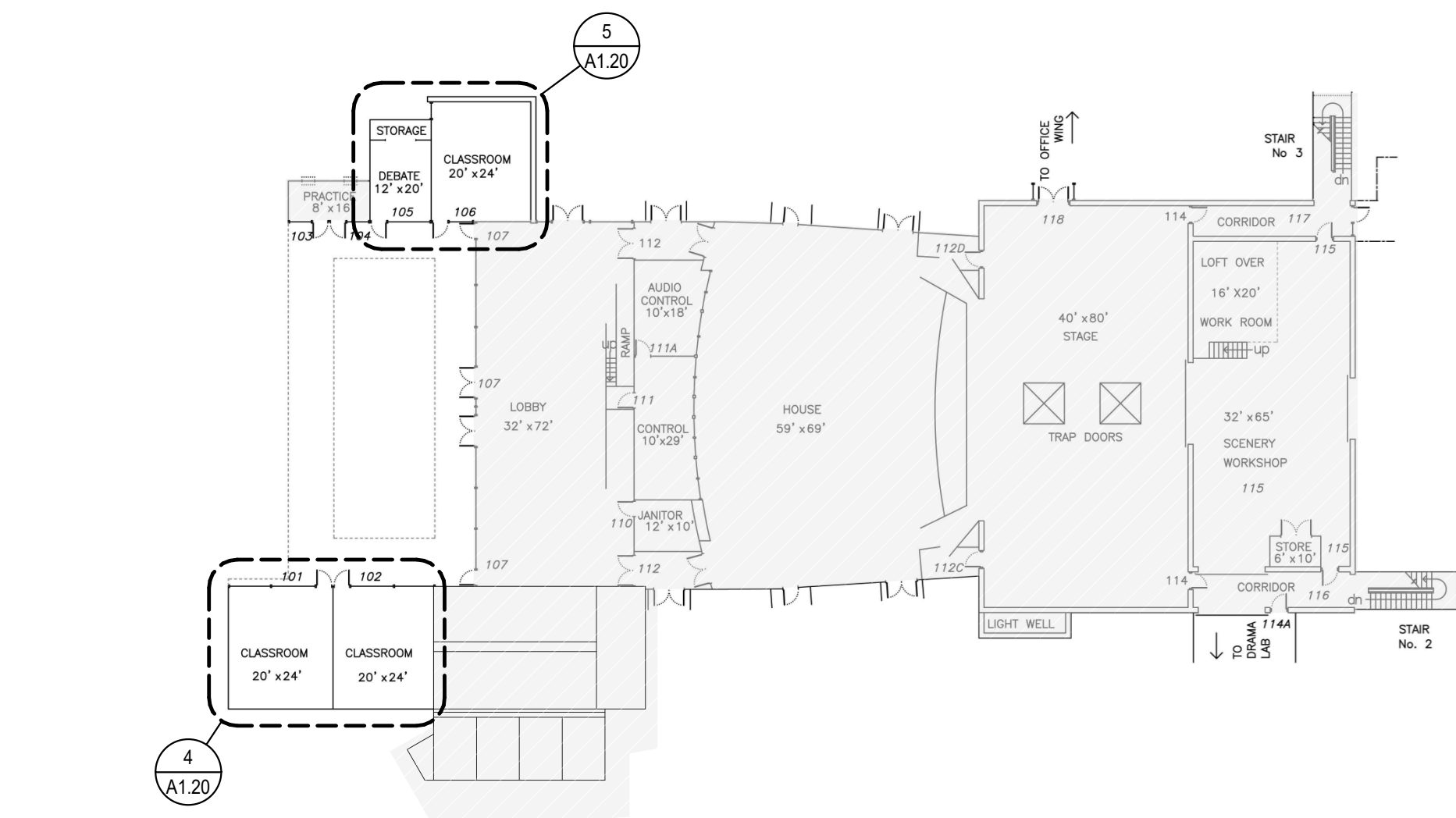
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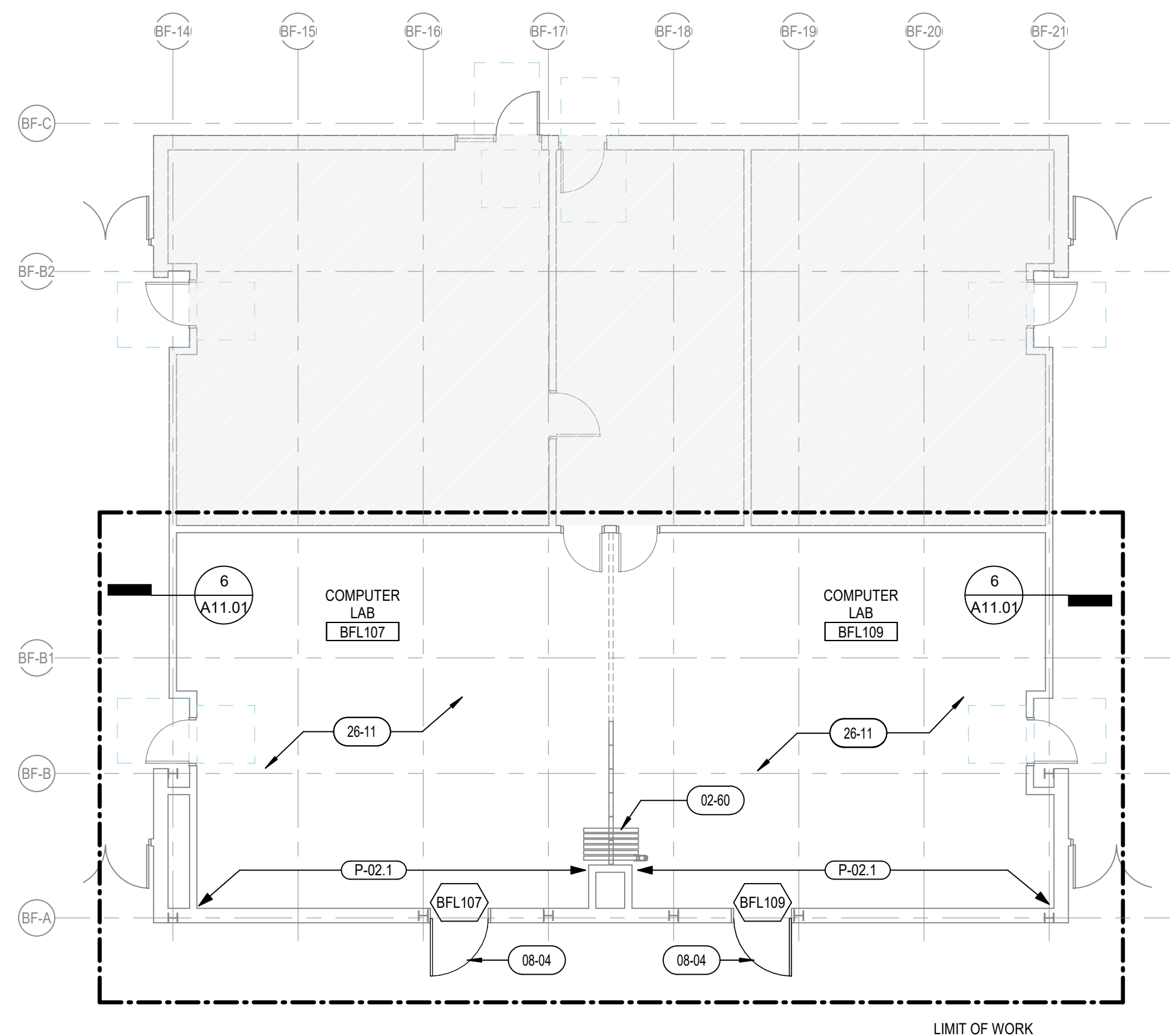
5 PAC - SSC ROOM 105 & ROOM 106 ENLARGED PLAN  
A1.20 SCALE: 1/4" = 1'-0"



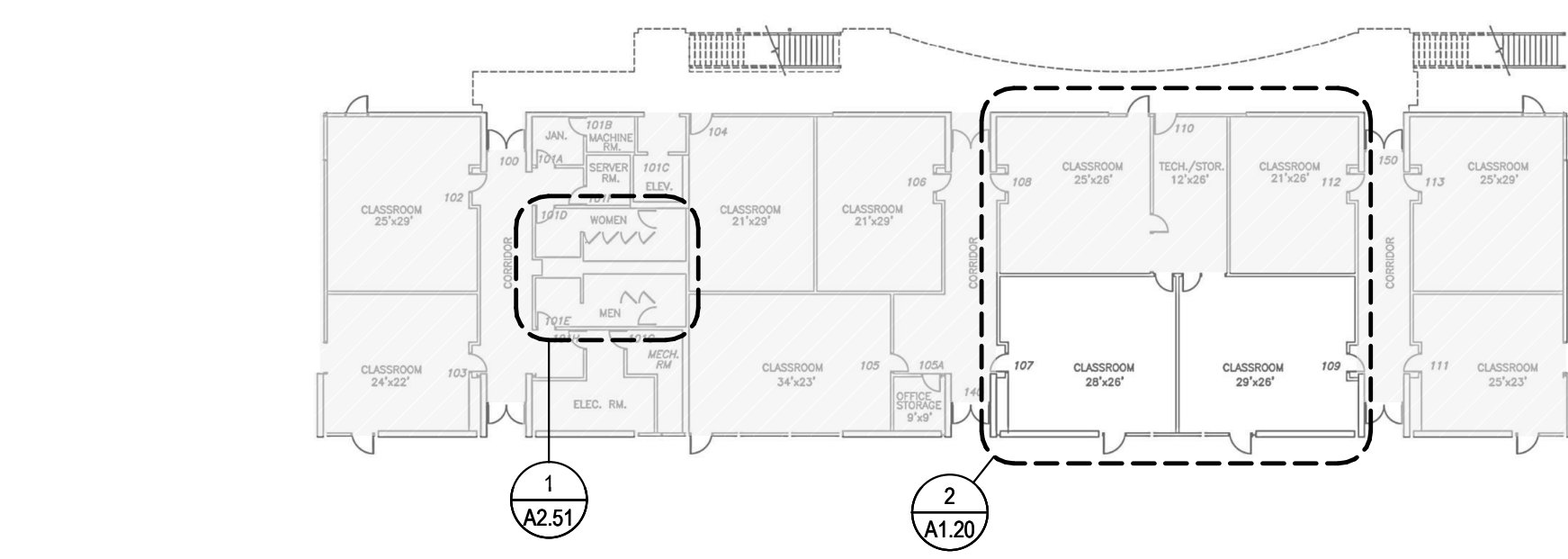
4 PAC - SSC ROOM 101 & ROOM 102 ENLARGED PLAN  
A1.20 SCALE: 1/4" = 1'-0"



3 PAC - KEY PLAN - LEVEL 1  
A1.20 NO SCALE



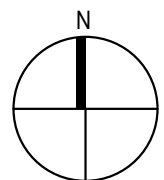
2 BFL - COMPUTER LAB ENLARGED FLOOR PLAN  
A1.20 SCALE: 1/8" = 1'-0"



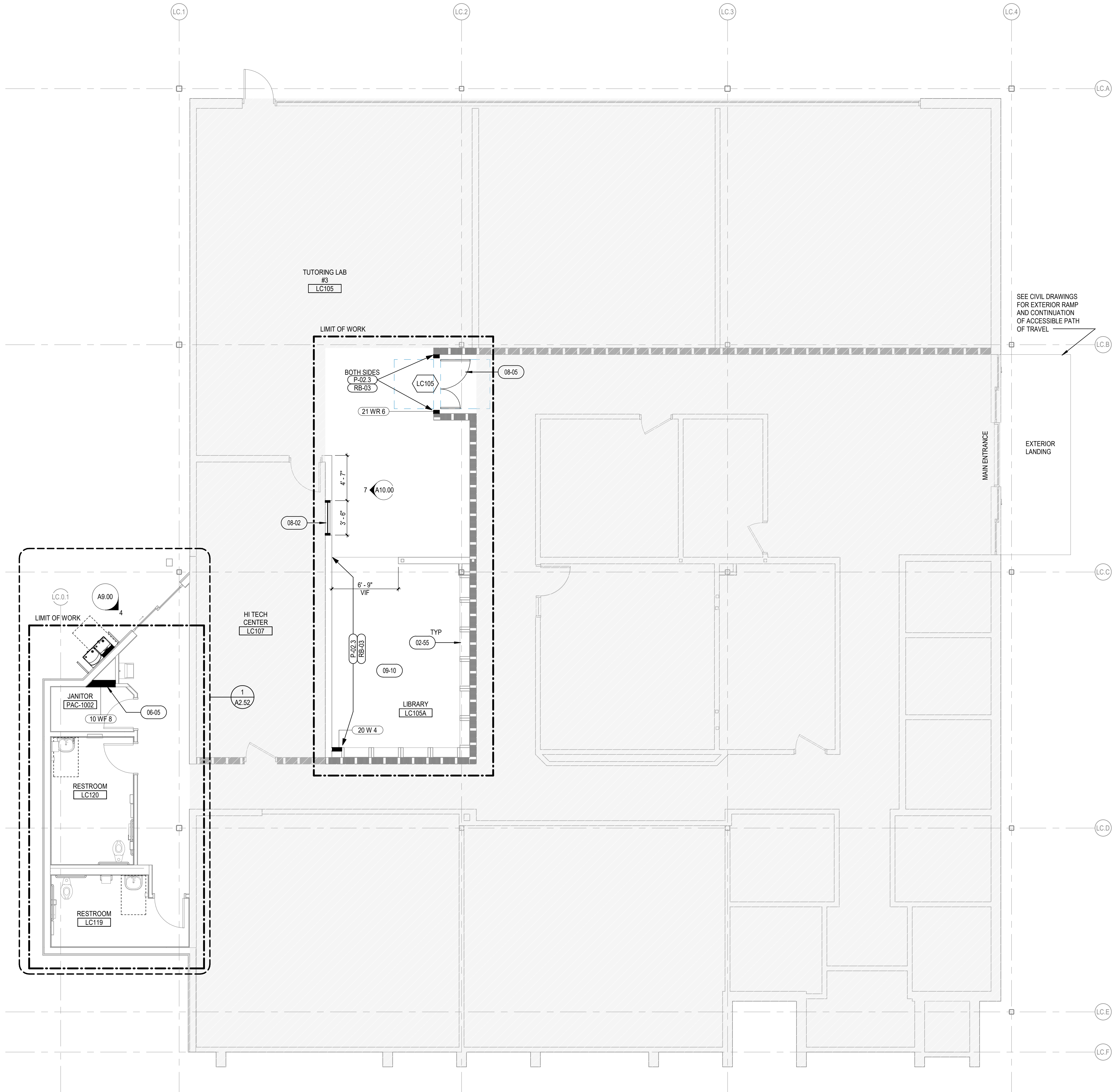
1 BFL - KEY PLAN - LEVEL 1  
A1.20 NO SCALE



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1  
A1.22  
SCALE: 3/16" = 1'-0"  
LEARNING CENTER - FLOOR PLAN - LEVEL 1



## LEGEND AND NOTES

### GENERAL ARCHITECTURAL NOTES

1. WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: (## XX) - SEE SHEET A8.00 FOR WALL TYPES.
2. ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES.
3. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS: I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. SEE STRUCTURAL DRAWINGS FOR BACKING PLATE REQUIREMENTS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE SPECIFICATIONS AND 1A11.01.
6. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK OR FLOOR ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
7. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33, AND S6.2 TO S6.3.
8. WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONTRACTOR SHALL VERIFY PRODUCTS WITH OWNER AND ARCHITECT, INCLUDING BUT NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIMS. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
9. PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
10. VERIFY DOOR CLOSING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN SP5F AT ALL DOORS WITHIN THE LIMIT OF WORK.
11. TYPICAL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (NEW AND EXISTING), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS. DIMENSIONS NOT FOLLOWING TYPICAL CONVENTIONS WILL BE NOTED OTHERWISE.
12. FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

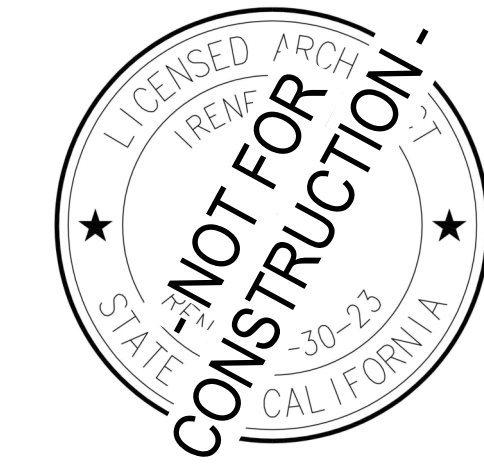
### REFERENCE KEYNOTES

- |       |   |
|-------|---|
| 03-65 | EXISTING IN-WALL BOOKSHELVES TO REMAIN  |
| 06-05 | REFRAME WALL AFTER INSTALLATION OF PLUMBING FOR NEW DRINKING FOUNTAIN   |
| 08-02 | NEW WINDOW, SEE INTERIOR ELEVATIONS FOR GLASS TYPES (EGLGL FOUND IN FINISH SCHEDULE)  |
| 08-05 | NEW FIRE RATED DOOR (20-MINUTE), SEE 14/A11.20 AND 16/A11.20  |
| 09-10 | PATCH AND REPAIR CEILING IN THIS ROOM IN AREAS WITH DEMOLISHED PARTITIONS AND SOFFITS. MATCH EXISTING CEILING GRID AND PANELS. ADD FRAMING AND TILES AS NEEDED TO FILL THE ENTIRETY OF THE CEILING. |

### PLAN LEGEND

- |  |  |
|--|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

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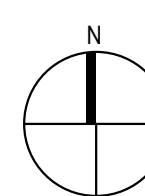
03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

STUDENT SERVICES -  
LEARNING CENTER - LEVEL 1  
FLOOR PLAN

A1.22





# PLANETARIUM - FLOOR PLAN - LEVEL 1




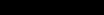

## GENERAL ARCHITECTURAL NOTES

- [illegible]


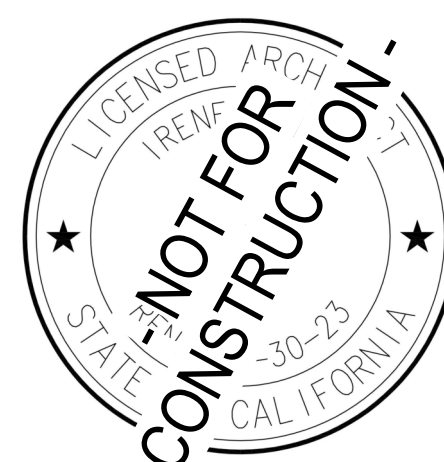
## REFERENCE KEYNOTES

- |       |  |
|-------|--|
| 08-01 | NEW DOOR. SEE INTERIOR ELEVATIONS OR DOOR SCHEDULE FOR GLASS TYPE (EGL/GIL FOUND IN FINISH SCHEDULE) |
| 08-02 | NEW WINDOW. SEE INTERIOR ELEVATIONS FOR GLASS TYPES (EGL/GIL FOUND IN FINISH SCHEDULE)               |
| 23-07 | EXISTING MECHANICAL EQUIPMENT TO REMAIN IN PLACE. (S.M.D.)   |
| 26-12 | EXISTING NOTIFICATION SYSTEM TO BE RELOCATED HERE (S.E.D.)   |

## PLAN LEGEND

- |   |  |
|---|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

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Revisions

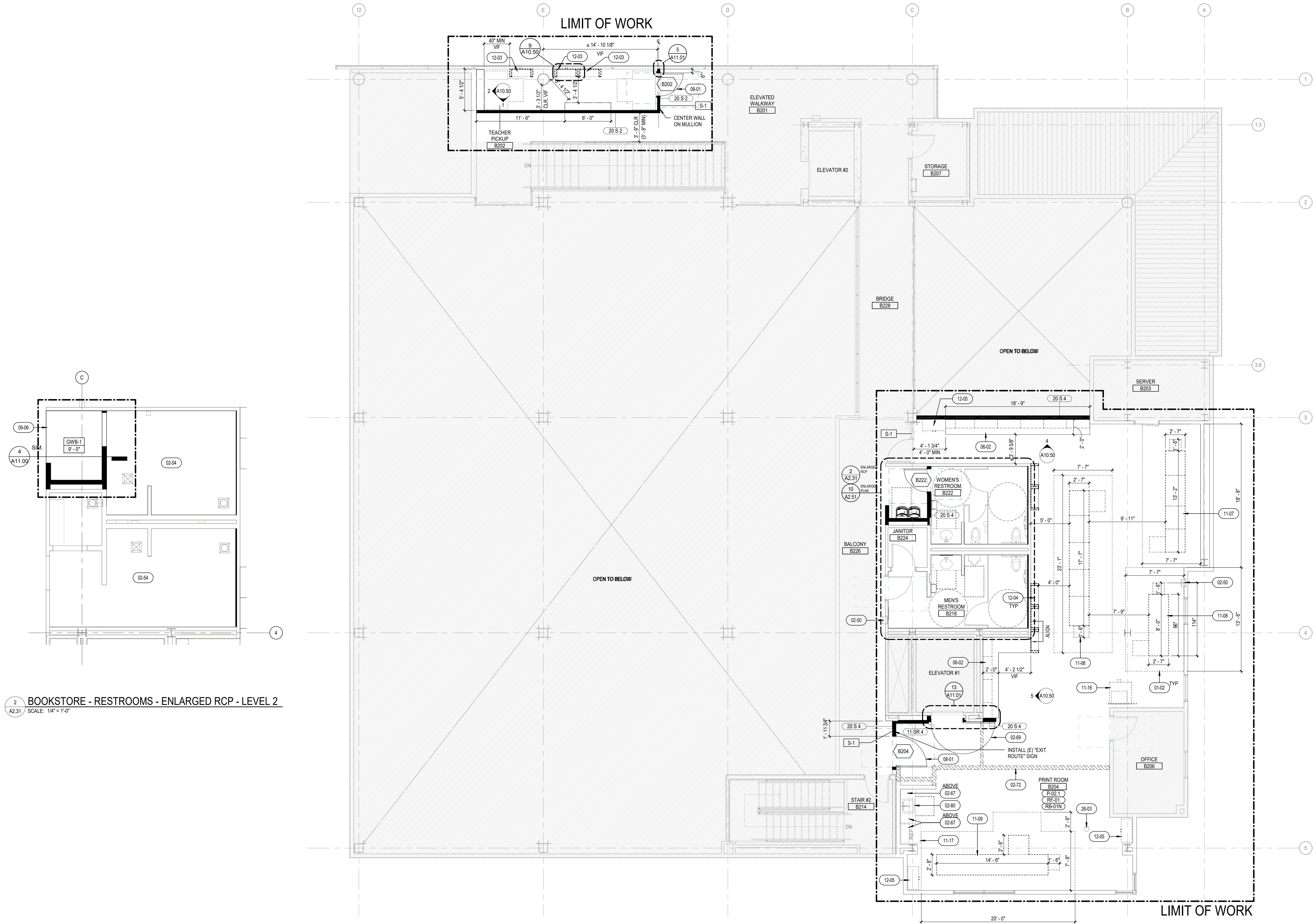
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STUDENT SERVICES -  
PLANETARIUM - LEVEL 1  
FLOOR PLAN

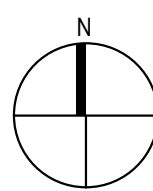
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2 BOOKSTORE - RESTROOMS - ENLARGED RCP - LEVEL 2  
A2.31 / SCALE: 1/4" = 1'-0"



1 BOOKSTORE - FLOOR PLAN - LEVEL 2  
A2.31 / SCALE: 3/16" = 1'-0"

## LEGEND AND NOTES

### GENERAL ARCHITECTURAL NOTES

- WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: (## XX) - SEE SHEET A8.00 FOR WALL TYPES
- ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES
- PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATINGS OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
- FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS: I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. SEE STRUCTURAL DRAWINGS FOR BACKING PLATE REQUIREMENTS.
- GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE SPECIFICATIONS AND 1A11.01.
- SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK OR FLOOR ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
- PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33, AND S6.2 TO S6.3.
- WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONTRACTOR SHALL VERIFY PRODUCTS WITH OWNER AND ARCHITECT, INCLUDING BUT NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIMS. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
- VERIFY DOOR CLOSING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN 5PSF AT ALL DOORS WITHIN THE LIMIT OF WORK.
- TYPICAL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (NEW AND EXISTING), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS. DIMENSIONS NOT FOLLOWING TYPICAL CONVENTIONS WILL BE NOTED OTHERWISE.
- FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

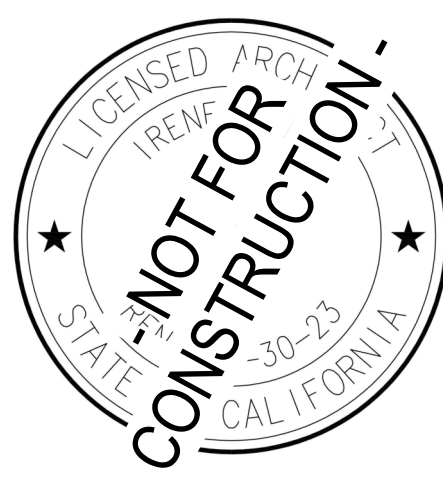
### REFERENCE KEYNOTES

- |       |  |
|-------|--|
| 01-02 | DOTTED LINE REPRESENTS CLEARANCE AROUND THE PRINTERS   |
| 02-50 | EXISTING FIRE EXTINGUISHER CABINET TO REMAIN, TYPICAL  |
| 02-54 | EXISTING CEILING OR SOFFIT TO REMAIN   |
| 02-67 | EXISTING CABINETS TO REMAIN  |
| 02-69 | FLIP EXISTING RATED ELEVATOR DOOR SWING AS SHOWN ON PLAN, MATCH EXISTING NUMBER AND HEIGHTS OF HINGES, FLIP OUT WALL POCKET AS NEEDED FOR DOOR TO LIE FLUSH AGAINST WALL WHEN FULLY OPEN. RESTORE OR PROVIDE NEW HARDWARE AS NEEDED, INCLUDING HOLD-OPEN DEVICES TIED INTO FIRE ALARM SYSTEM |
| 02-72 | PATCH CARPET IN EMPTY SEGMENT OF FLOOR FINISH AFTER REMOVAL OF EXISTING WALL, MATCH ADJACENT EXISTING CARPET   |
| 02-80 | REMOVE EXISTING BOTTOM CABINETS. PROTECT SINK AND PLUMBING IN PLACE. ADD NEW P-TRAP COVER AT EXPOSED PIPES.  |
| 06-02 | CASEWORK - PLASTIC LAMINATE OVER MDF. CABINETS WITH SOLID SURFACE COUNTERTOP, SEE 8A11.05 AND 1A11.05  |
| 08-01 | NEW DOOR. SEE INTERIOR ELEVATIONS OR DOOR SCHEDULE FOR GLASS TYPE (EGLUGL FOUND IN FINISH SCHEDULE)  |
| 09-06 | NEW FRAMED GYP CEILING. USE EXISTING FRAMING WHEN POSSIBLE. ADD ADDITIONAL FRAMING AND BRACING AS NEEDED   |
| 11-06 | PRINTER A (NICIOFOI), NOT ANCHORED TO FLOOR  |
| 11-07 | PRINTER B (NICIOFOI), NOT ANCHORED TO FLOOR  |
| 11-08 | PRINTER D (NICIOFOI), NOT ANCHORED TO FLOOR  |
| 11-09 | COLOR PRINTER (NICIOFOI)   |
| 11-16 | EXISTING HOLE PUNCH (NICIOFOI), NOT ANCHORED TO FLOOR  |
| 11-17 | EXISTING REFRIGERATOR TO REMAIN  |
| 12-03 | 36"x12"x60"H OPEN METAL FILING BOOKCASE (OFCI) SEE 9A10.50 FOR ANCHORAGE   |
| 12-04 | 36"x12"x60"H OPEN METAL FILING BOOKCASE (OFCI), SEE 7A10.50 FOR ANCHORAGE  |
| 12-05 | 36"x17"x60"H METAL FILE CABINETS WITH DOUBLE DOORS (OFCI). SEE 9A10.50 FOR ANCHORAGE   |
| 26-03 | EXISTING FLOOR OUTLET TO REMAIN  |

### PLAN LEGEND

- |  |  |
|--|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student Success, & Health Services Renovation**  
CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

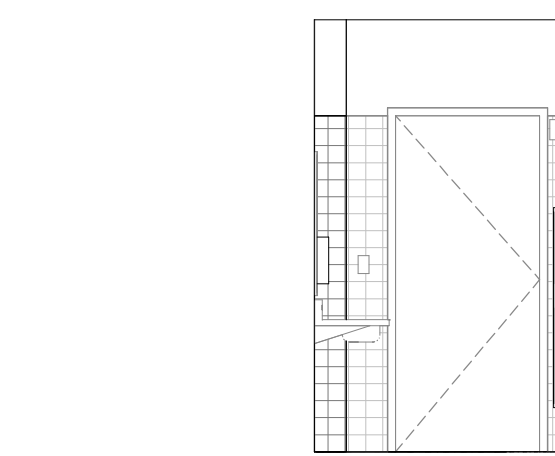
PRINT SHOP - BOOKSTORE -  
LEVEL 2 - FLOOR PLAN

A2.31

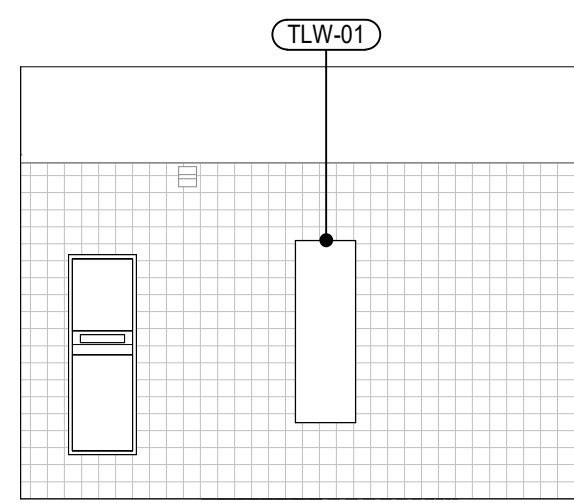


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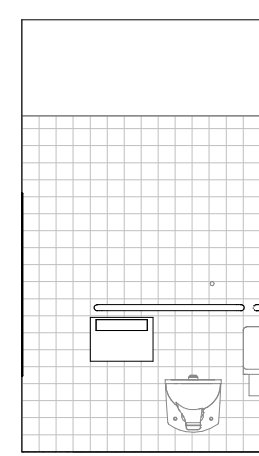
AT RESTROOMS, WHEN MODIFICATIONS OR DEMOLITION OF WALL FRAMING AND/OR WALL & FLOOR FINISHES ARE REQUIRED, THE PATCH AND REPAIR SHALL EXTEND TO A DATUM POINT ESTABLISHED BY THE ARCHITECT TO TERMINATE FINISHES. BOUNDARIES BETWEEN EXISTING AND NEW FINISHES SHALL BE ESTABLISHED IN RELATIONSHIP TO NEARBY ELEMENTS, INCLUDING BUT NOT LIMITED TO WALLS, RESTROOM PARTITIONS, RESTROOM ACCESSORIES AND EXISTING FINISH EXTENTS.



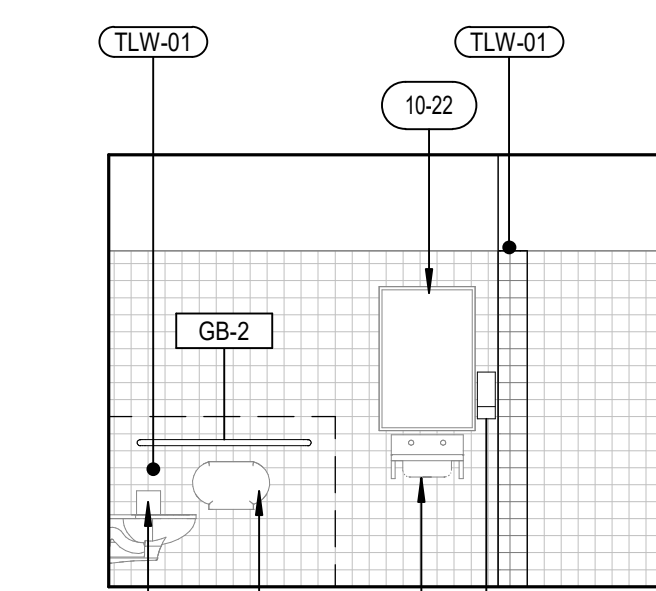
19 INT ELEV - P208 RESTROOM 4  
A2.50 SCALE: 1/4" = 1'-0"



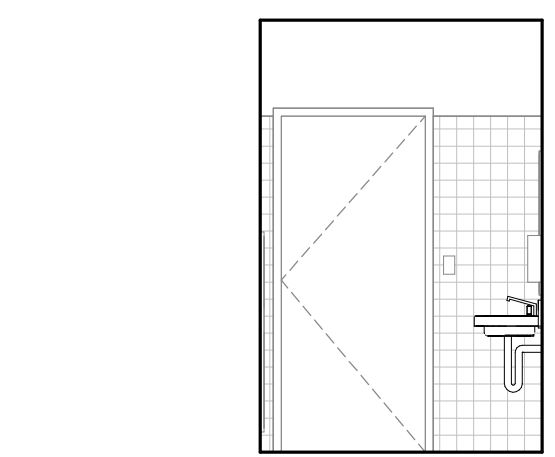
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A2.50 SCALE: 1/4" = 1'-0"



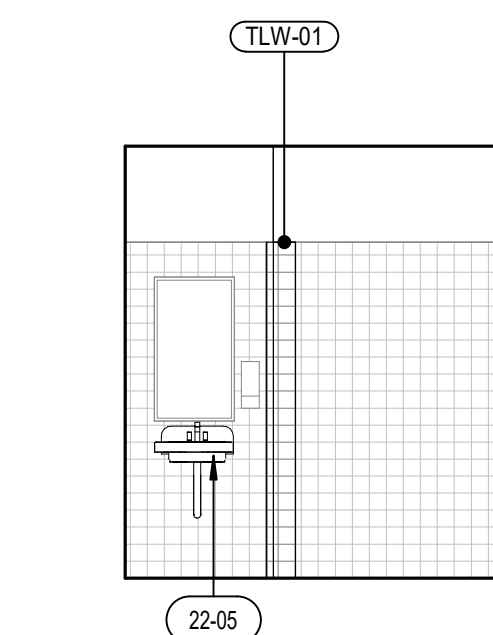
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A2.50 SCALE: 1/4" = 1'-0"



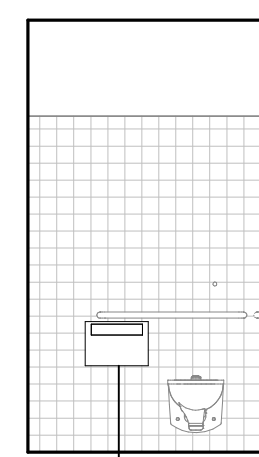
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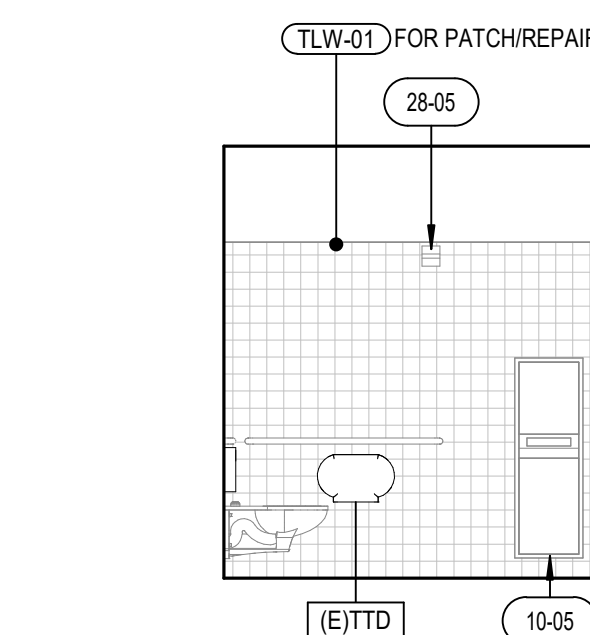
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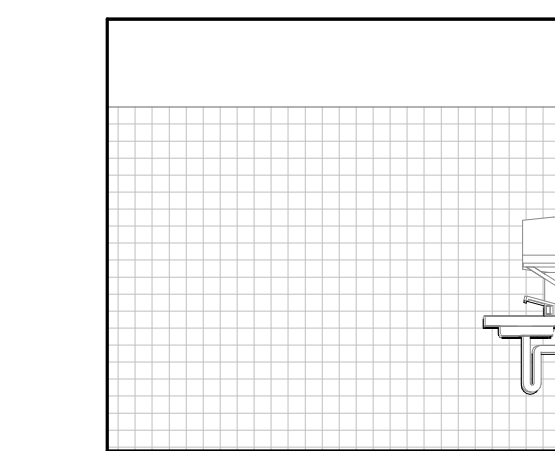
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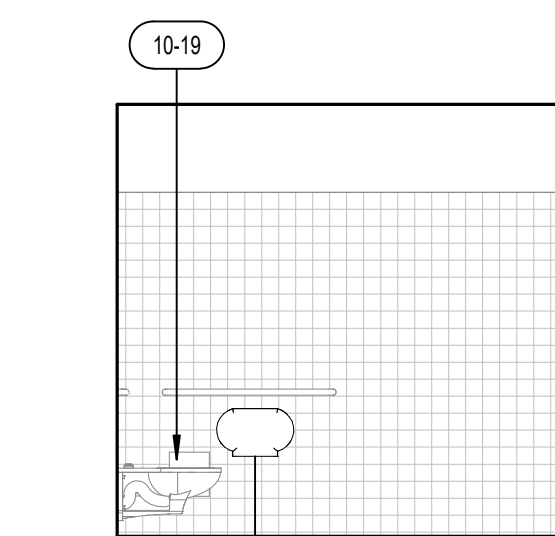
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A2.50 SCALE: 1/4" = 1'-0"



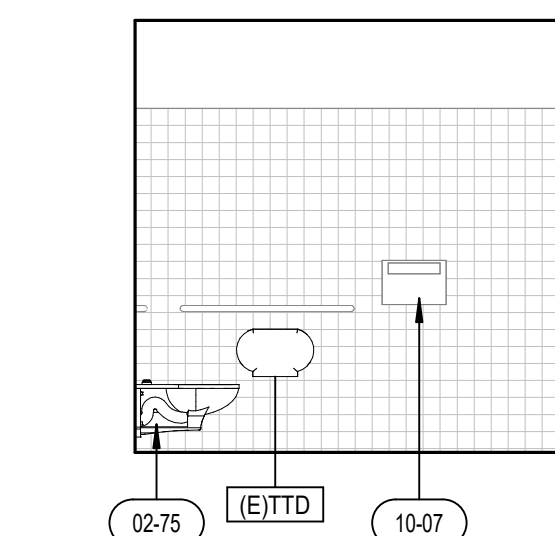
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A2.50 SCALE: 1/4" = 1'-0"



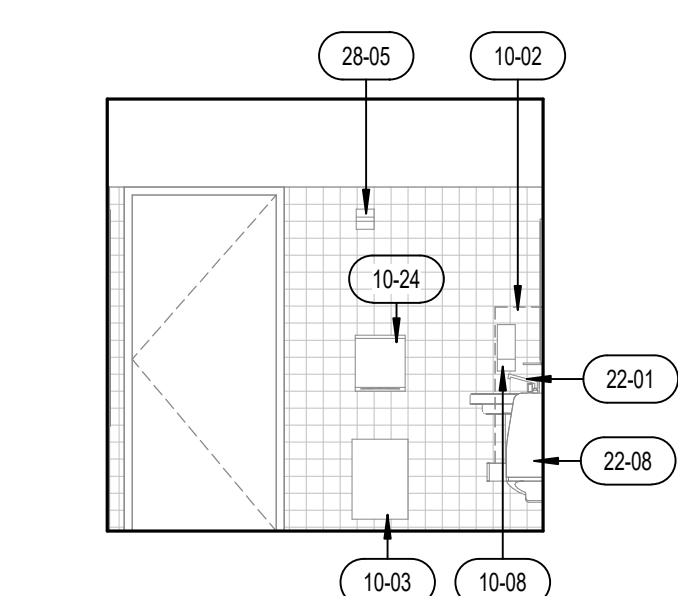
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A2.50 SCALE: 1/4" = 1'-0"



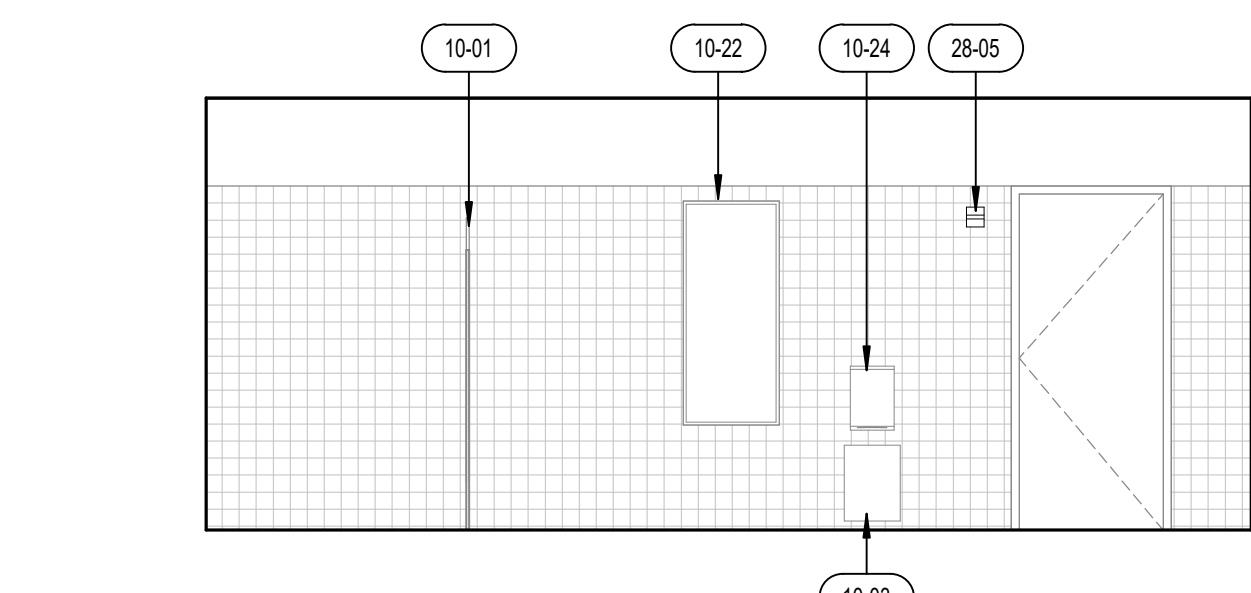
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A2.50 SCALE: 1/4" = 1'-0"



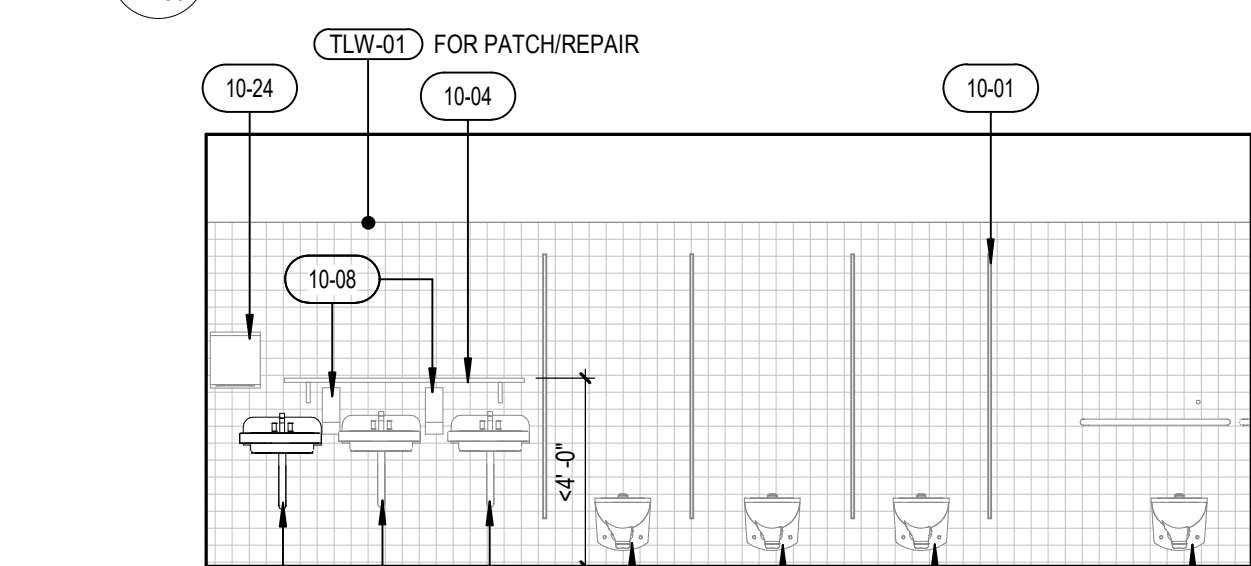
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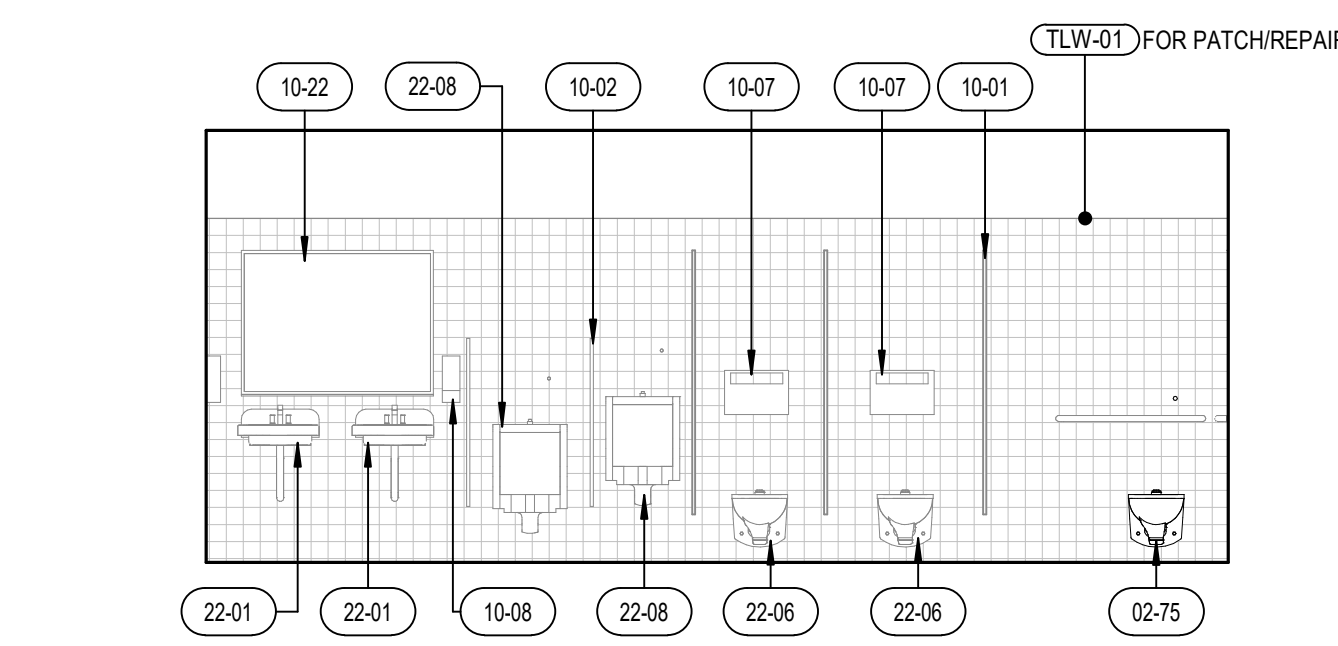
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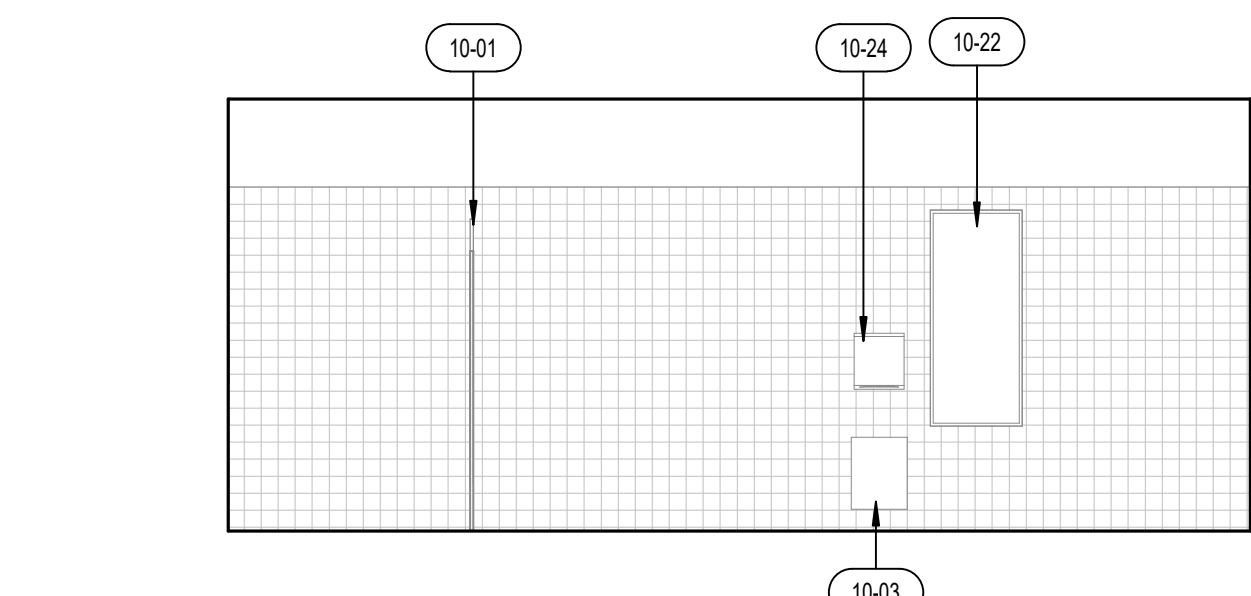
9 INT ELEV - H109 WOMEN S RESTROOM 3  
A2.50 SCALE: 1/4" = 1'-0"



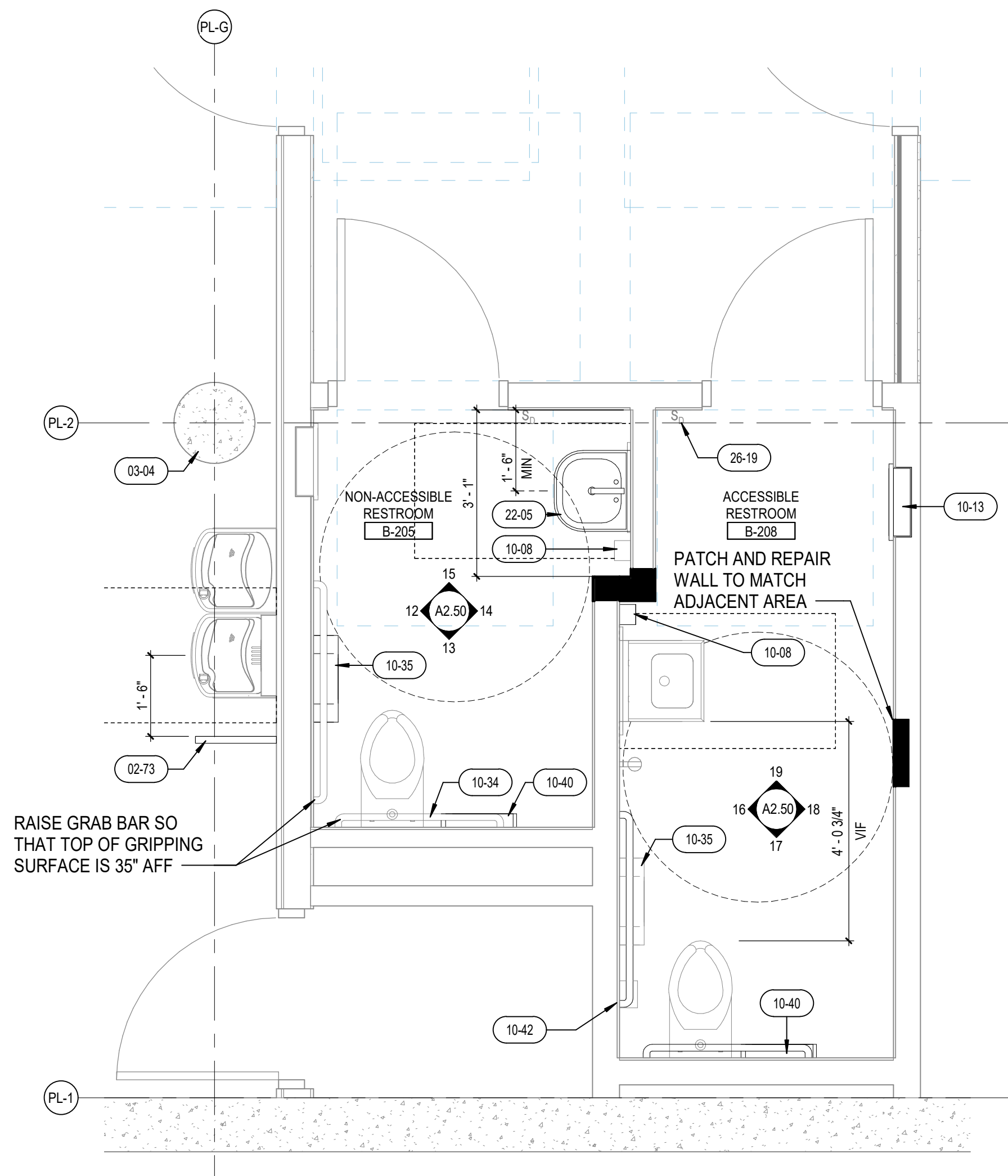
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A2.50 SCALE: 1/4" = 1'-0"



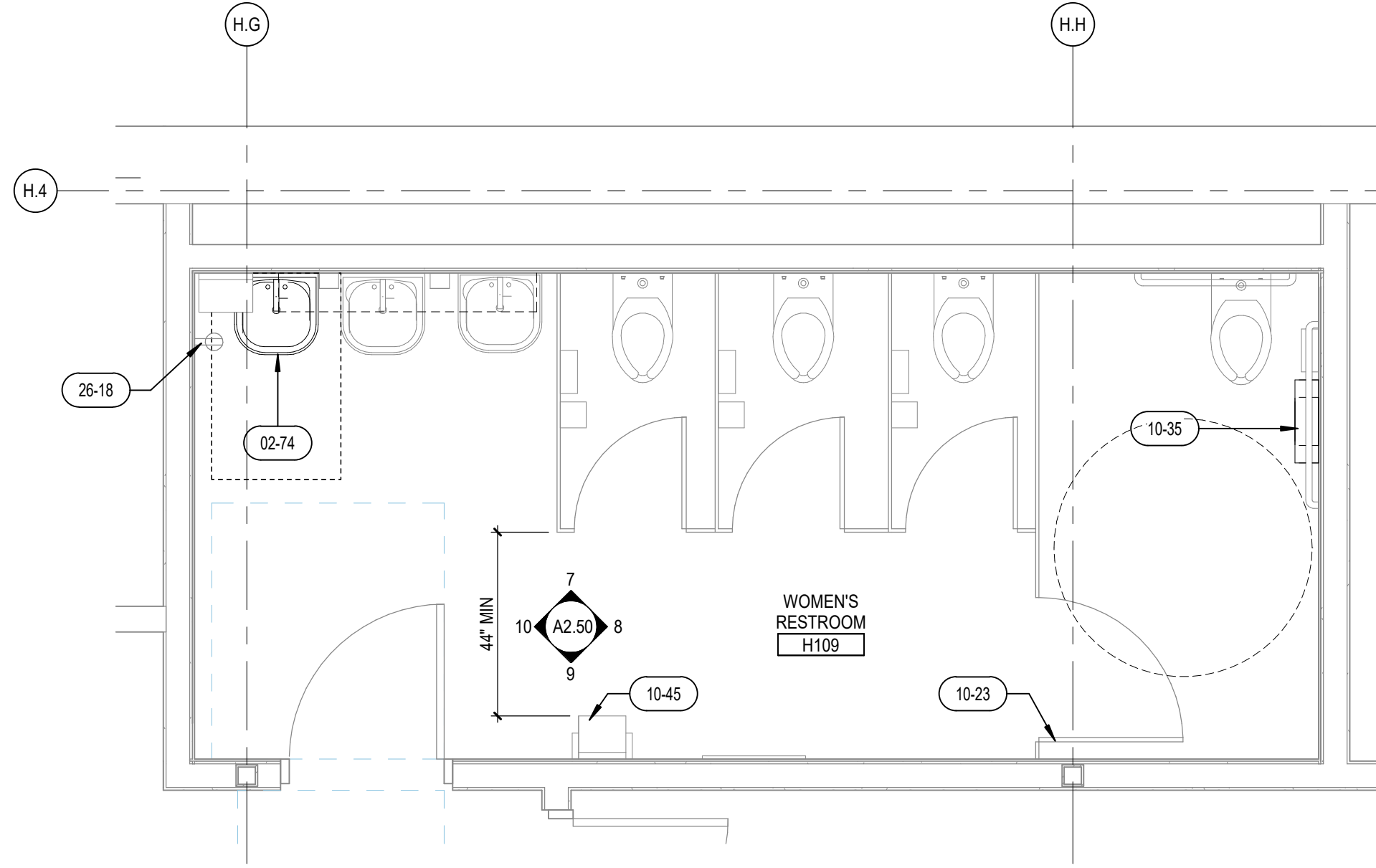
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A2.50 SCALE: 1/4" = 1'-0"



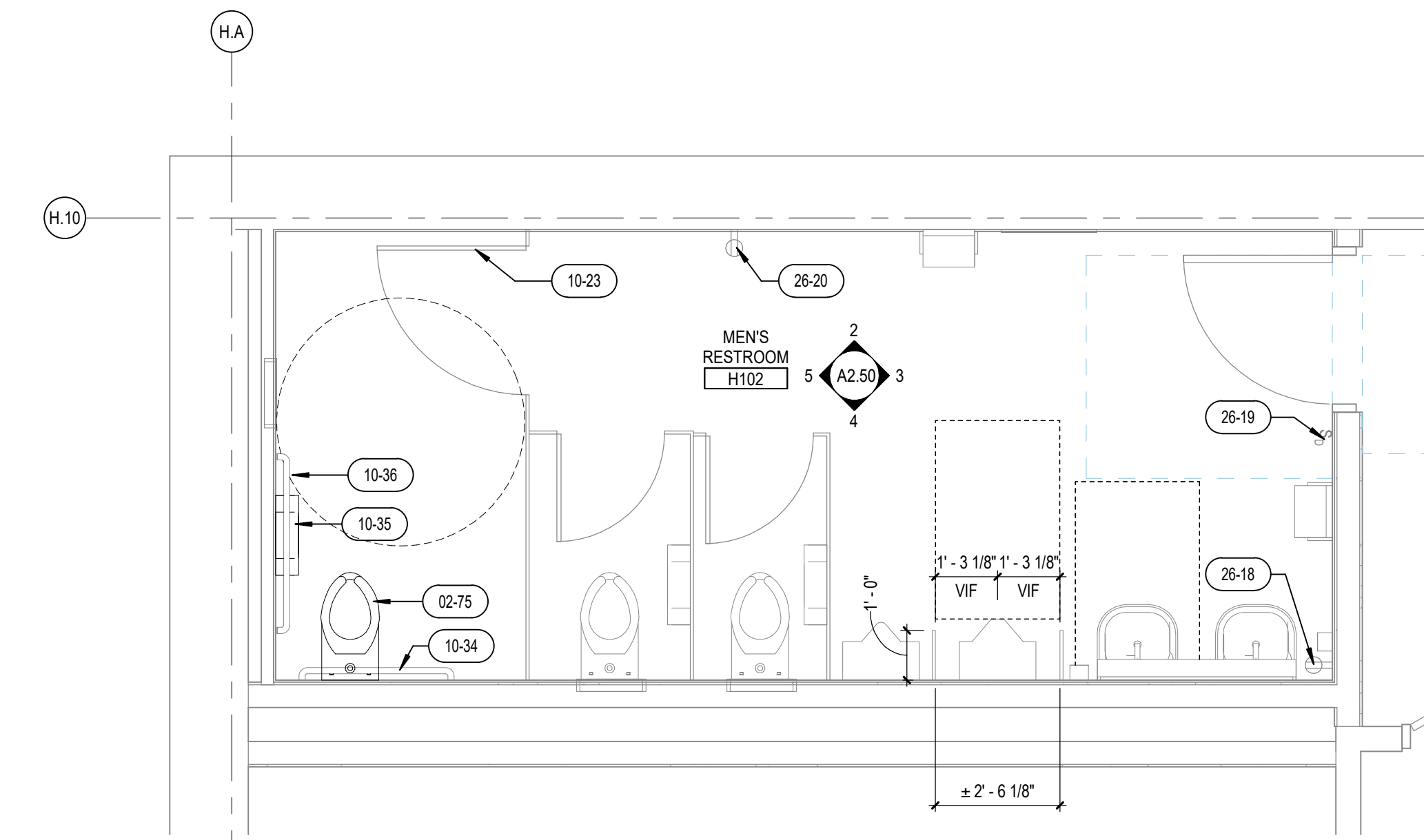
2 INT ELEV - H102 MEN S RESTROOM 1  
A2.50 SCALE: 1/4" = 1'-0"



11 PLANETARIUM - RESTROOMS - ENLARGED PLAN  
A2.50 SCALE: 1/2" = 1'-0"



6 PARTIAL PLAN - STUDENT UNION - WOMEN'S RESTROOM  
A2.50 SCALE: 3/8" = 1'-0"



1 PARTIAL PLAN - STUDENT UNION - MEN'S RESTROOM  
A2.50 SCALE: 3/8" = 1'-0"

LEGEND AND NOTES

GENERAL ARCHITECTURAL NOTES

- WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS:  
(E) X (E) - SEE SHEET A8.00 FOR WALL TYPES
- ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES.
- PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATINGS OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
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- FINISHES INDICATED WITH (XXX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

REFERENCE KEYNOTES

- 02-73 RELOCATE DRINKING FOUNTAIN RAIL AS INDICATED ON FLOOR PLAN
- 02-74 RELOCATE WALL-MOUNTED SINK SO THAT THE CENTERLINE OF THE FIXTURE IS 18" MIN FROM THE SIDE WALL
- 02-75 REPLACE WALL-MOUNTED TOILET WITH NEW TOILET AND INSTALL SO THAT THE CENTERLINE OF THE FIXTURE IS 17'-0" FROM THE SIDE WALL OPPOSITE THE SIDE THE DOOR IS ON
- 03-04 EXISTING CONCRETE COLUMN TO REMAIN
- 10-01 EXISTING RESTROOM PARTITION TO REMAIN, TYP
- 10-02 EXISTING URINAL, SCREEN TO REMAIN, TYP
- 10-03 EXISTING TRASH RECEPTACLE TO REMAIN
- 10-04 EXISTING SHELF TO REMAIN
- 10-05 EXISTING TOILET PAPER SEAT COVER DISPENSER COMBO TO REMAIN
- 10-07 EXISTING SEAT COVER DISPENSER TO REMAIN
- 10-08 EXISTING WALL-MOUNTED SOAP DISPENSER TO REMAIN
- 10-13 NEW PAPER TOWEL DISPENSER/WASTE RECEPTACLE (SEMI-RECESSED) TO MATCH EXISTING IN RESTROOM B-205
- 10-18 EXISTING TOILET PAPER DISPENSER
- 10-19 EXISTING SANITARY NAPKIN DISPOSAL TO REMAIN
- 10-22 EXISTING MIRROR TO REMAIN
- 10-23 ADJUST DOOR TO AUTOMATICALLY SWING TO CLOSED POSITION (SELF-CLOSING)
- 10-24 EXISTING PAPER TOWEL DISPENSER TO REMAIN
- 10-30 EXISTING FEMININE PRODUCT DISPENSER TO REMAIN
- 10-34 RELOCATE EXISTING 36" REAR GRAB BAR TO BE 12" TOWARDS PARALLEL WALL FROM CENTERLINE OF WATER CLOSET AND 24" TOWARDS OPEN/TRANSFER SIDE FROM CENTERLINE OF WATER CLOSET, SEE DETAIL SC03.01
- 10-35 RELOCATE TOILET PAPER DISPENSER 1 1/2" INCHES MIN BELOW GRAB BAR WITH CENTERLINE 8" FROM FRONT EDGE OF WATER CLOSET. LOCATE TOILET PAPER DISPENSER 15" AFF MIN. SEE DETAIL CP3.01
- 10-36 RELOCATE EXISTING 42" PARALLEL WALL GRAB BAR 12" ABSOLUTE FROM REAR WALL TO CENTERLINE OF ESCUTOCHRON PLATE. SEE DETAIL SC03.01
- 10-40 RELOCATE EXISTING TOILET SEAT COVER DISPENSER SO THAT THE TOP OF OPENING IS 40" AFF MAX
- 10-42 ADD BACKING FOR RE-INSTALLATION OF EXISTING SIDE GRAB BAR. SEE 20S6.2 FOR WOOD BACKING AND 21S6.3 FOR STEEL BACKING. PATCH AND REPAIR AREA AFTER INSTALLATION.
- 10-45 REPLACE EXISTING PAPER TOWEL DISPENSER WITH A DISPENSER THAT HAS A DEPTH OF 8" OR LESS. BOD: KIMBERLY CLARK
- 22-01 EXISTING SINK AND FAUCET TO REMAIN
- 22-05 NEW LAVATORY (S.P.D.)
- 22-06 EXISTING WATER CLOSET TO REMAIN
- 22-08 EXISTING URINAL TO REMAIN
- 26-18 LOWER ELECTRICAL OUTLET SO THAT THE TOP OF THE OUTLET BOX IS 48" MAX AFF
- 26-19 LOWER LIGHT SWITCH SO THAT THE TOP OF THE SWITCH BOX IS 48" MAX AFF
- 26-20 RAISE ELECTRICAL OUTLET SO THAT THE BOTTOM OF THE OUTLET BOX IS 15" MIN AFF
- 28-05 EXISTING FIRE ALARM STROBE TO REMAIN

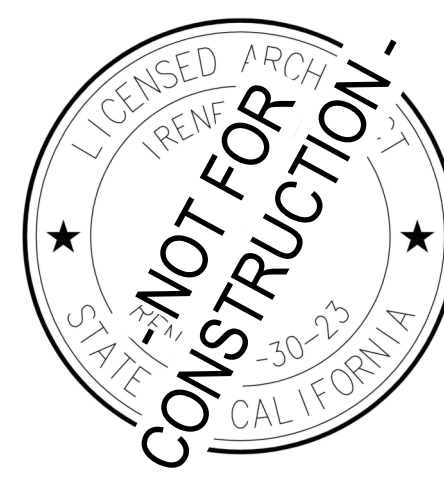
PLAN LEGEND

- EXISTING WALLS
- NEW WALLS
- EXISTING 1-HR RATED WALLS
- NOT IN SCOPE
- LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING)

TOILET ACCESSORIES SCHEDULE

ABBREV	DESCRIPTION	MANUFACTURER / MODEL
(E)	EXISTING	
GB-1	GRAB BAR (BACK WALL) - 42" LENGTH	BOBRICK B-6806
GB-2	GRAB BAR (SIDE WALL) - 48" LENGTH	BOBRICK B-6806
MF	MIRROR, FRAMELESS	BOBRICK B-1556
MR	MIRROR	BOBRICK B-230
MRS	MIRROR WITH SHELF	BRADLEY B-3644
PTD1	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	KIMBERLY CLARK 05996
PTD2	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	GEORGIA PACIFIC 54338A
PTD3	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	BOBRICK B-72650
PTR	PAPER TOWEL DISPENSER, RECESSED	BOBRICK B-359
PWR	COMBINATION TOWEL DISPENSER/RECEPTACLE, RECESSED	BOBRICK B-39003
PWS	COMBINATION TOWEL DISPENSER/RECEPTACLE, SEMI-RECESSED	BOBRICK B-3944
RH	ROBE HOOK	BRADLEY 9114-US
SCD	SEAT COVER DISPENSER, SURFACE-MOUNTED	BOBRICK B-221
SCR	SEAT COVER DISPENSER, RECESSED	BOBRICK B-301
SD	SOAP DISPENSER, SURFACE-MOUNTED	GOJO ADX-12
SDN1	SANITARY NAPKIN DISPOSAL	CONTINENTAL 250W
SDN2	SANITARY NAPKIN DISPOSAL	BOBRICK B-270
SNV1	SANITARY NAPKIN VENDOR	GAMCO 352 25
SNV2	SANITARY NAPKIN VENDOR	ASI 204684
SSS	STAINLESS STEEL SHELF	BRADLEY SA49
TTD	TOILET TISSUE DISPENSER, SURFACE-MOUNTED	PALMER FIXTURE RD0027
WR1	WASTE RECEPTACLE, RECESSED	BOBRICK B-3644
WR2	WASTE RECEPTACLE, SURFACE-MOUNTED	BRADLEY 357

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DVC

DSA APP: 01-119997  
DSA FILE: 07-01

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CCCCDD - Diablo Valley College  
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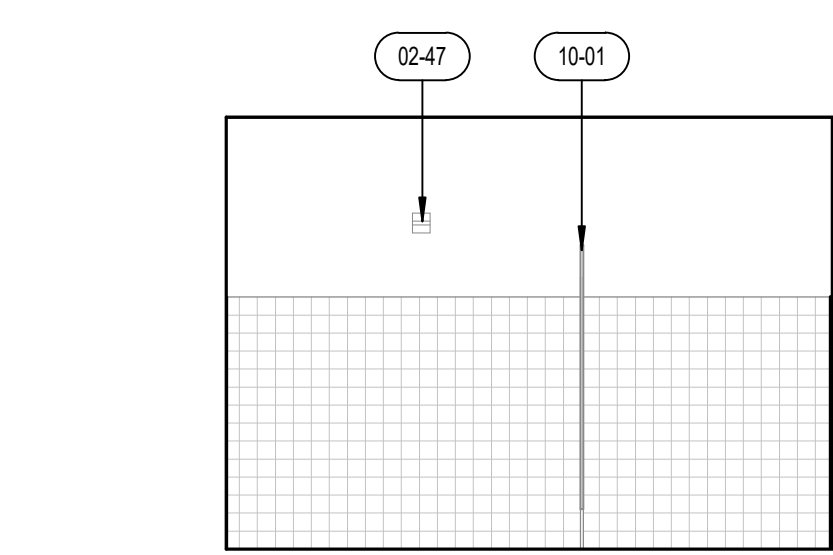
PARTIAL FLOOR PLANS -  
RESTROOMS

A2.50

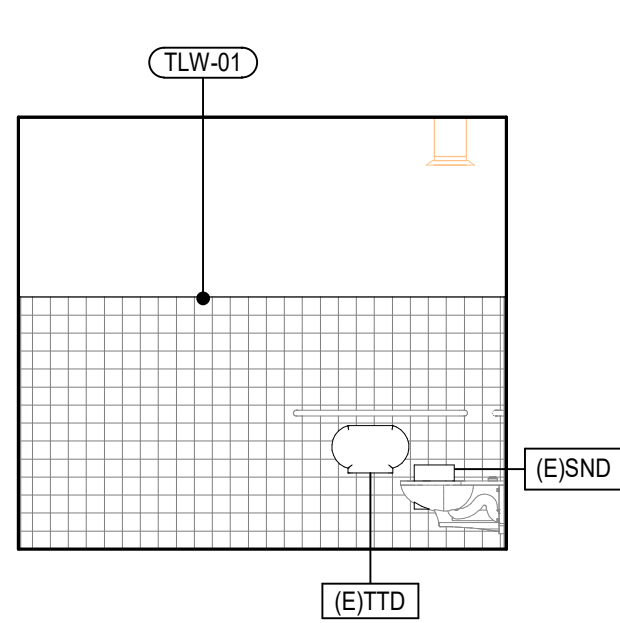


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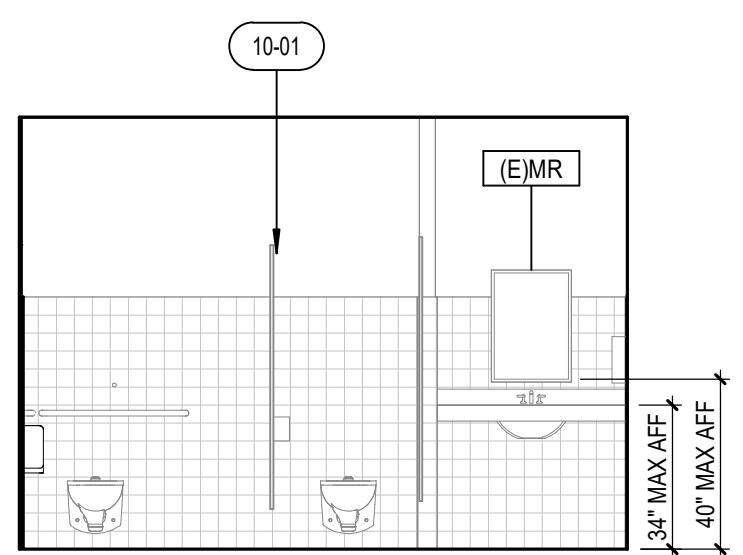
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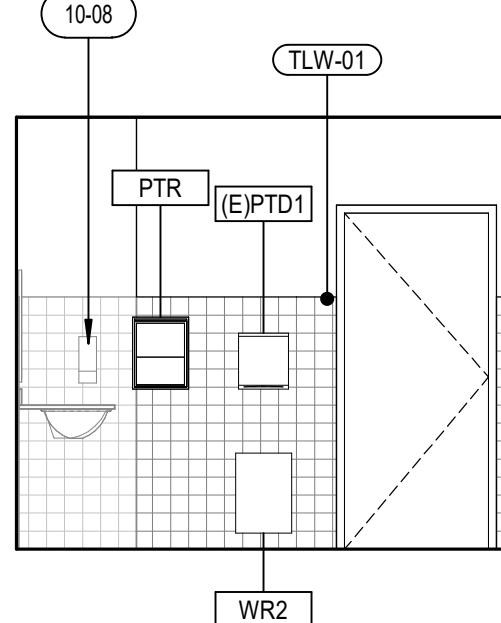
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A2.51 / SCALE: 1/4" = 1'-0"



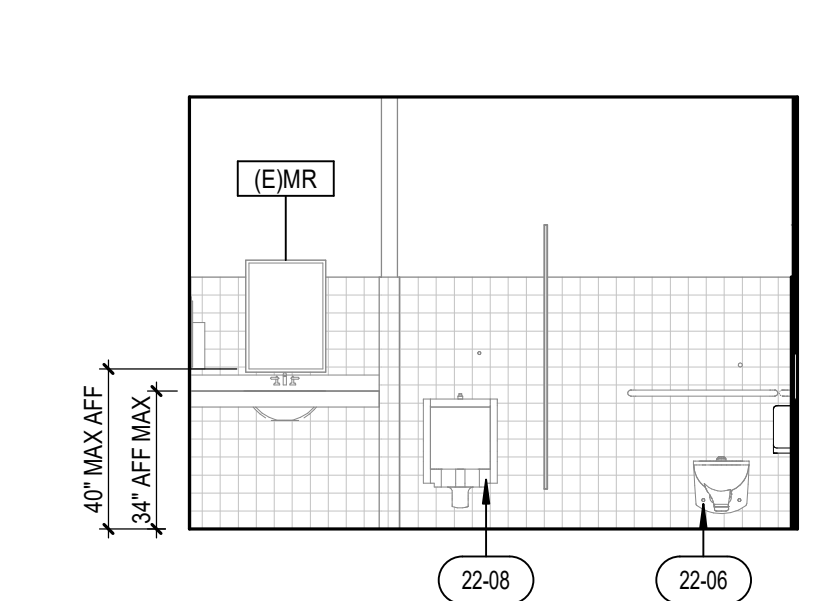
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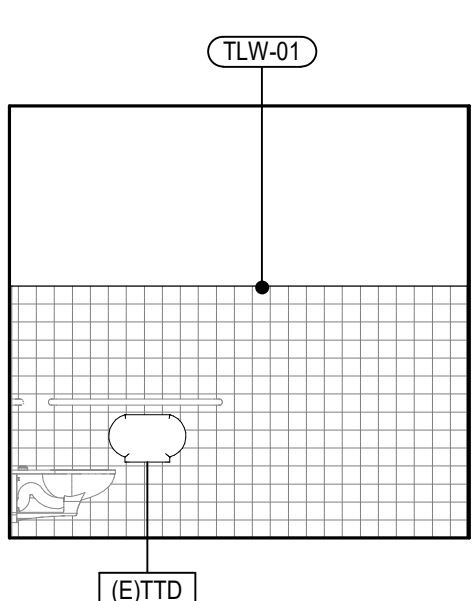
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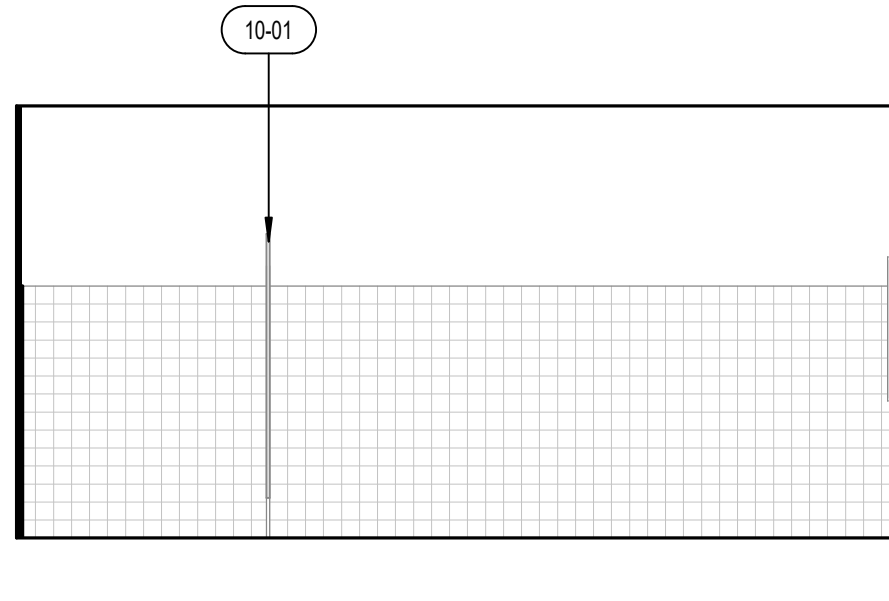
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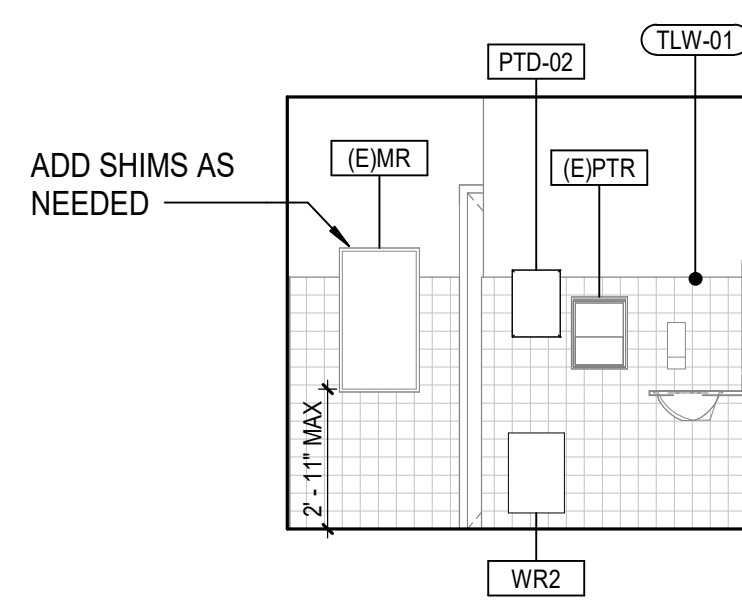
14 INT ELEV - B-218 - MEN'S RESTROOM N  
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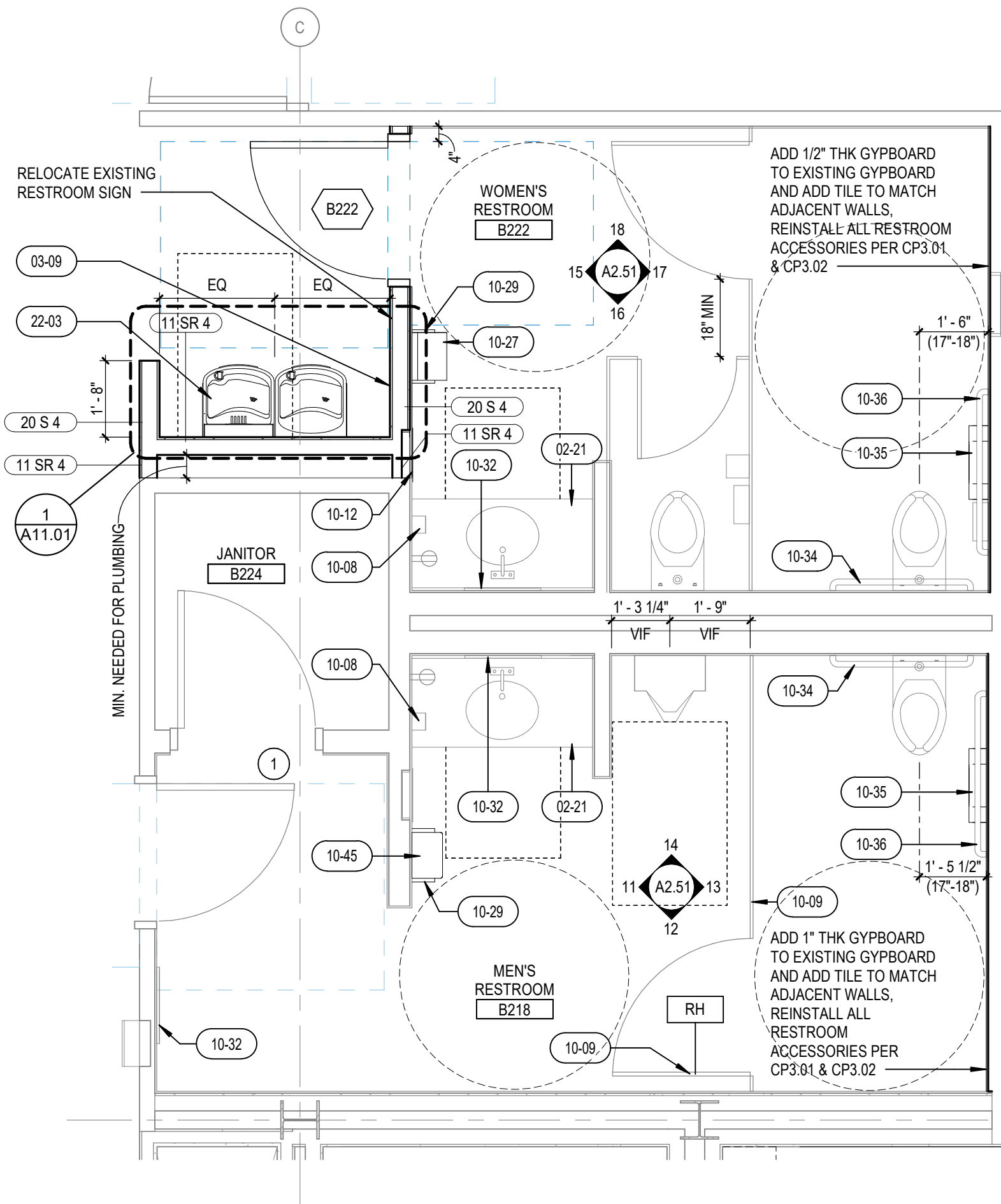
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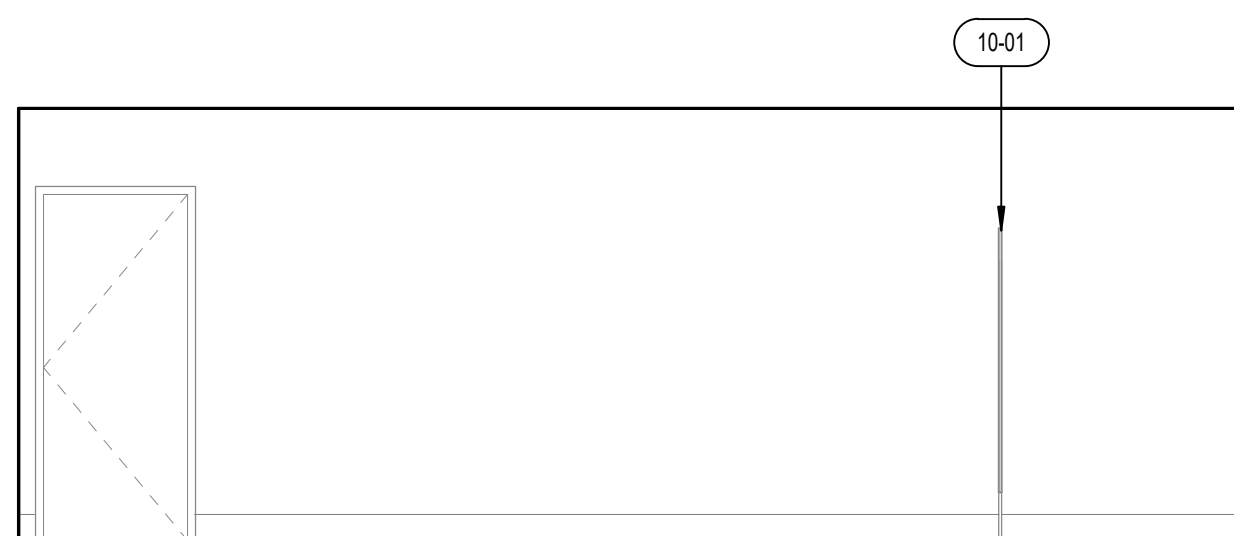
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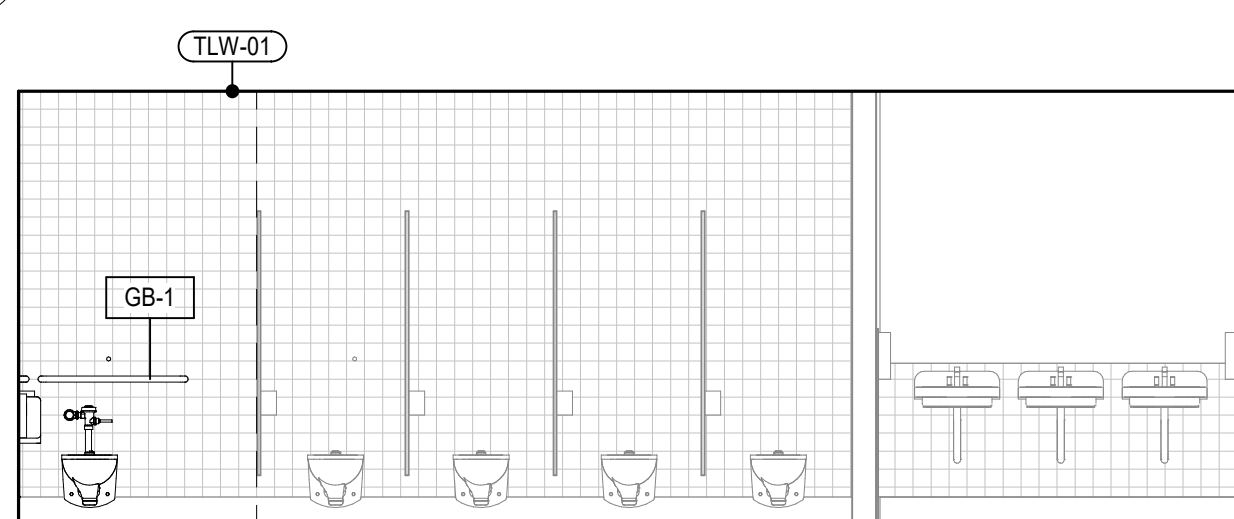
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A2.51 / SCALE: 1/4" = 1'-0"



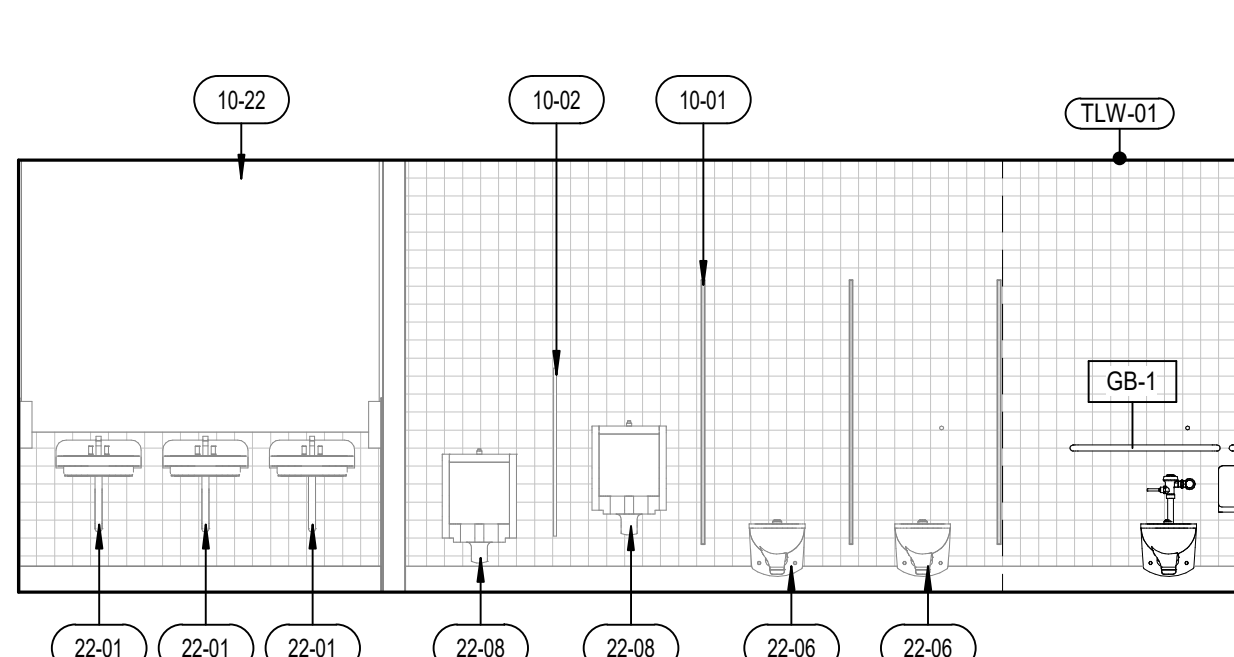
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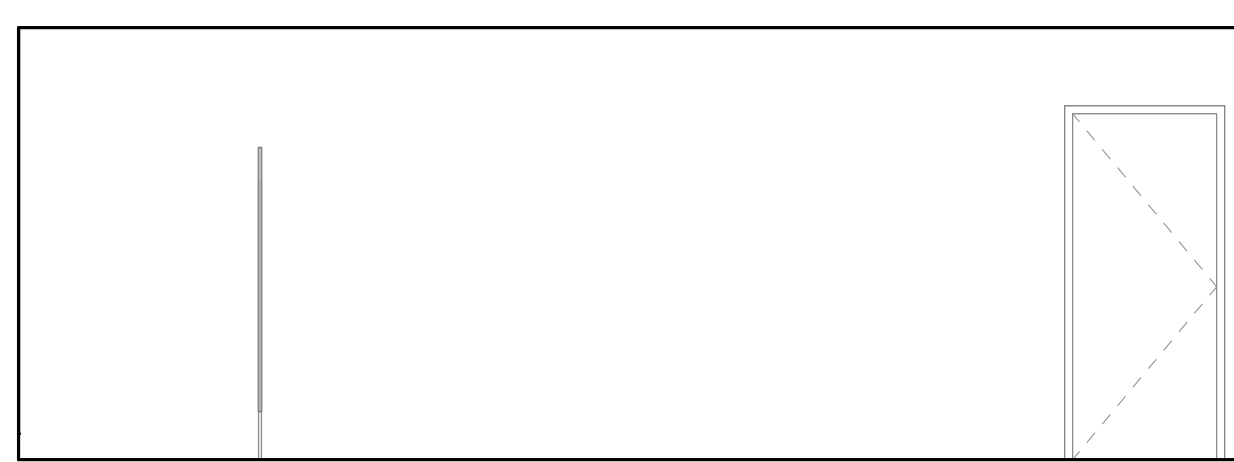
9 INT ELEV - BFL101D - WOMEN'S RESTROOM N  
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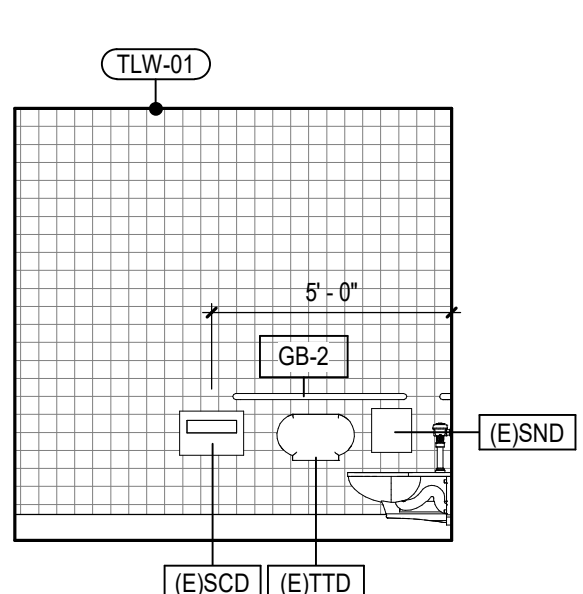
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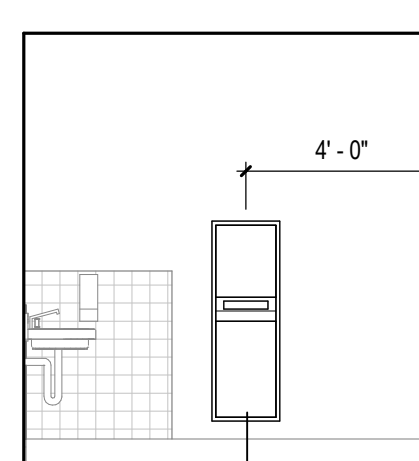
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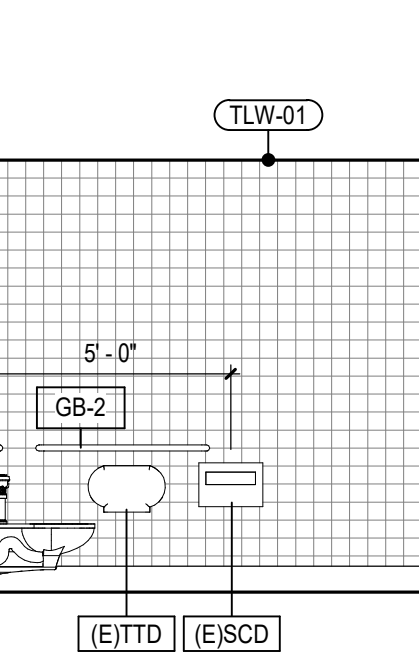
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A2.51 / SCALE: 1/4" = 1'-0"



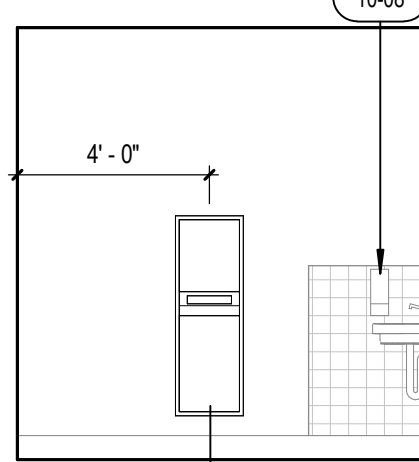
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A2.51 / SCALE: 1/4" = 1'-0"



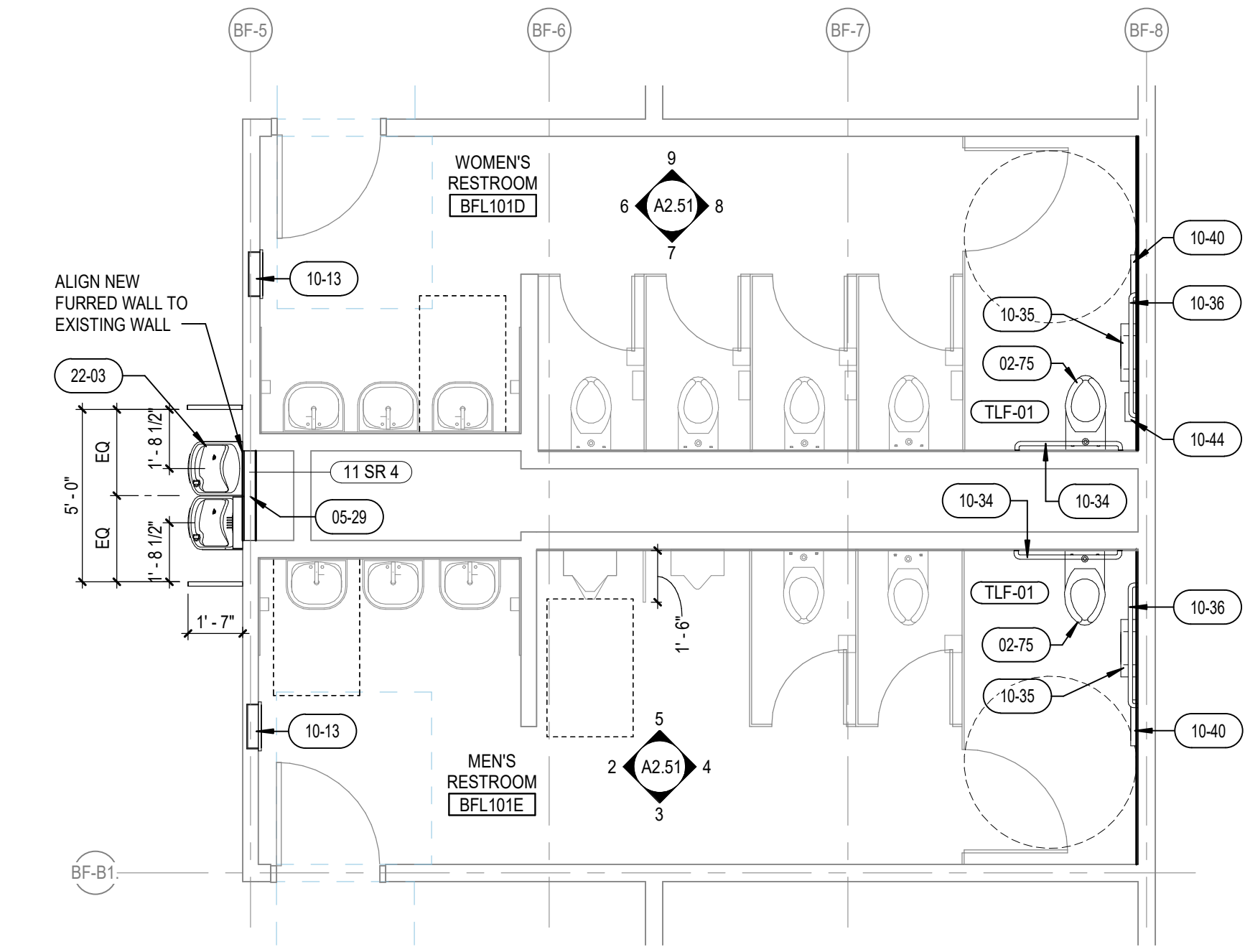
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A2.51 / SCALE: 1/4" = 1'-0"



4 INT ELEV - BFL101E - MEN'S RESTROOM E  
A2.51 / SCALE: 1/4" = 1'-0"



2 INT ELEV - BFL101E - MEN'S RESTROOM W  
A2.51 / SCALE: 1/4" = 1'-0"



1 PARTIAL PLAN - BFL - RESTROOMS  
A2.51 / SCALE: 1/4" = 1'-0"

## LEGEND AND NOTES

### GENERAL ARCHITECTURAL NOTES

- WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS: (WF XX-F) SEE SHEET A8.00 FOR WALL TYPES
- ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES
- PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATINGS OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
- FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS: I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. SEE STRUCTURAL DRAWINGS FOR BACKING PLATE REQUIREMENTS.
- GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE SPECIFICATIONS AND 1A11.01.
- PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33 AND S6.2 TO S6.3.
- WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONTRACTOR SHALL VERIFY PRODUCTS WITH OWNER AND ARCHITECT, INCLUDING BUT NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIMS. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
- PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
- VERIFY DOOR CLOSING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN 5PSF AT ALL DOORS WITHIN THE LIMIT OF WORK.
- TYPICAL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (NEW AND EXISTING), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS. DIMENSIONS NOT FOLLOWING TYPICAL CONVENTIONS WILL BE NOTED OTHERWISE.
- FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

### REFERENCE KEYNOTES

- 02-21 REMOVE EXISTING WALL HUNG SOLID SURFACE COUNTER AND DROP IN BOWLS AND FAUCETS AND RAISE/LOWER TO HEIGHTS INDICATED ON RESTROOM INTERIOR ELEVATIONS
- 02-47 EXISTING FIRE ALARM DEVICE TO REMAIN, TYP
- 02-75 REPLACE WALL-MOUNTED TOILET WITH NEW TOILET AND INSTALL SO THAT THE CENTERLINE OF THE FIXTURE IS 17'-0" FROM THE SIDE WALL OPPOSITE THE SIDE THE DOOR IS ON
- 03-09 CONCRETE CURB
- 05-29 PROVIDE BACKING FOR DRINKING FOUNTAIN MOUNTING
- 10-01 EXISTING RESTROOM PARTITION TO REMAIN, TYP
- 10-02 EXISTING URINAL SCREEN TO REMAIN, TYP
- 10-08 EXISTING WALL-MOUNTED SOAP DISPENSER TO REMAIN
- 10-09 ROBE HOOK
- 10-12 NEW WALL MOUNTED PAPER TOWEL DISPENSER
- 10-13 NEW PAPER TOWEL DISPENSER/WASTE RECEPTACLE (SEMI-RECESSED) TO MATCH EXISTING IN RESTROOM B-205
- 10-22 EXISTING MIRROR TO REMAIN
- 10-27 RELOCATE PAPER TOWEL DISPENSER SO THAT THE TOP OF THE OPERABLE PART IS 40" AFF MAX
- 10-29 NEW SURFACE-MOUNTED WASTE RECEPTACLE
- 10-32 LOWER EXISTING MIRROR TO HAVE BOTTOM OF REFLECTIVE SURFACE TO BE 40" AFF MAX
- 10-34 RELOCATE EXISTING 36" REAR GRAB BAR TO BE 12" TOWARDS PARALLEL WALL FROM CENTERLINE OF WATER CLOSET AND 24" TOWARDS OPEN/TRANSFER SIDE FROM CENTERLINE OF WATER CLOSET. SEE DETAIL S/CP3.01
- 10-35 RELOCATE TOILET PAPER DISPENSER 1 1/2" INCHES MIN BELOW GRAB BAR WITH CENTERLINE 8" FROM FRONT EDGE OF WATER CLOSET. LOCATE TOILET PAPER DISPENSER 19" AFF MIN. SEE DETAIL CP3.01
- 10-36 RELOCATE EXISTING 42" PARALLEL WALL GRAB BAR 12" ABSOLUTE FROM REAR WALL TO CENTERLINE OF ESCUTCHEON PLATE. SEE DETAIL S/CP3.01
- 10-40 RELOCATE EXISTING TOILET SEAT COVER DISPENSER SO THAT THE TOP OF OPENING IS 40" AFF MAX
- 10-44 RELOCATE EXISTING SANITARY NAPKIN DISPOSAL TO BE BETWEEN THE TOILET PAPER DISPENSER AND THE REAR WALL OF THE TOILET. TOP OF OPENING SHOULD BE 19" AFF MIN
- 10-45 REPLACE EXISTING PAPER TOWEL DISPENSER WITH A DISPENSER THAT HAS A DEPTH OF 8" OR LESS. BOD: KIMBERLY CLARK
- 22-01 EXISTING SINK AND FAUCET TO REMAIN
- 22-03 NEW DRINKING FOUNTAIN/BOTTLE FILLER (S.P.D.)
- 22-06 EXISTING WATER CLOSET TO REMAIN
- 22-08 EXISTING URINAL TO REMAIN

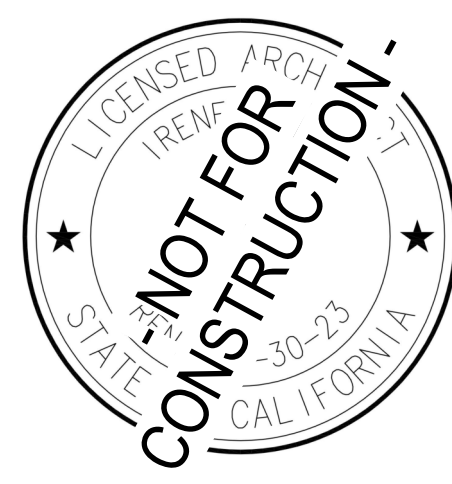
### PLAN LEGEND

- EXISTING WALLS
- NEW WALLS
- EXISTING 1-HR RATED WALLS
- NOT IN SCOPE
- LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING)

### TOILET ACCESSORIES SCHEDULE

ABBREV	DESCRIPTION	MANUFACTURER / MODEL
(E)	EXISTING	
GB-1	GRAB BAR (BACK WALL) - 42" LENGTH	BOBRICK B-6806
GB-2	GRAB BAR (SIDE WALL) - 48" LENGTH	BOBRICK B-6806
MR	MIRROR, FRAMELESS	BOBRICK B-1558
MR/S	MIRROR WITH SHELF	BOBRICK B-2090
PTD1	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	BRADLEY B-3644
PTD2	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	KIMBERLY CLARK 09696
PTD3	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	GEORGIA PACIFIC 54338A
PWR	PAPER TOWEL DISPENSER, RECESSED	BOBRICK B-7360
PWS	COMBINATION TOWEL DISPENSER/RECEPTACLE, RECESSED	BOBRICK B-359
RH	ROBE HOOK	BOBRICK B-3003
SCD	SEAT COVER DISPENSER, SURFACE-MOUNTED	BOBRICK B-3944
SCR	SEAT COVER DISPENSER, RECESSED	BRADLEY 9114-US
SD	SOAP DISPENSER, SURFACE-MOUNTED	BOBRICK B-221
SD1	SANITARY NAPKIN DISPOSAL	BOBRICK B-301
SD2	SANITARY NAPKIN DISPOSAL	GOJO ADX-12
SNV1	SANITARY NAPKIN VENDOR	CONFIDENTIAL 250W
SNV2	SANITARY NAPKIN VENDOR	BOBRICK B-270
SSS	STAINLESS STEEL SHELF	GAMCO 352 25
TTD	TOILET TISSUE DISPENSER, SURFACE-MOUNTED	ASI 24064
WR1	WASTE RECEPTACLE, RECESSED	BRADLEY S449
WR2	WASTE RECEPTACLE, SURFACE-MOUNTED	PALMER FIXTURE RD0027
		BOBRICK B-3644
		BRADLEY 357

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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

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CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

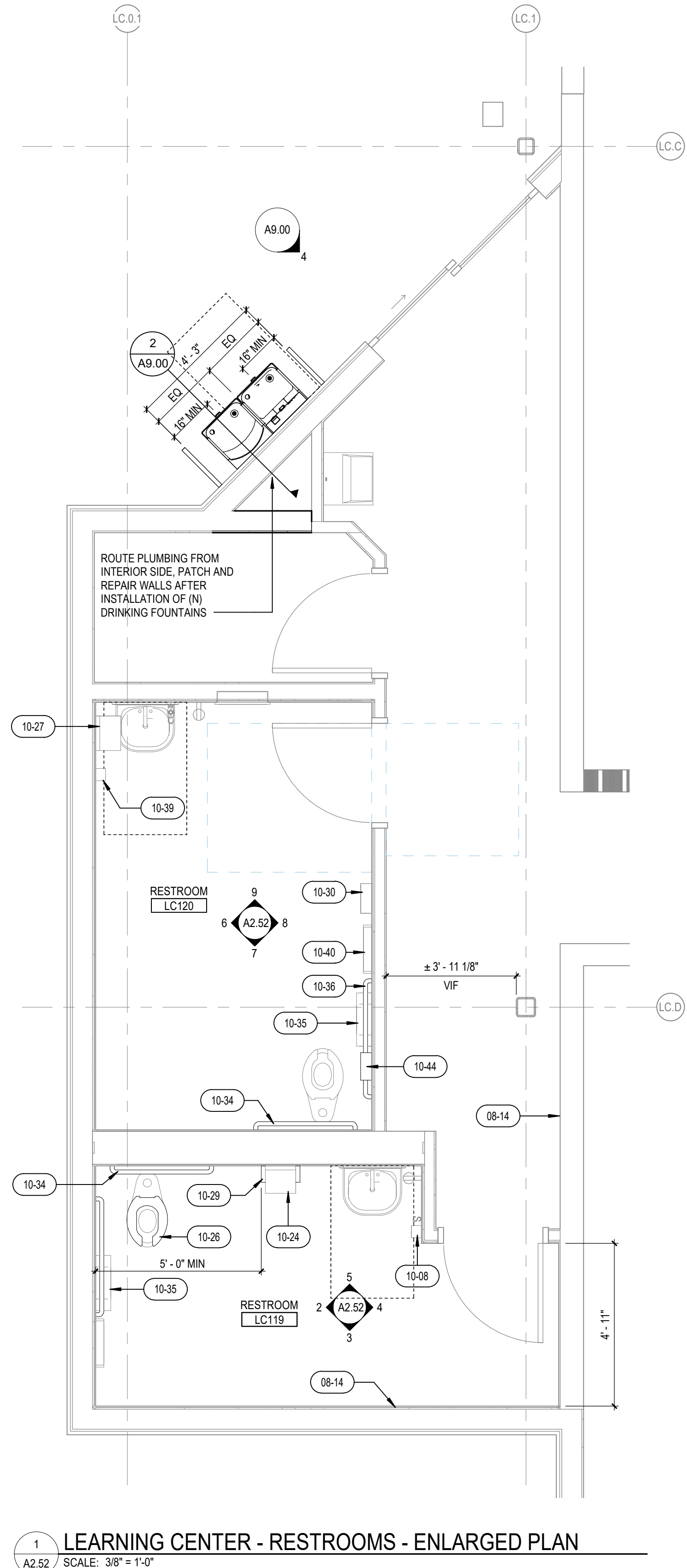
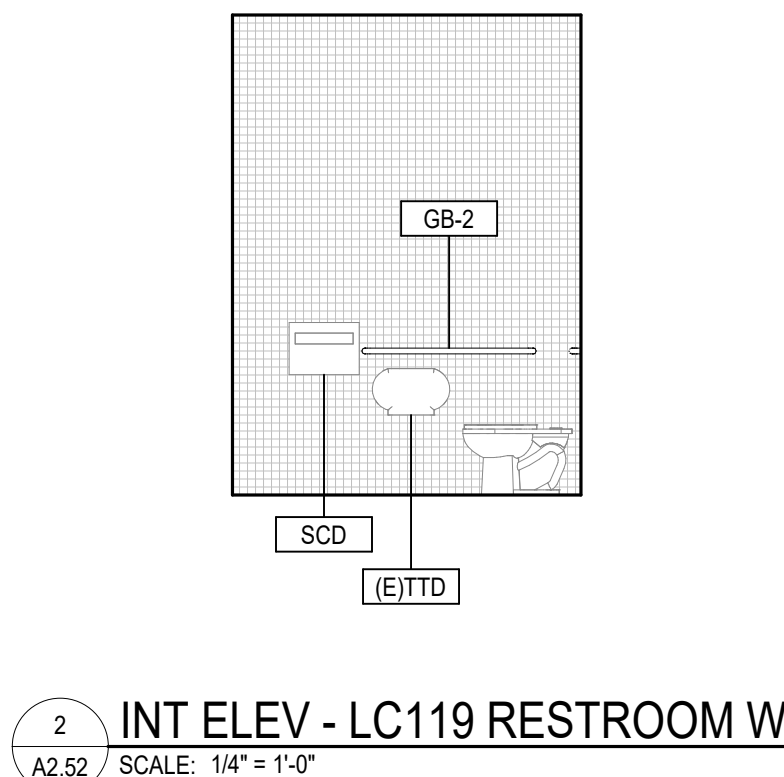
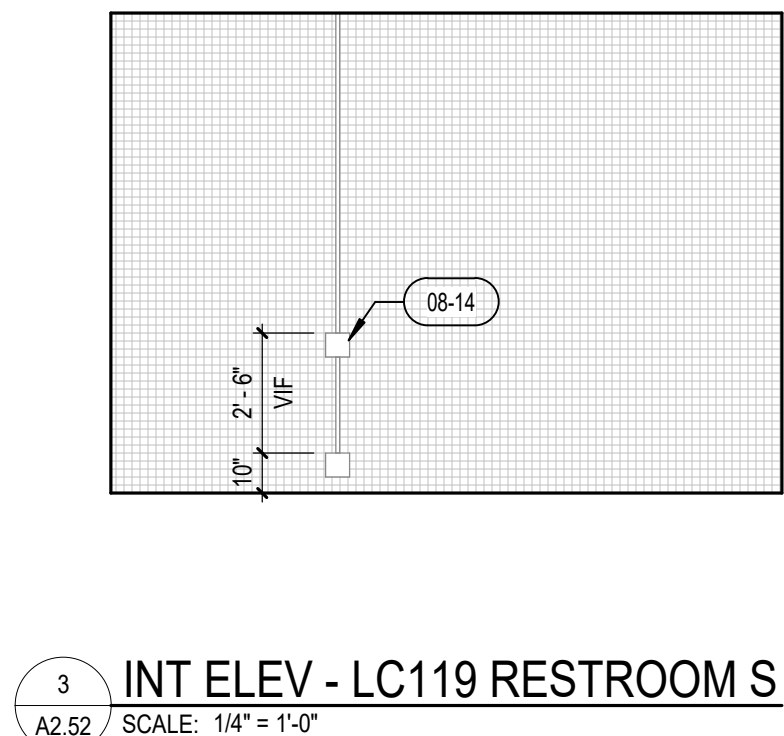
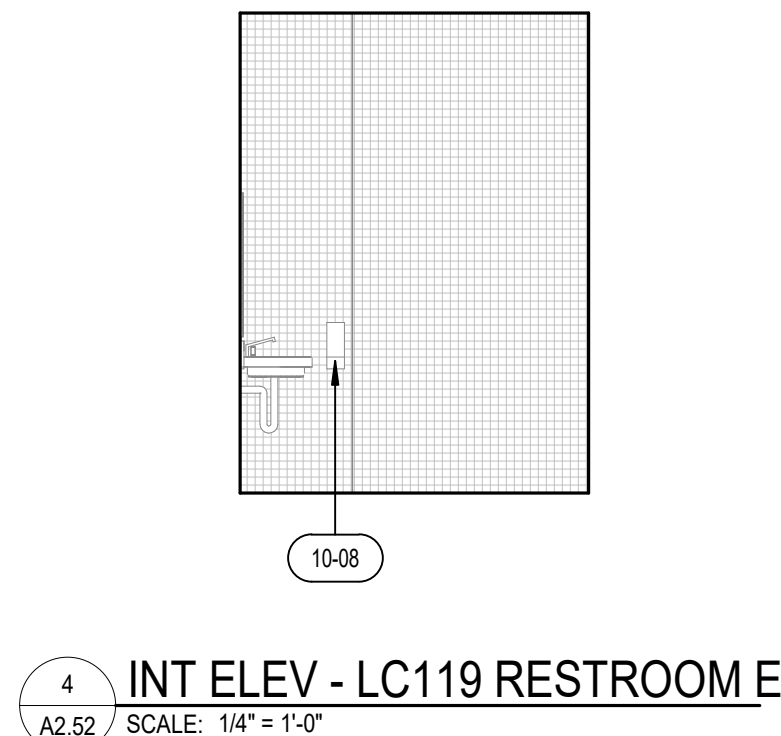
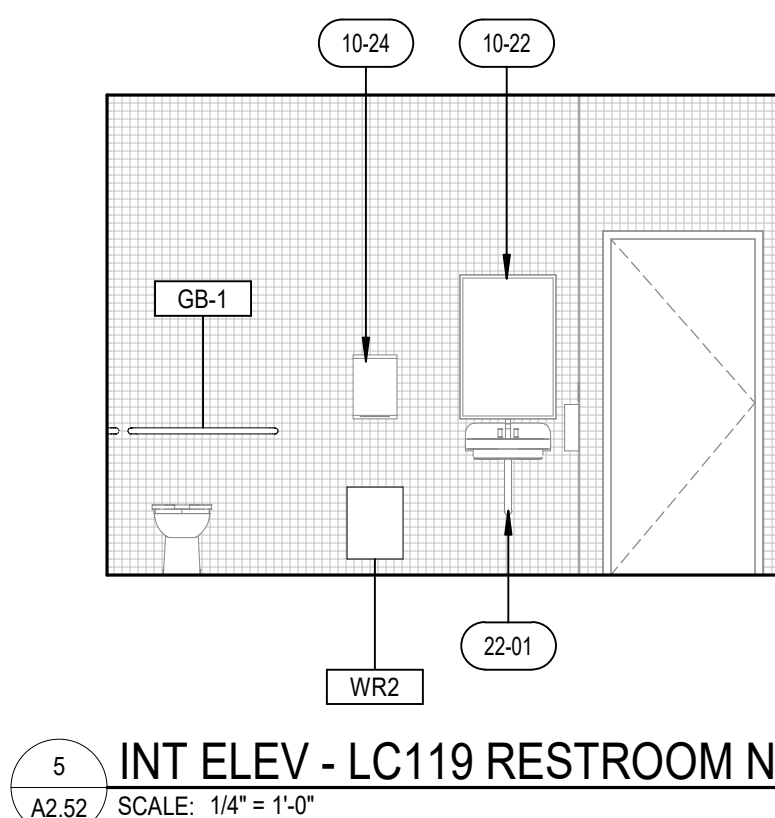
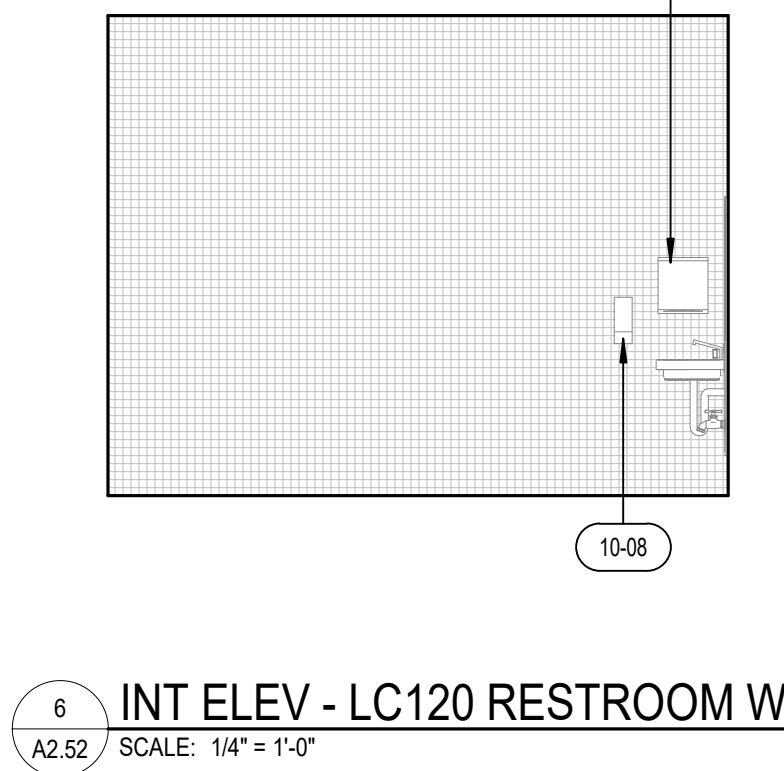
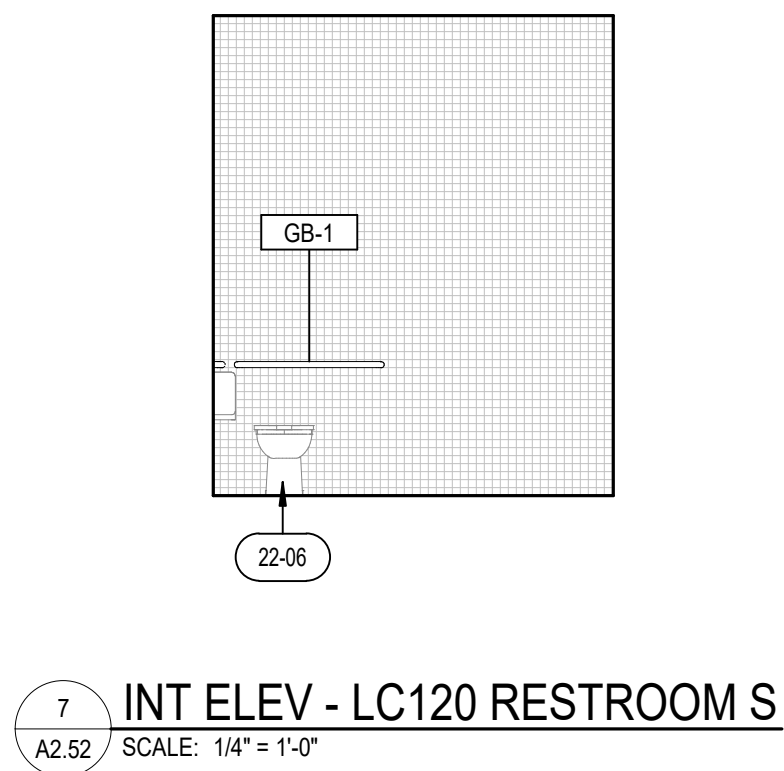
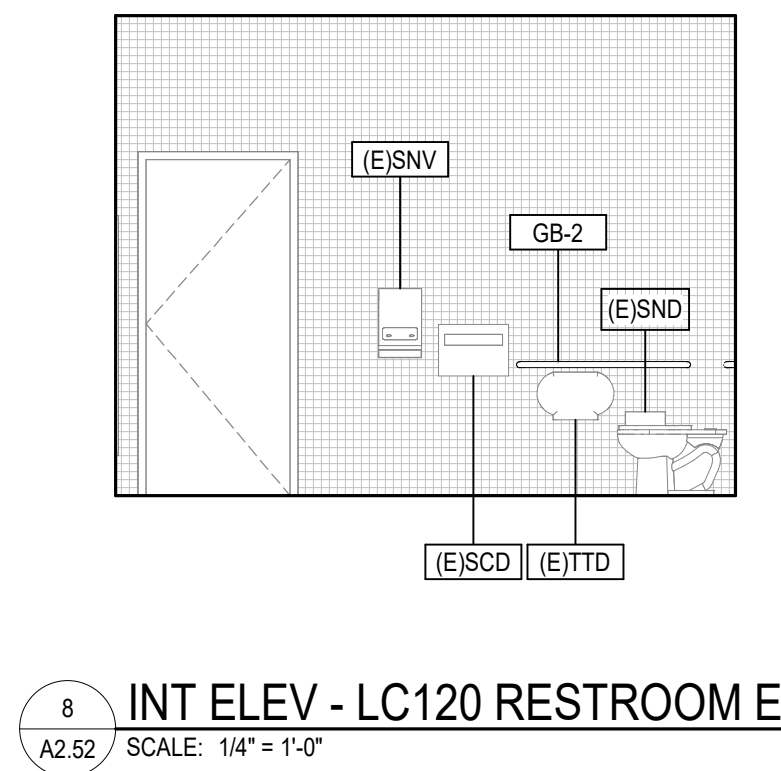
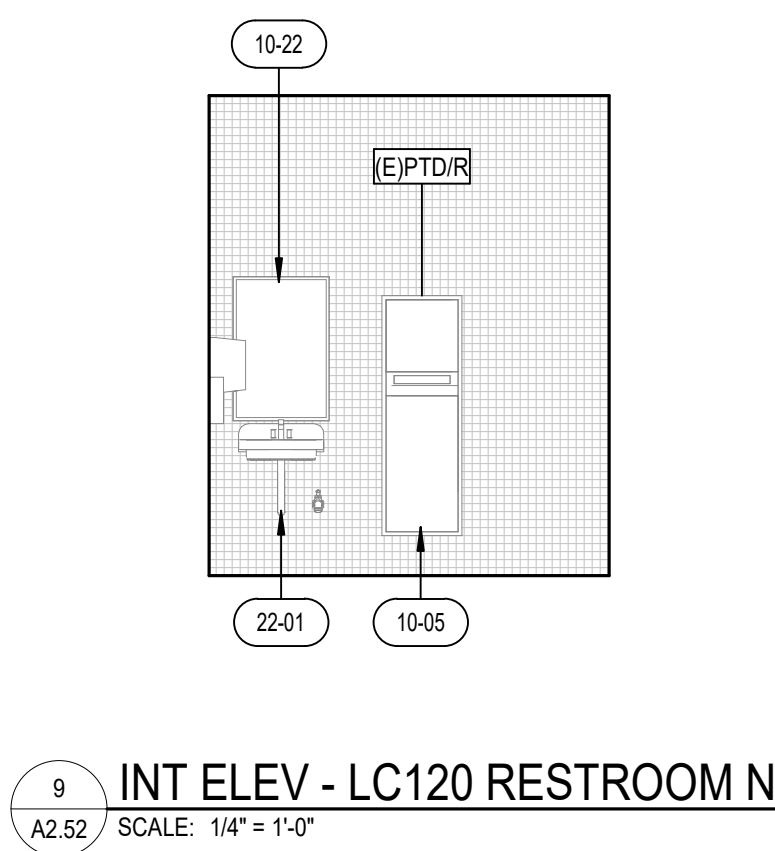
DLR GROUP PROJECT NUMBER:  
75-21809-00

PARTIAL FLOOR PLANS -  
RESTROOMS

A2.51



**NOTE:**  
AT RESTROOMS, WHEN MODIFICATIONS OR DEMOLITION OF WALL FRAMING AND/OR WALL & FLOOR FINISHES ARE REQUIRED, THE PATCH AND REPAIR SHALL EXTEND TO A DATUM POINT ESTABLISHED BY THE ARCHITECT TO TERMINATE FINISHES. BOUNDARIES BETWEEN EXISTING AND NEW FINISHES SHALL BE ESTABLISHED IN RELATIONSHIP TO NEARBY ELEMENTS, INCLUDING BUT NOT LIMITED TO WALLS, RESTROOM PARTITIONS, RESTROOM ACCESSORIES AND EXISTING FINISH EXTENTS.



## LEGEND AND NOTES

### GENERAL ARCHITECTURAL NOTES

1. WALL TYPES SHALL BE DESIGNATED ON FLOOR PLANS THUS:  
(E) X (Y) SEE SHEET A8.00 FOR WALL TYPES
2. ALL INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLAN NOTES.
3. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATINGS OF RESPECTIVE WALLS. SEE DETAILS ON SHEET A11.00.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL OR WOOD STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS: I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AUDIO VISUAL BRACKETS, DRINKING FOUNTAINS AND OTHER WALL ATTACHED ITEMS. SEE STRUCTURAL DRAWINGS FOR BACKING PLATE REQUIREMENTS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DESCRIBED IN THE SPECIFICATIONS AND 1A11.01.
6. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK OR FLOOR ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
7. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS. SEE SHEETS A11.30 TO A11.33, AND S6.2 TO S6.3.
8. WHERE FINISHES ARE NEEDED FOR PATCH AND REPAIR TO MATCH EXISTING, CONTRACTOR SHALL VERIFY PRODUCTS WITH OWNER AND ARCHITECT, INCLUDING BUT NOT LIMITED TO TILE, CARPET, PAINT AND WOOD TRIMS. CHECK WITH OWNER TO VERIFY IF NO EXISTING STOCK REMAINS.
9. PATCH AND REPAIR ALL AREAS THAT REQUIRE PARTIAL TO COMPLETE WORK. PATCH AND REPAIR ALL AREAS THAT GET DAMAGED DURING CONSTRUCTION TO MATCH EXISTING OR ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO WALLS, CEILINGS, FINISHES, FLOORING AND PAINT, UNLESS OTHERWISE NOTED.
10. VERIFY DOOR CLOSING SPEED IS 5 SECONDS MINIMUM FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH AND OPERATING FORCE IS LESS THAN 5PSF AT ALL DOORS WITHIN THE LIMIT OF WORK.
11. TYPICAL DIMENSIONS ARE TAKEN FROM FACE OF FINISH (NEW AND EXISTING), GRIDLINES WHERE APPLICABLE. EDGES OF ELEMENTS AND CENTERLINES OF ELEMENTS. DIMENSIONS NOT FOLLOWING TYPICAL CONVENTIONS WILL BE NOTED OTHERWISE.
12. FINISHES INDICATED WITH (XXX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

### REFERENCE KEYNOTES

- |       |   |
|-------|---|
| 08-14 | VERIFY AND ENSURE EXISTING AUTOMATIC DOOR OPERATOR IS CONNECTED TO POWER AND FUNCTIONS PROPERLY   |
| 10-05 | EXISTING TOILET PAPER SEAT COVER DISPENSER COMBO TO REMAIN  |
| 10-08 | EXISTING WALL-MOUNTED SOAP DISPENSER TO REMAIN  |
| 10-22 | EXISTING MIRROR TO REMAIN   |
| 10-24 | EXISTING PAPER TOWEL DISPENSER TO REMAIN  |
| 10-26 | REPLACE EXISTING TOILET SEAT WITH THINNER TOILET SEAT SO THAT THE TOP OF THE TOILET SEAT IS 19" AFF MAX   |
| 10-27 | RELOCATE PAPER TOWEL DISPENSER SO THAT THE TOP OF THE OPERABLE PART IS 40" AFF MAX  |
| 10-29 | NEW SURFACE-MOUNTED WASTE RECEPTACLE  |
| 10-30 | EXISTING FEMININE PRODUCT DISPENSER TO REMAIN   |
| 10-34 | RELOCATE EXISTING 36" REAR GRAB BAR TO BE 12" TOWARDS PARALLEL WALL FROM CENTERLINE OF WATER CLOSET AND 24" TOWARDS OPEN/TRANSFER SIDE FROM CENTERLINE OF WATER CLOSET, SEE DETAIL S03.01 |
| 10-35 | RELOCATE TOILET PAPER DISPENSER 1 1/2" INCHES MIN BELOW GRAB BAR WITH CENTERLINE 8" FROM FRONT EDGE OF WATER CLOSET. LOCATE TOILET PAPER DISPENSER 19" AFF MIN, SEE DETAIL CP3.01         |
| 10-36 | RELOCATE EXISTING 42" PARALLEL WALL GRAB BAR 12" ABSOLUTE FROM REAR WALL TO CENTERLINE OF ESCUTOCHRON PLATE, SEE DETAIL S03.01  |
| 10-39 | LOWER SOAP DISPENSER TO HAVE HIGHEST OPERABLE PART 40" AFF MAX  |
| 10-40 | RELOCATE EXISTING TOILET SEAT COVER DISPENSER SO THAT THE TOP OF OPENING IS 40" AFF MAX   |
| 10-44 | RELOCATE EXISTING SANITARY NAPKIN DISPOSAL TO BE BETWEEN THE TOILET PAPER DISPENSER AND THE REAR WALL OF THE TOILET. TOP OF OPENING SHOULD BE 19" AFF MIN                                 |
| 22-01 | EXISTING SINK AND FAUCET TO REMAIN  |
| 22-06 | EXISTING WATER CLOSET TO REMAIN   |

### PLAN LEGEND

- |  |  |
|--|--|
|  | EXISTING WALLS   |
|  | NEW WALLS  |
|  | EXISTING 1-HR RATED WALLS  |
|  | NOT IN SCOPE   |
|  | LIMIT OF WORK (AREA OF ALTERATION OF EACH ROOM AS IT PERTAINS TO EACH DRAWING) |

### TOILET ACCESSORIES SCHEDULE

ABBREVIATION	DESCRIPTION	MANUFACTURER / MODEL
(E)	EXISTING	
GB-1	GRAB BAR (BACK WALL) - 42" LENGTH	BOBRICK B-6806
GB-2	GRAB BAR (SIDE WALL) - 48" LENGTH	BOBRICK B-6806
MF	MIRROR, FRAMELESS	BOBRICK B-1558
MR	MIRROR	BOBRICK B-200
MRIS	MIRROR WITH SHELF	BRADLEY B-3644
PTD1	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	KIMBERLY CLARK 09996
PTD2	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	GEORGIA PACIFIC 54338A
PTD3	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	BOBRICK B-73860
PTR	PAPER TOWEL DISPENSER, RECESSED	BOBRICK B-359
PWR	COMBINATION TOWEL DISPENSER/RECEPTACLE, RECESSED	BOBRICK B-3003
PWS	COMBINATION TOWEL DISPENSER/RECEPTACLE, SEMI-RECESSED	BOBRICK B-3944
RH	ROBE HOOK	BRADLEY 9114-US
SCD	SEAT COVER DISPENSER, SURFACE-MOUNTED	BOBRICK B-221
SCR	SEAT COVER DISPENSER, RECESSED	BOBRICK B-301
SD	SOAP DISPENSER, SURFACE-MOUNTED	GOJO ADX-12
SDN1	SANITARY NAPKIN DISPOSAL	CONFIDENTIAL 250W
SDN2	SANITARY NAPKIN DISPOSAL	BOBRICK B-270
SNV1	SANITARY NAPKIN VENDOR	GAMCO 352 25
SNV2	SANITARY NAPKIN VENDOR	ASI 20454
SSS	STAINLESS STEEL SHELF	BRADLEY S449
TTD	TOILET TISSUE DISPENSER, SURFACE-MOUNTED	PALMER FIXTURE RD0027
WR1	WASTE RECEPTACLE, RECESSED	BOBRICK B-3644
WR2	WASTE RECEPTACLE, SURFACE-MOUNTED	BRADLEY 357

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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student Success, & Health Services Renovation**  
CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

### BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

PARTIAL FLOOR PLANS -  
RESTROOMS

**A2.52**



BM 360/775-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Print Shop\_AR\_2020.rvt  
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1 BOOKSTORE - ROOF PLAN  
A2.91 SCALE: 1/8" = 1'-0"

LEGEND AND NOTES

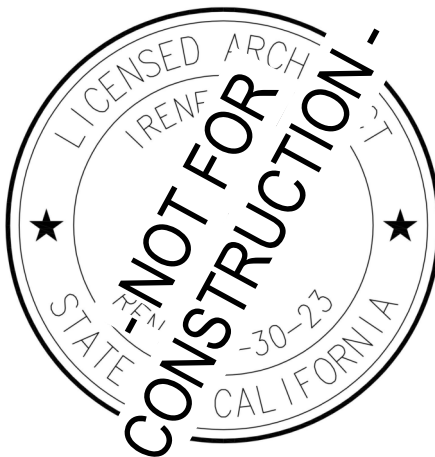
INTERIOR FINISH PLAN  
GENERAL NOTES

- A. ROOM FINISH SCHEDULE GENERAL NOTES APPLY TO ALL ROOM FINISH SCHEDULE SHEETS.
- B. INTERIOR FINISH PLAN GENERAL NOTES APPLY TO ALL INTERIOR FINISH PLAN SHEETS.
- C. NOT ALL FLOOR AND WALL FINISHES ARE NOTED ON THE INTERIOR FINISH PLANS. SEE ROOM FINISH SCHEDULE FOR FLOOR AND WALL FINISHES NOT NOTED.
- D. FLOOR PATTERN DIMENSIONS AND LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENTS MAY BE MADE FOR LAYOUT AND TO MINIMIZE WASTE AS LONG AS THE DESIGN INTENT IS MAINTAINED.
- E. FOR FLOOR TILE PRODUCTS, ADJUST LAYOUT AS NECESSARY TO AVOID USING CUT WIDTHS THAT EQUAL LESS THEN ONE-HALF OF A TILE AT ROOM PERIMETER.
- F. FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

REFERENCE KEYNOTES

- 23-02 NEW ROOF PENETRATION AND ROOFTOP MECHANICAL EQUIPMENT (S.S.D. AND S.M.D.)

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BID SET

03/28/2022  
Revisions

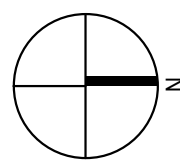
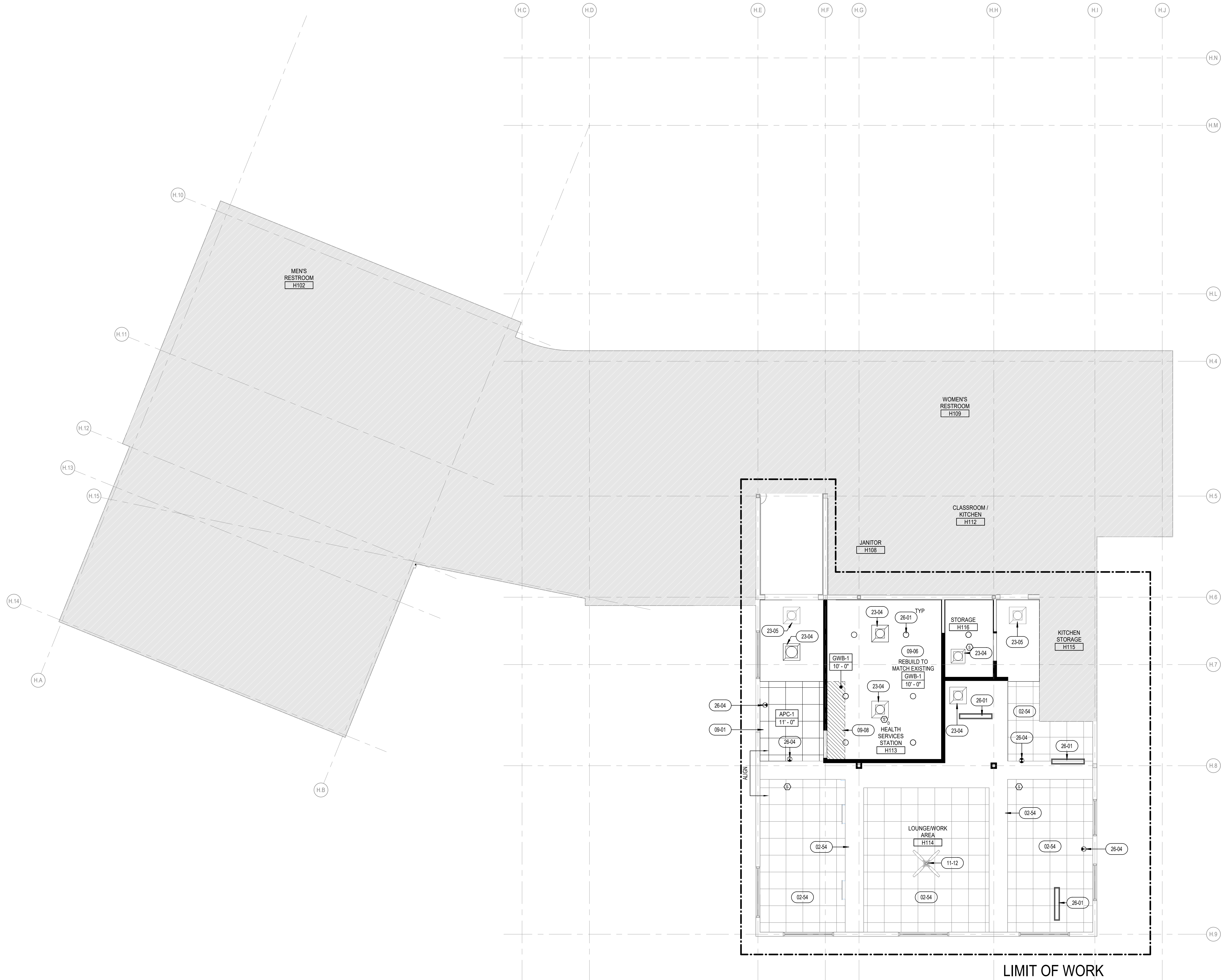
DLR GROUP PROJECT NUMBER:  
75-21809-00

PRINT SHOP - BOOKSTORE -  
ROOF PLAN

A2.91



BM 360/75-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Prt Shop\_AR\_2020.rvt  
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1  
A3.10  
SCALE: 3/16" = 1'-0"  
STUDENT UNION BLDG - REFLECTED CEILING PLAN - LEVEL 1

## LEGEND AND NOTES

### REFLECTED CEILING PLAN GENERAL NOTES

- A. REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.  
B. ALL CEILING GRIDS/PANELS SHALL BE CENTERED IN EACH ROOM UNLESS NOTED OTHERWISE.  
C. CEILING HEIGHTS ARE NOTED ON THE REFLECTED CEILING PLANS ARE MEASURED FROM THE FINISH FLOOR OF THE ROOM.  
D. ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 3-INCH RADIUS CENTERED BETWEEN CEILING TILE CENTERLINES.  
E. PROVIDE SUSPENSION SYSTEM AROUND ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, AND OTHER CEILING MOUNTED DEVICES AT ACOUSTICAL PANEL CEILINGS.  
F. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK AND ELECTRICAL FIXTURES WITH EACH REPRESENTATIVE SUBCONTRACTOR.  
G. FRAME ALL METAL AND WOOD STUDS UP TO UNDERSIDE OF FLOOR/ROOF DECK OR STRUCTURE. SEAL TIGHT AROUND GAPS AT TOP OF WALLS. DEMO CEILING AS NEEDED. PATCH AND REPAIR AREA TO MATCH ADJACENT AREAS.  
H. REPLACE LIGHTING FIXTURES WITH NEW FIXTURES AT EXISTING LOCATIONS. UNO

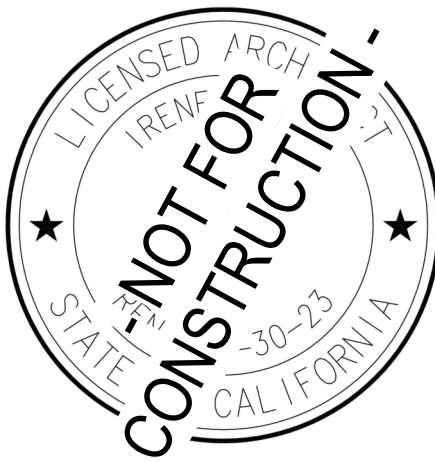
### REFERENCE KEYNOTES

- 02-54 EXISTING CEILING OR SOFFIT TO REMAIN  
09-01 NEW SUSPENDED ACP CEILING  
09-06 NEW FRAMED GYP CEILING. USE EXISTING FRAMING WHEN POSSIBLE. ADD ADDITIONAL FRAMING AND BRACING AS NEEDED  
09-08 THIS PORTION OF CEILING IS TO BE NEWLY FRAMED  
11-12 EXISTING CEILING FAN TO REMAIN  
23-04 NEW MECHANICAL REGISTER (S.M.D.)  
23-05 EXISTING MECHANICAL REGISTER TO REMAIN  
26-01 LIGHTING FIXTURE (S.E.D.)  
26-04 NEW EXIT SIGN (S.E.D.)

### RCP LEGEND

- EXISTING WALLS  
NEW WALLS  
EXISTING 1-HR RATED WALLS

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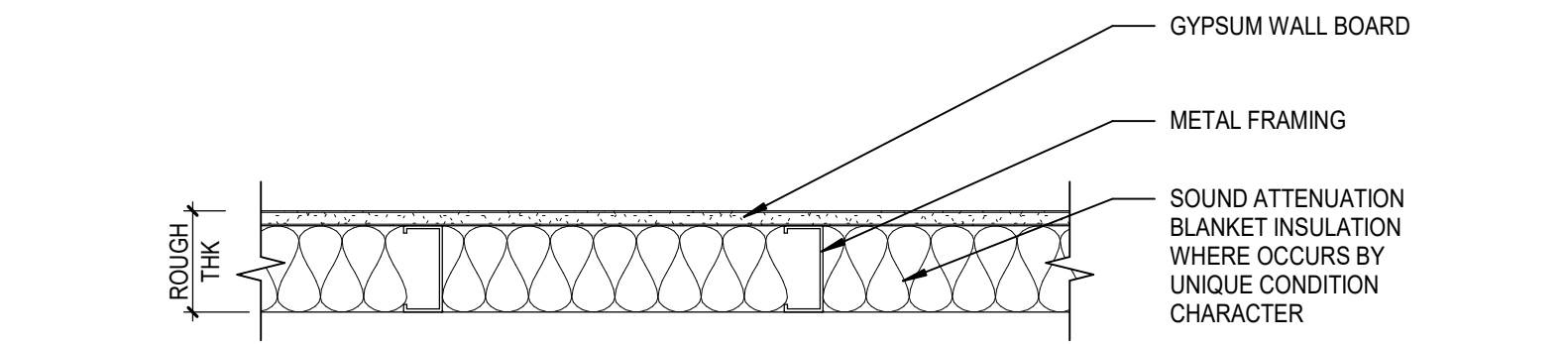
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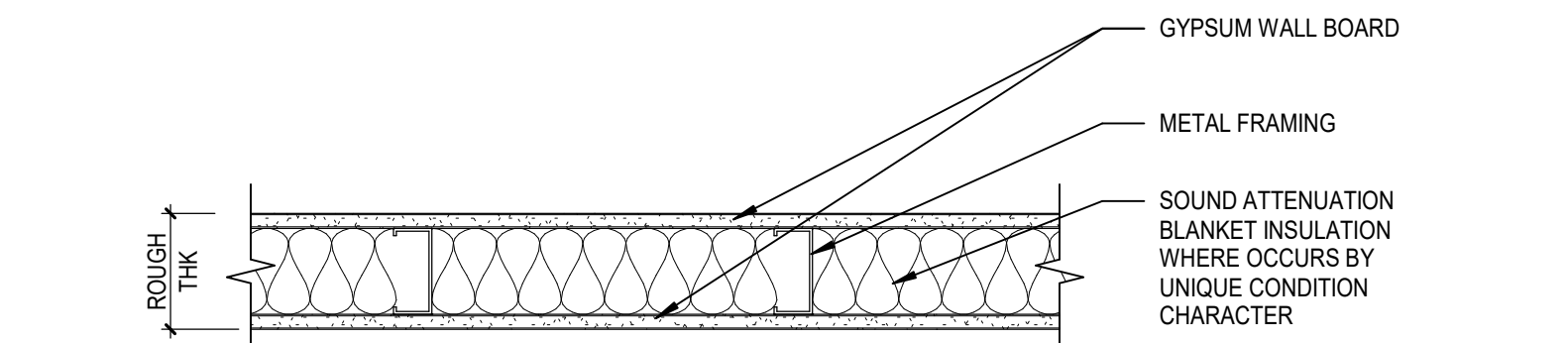
HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 REFLECTED CEILING  
PLAN

**A3.10**



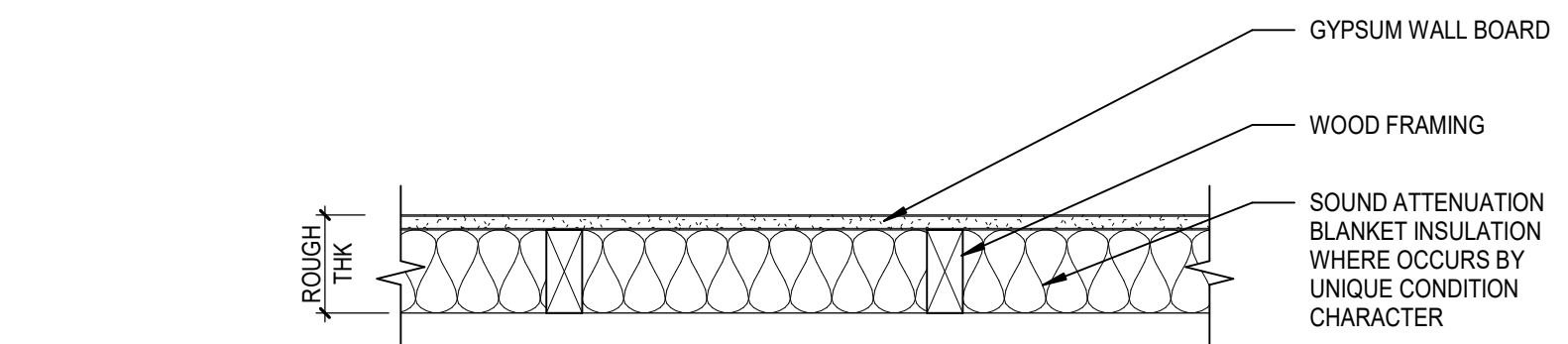


10S NON-RATED METAL STUD FURRING PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
10	SF	4	4 1/4"	NR	NA
COMMENTS					

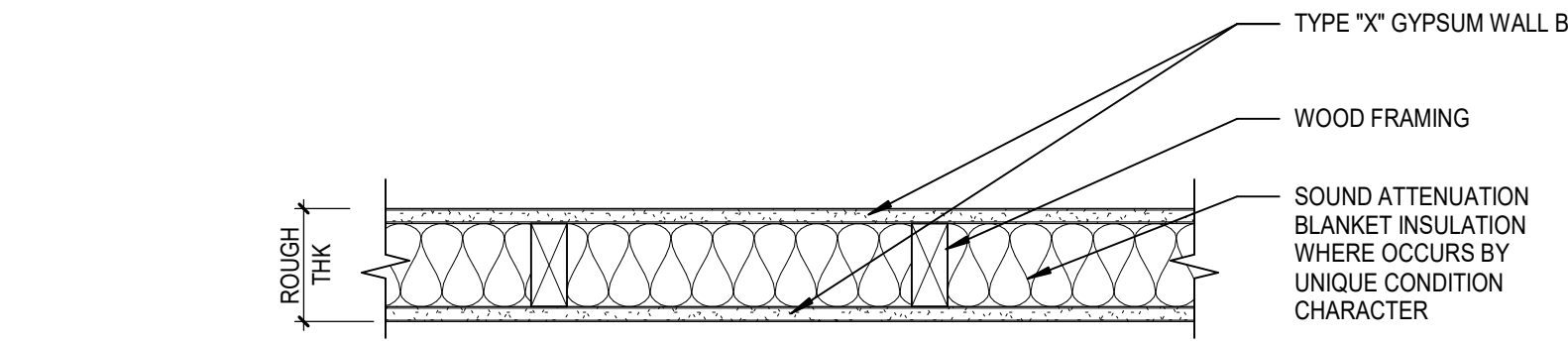


20S NON-RATED METAL STUD PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
20	S	2	3 3/4"	NR	NA
20	S	4	5 1/4"	NR	NA
COMMENTS					

11_SR_1-HOUR RATED STUD FURRING PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
11	SR	4	4 5/8"	1 HR	U493
COMMENTS					
1 HOUR RATING ONLY APPLIES WHEN ASSEMBLY IS ENCLOSED ON ALL SIDES					

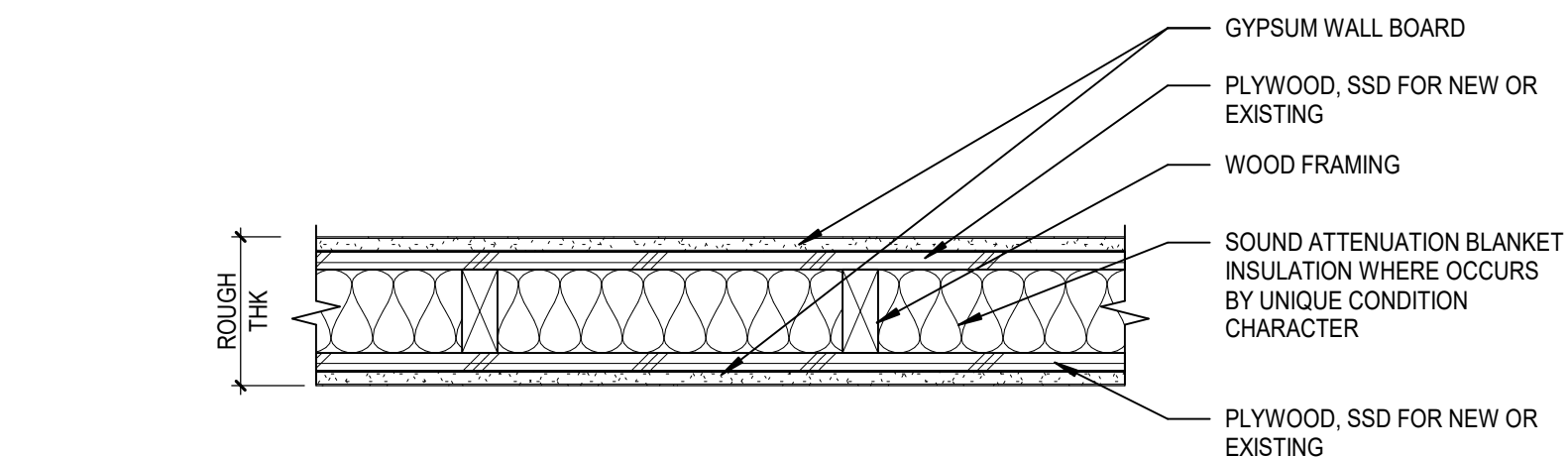


10WF_ NON-RATED WOOD STUD FURRING PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
10	WF	8	7 7/8"	NR	NA
COMMENTS					



20W NON-RATED STUD PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
20	W	4	4 3/4"	NR	NA
COMMENTS					

21WR 1-HOUR RATED WOOD STUD PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
21	WR	6	6 3/4"	1 HR	U305
COMMENTS					
WOOD STUDS @16" OC					



20WH NON-RATED WOOD STUD PARTITION					
MARK		ROUGH THICKNESS		FIRE/SMOKE	
				RATING	REFERENCE TESTED ASSEMBLIES
20	WH	6	8"	NA	NA
COMMENTS					
EXISTING FRAMING W/ NEW PLYWOOD AND GYP BOARD					

LEGEND AND NOTES

PARTITION TYPES DESCRIPTIONS

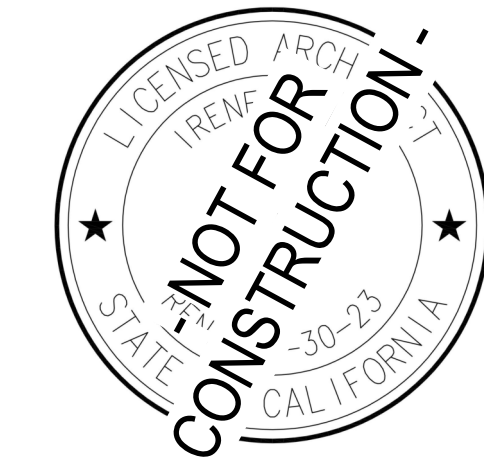
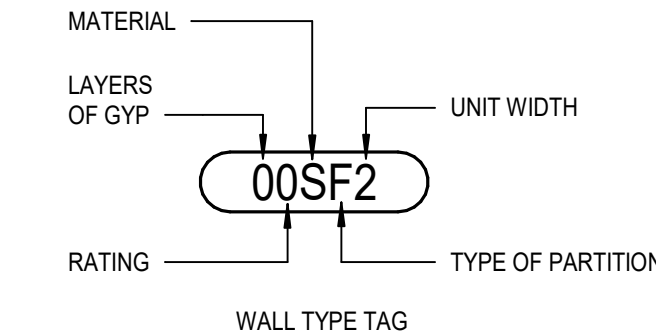
GYPSUM WALL BOARD INDICATOR  
(NOT INCLUDING SHAFT LINER)  
0 = NO GWB  
1 = ONE LAYER, ONE SIDE  
2 = ONE LAYER, EACH SIDE  
3 = TWO LAYERS ONE SIDE, ONE LAYER OTHER  
4 = TWO LAYERS, EACH SIDE  
5 = TWO LAYERS ONE SIDE, NO GWB OTHER

RATING  
0 = NOT RATED  
1 = 1-HOUR RATED

MATERIAL DESCRIPTION  
S = STEEL (METAL STUDS)  
W = WOOD STUDS

TYPE OF PARTITION  
F = FURRING  
H = SHEAR WALL W/ 2 LAYERS OF PLYWOOD SHEATHING (ALSO SSD)  
R = RATED

UNIT WIDTH  
2 = 2-1/2" STUD  
4 = 4" STUD  
6 = 6" STUD  
8 = 8" STUD



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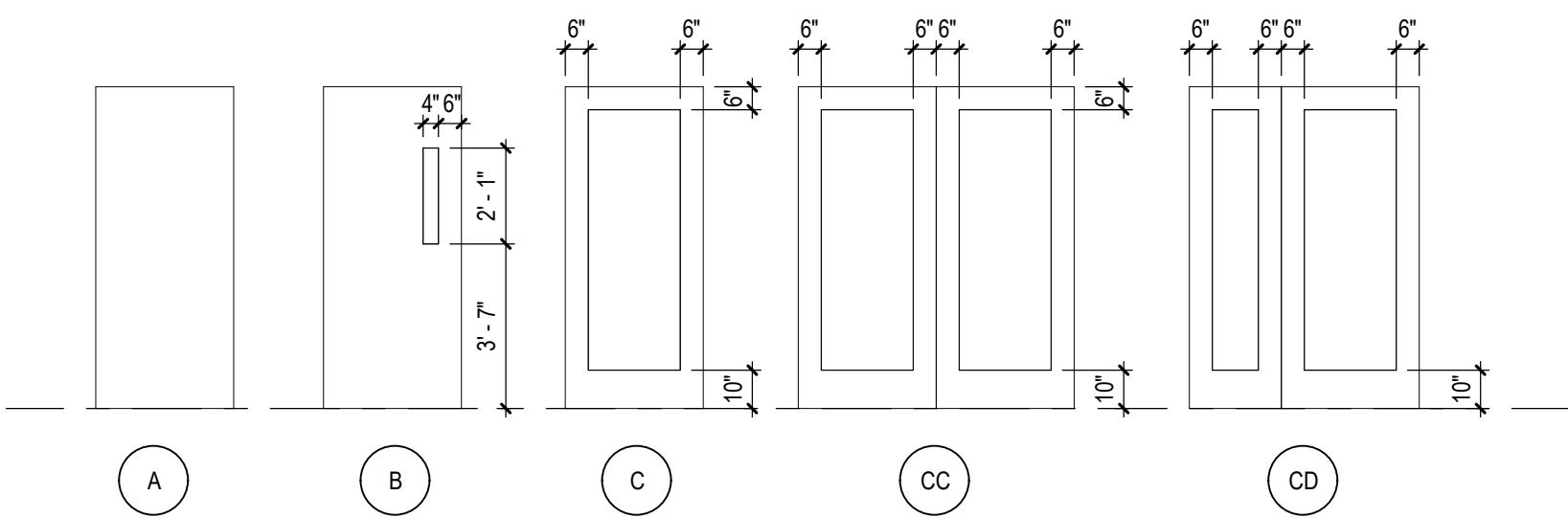
PARTITION TYPES

A8.00

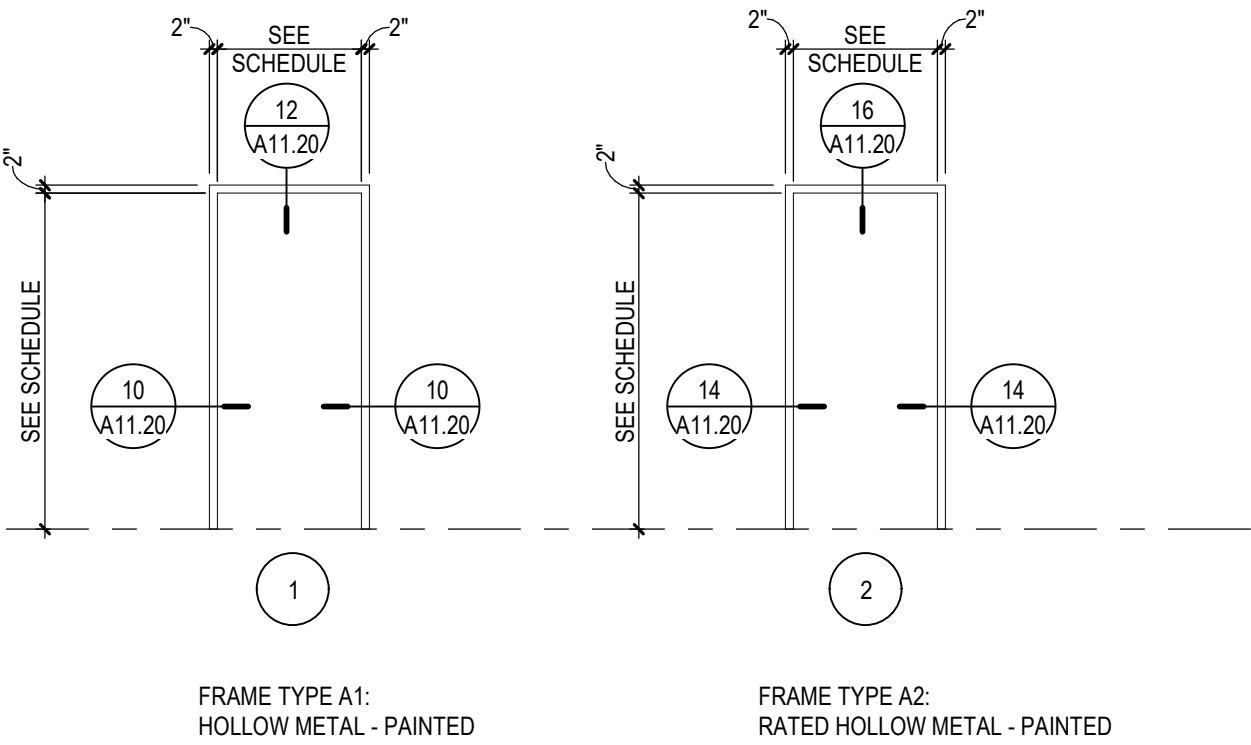


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DOOR AND FRAME SCHEDULE													
NUMBER	NO. OF PANELS	PANEL					PANEL		FRAME		FIRE RATING	HARDWARE SET	COMMENTS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	GLASS	TYPE	MATERIAL	TYPE			
B202	1	3' - 0"	7' - 0"	1 3/4"	HM	PT-02.1	IGL-1	B	HM	1	6.0		
B204	1	4' - 0"	7' - 0"	1 3/4"	HM	PT-02.1	IGL-1	B	HM	1	6.0		
B222	1	3' - 0"	7' - 0"	1 3/4"	WD	PT-02.1		A	HM	1	8.0		
BFL107	1	4' - 0" ±, VIF	8' - 1" ±, VIF	1 3/4"	ALUM	AF-1	EGL-1	C	EXISTING TO REMAIN	EXISTING TO REMAIN	1.0		REPLACE DOOR PANEL MATCHING EXISTING SIZE INTO EXISTING STOREFRONT FRAME. B200: UNITED STATES ALUMINUM. ADD FROSTED FILM TO GLASS ON INTERIOR FACE. BOD. 3M.
BFL109	1	4' - 0" ±, VIF	8' - 1" ±, VIF	1 3/4"	ALUM	AF-1	EGL-1	C	EXISTING TO REMAIN	EXISTING TO REMAIN	1.0		REPLACE DOOR PANEL MATCHING EXISTING SIZE INTO EXISTING STOREFRONT FRAME. B200: UNITED STATES ALUMINUM. ADD FROSTED FILM TO GLASS ON INTERIOR FACE. BOD. 3M.
H113	1	3' - 0"	7' - 0"	1 3/4"	WD	PT-02.1		A	HM	1	7.0		
H116	1	3' - 0"	7' - 0"	1 3/4"	WD	PT-02.1		A	HM	1	5.0		
LC105	2	3' - 0" AND 2' - 0"	7' - 0"	1 3/4"	HM	PT TO MATCH ADJACENT	IGL-2	CD	HM	2	20 MIN	4.0	UNEQUAL LEAF
P002	1	3' - 0"	7' - 0"	1 3/4"	ALUM	AF-1	IGL-1	C	ALUM	1	2.0		
PAC101	2	3' - 0"	7' - 10"	1 3/4"	ALUM	AF-1	IGL-3	CC	ALUM	1	3.0		DOUBLE ACTING DOOR
PAC106	1	3' - 0" ±, VIF	7' - 10" ±, VIF	1 3/4"	HM	PT TO MATCH EXISTING	EGL-1	MATCH ADJACENT DOOR W/ SPLIT LITE	EXISTING TO REMAIN	EXISTING TO REMAIN	1.0		REPLACE DOOR PANEL MATCHING EXISTING SIZE INTO EXISTING HM FRAME.



DOOR PANEL TYPES



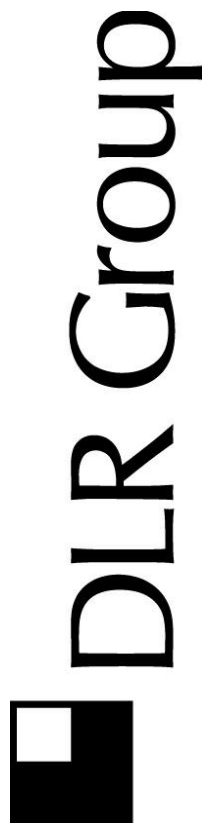
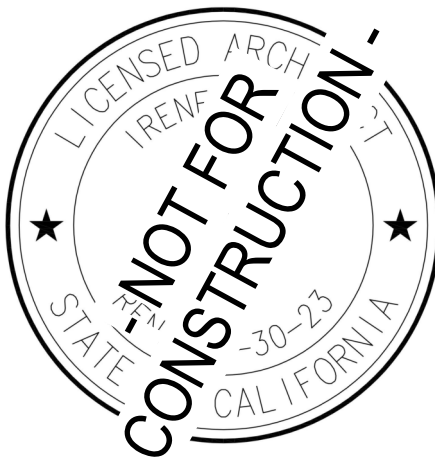
INTERIOR FRAME ELEVATIONS

LEGEND AND NOTES

DOOR AND FRAME SCHEDULE  
GENERAL NOTES

- A. ALL HOLLOW METAL FRAMES SET IN METAL STUD WALLS SHALL BE FILLED WITH MINERAL WOOL BLANKET INSULATION.
- B. ALL EXTERIOR FRAMES SHALL BE INSTALLED WITH 1/4" SHIM AND SEALANT AROUND PERIMETER OF FRAME.
- C. FRAME MANUFACTURER SHALL COORDINATE LOCATIONS OF ALL CONCEALED CONDUIT AND J-BOXES REQUIRED FOR SECURITY SYSTEM HARDWARE PRIOR TO MANUFACTURING OF HOLLOW METAL FRAMES AND COORDINATE WITH SECURITY HARDWARE AND DEVICES.
- D. PROVIDE HEAD RECEIVERS AT ALUMINUM STOREFRONTS AND CURTAIN WALLS AS REQUIRED FOR STRUCTURAL DEFLECTION ALLOWANCE.
- E. SEE SPECIFICATIONS HARDWARE SECTION FOR HARDWARE SETS NOTED IN DOOR AND FRAME SCHEDULE.

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GLAZING TYPE DESCRIPTIONS

- EGL-1 CLEAR, TEMPERED INSULATING GLASS, EXTERIOR
- IGL-1 CLEAR, TEMPERED GLASS, INTERIOR
- IGL-2 20 MINUTE RATED TEMPERED GLASS, INTERIOR

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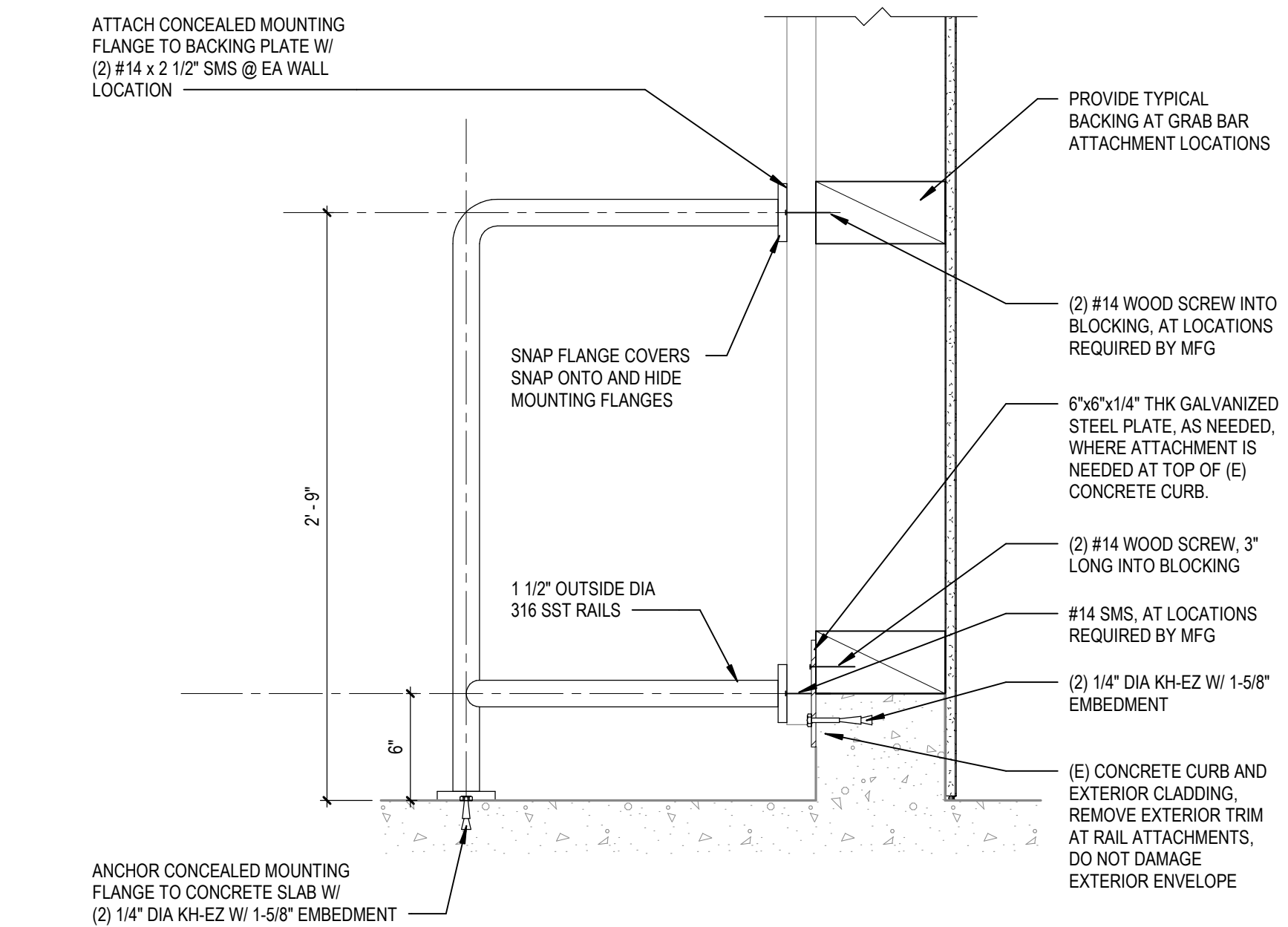
DLR GROUP PROJECT NUMBER:  
75-21809-00

DOOR & FRAME, WINDOW  
TYPES & SCHEDULE

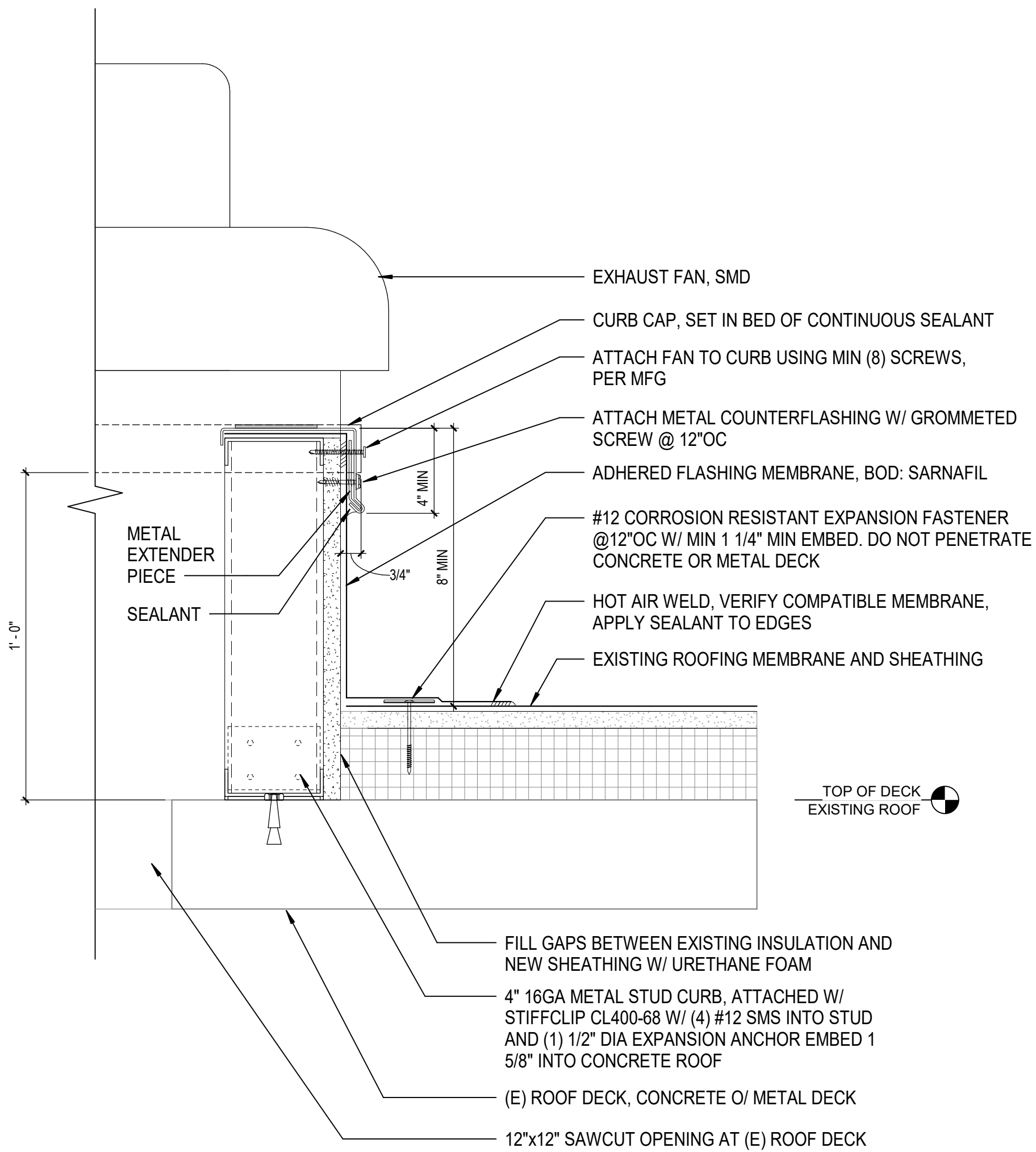
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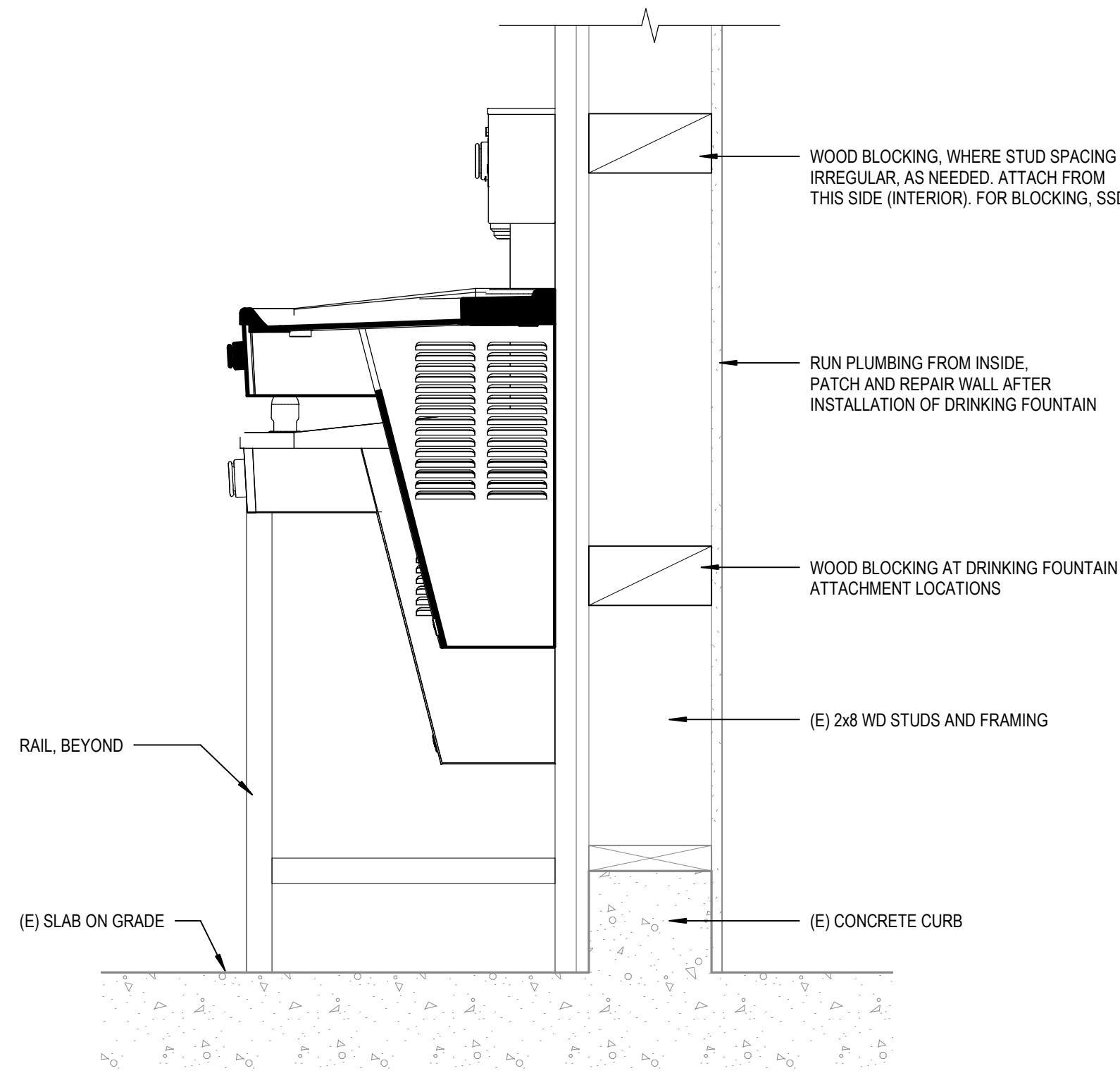
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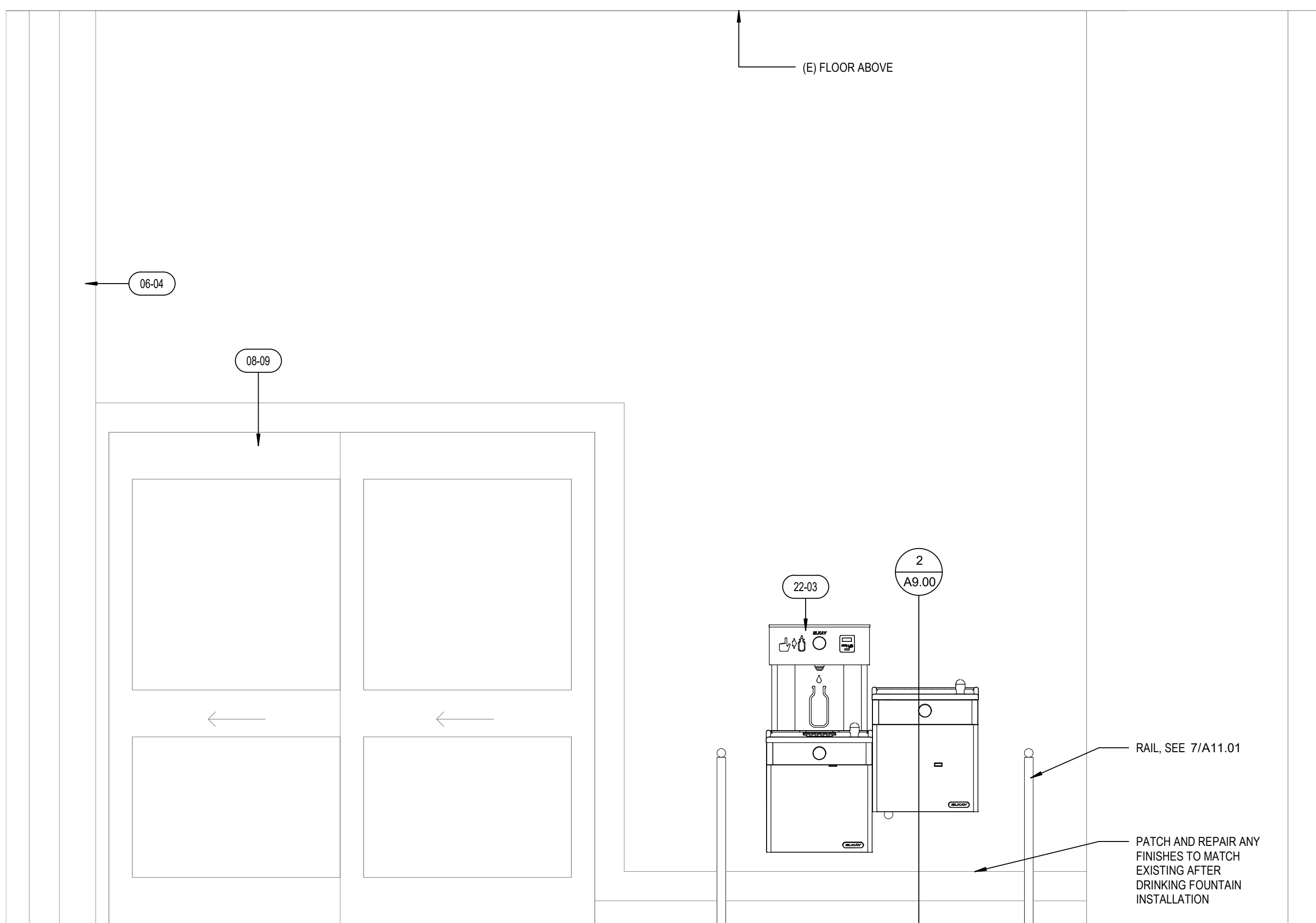
8 DETAIL - EXT - DRINKING FOUNTAIN RAIL  
A9.00 SCALE: 1 1/2" = 1'-0"



7 DETAIL - EXT - ROOF PENETRATION AT EXHAUST FAN  
A9.00 SCALE: 3" = 1'-0"



2 DETAIL - EXT - LEARNING CENTER - EXTERIOR WALL AT DRINKING FOUNTAIN  
A9.00 SCALE: 1 1/2" = 1'-0"



4 DETAIL - EXT - LEARNING CENTER - DRINKING FOUNTAIN AT EXTERIOR WALL ELEVATION  
A9.00 SCALE: 3/4" = 1'-0"

## LEGEND AND NOTES

### REFERENCE KEYNOTES

06-04	EXISTING WOOD POST TO REMAIN
06-09	EXISTING AUTOMATIC SLIDING DOOR TO REMAIN
22-03	NEW DRINKING FOUNTAIN/BOTTLE FILLER (S.P.D.)

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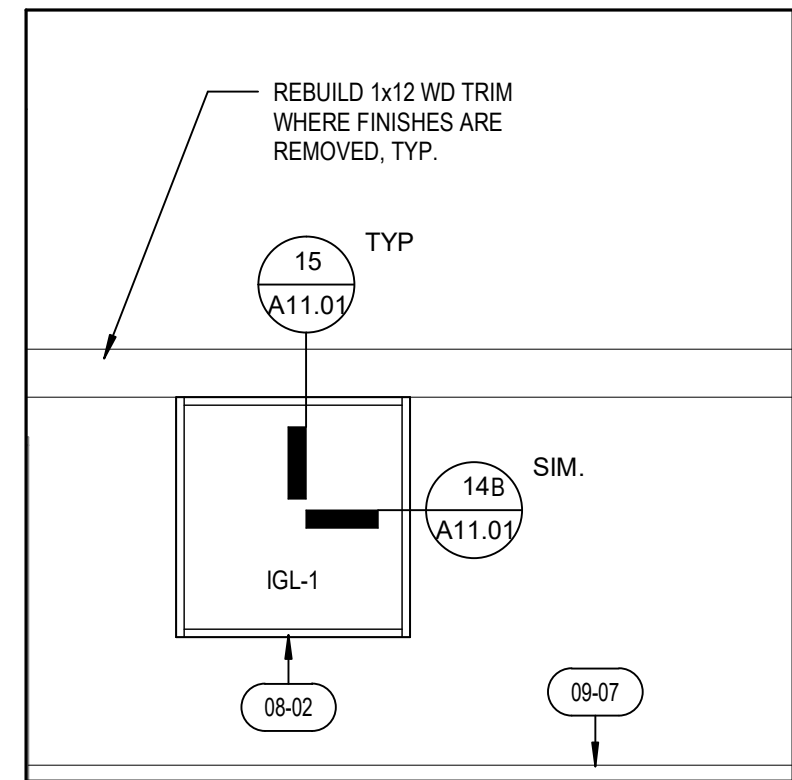
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75-21809-00

EXTERIOR DETAILS

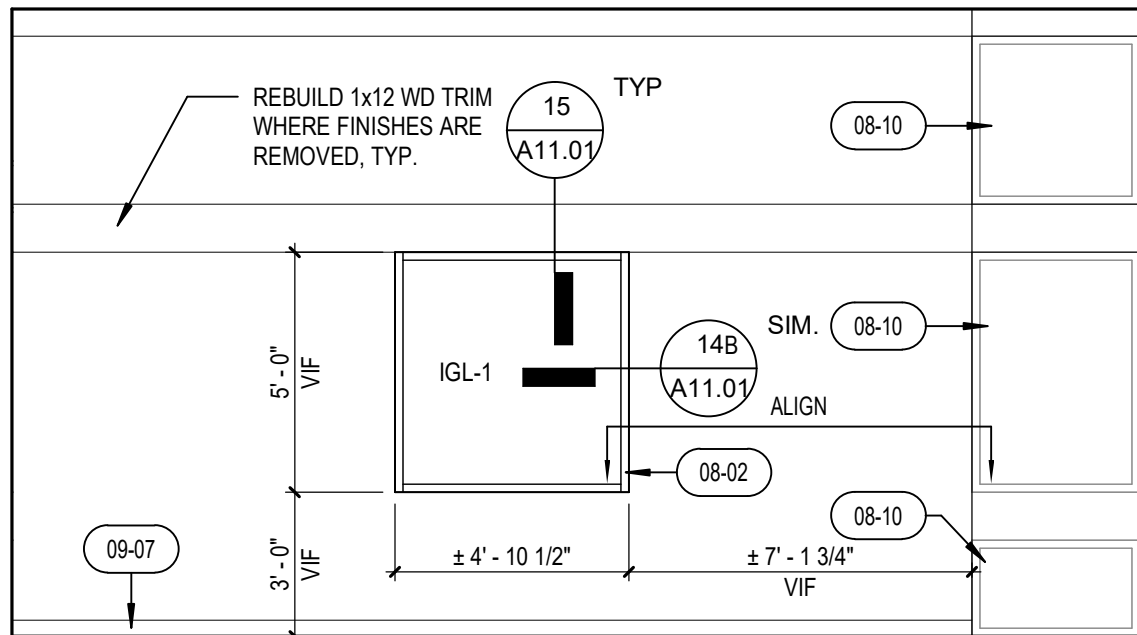
A9.00



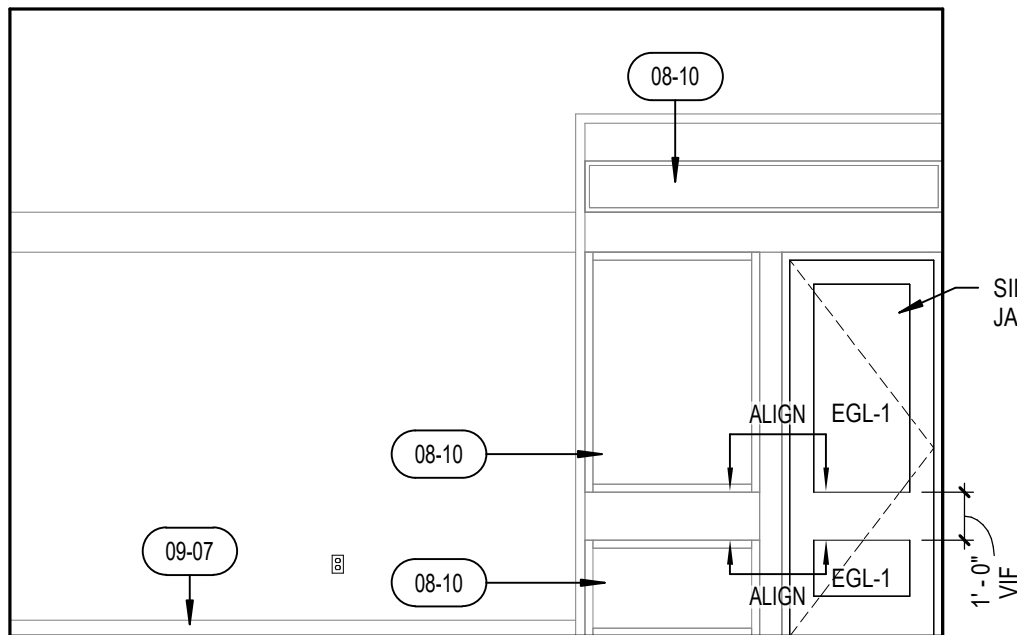
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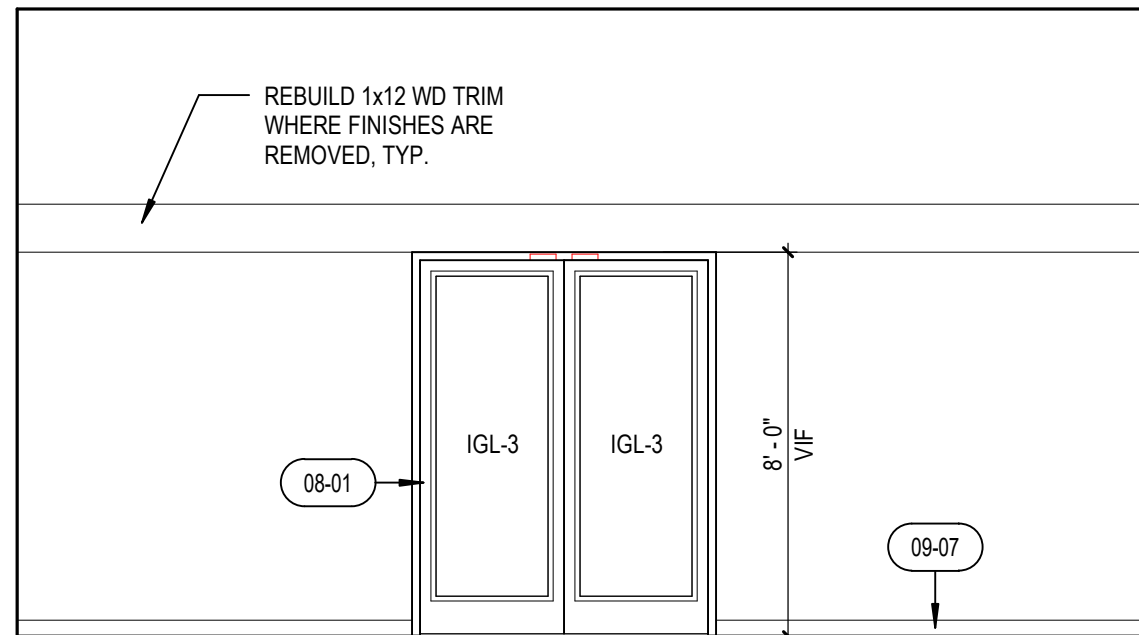
6 INT ELEV - PAC CLASSROOM 105 E  
A10.00 / SCALE: 1/4" = 1'-0"



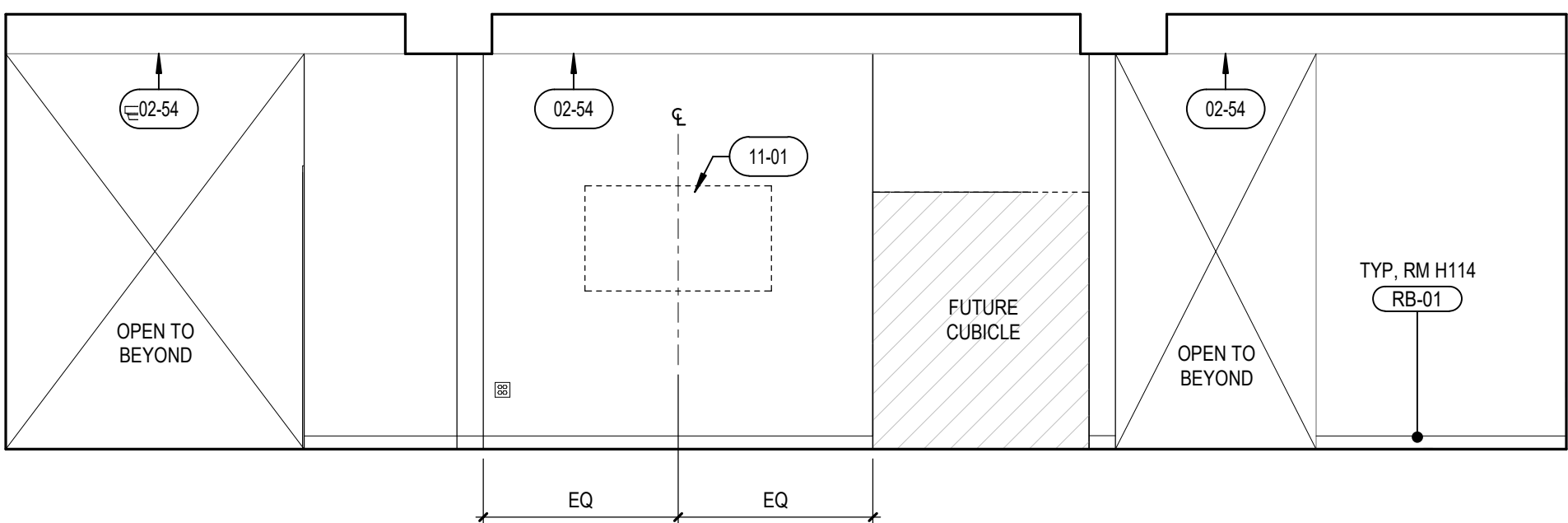
5 INT ELEV - PAC CLASSROOM 106 W  
A10.00 / SCALE: 1/4" = 1'-0"



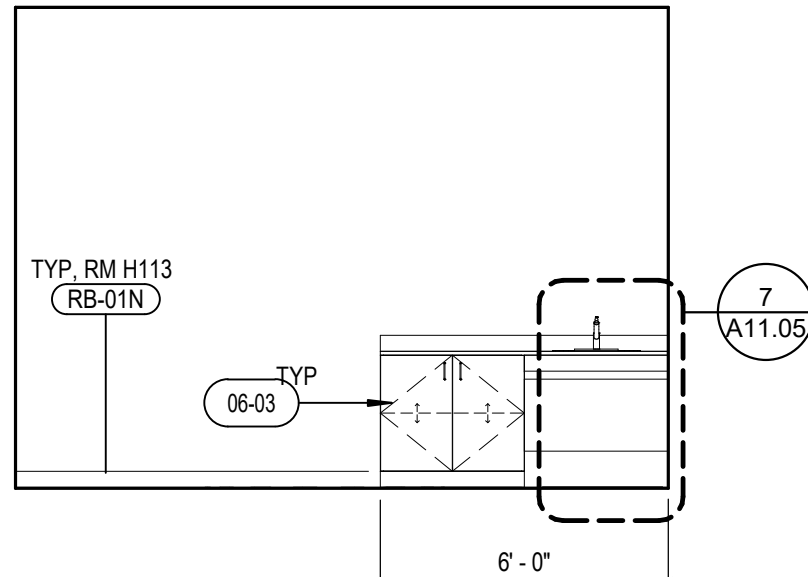
4 INT ELEV - PAC - 106 CLASSROOM S  
A10.00 / SCALE: 1/4" = 1'-0"



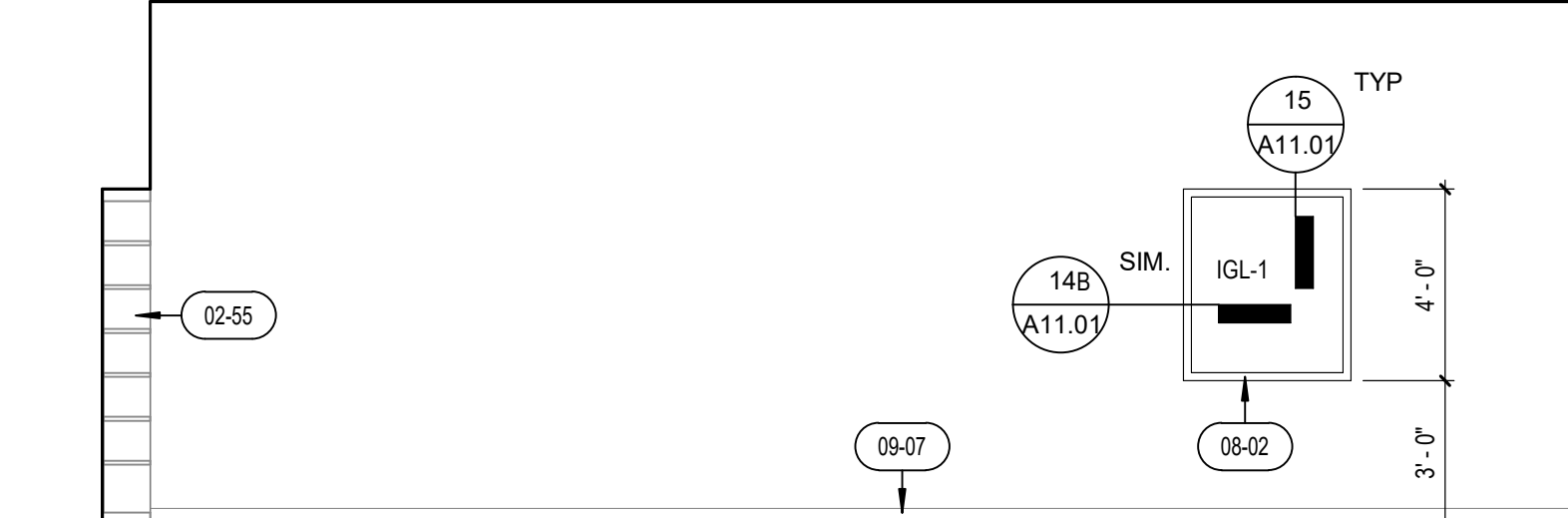
3 INT ELEV - PAC CLASSROOM 101 E  
A10.00 / SCALE: 1/4" = 1'-0"



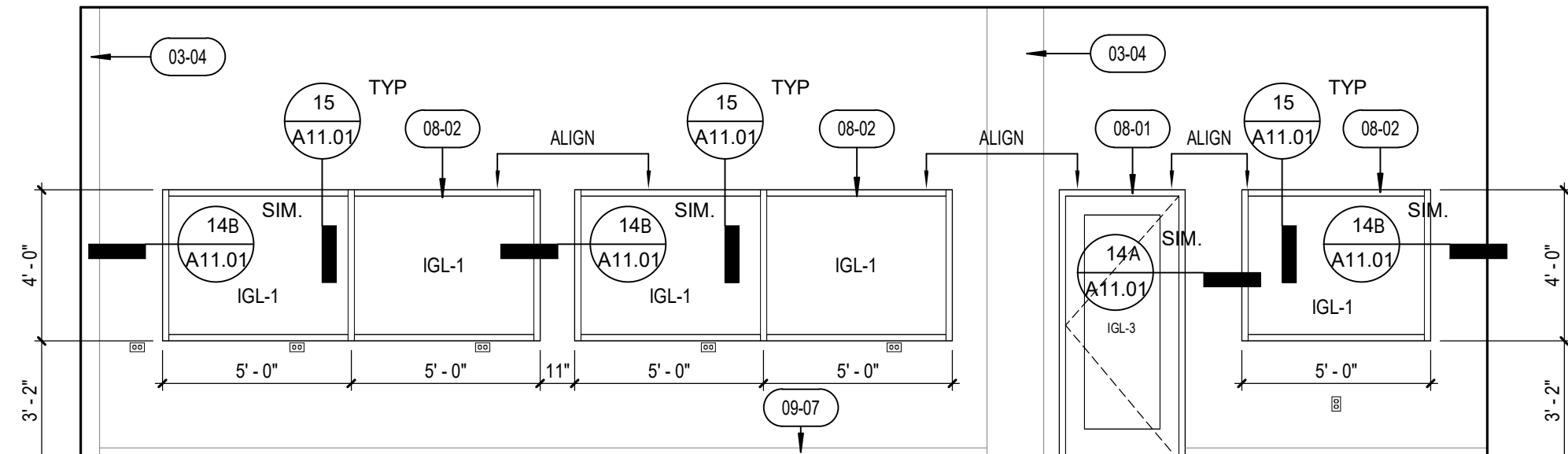
2 INT ELEV - STUDENT UNION - H114 LOUNGE AREA N  
A10.00 / SCALE: 1/4" = 1'-0"



1 INT ELEV - STUDENT UNION - H113 HEALTH SERVICES STATION N  
A10.00 / SCALE: 1/4" = 1'-0"



7 INT ELEV - LEARNING CENTER - LC105A LIBRARY WEST  
A10.00 / SCALE: 1/4" = 1'-0"



9 INT ELEV - PLANETARIUM CLASSROOM 2 WEST  
A10.00 / SCALE: 1/4" = 1'-0"

## LEGEND AND NOTES

FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.00.

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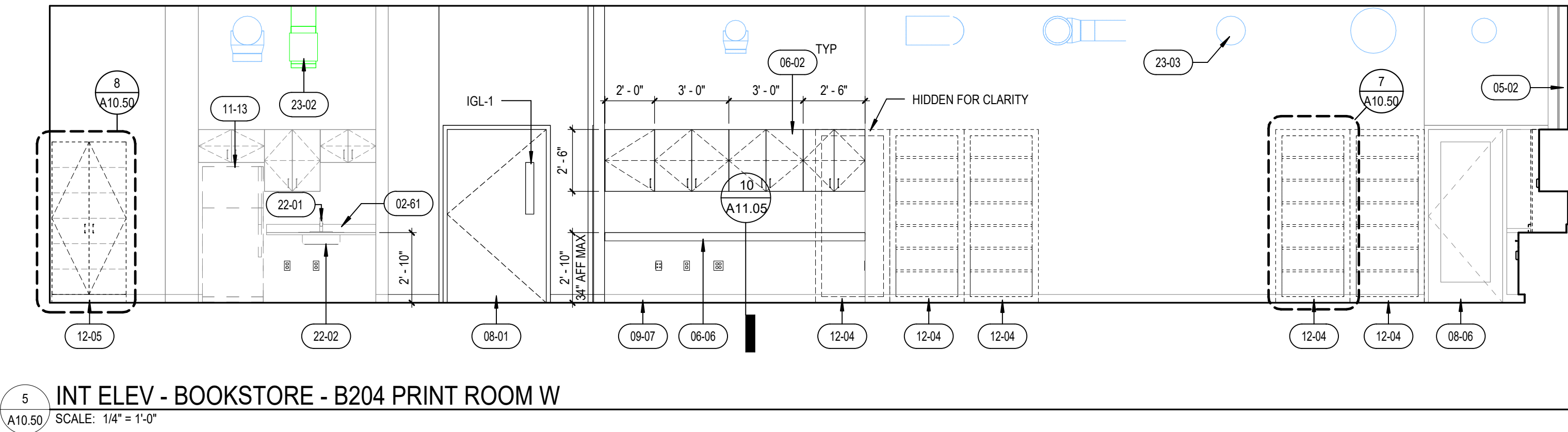
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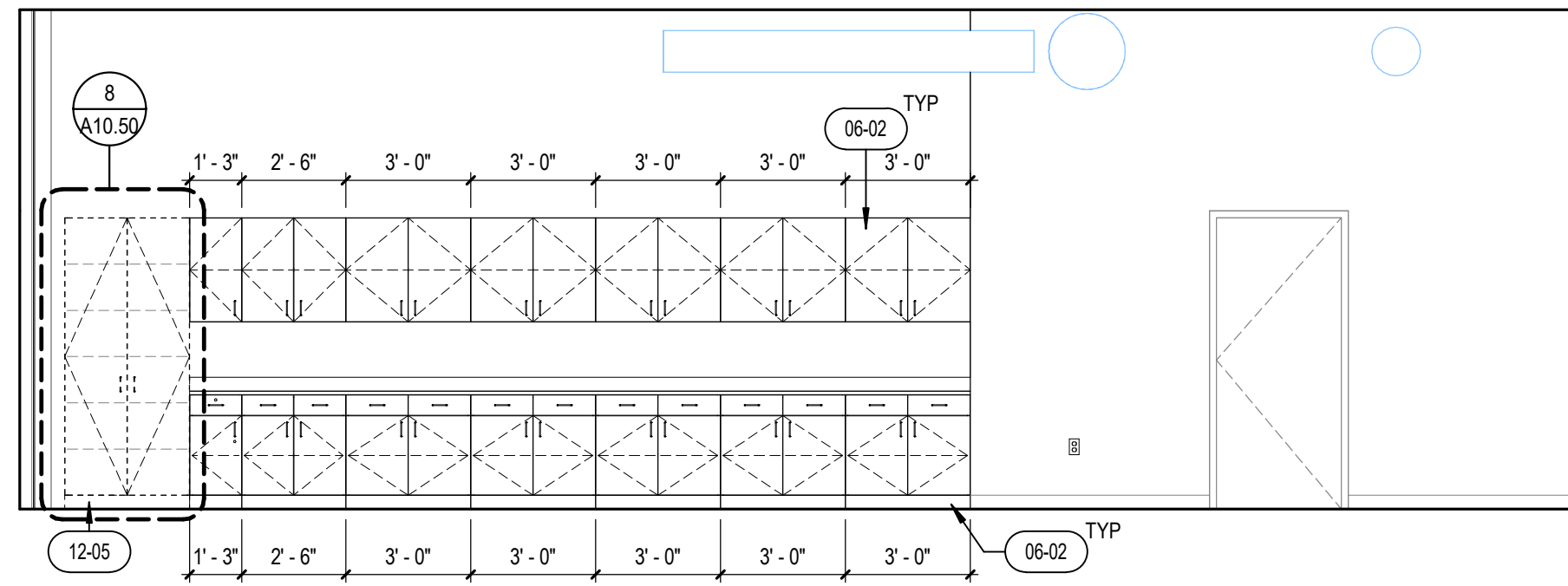
INTERIOR ELEVATIONS

A10.00

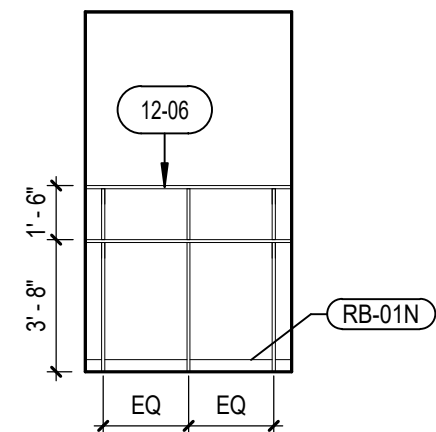




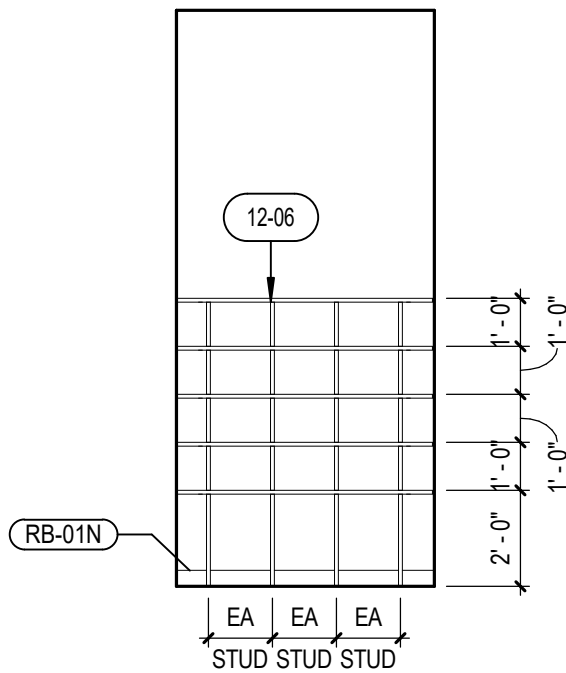
5 INT ELEV - BOOKSTORE - B204 PRINT ROOM W  
A10.50 SCALE: 1/4" = 1'-0"



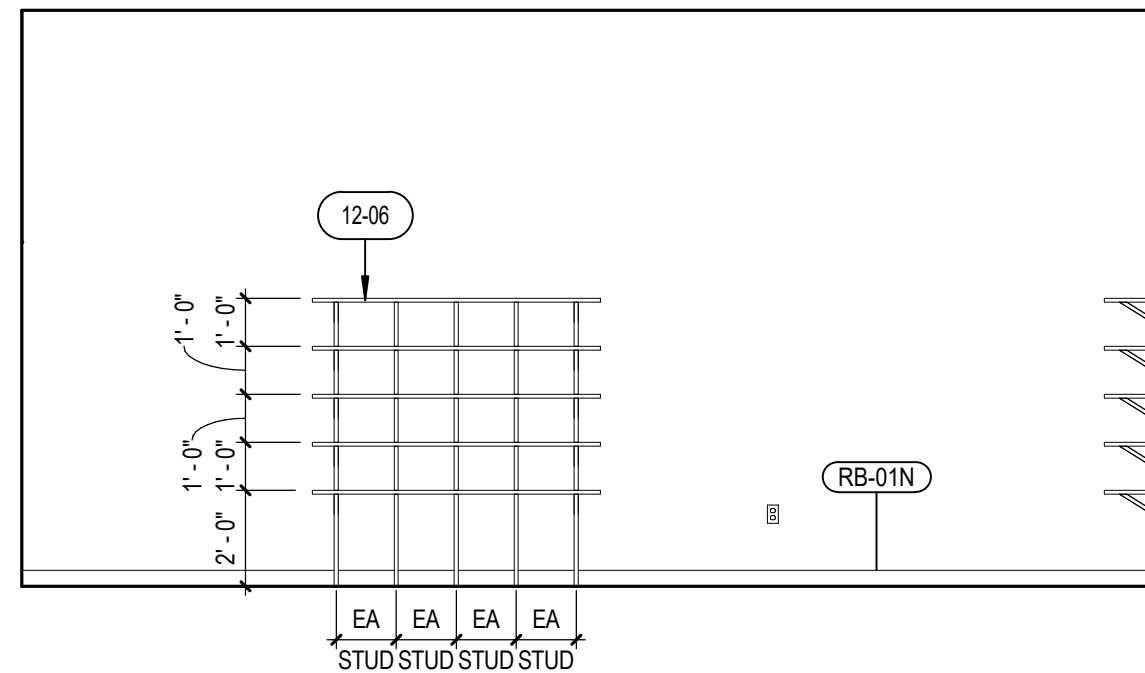
4 INT ELEV - BOOKSTORE - B204 PRINT ROOM N  
A10.50 SCALE: 1/4" = 1'-0"



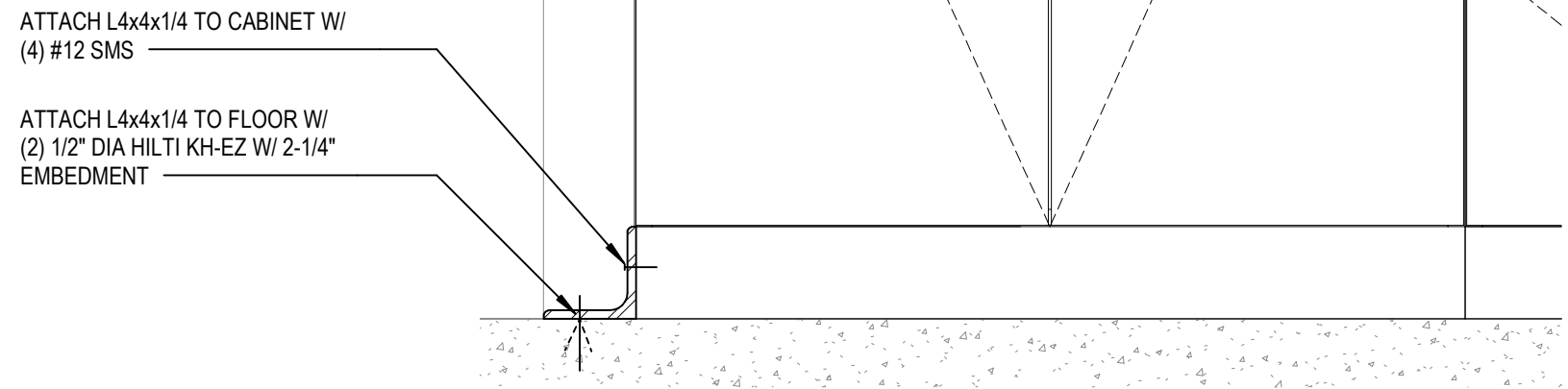
3 INT ELEV - STUDENT UNION - H116 STORAGE N  
A10.50 SCALE: 3/16" = 1'-0"



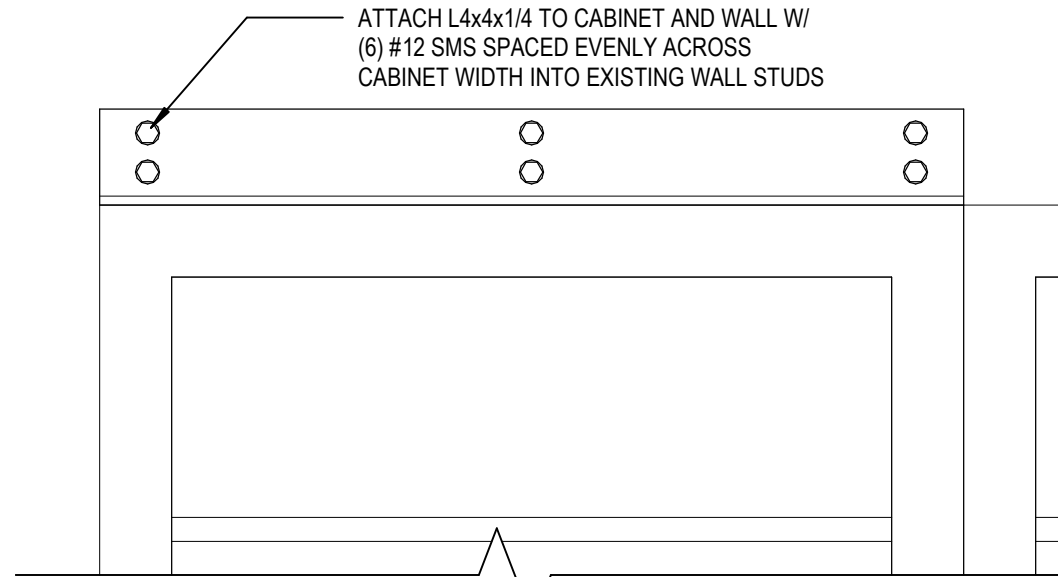
2 INT ELEV - BOOKSTORE - B202 TEACHER PICKUP W  
A10.50 SCALE: 1/4" = 1'-0"



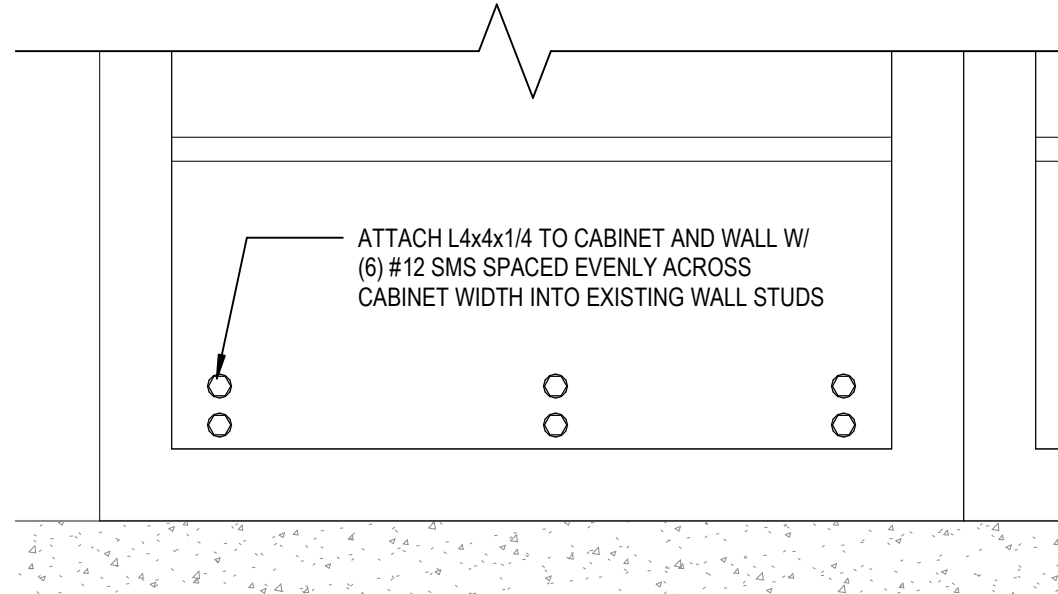
1 INT ELEV - BOOKSTORE - B202 TEACHER PICKUP S  
A10.50 SCALE: 1/4" = 1'-0"



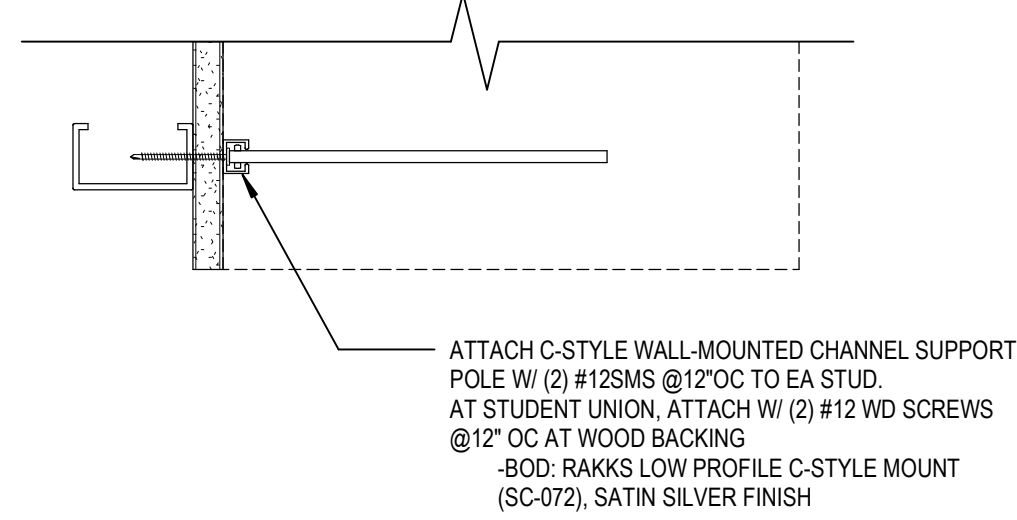
8 DETAIL - ELEVATION - INT - METAL FILE CABINET ANCHORAGE  
A10.50 SCALE: 1 1/2" = 1'-0"



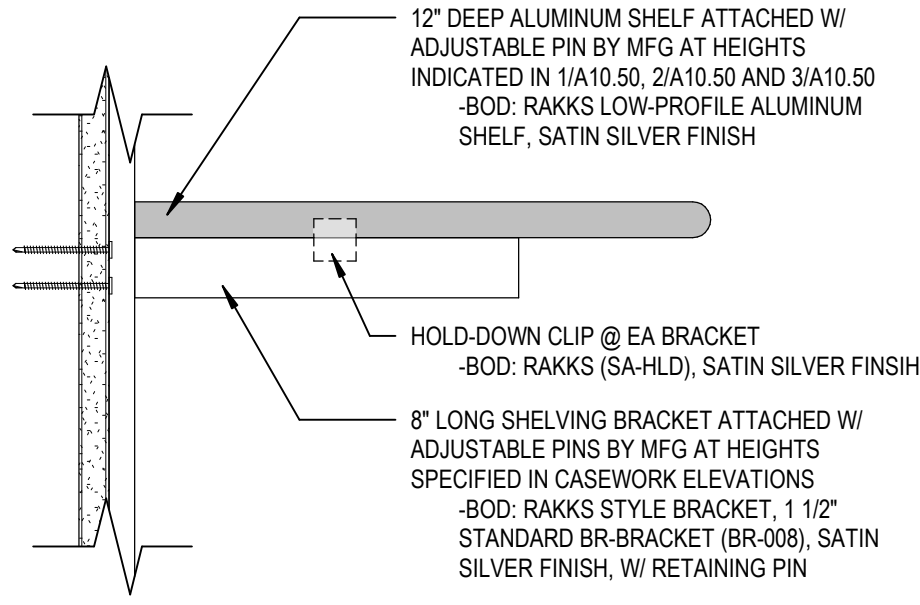
9 DETAIL - PLAN - INT - METAL FILING BOOKCASE ANCHORAGE - TYPE 2  
A10.50 SCALE: 1 1/2" = 1'-0"



7 DETAIL - ELEVATION - INT - METAL FILING BOOKCASE ANCHORAGE - TYPE 1  
A10.50 SCALE: 1 1/2" = 1'-0"



6 DETAIL - SHELVING  
A10.50 SCALE: 3" = 1'-0"



PLAN

SECTION

## LEGEND AND NOTES

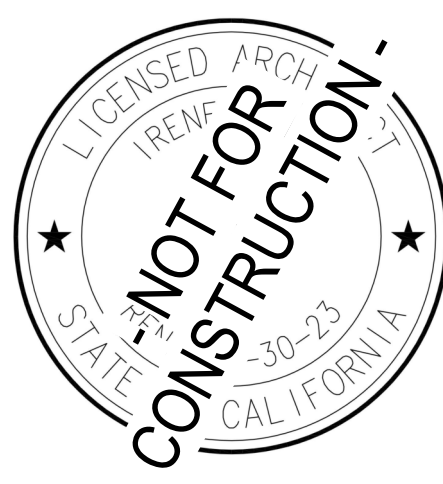
### CASEWORK AND MILLWORK GENERAL NOTES

- CASEWORK AND MILLWORK GENERAL NOTES APPLY TO ALL CASEWORK/MILLWORK SHEETS.
- ALL BASE CABINETS TO BE 2'-0" DEEP UNITS, UNLESS NOTED OTHERWISE.
- ALL UPPER WALL CABINETS TO BE 1'-2" DEEP UNITS, UNLESS NOTED OTHERWISE.
- ALL TALL STORAGE CABINETS TO BE 2'-0" DEEP UNITS, UNLESS NOTED OTHERWISE.
- ALL SHELVING IN CASEWORK TO BE ADJUSTABLE SHELVING, UNLESS NOTED OTHERWISE.
- WHERE PLUMBING OR ELECTRICAL DEVICES ARE LOCATED IN CASEWORK, CASEWORK CONTRACTOR SHALL PROVIDE OPENINGS. COORDINATE LOCATION AND QUANTITY WITH THE PLUMBING OR ELECTRICAL CONTRACTOR.
- PROVIDE SEALANT AT ALL PERIMETER JOINTS WHERE COUNTERTOPS, BACK AND SIDE SPLASHES, CASEWORK AND MILLWORK ABUT WALLS.
- FIELD VERIFY ALL DIMENSIONS OF CABINET LOCATIONS IN THE BUILDING PRIOR TO FABRICATION.
- PROVIDE FINISHED ENDS AT ALL EXPOSED ENDS OF CASEWORK AND MILLWORK.
- ALL EXPOSED SURFACES IN OPEN SHELVING SHALL BE PLASTIC LAMINATE COVERED.
- SEE DETAIL 10A11.05 FOR TYPICAL COUNTER WORKS/SURFACE DETAIL.
- FINISHES INDICATED WITH (XX-##) SYMBOL ARE SCHEDULED ON SHEET A12.01.

### REFERENCE KEYNOTES

- |       |  |
|-------|--|
| 02-61 | EXISTING COUNTERTOPS TO REMAIN. PROTECT BELOW COUNTER CASEWORK AND SUPPORTING WALLS  |
| 05-02 | EXISTING STEEL COLUMN TO REMAIN  |
| 06-02 | CASEWORK - PLASTIC LAMINATE OVER MDF CABINETS WITH SOLID SURFACE COUNTERTOP. SEE 9/A11.05 AND 1/A11.05                     |
| 06-06 | NEW COUNTERTOP WITH NO BACKSPLASH  |
| 08-01 | NEW DOOR. SEE INTERIOR ELEVATIONS OR DOOR SCHEDULE FOR GLASS TYPE (EGLJGL FOUND IN FINISH SCHEDULE)                        |
| 08-06 | EXISTING DOOR TO REMAIN  |
| 09-07 | PATCH AND REPAIR WALL COVE BASE TO MATCH EXISTING  |
| 11-13 | WASHER   |
| 12-04 | 35"x12"x66"H OPEN METAL FILING BOOKCASE (OFC). SEE 7/A10.50 FOR ANCHORAGE.   |
| 12-05 | 35"x17"x66"H METAL FILE CABINETS WITH DOUBLE DOORS (OFC). SEE 8/A10.50 FOR ANCHORAGE                                       |
| 12-06 | WALL-MOUNTED SHELVING. SEE DETAIL 5/A10.50   |
| 22-01 | EXISTING SINK AND FAUCET TO REMAIN   |
| 22-02 | PROVIDE P-TRAP COVER, AND SUPPLY COVERS. INSTALL IN ACCORDANCE WITH CDCIADA REQUIREMENTS AND MANUFACTURERS RECOMMENDATION. |
| 23-02 | NEW ROOF PENETRATION AND ROOFTOP MECHANICAL EQUIPMENT (S.S.D. AND S.M.D.)  |
| 23-03 | EXISTING MECHANICAL DUCTS TO REMAIN, TYP.  |

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DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

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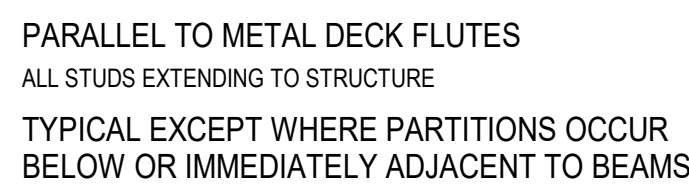
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Revisions

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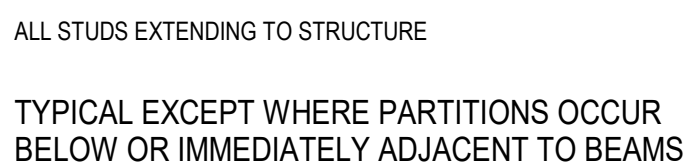
CASEWORK ELEVATIONS

A10.50

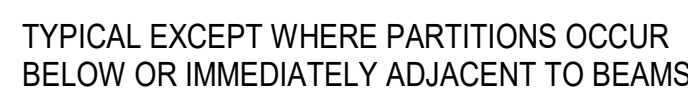
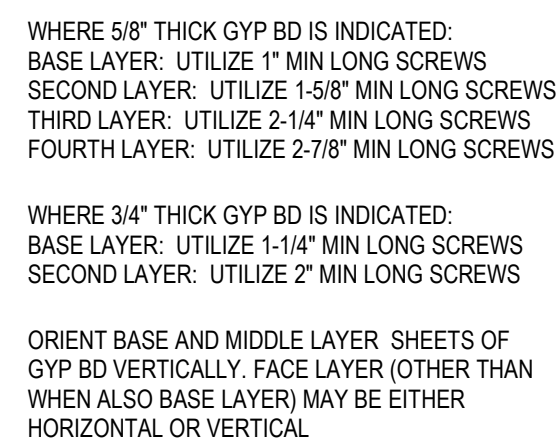
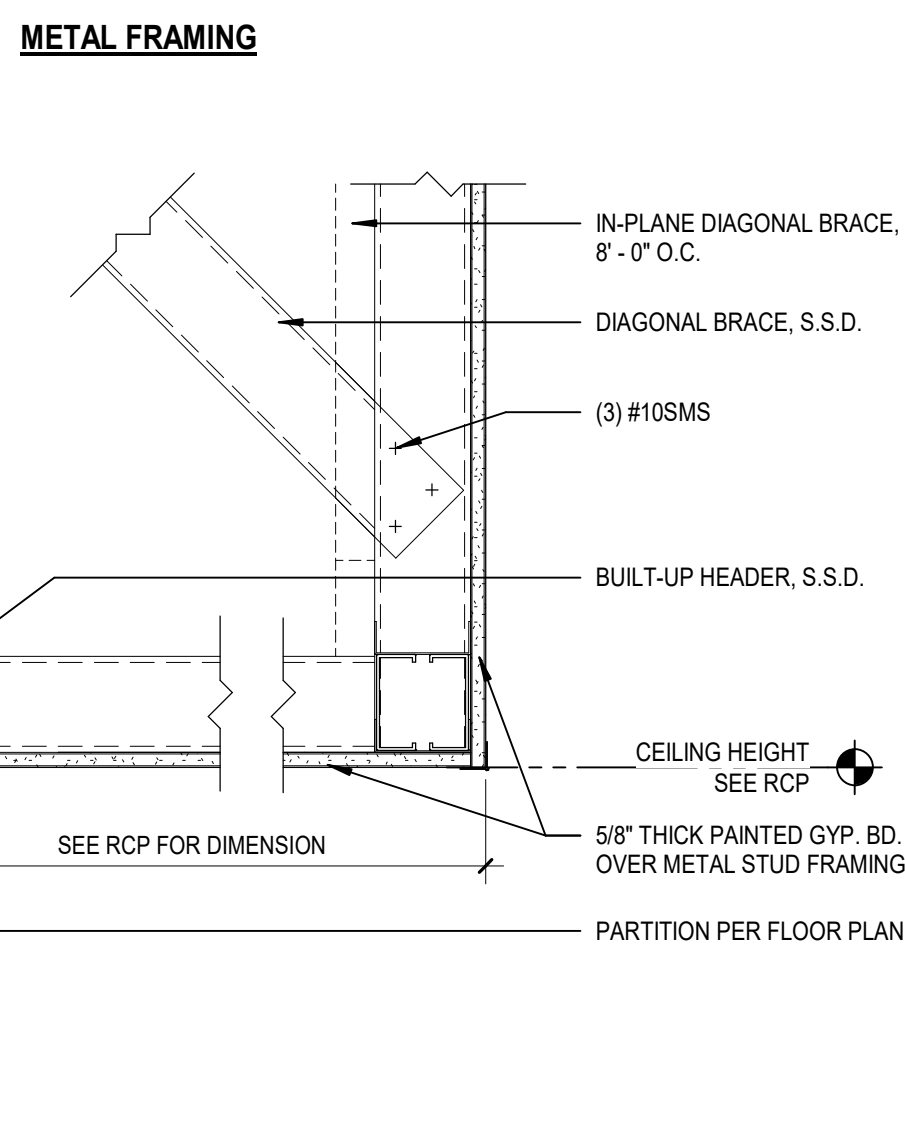





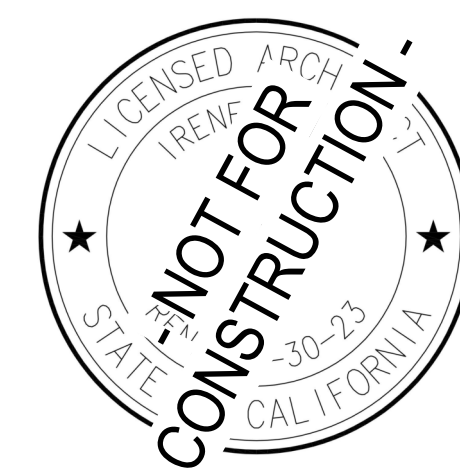
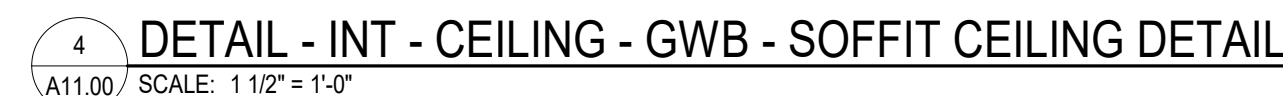
RCP VIEW OF STUD FRAME TO METAL DECK FLUTES



11 DETAIL - INT - WALL - RCP VIEW OF STUD FRAME TO METAL DECK  
A11.00 SCALE: 1 1/2" = 1'-0"



10 DETAIL - INT - WALL - RCP VIEW OF METAL PLATE TO METAL DECK  
A11.00 SCALE: 1 1/2" = 1'-0"



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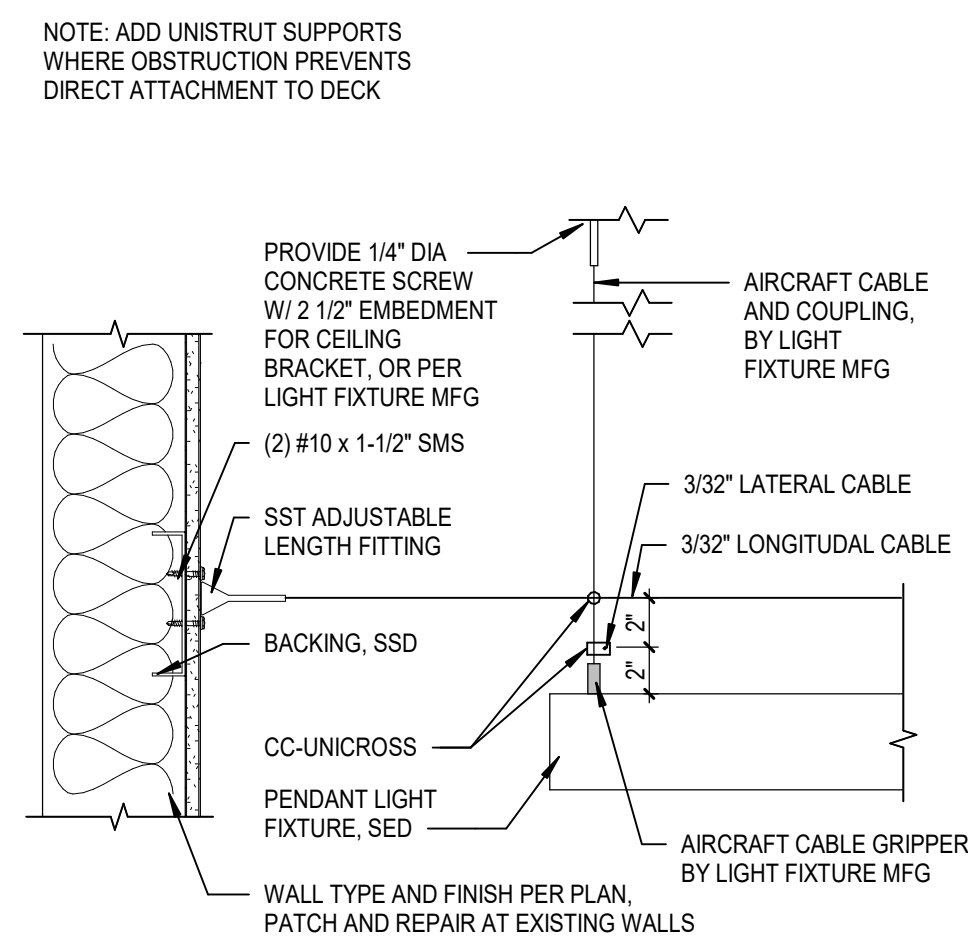
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03/28/202  
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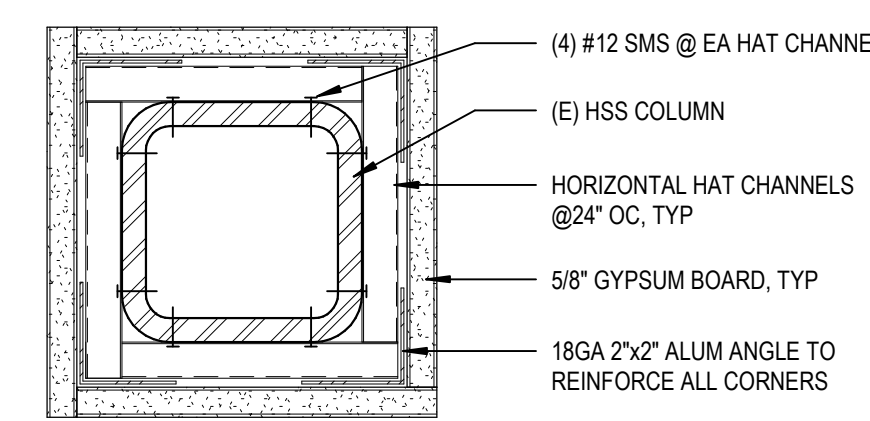
INTERIOR DETAILS - TYPICAL

A11.00





8 DETAIL - INT - COLUMN WRAP  
A11.01 SCALE: 3" = 1'-0"



(E) EXTERIOR DOOR AND FRAME

(E) EXTERIOR WALL

16 GA PREFINISHED ALUM BREAK SHAPE, FINISH TO MATCH EXISTING STOREFRONT SYSTEM ATTACH W/ #10 SCREWS

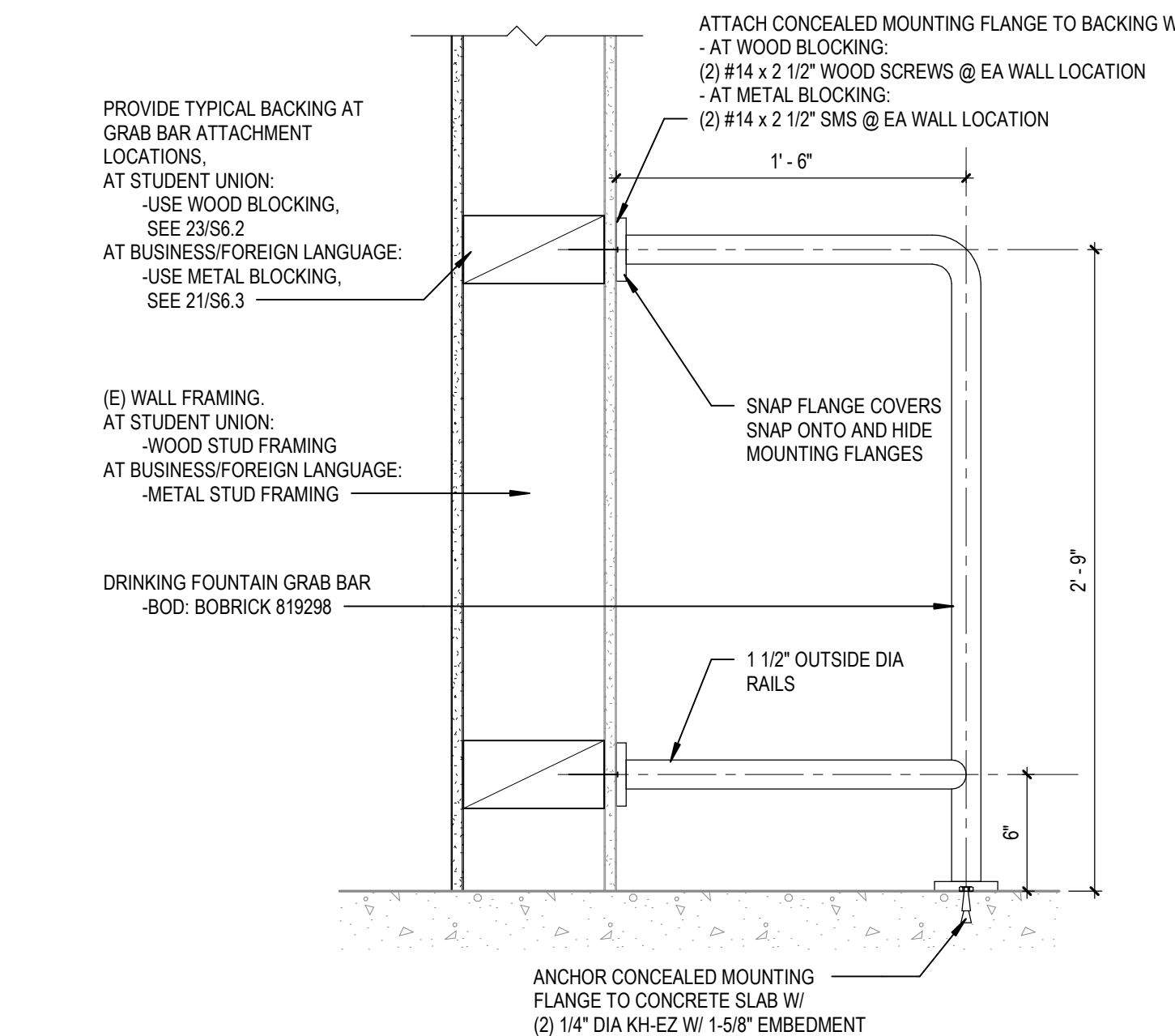
PLYWOOD REINFORCEMENT

250S 162.5# METAL STUD FRAMING SHIM AS NEEDED TO KEEP CORN FLUSH TO EXISTING CONDITIONS SEE 4336.5 FOR TOP AND BOTTOM CONNECTION

3/4" SEALANT AND BACKER ROD OVER ATTACHMENT POINTS

FILL GAP WITH INSULATION

(E) STOREFRONT SYSTEM



15  
A11.01

DETAIL - INT - SECTION - STOREFRONT SYSTEM - HEAD/SILL

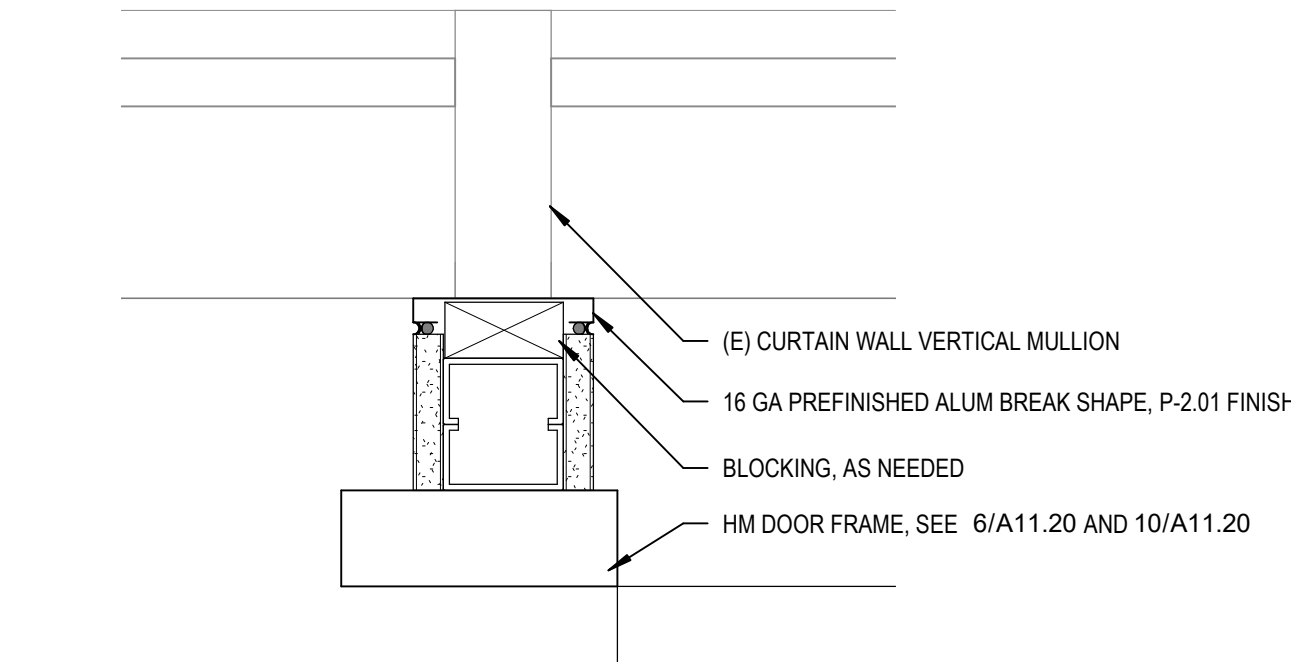
SCALE: 3" = 1'-0"



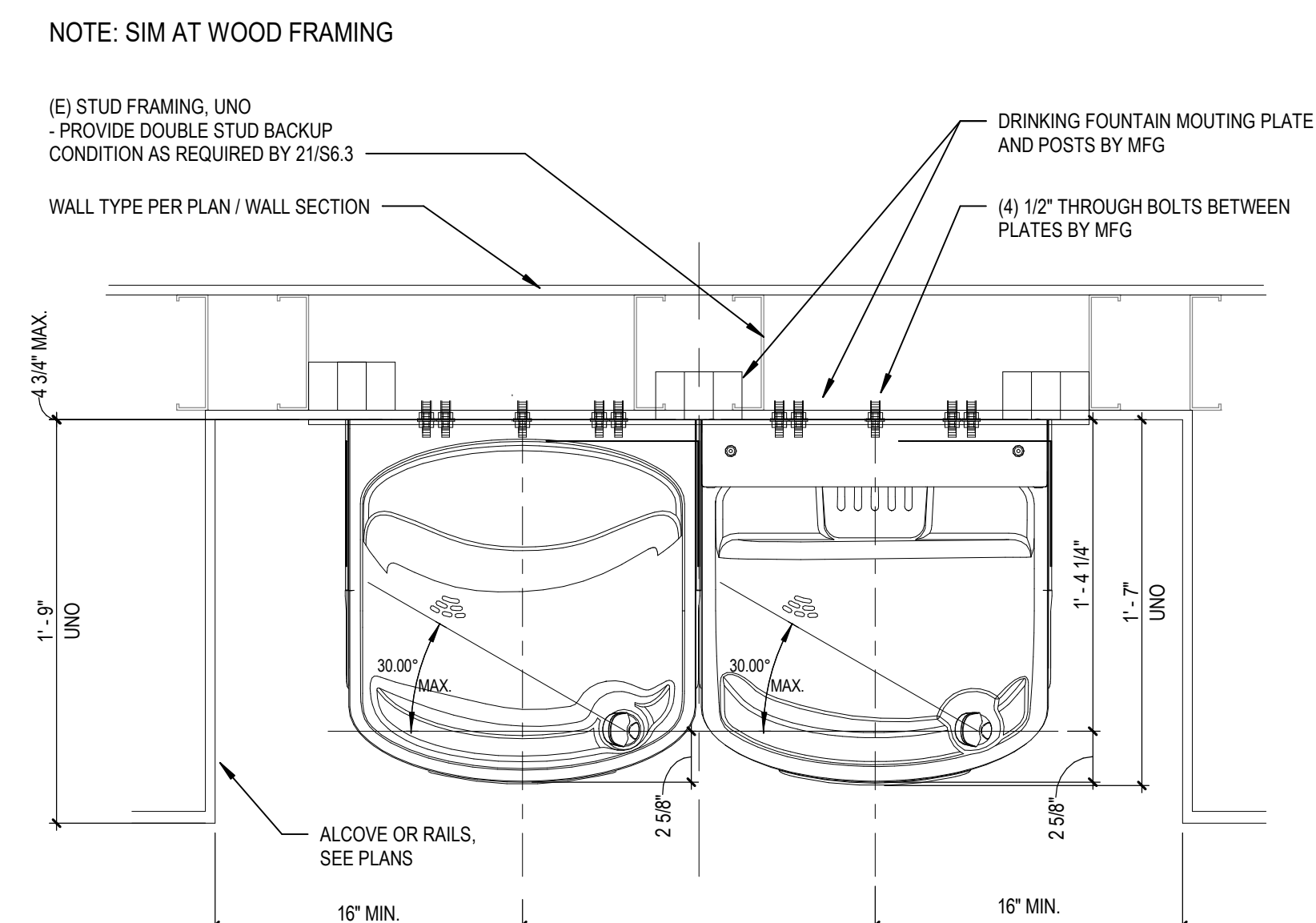
14  
A11.01

DETAIL - INT - PLAN - STOREFRONT SYSTEM - JAMBS

SCALE: 3" = 1'-0"



5 DETAIL - PLAN - INT - WALL TERMINATION AT CURTAIN WALL MULLION



1  
A11.01

DETAIL - DRINKING FOUNTAIN ATTACHMENT

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



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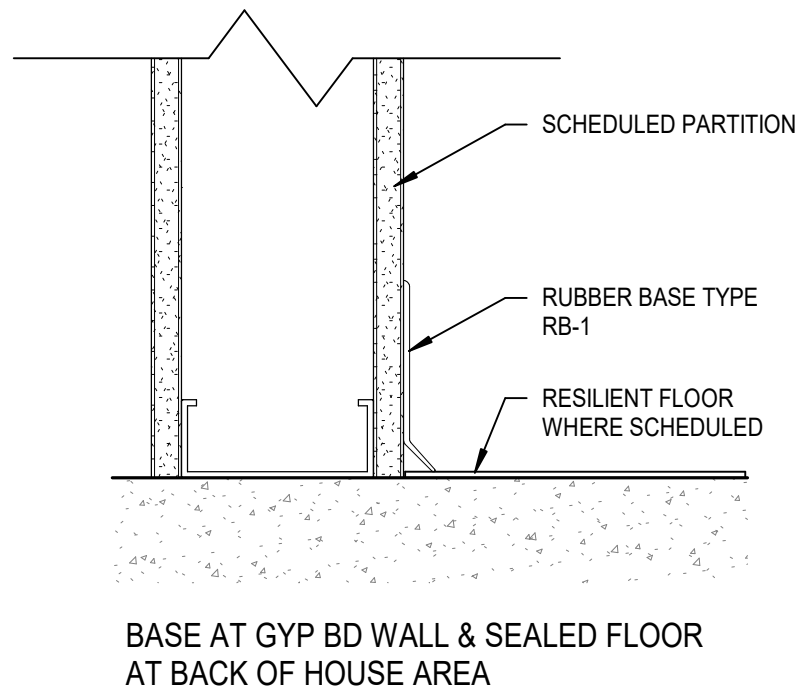
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## INTERIOR DETAILS

A11.01

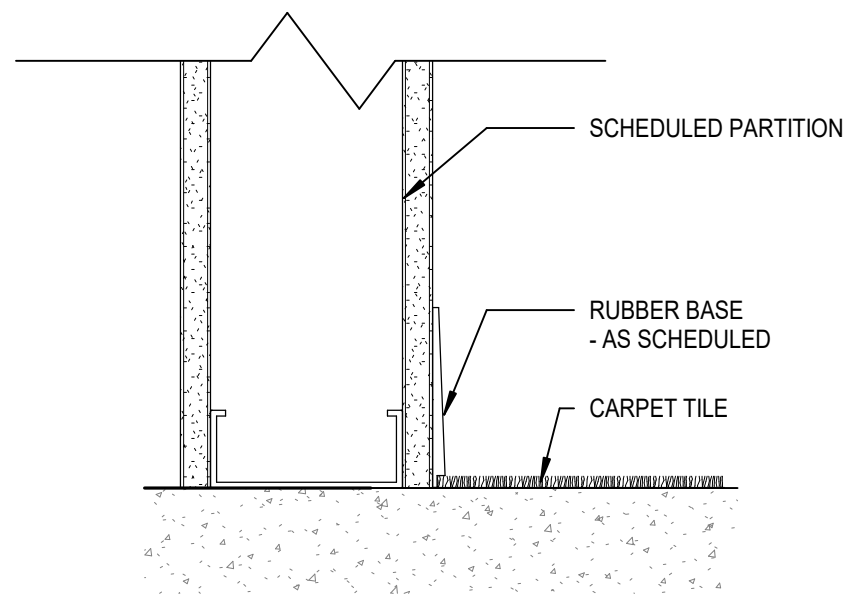


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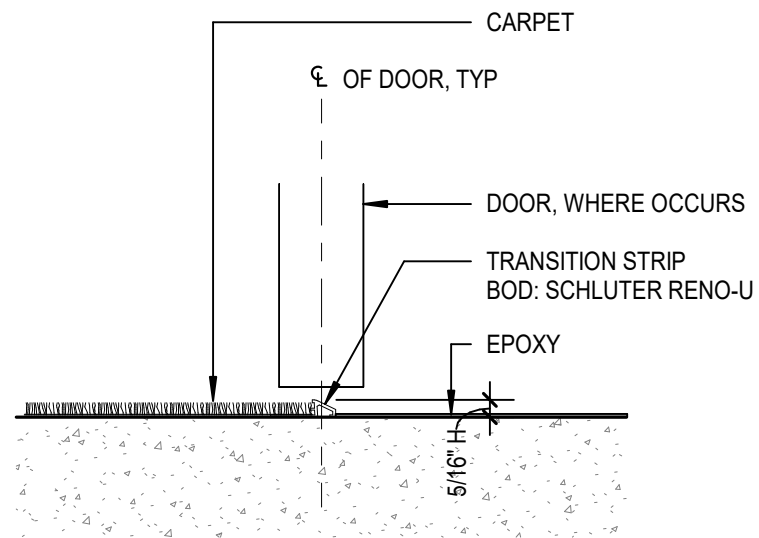
4  
A11.02 / SCALE: 3" = 1'-0"

DETAIL - INT - BASE - GYP BD WALL & SEALED FLOOR AT BOH



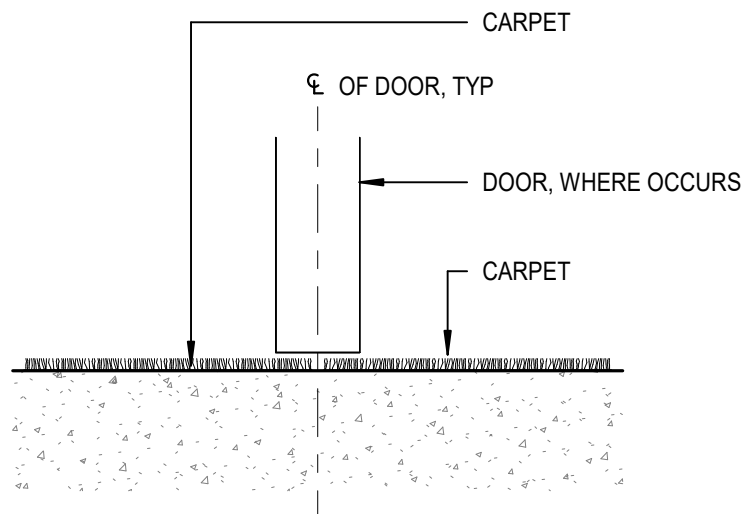
3  
A11.02 / SCALE: 3" = 1'-0"

DETAIL - INT - BASE - GYP BD WALL & CARPET



2  
A11.02 / SCALE: 3" = 1'-0"

DETAIL - INT - FLOOR TRANSITION - CARPET TO EPOXY

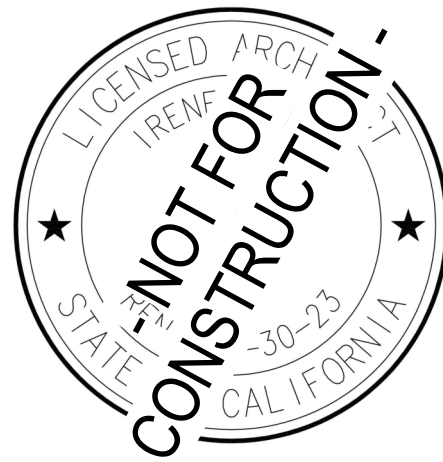


1  
A11.02 / SCALE: 3" = 1'-0"

DETAIL - INT - FLOOR TRANSITION - CARPET TO CARPET

LEGEND AND NOTES

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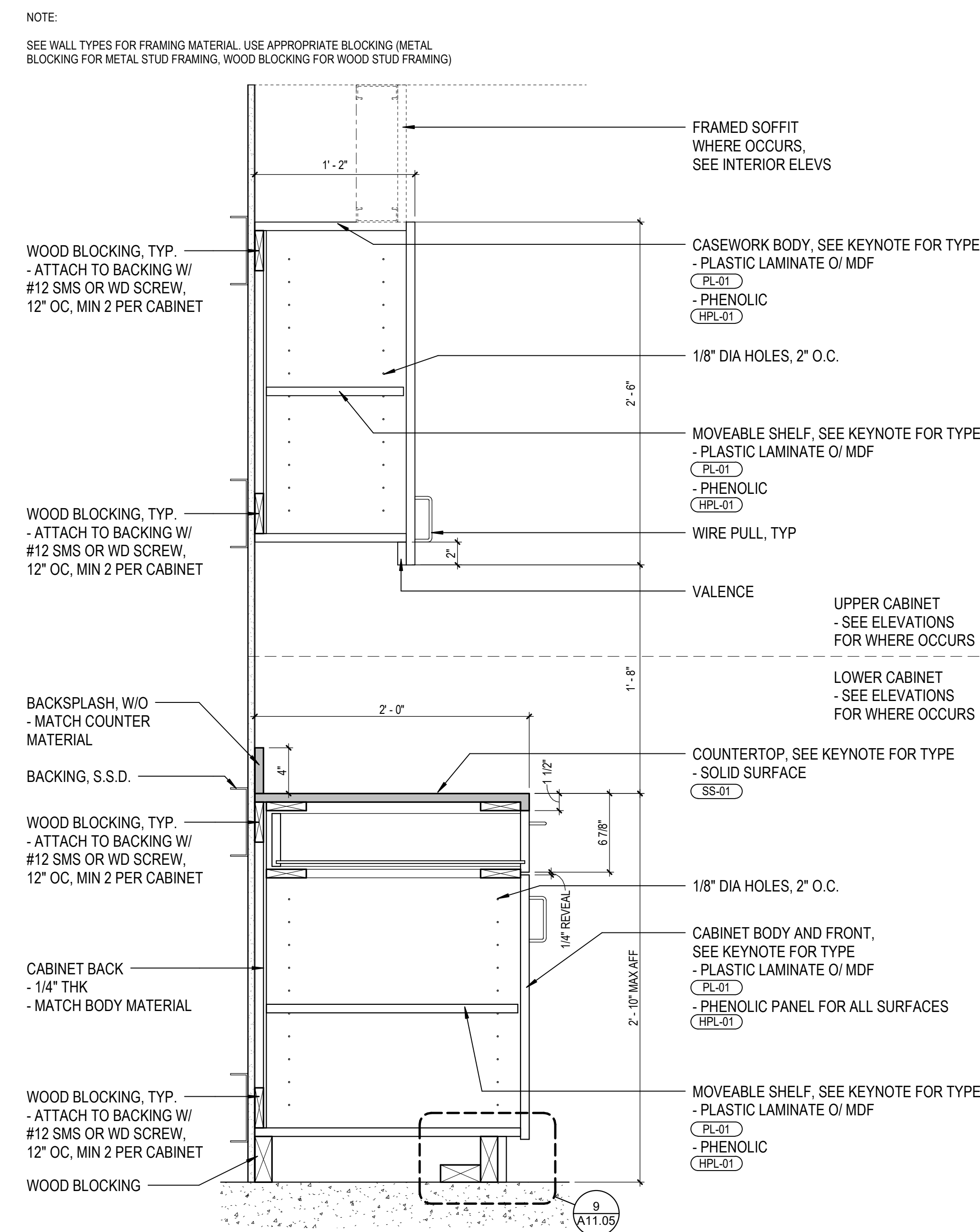
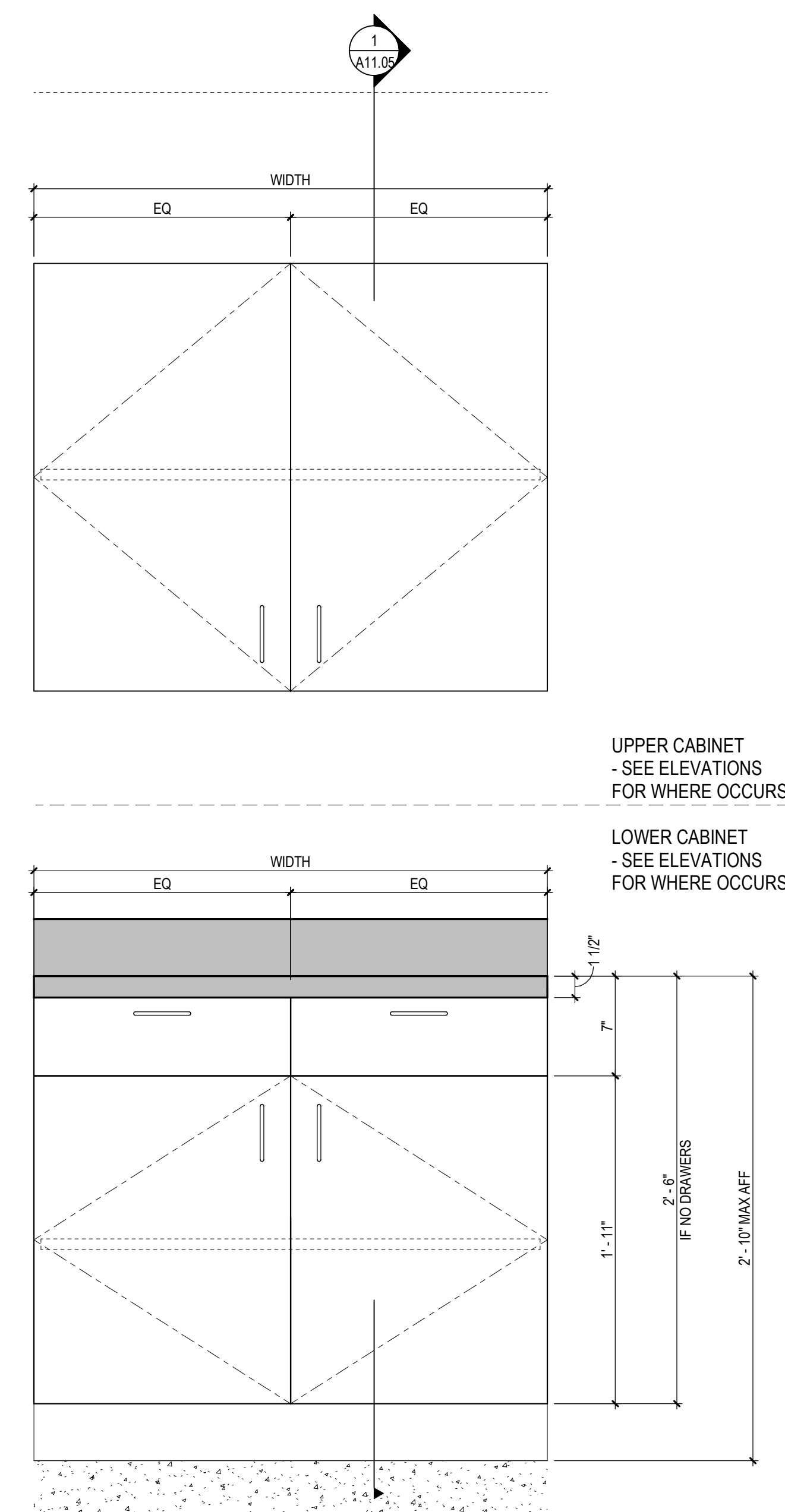
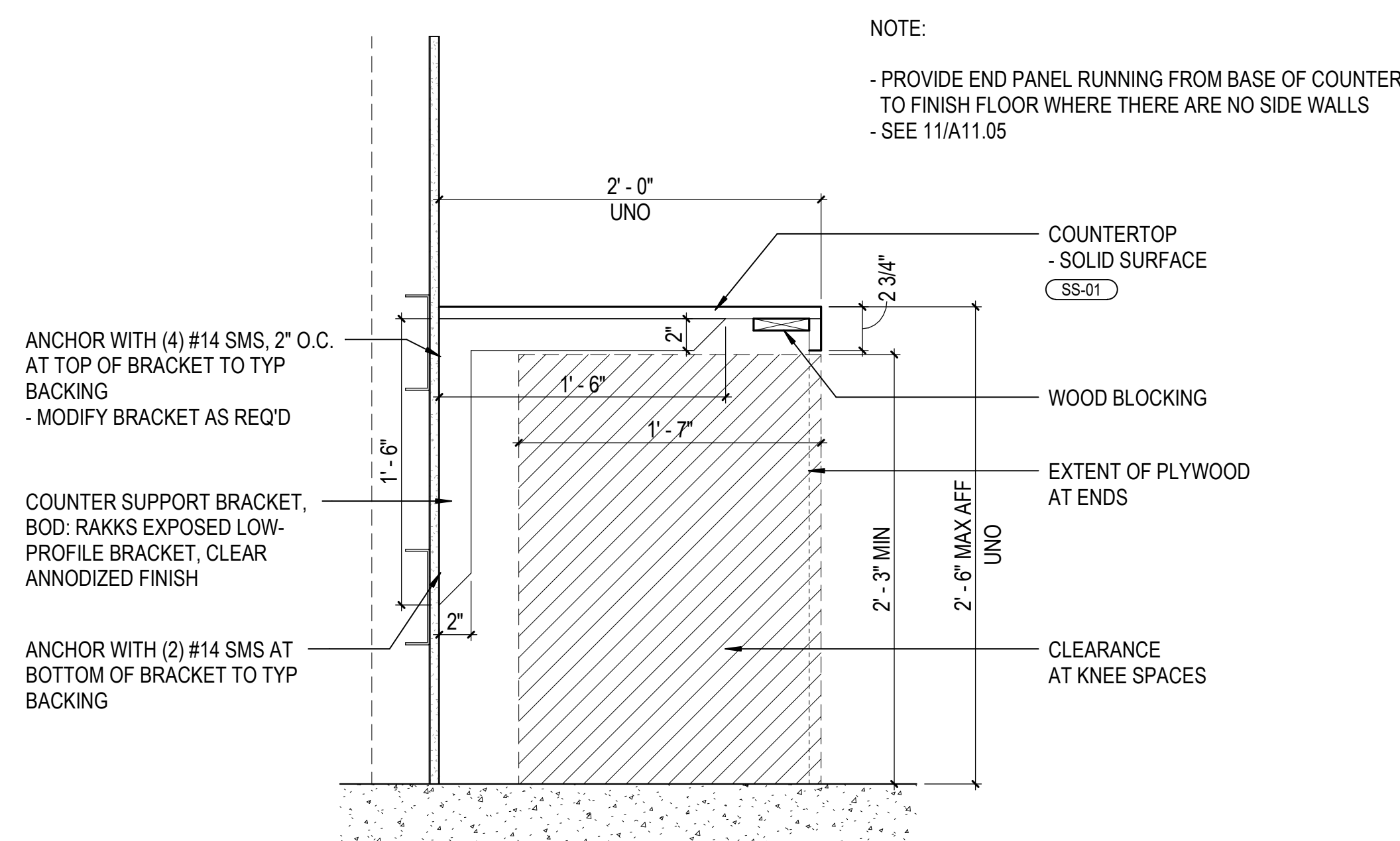
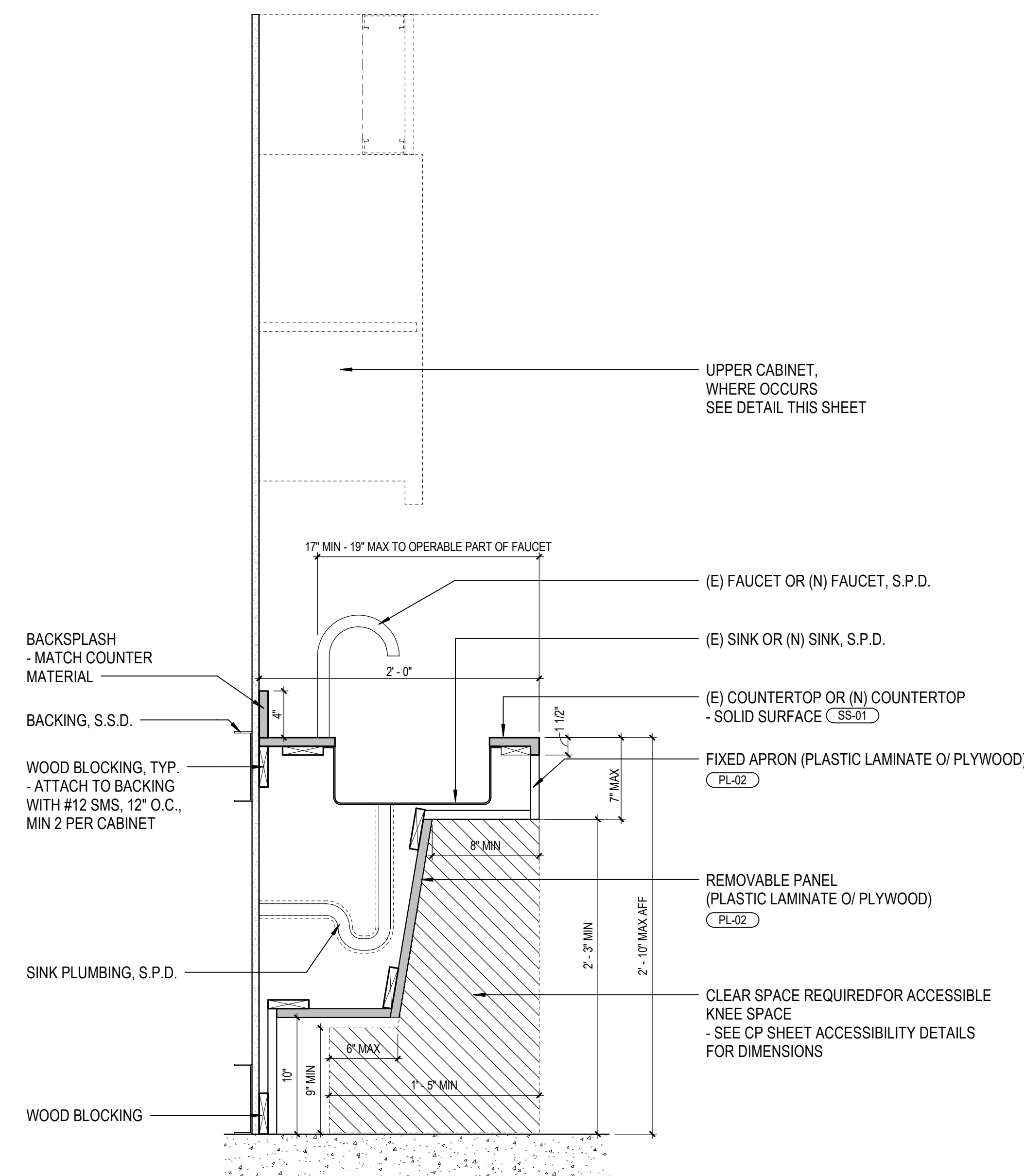
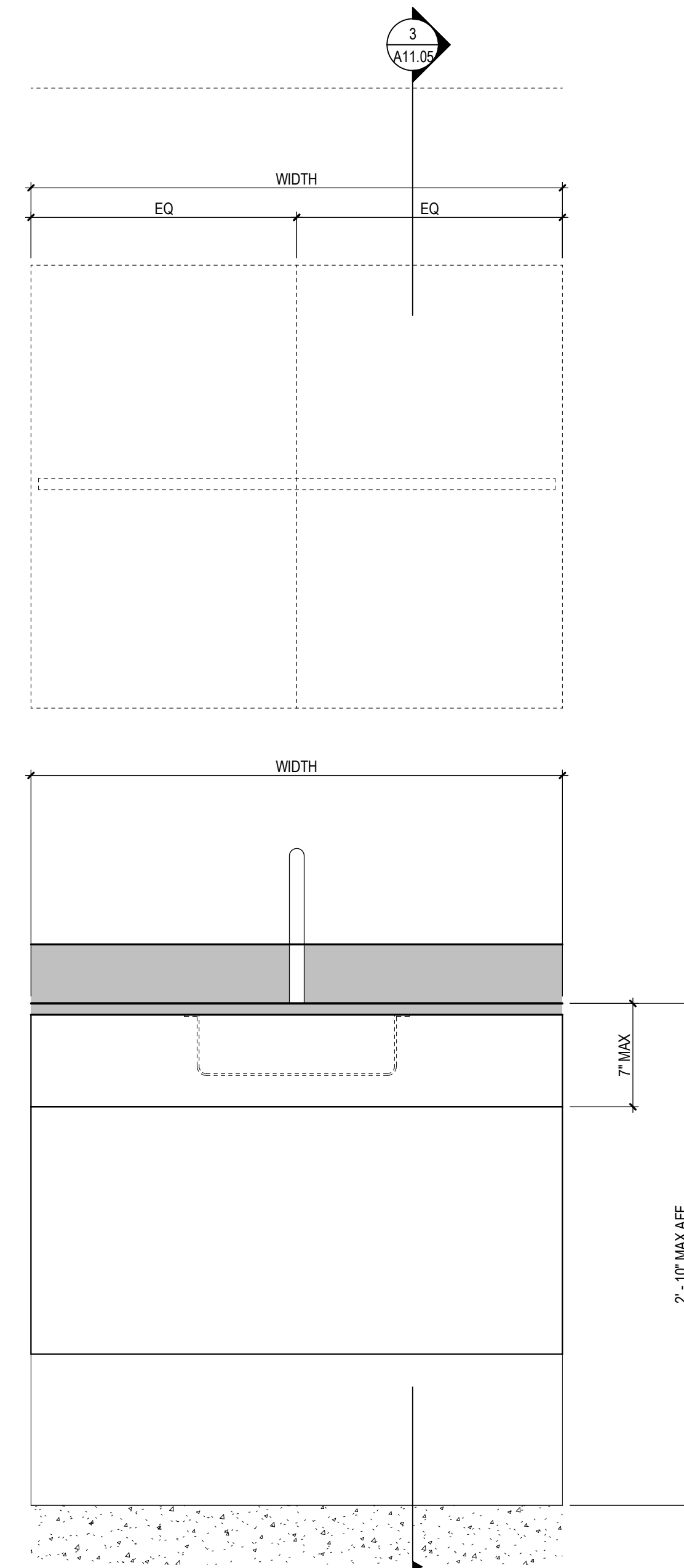
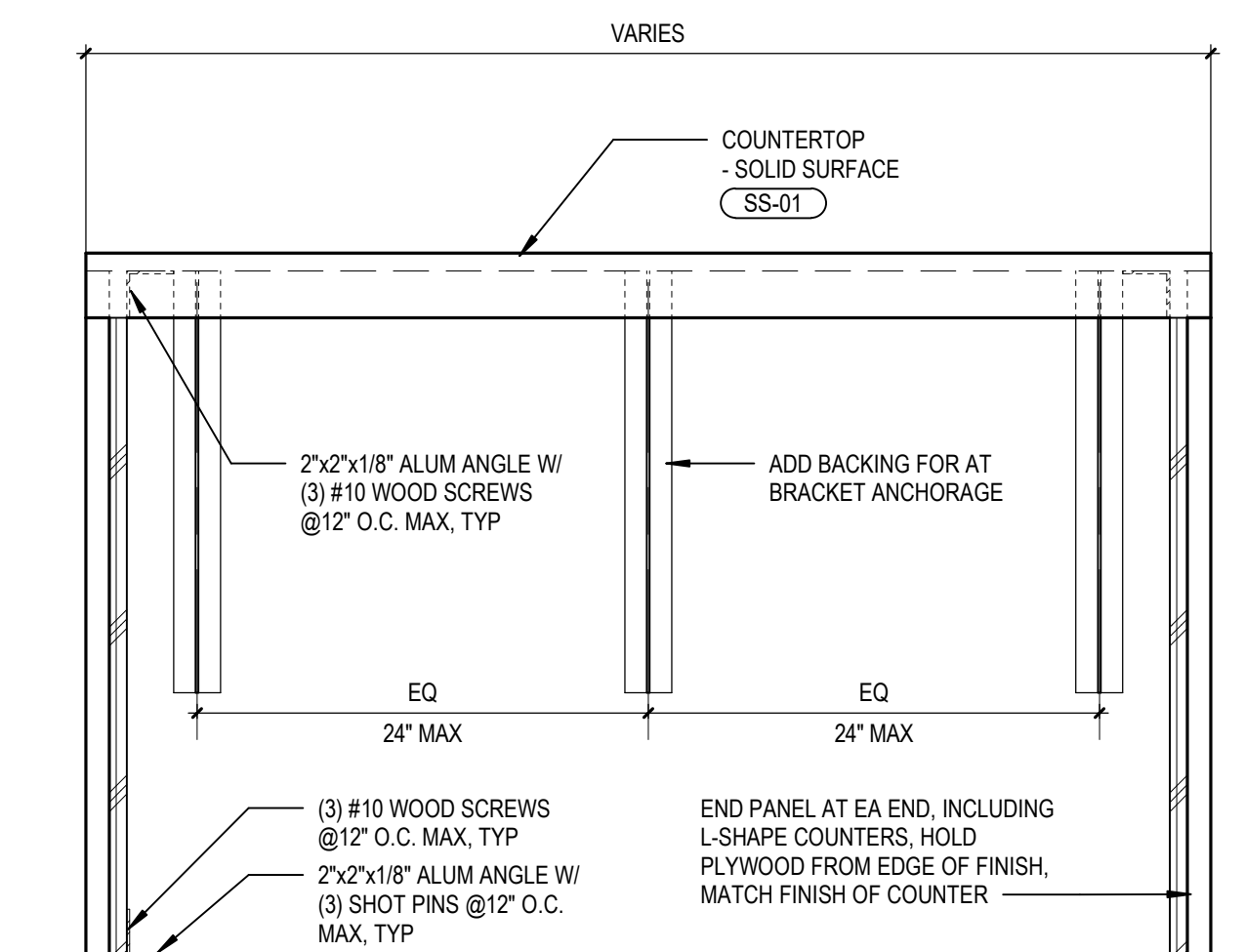
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INTERIOR DETAILS - FLOOR

A11.02



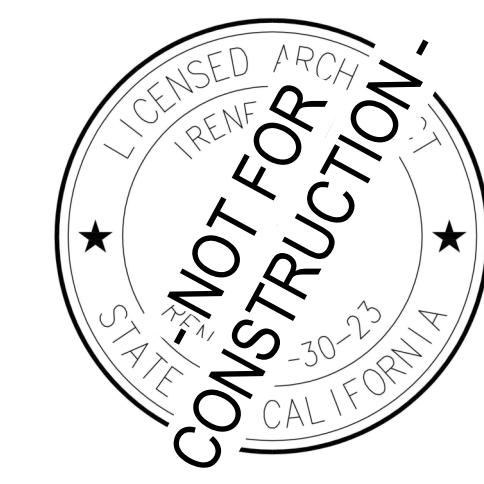


## LEGEND AND NOTES

CASEWORK AND MILLWORK  
GENERAL NOTES

- A CASEWORK AND MILLWORK GENERAL NOTES APPLY TO ALL CASEWORK/MILLWORK SHEETS.
- B ALL CABINETS TO BE 2'-0" DEEP UNITS, UNLESS NOTED OTHERWISE.
- C ALL UPPER WALL CABINETS TO BE 1'-2" DEEP UNITS, UNLESS NOTED OTHERWISE.
- D ALL TALL STORAGE CABINETS TO BE 2'-0" DEEP UNITS, UNLESS NOTED OTHERWISE.
- E ALL CASEWORK AND MILLWORK TO BE ADJUSTABLE SHELVING, UNLESS NOTED OTHERWISE.
- F WHERE PLUMBING OR ELECTRICAL SERVICES ARE LOCATED IN CASEWORK, CASEWORK CONTRACTOR SHALL PROVIDE OPENINGS, COORDINATE LOCATION AND QUANTITY WITH THE PLUMBING OR ELECTRICAL CONTRACTOR.
- G CASEWORK SHALL BE 3'-0" HIGH UNLESS OTHERWISE NOTED WHERE COUNTERTOPS, BACK AND SIDE SPLASHES, CASEWORK AND MILLWORK ABUT WALLS.
- H CASEWORK SHALL BE 18" DEEP UNITS, UNLESS OTHERWISE NOTED. DIMENSIONS OF CABINET LOCATIONS IN THE BUILDING PRIOR TO FABRICATION.
- I CASEWORK FINISHED SURFACES SHALL EXPOSED ENDS OF CASEWORK AND MILLWORK.
- J ALL EXPOSED SURFACES IN OPEN SHELVING SHALL BE PLASTIC FILMBARRE COVERED.
- K SEE DETAIL 10A110S FOR TYPICAL CORNER WORKSURFACE DETAIL.
- L FINISHES INDICATED WITH XXX-# SYMBOL ARE SCHEDULED ON SHEET A12.040.

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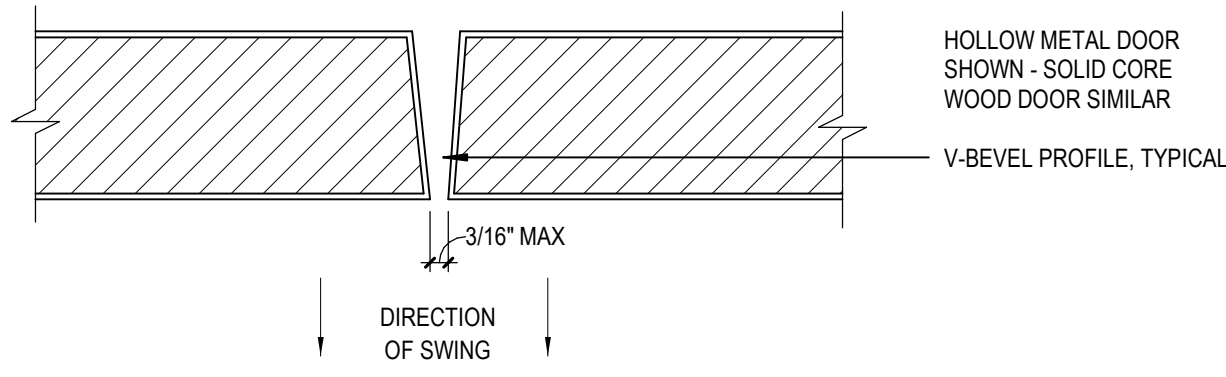
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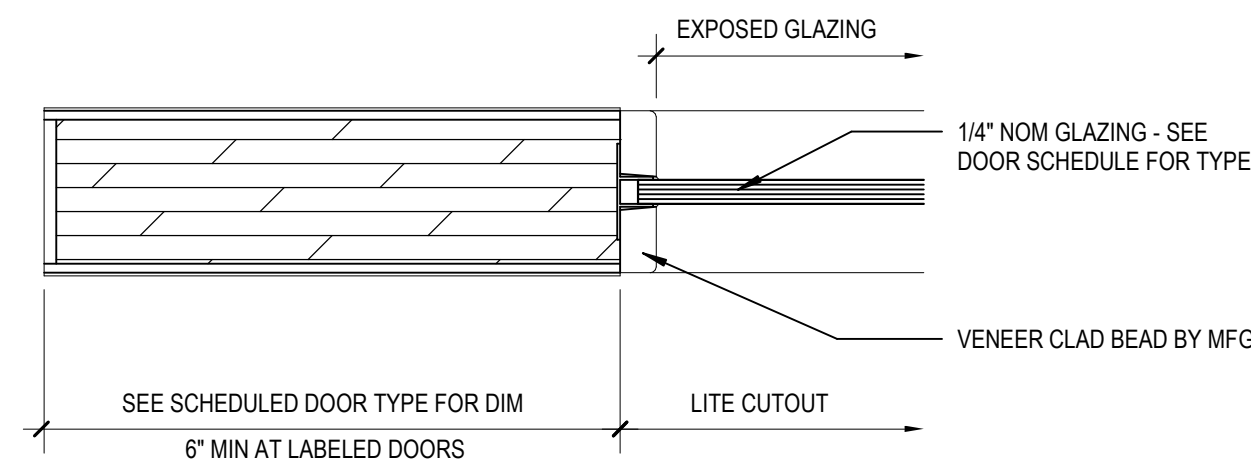
## INTERIOR DETAILS - CASEWORK

## A11.05

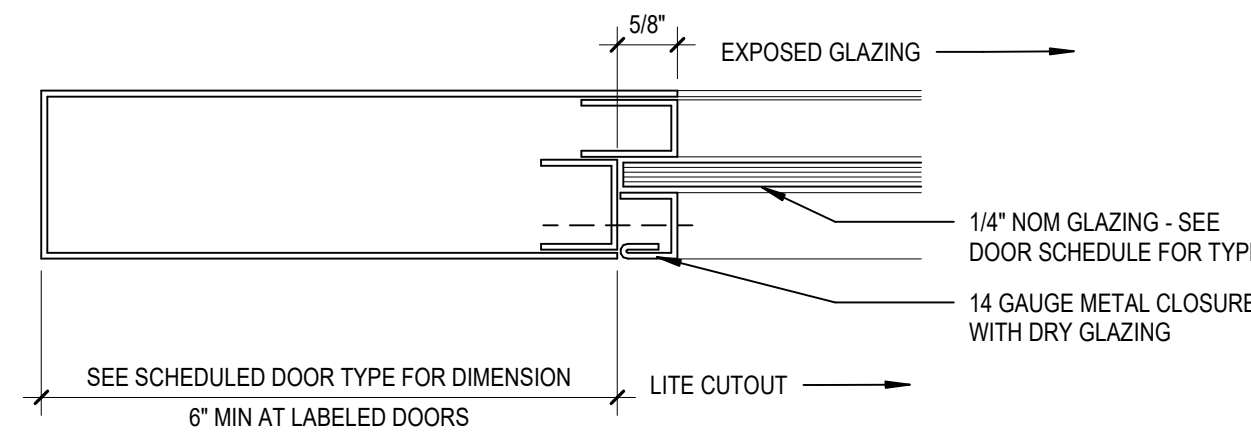




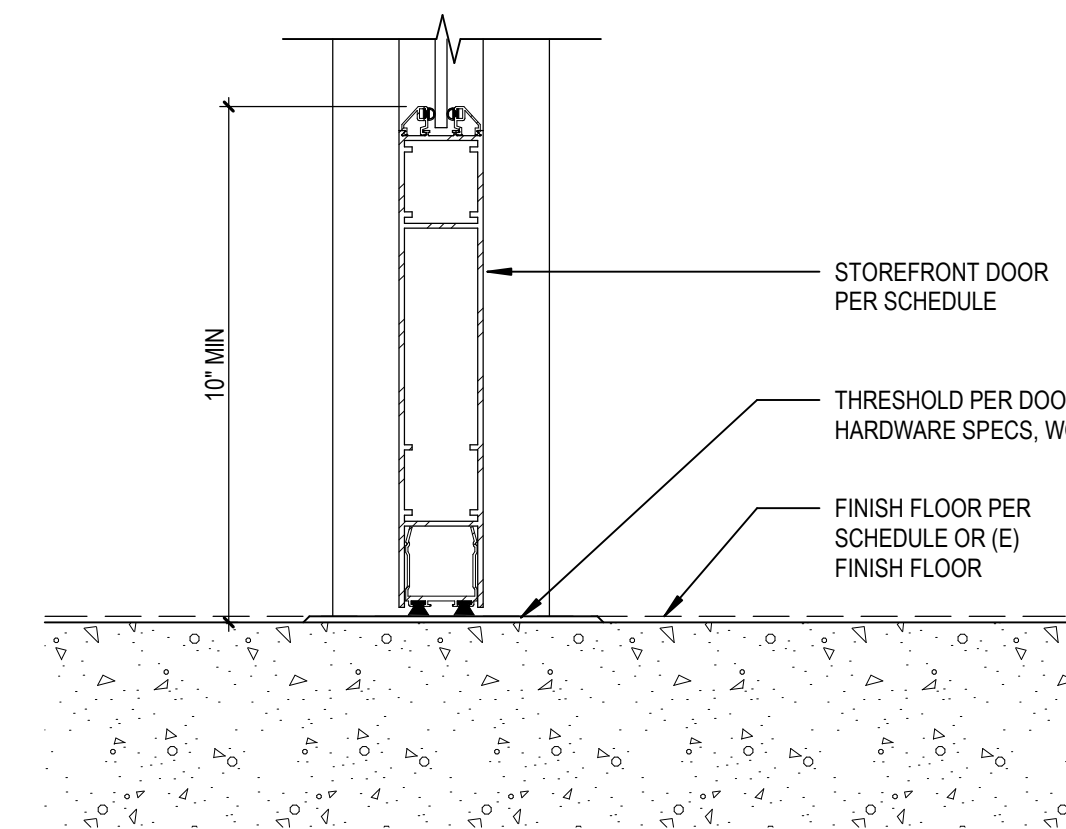
20 STILE EDGE - NON-RATED NON-ACOUSTICAL  
A11.20 SCALE: 6" = 1'-0"



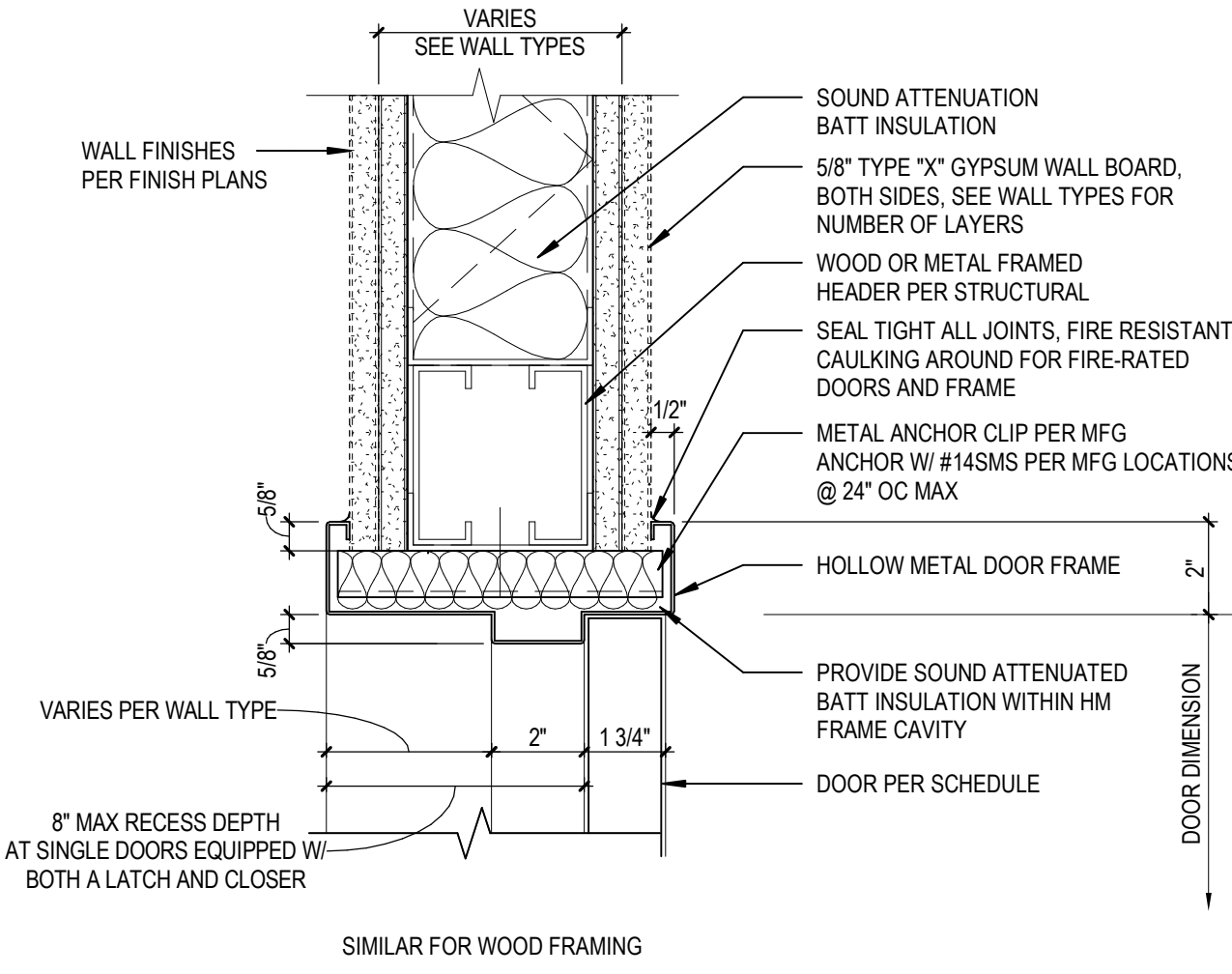
19 DOOR GLAZING - SOLID CORE WOOD  
A11.20 SCALE: 6" = 1'-0"



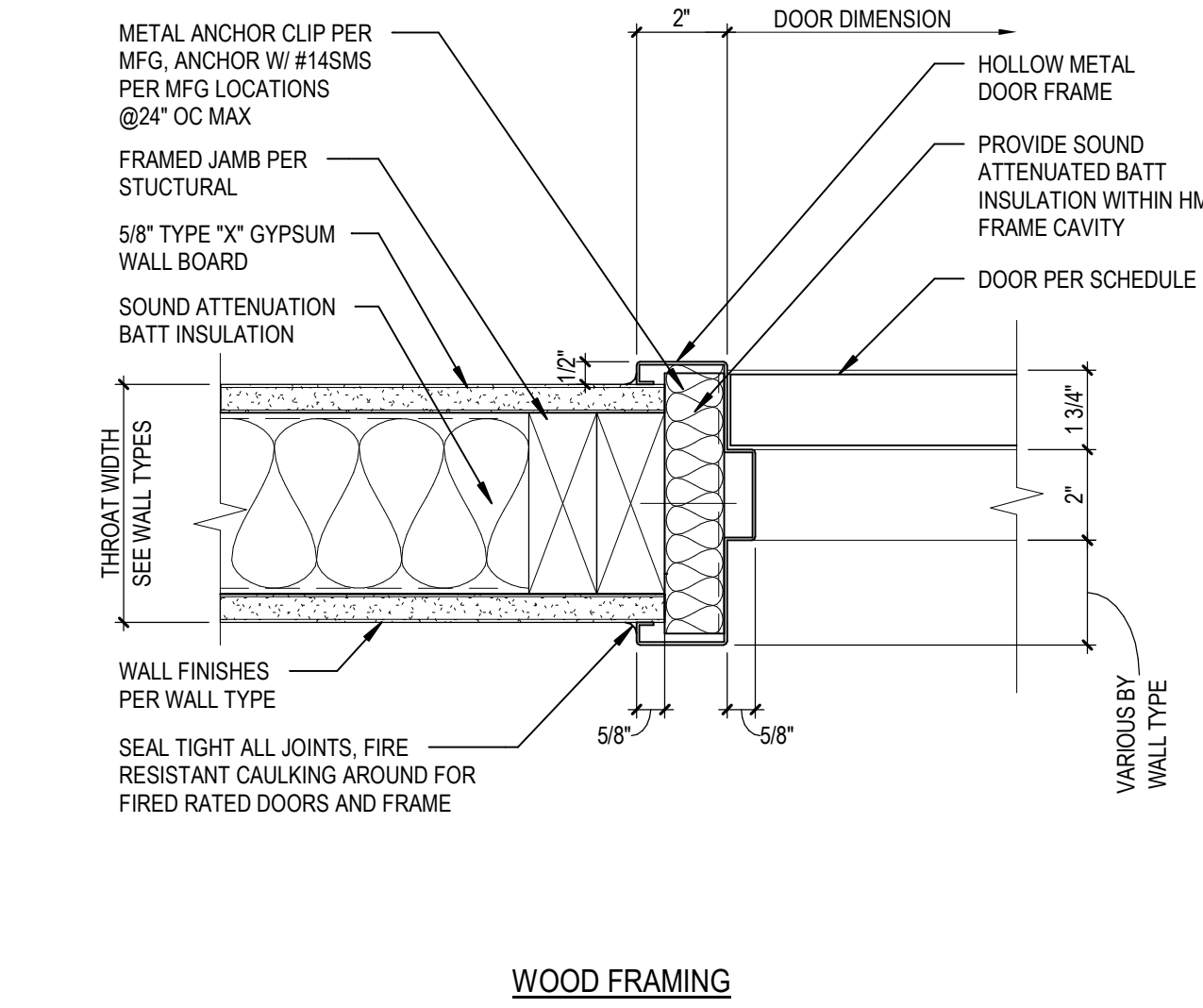
18 DOOR GLAZING - HOLLOW METAL  
A11.20 SCALE: 6" = 1'-0"



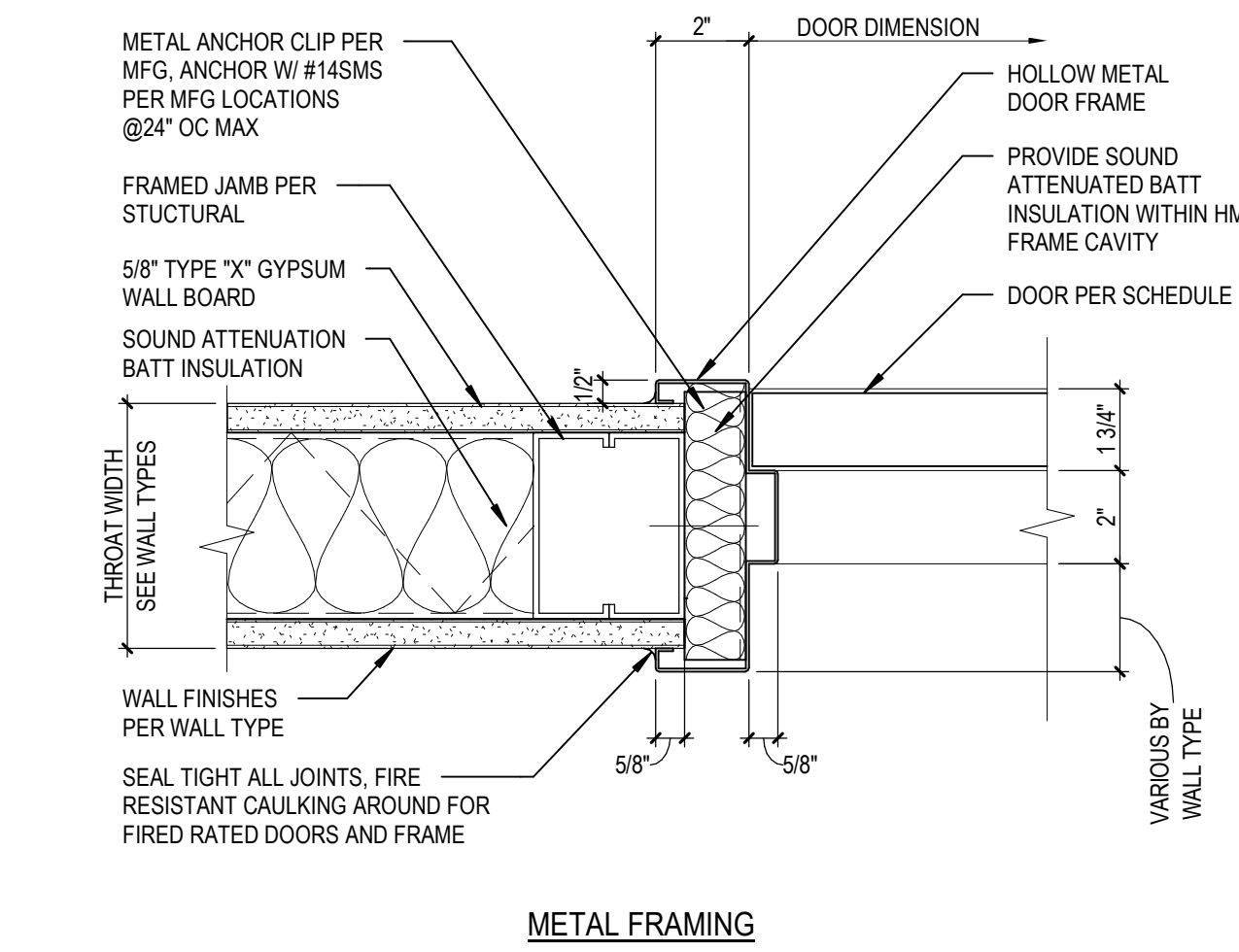
17 DETAIL - INT - DOOR - INTERIOR STOREFRONT DOOR SILL  
A11.20 SCALE: 3" = 1'-0"



16 DETAIL - INT - DOOR - DOOR HEAD - INTERIOR - RATED  
A11.20 SCALE: 3" = 1'-0"



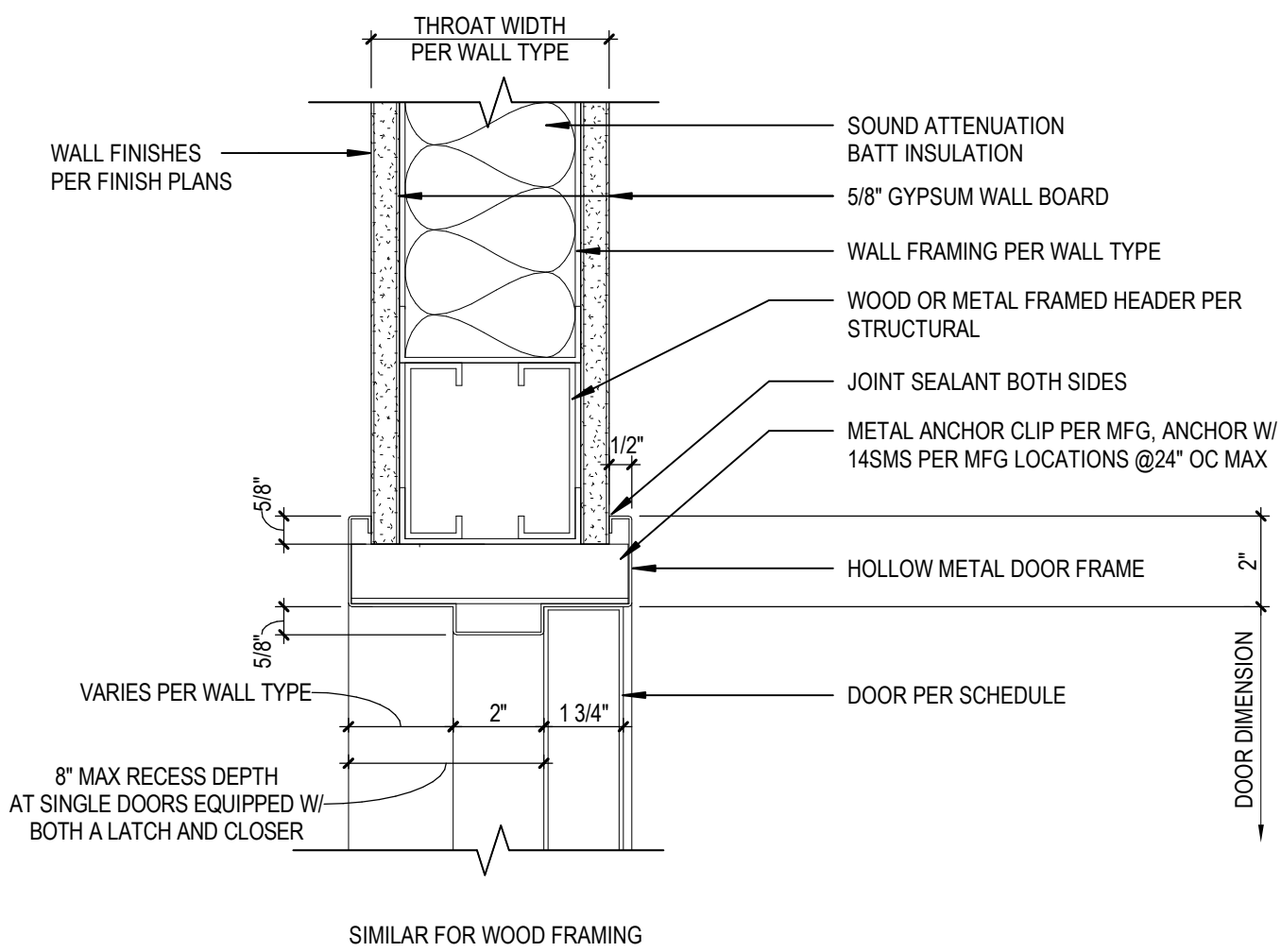
WOOD FRAMING



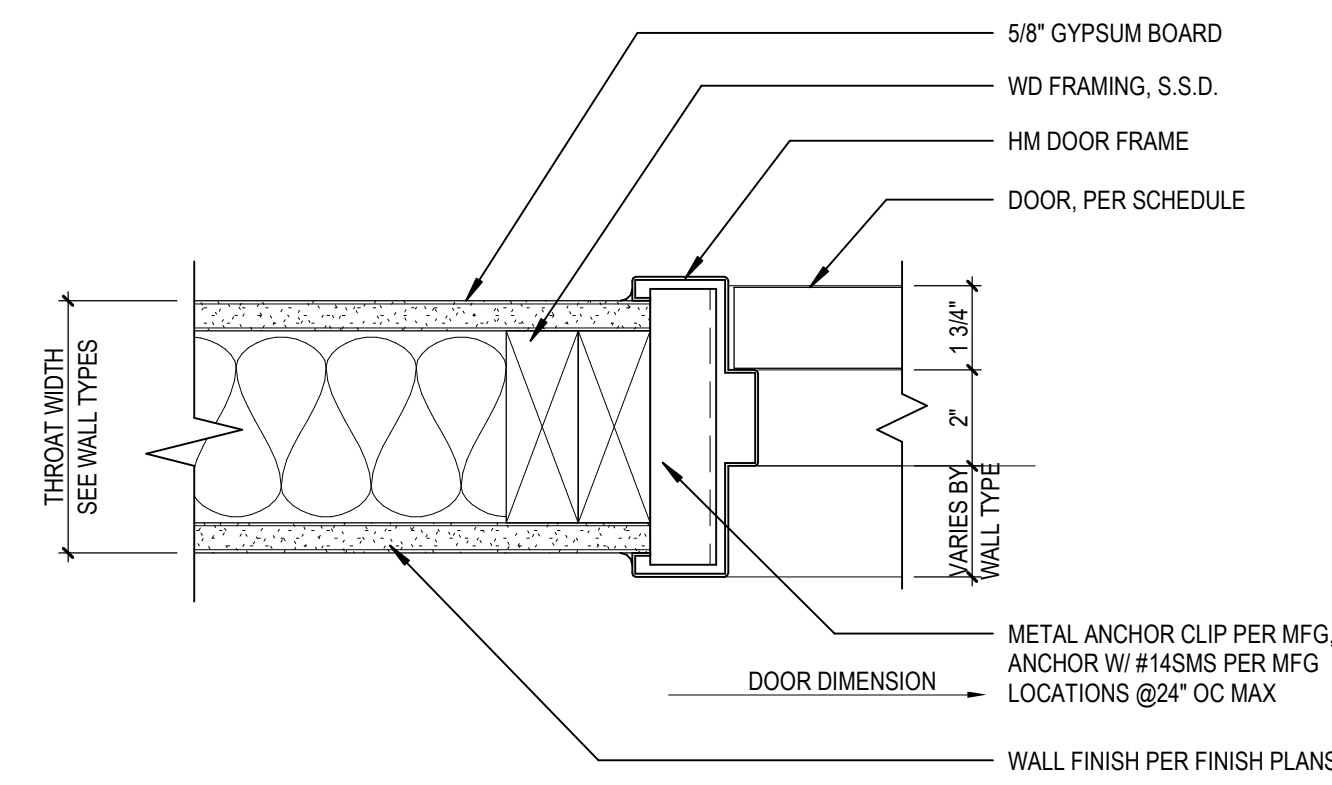
METAL FRAMING

INSTALL (4) #8 x 1/2" SMS AT CORNERS OF HEAD TO ATTACH TO JAMBS

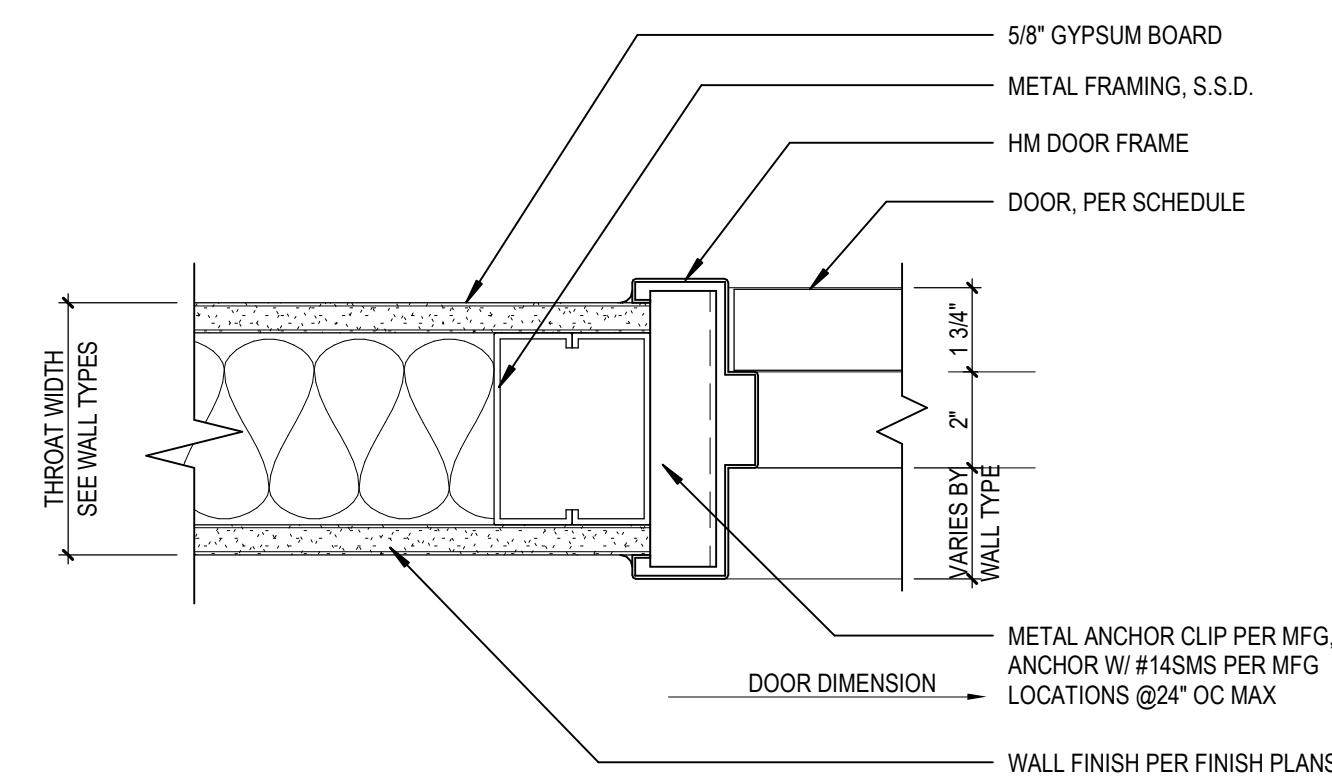
14 DETAIL - INT - DOOR - DOOR JAMB - INTERIOR - RATED  
A11.20 SCALE: 3" = 1'-0"



12 DETAIL - INT - DOOR - DOOR HEAD - INTERIOR - NON RATED  
A11.20 SCALE: 3" = 1'-0"



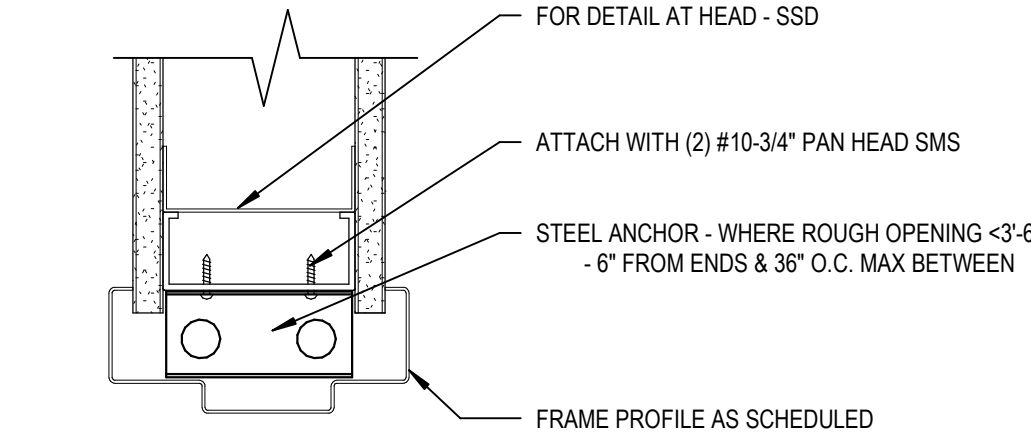
WOOD FRAMING



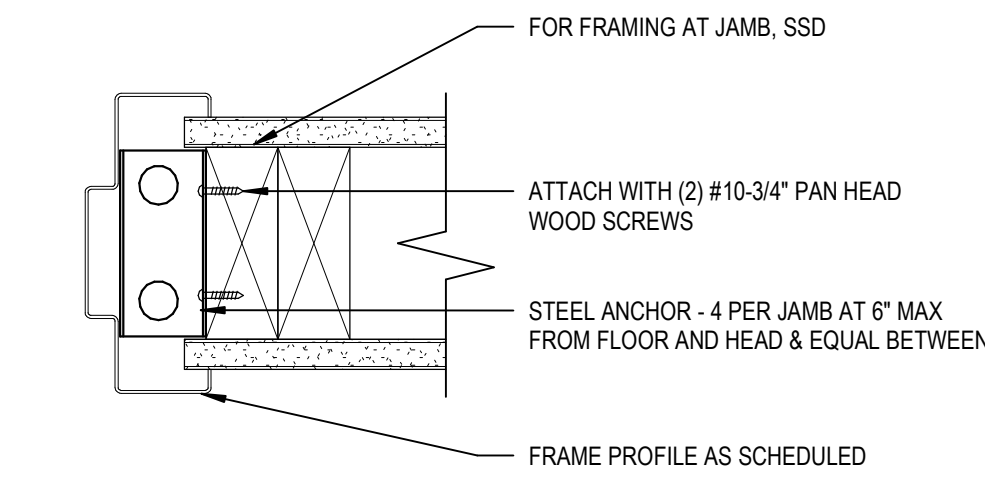
METAL FRAMING

INSTALL (4) #8 x 1/2" SMS AT CORNERS OF HEAD TO ATTACH TO JAMBS

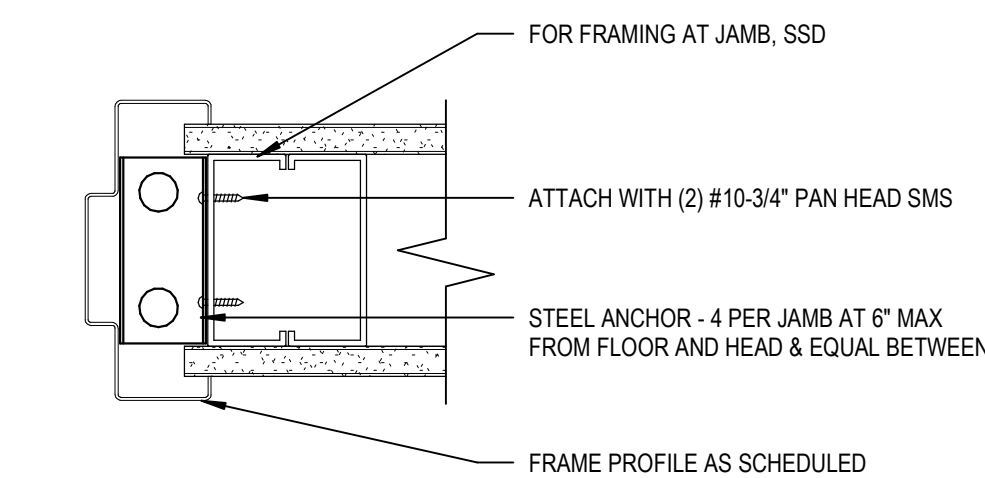
10 DETAIL - INT - DOOR - DOOR JAMB - INTERIOR - NON RATED  
A11.20 SCALE: 3" = 1'-0"



8 DETAIL - INT - DOOR - FRAME ATTACHMENT @ METAL FRAME OPENINGS - HEAD  
A11.20 SCALE: 3" = 1'-0"



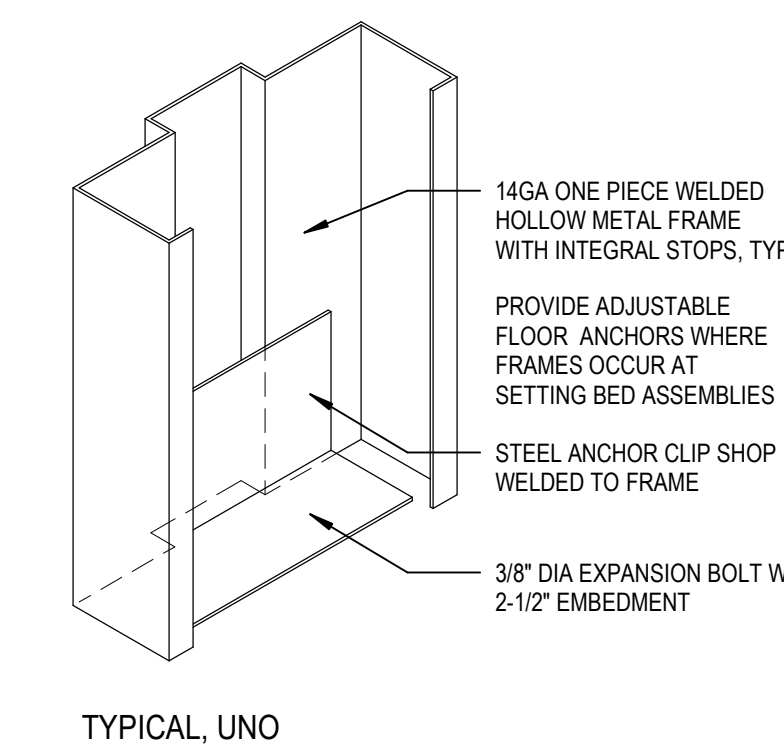
WOOD FRAMING



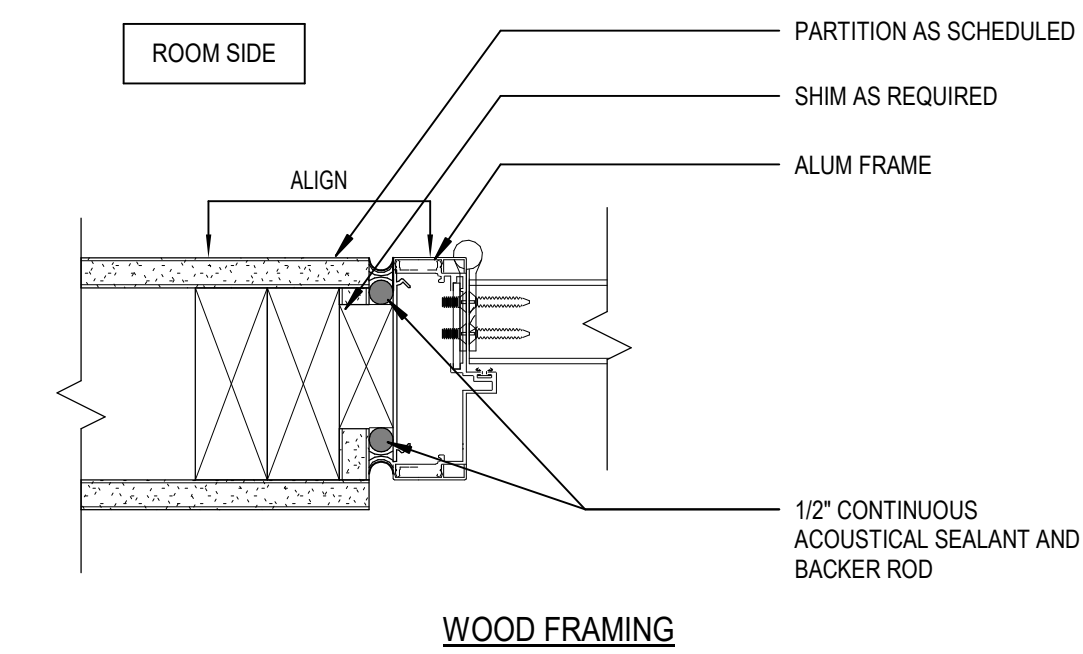
METAL FRAMING

INSTALL (4) #8 x 1/2" SMS AT CORNERS OF HEAD TO ATTACH TO JAMBS

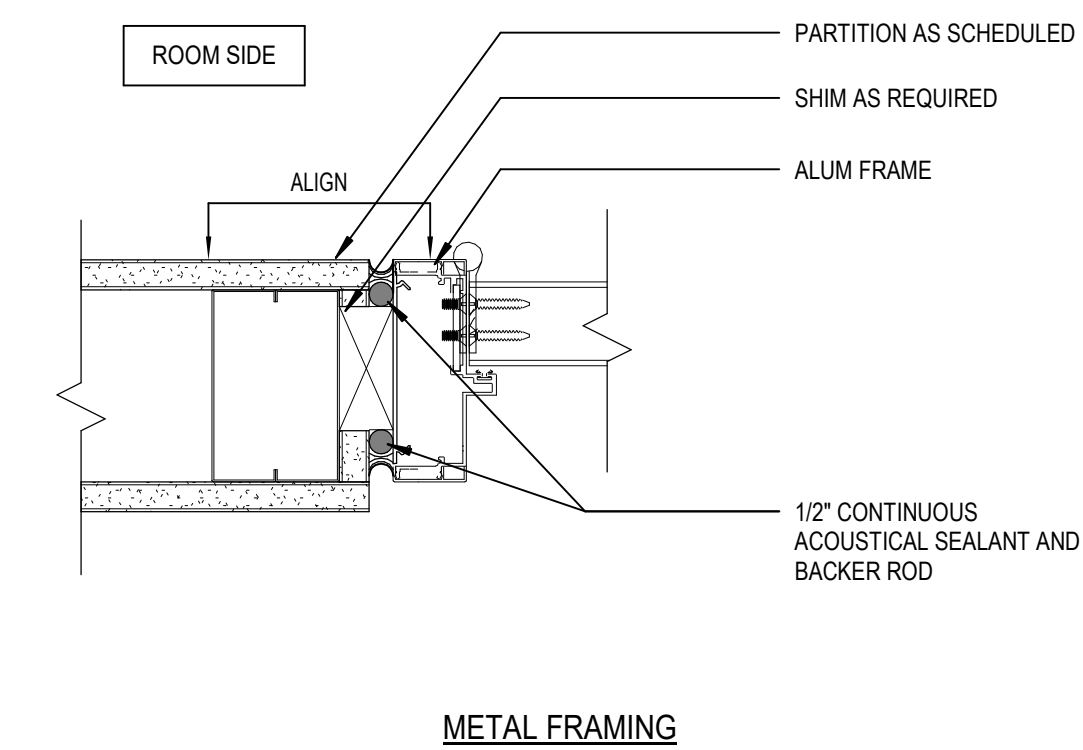
6 DETAIL - INT - DOOR - FRAME ATTACHMENT @ METAL FRAME OPENINGS - JAMB  
A11.20 SCALE: 3" = 1'-0"



5 DETAIL - INT - DOOR - HOLLOW METAL FRAME - FLOOR ANCHOR  
A11.20 SCALE: 3" = 1'-0"

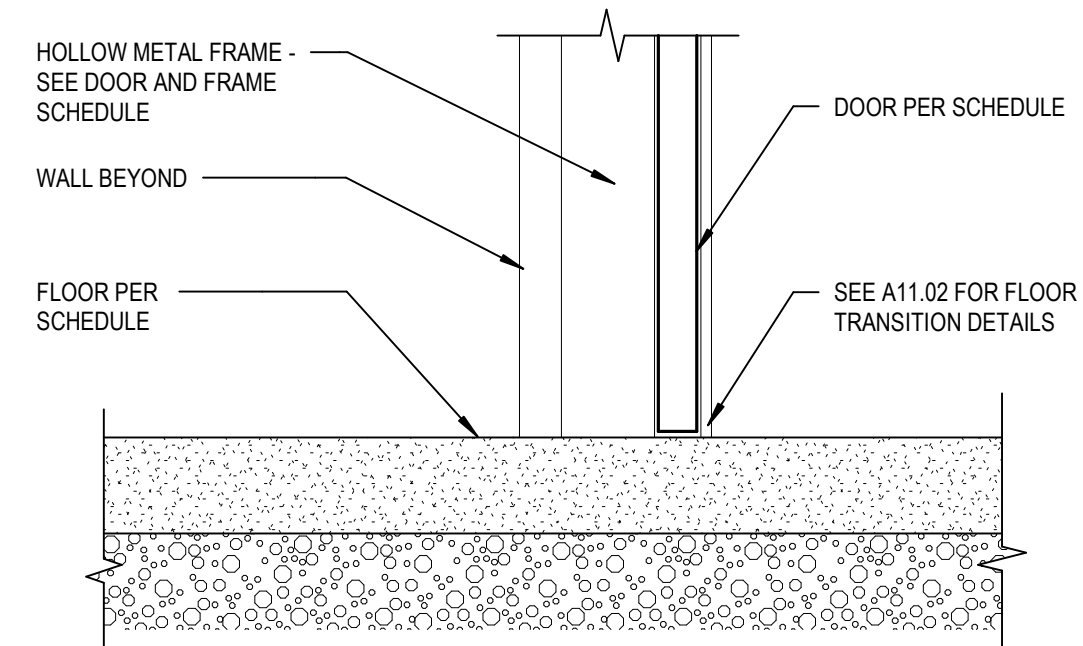


WOOD FRAMING



METAL FRAMING

2 DETAIL - INT - PLAN - STOREFRONT SYSTEM - DOOR JAMB  
A11.20 SCALE: 3" = 1'-0"



1 DETAIL - INT - DOOR - DOOR SILL - INTERIOR  
A11.20 SCALE: 1 1/2\"/>

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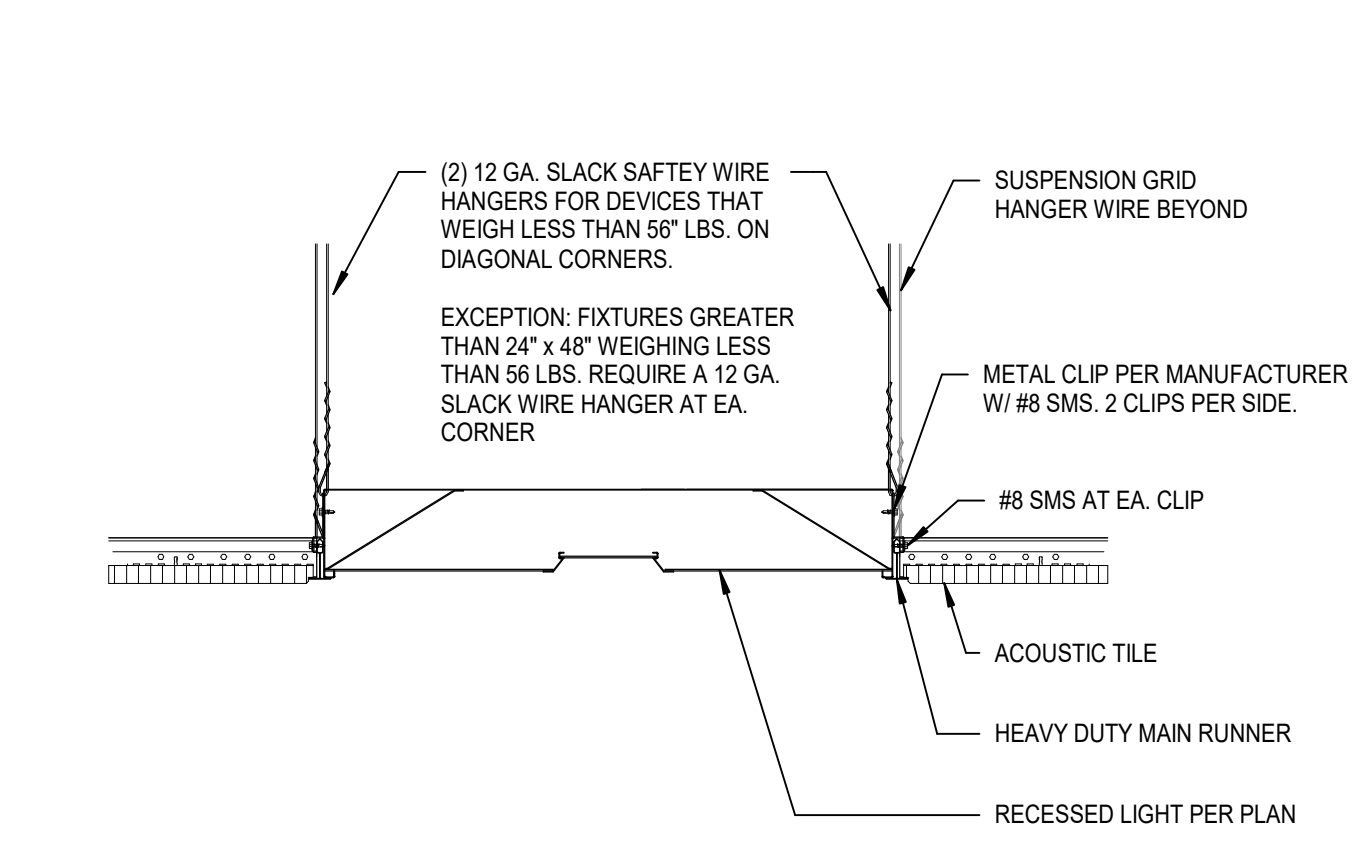
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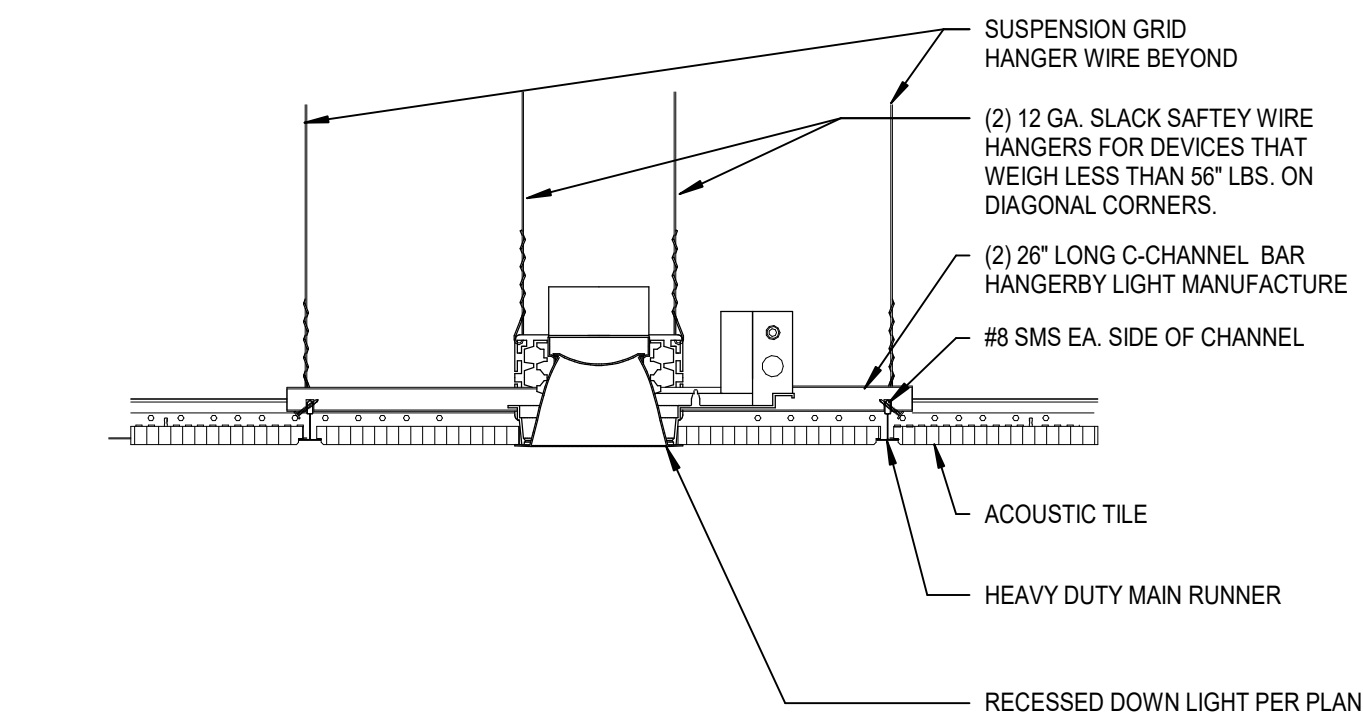
INTERIOR DETAILS - DOOR

A11.20

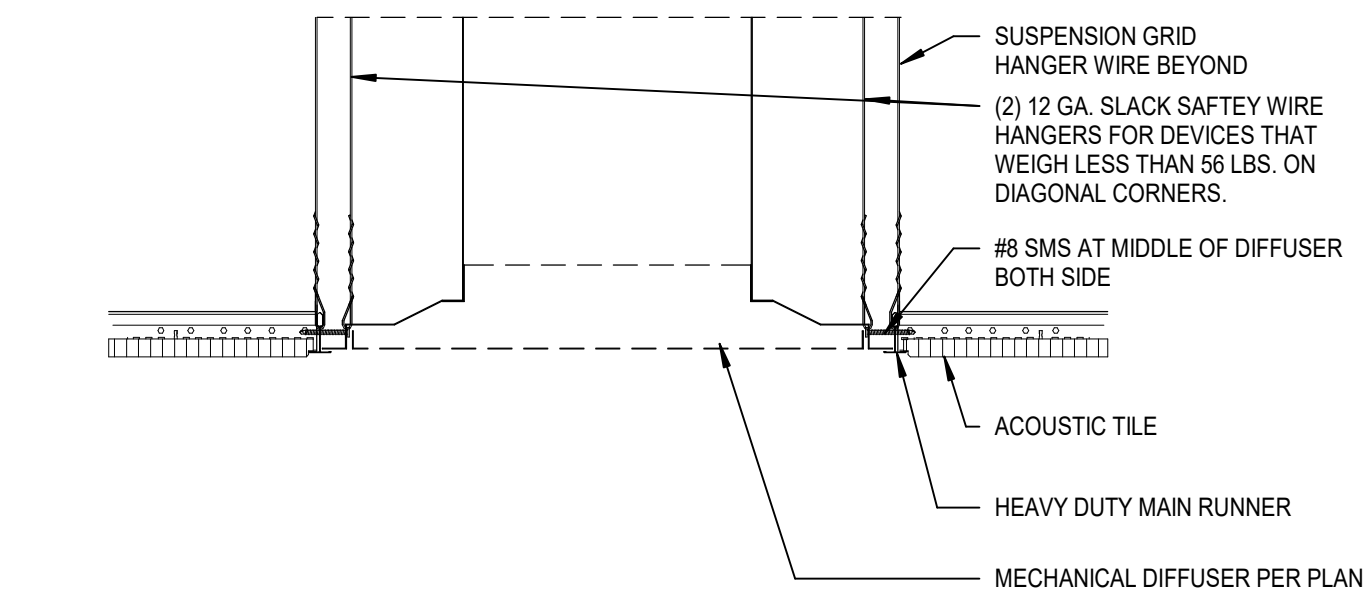




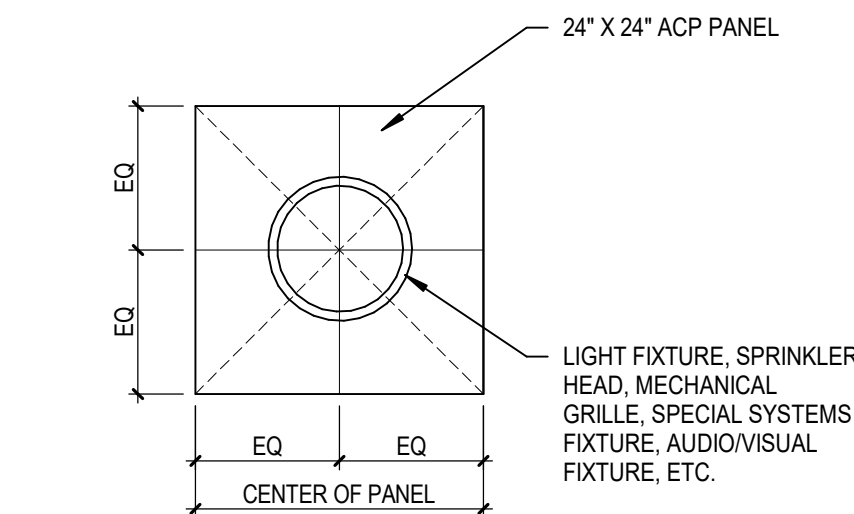
11 RECESSED LIGHT IN CEILING GRID  
A11.30 SCALE: 1 1/2" = 1'-0"



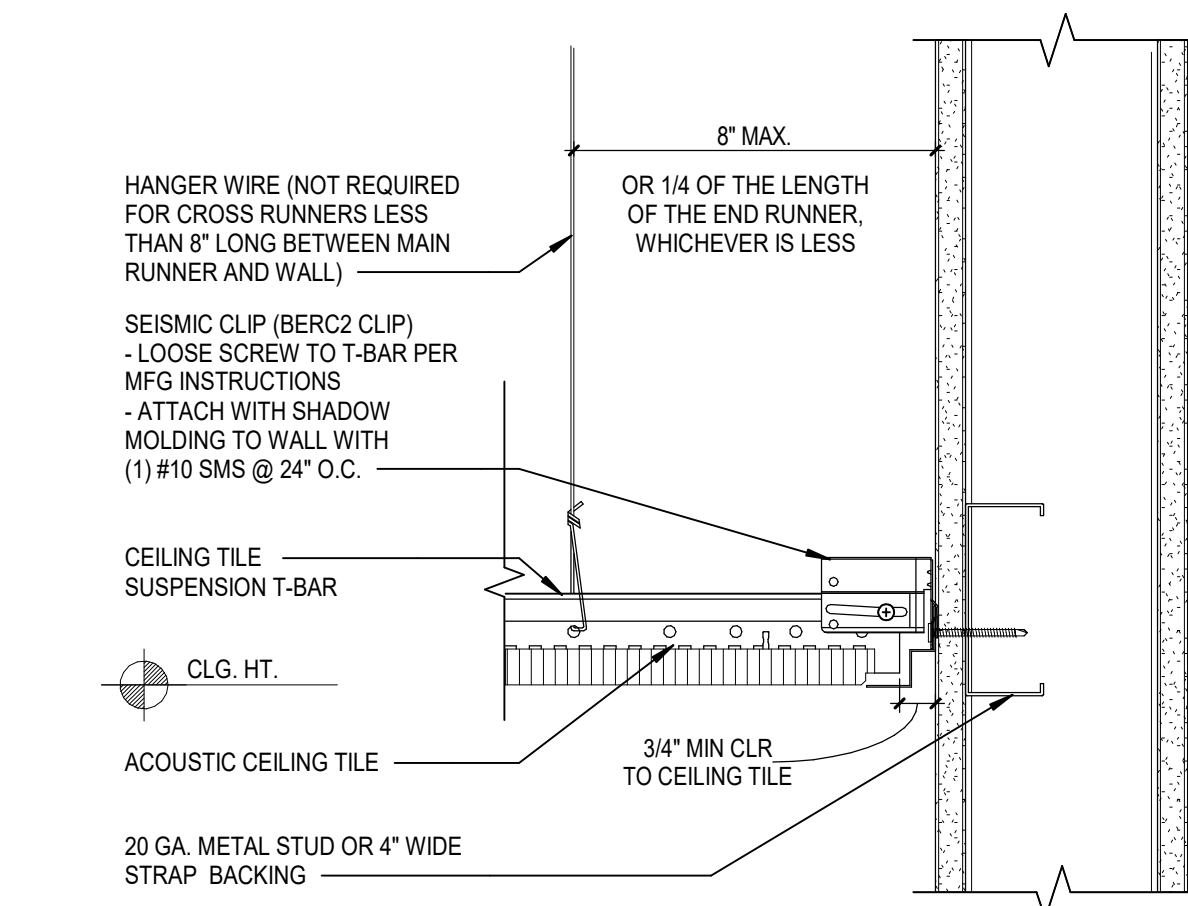
10 RECESSED DOWN LIGHT IN CEILING GRID  
A11.30 SCALE: 1 1/2" = 1'-0"



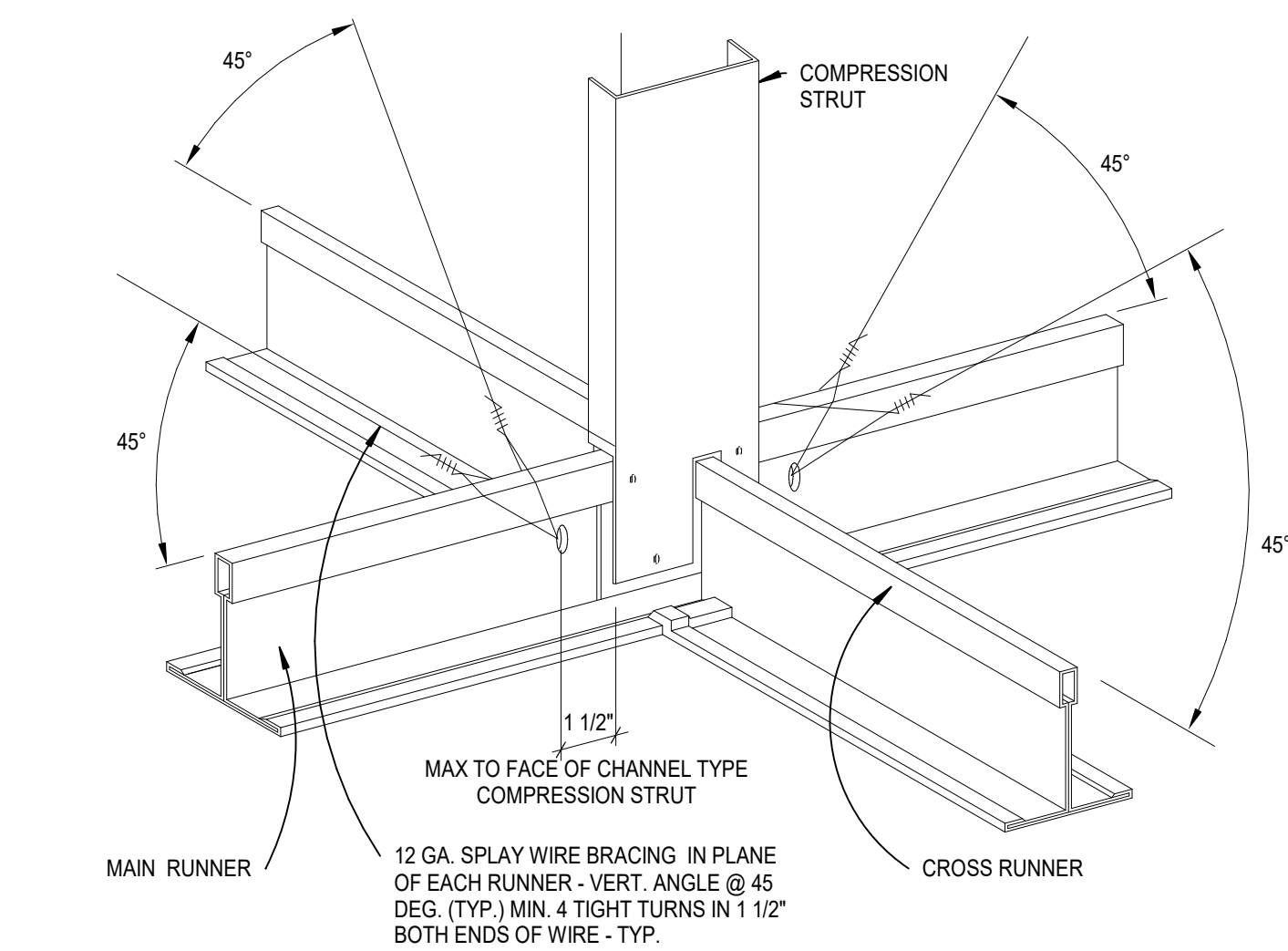
9 DIFFUSER IN CEILING GRID  
A11.30 SCALE: 1 1/2" = 1'-0"



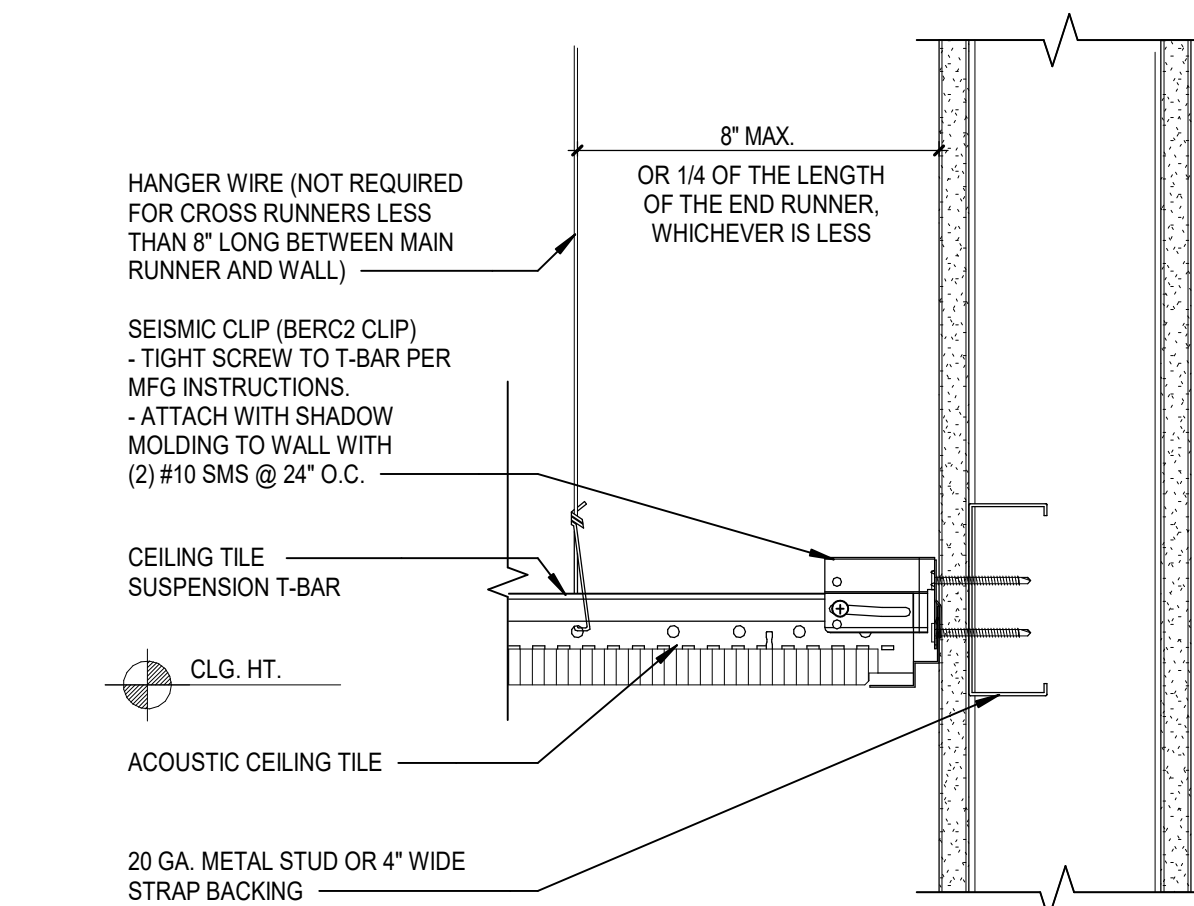
14 DETAIL - INT - CEILING - ACP - FIXTURE LOCATION IN ACP PANEL  
A11.30 SCALE: 1 1/2" = 1'-0"



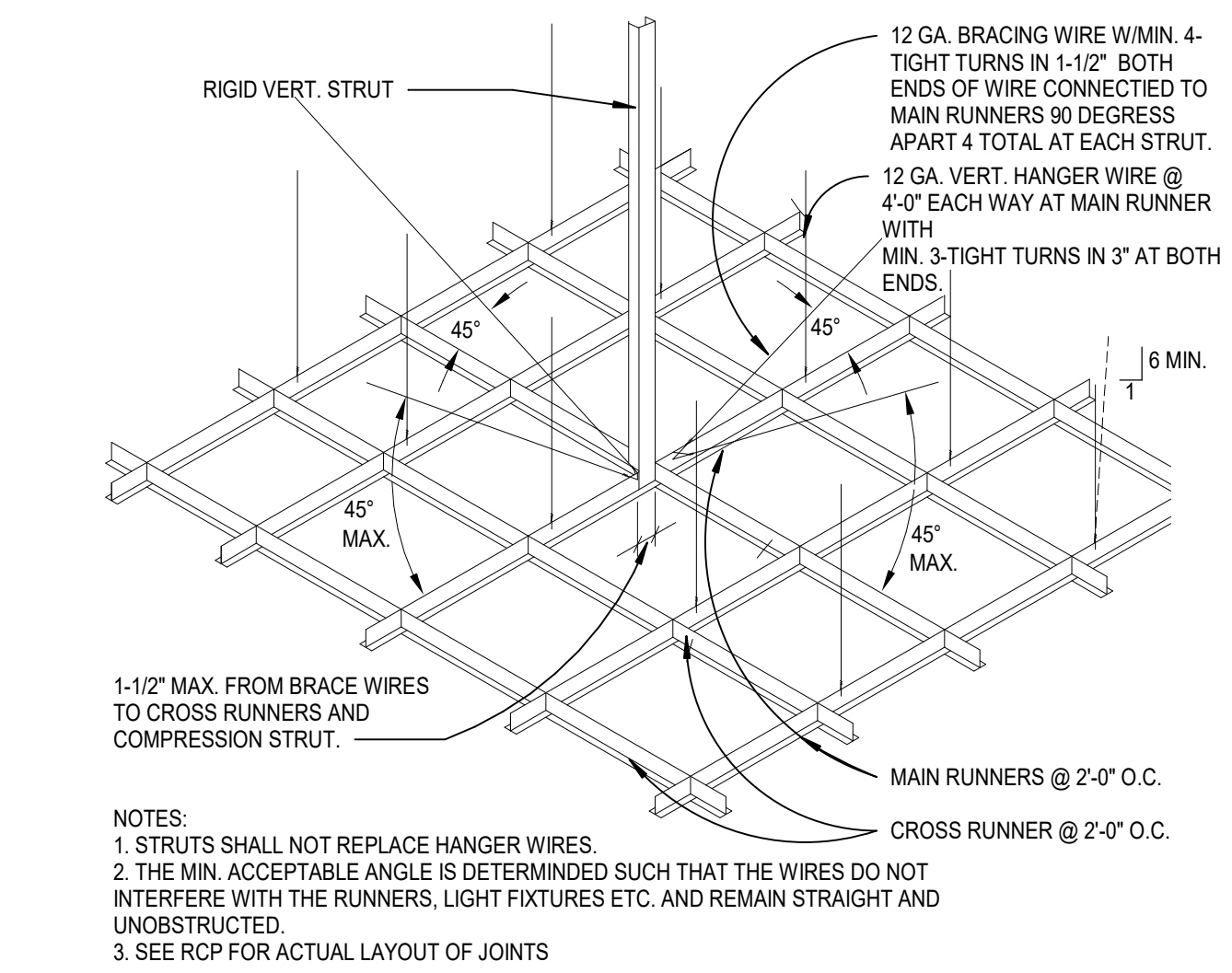
8 SUSPENDED ACP CEILING @ FREE WALL  
A11.30 SCALE: 3" = 1'-0"



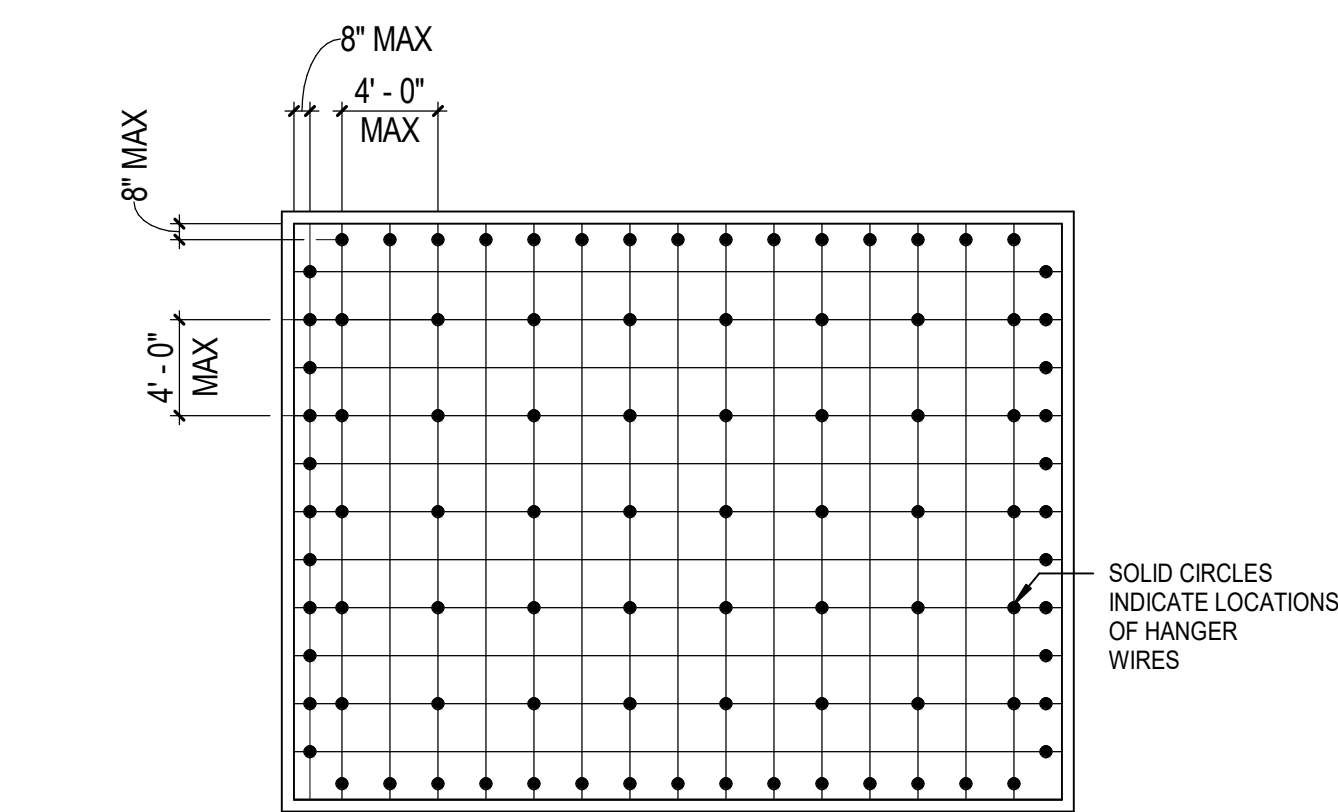
7 DETAIL - INT - CEILING - ACP - SPLAY WIRE CONNECTION  
A11.30 SCALE: NTS



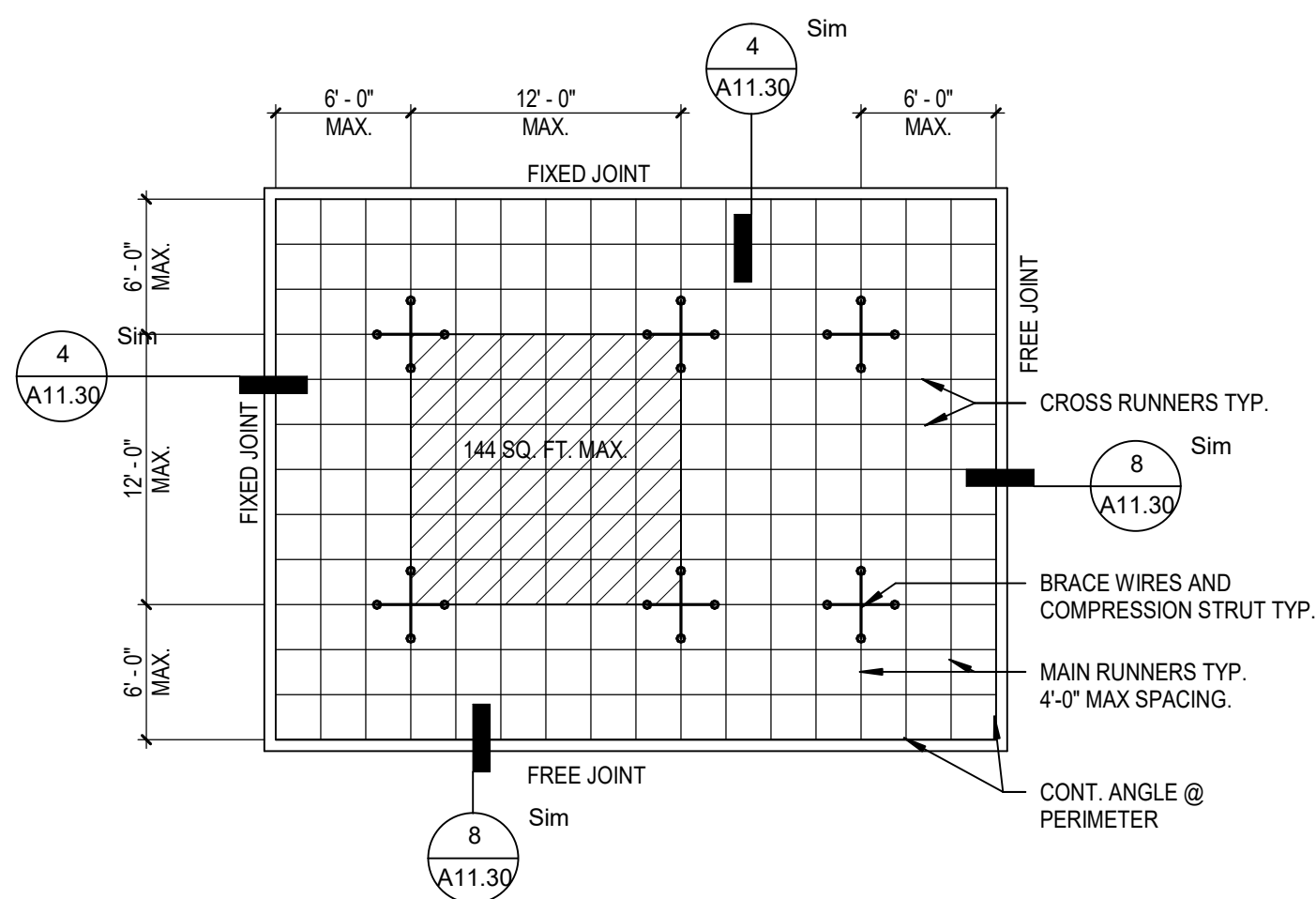
4 SUSPENDED ACP CEILING @ FIXED WALL  
A11.30 SCALE: 3" = 1'-0"



6 CLG. PANEL RUNNER LAYOUT ISOMETRIC (2X2)  
A11.30 SCALE: NTS



13 DETAIL - INT - CEILING - ACP - HANGER PLAN  
A11.30 SCALE: NTS



1 DETAIL - INT - CEILING - ACP - BRACING LAYOUT PLAN  
A11.30 SCALE: NTS

THE FOLLOWING NOTES APPLY TO ALL CEILING DETAIL SHEETS

## SUSPENDED CEILING NOTES

METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILINGS - DSA IR 25-2.13

### SECTION 1 - CEILING SYSTEM GENERAL NOTES:

- CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C835-07 AND SECTION 5.1 OF ASTM E580-10a.
- THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C835-08.
- CEILING SYSTEMS: THE FOLLOWING CEILING SYSTEMS SHARE PART OF THE SCOPE OF THIS PROJECT:
  - MANUFACTURER: ARMSTRONG
  - EVALUATION REPORT: ICC-ES ESR-1386
  - MAIN RUNNER: PRELUDE XL 73014RC
  - CROSS RUNNER: PRELUDE XL XL7328
- SEISMIC WALL CLIP: ARMSTRONG
- MANUFACTURER'S MODEL: BERC2
- CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
- FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP.

### SECTION 2 - MATERIALS:

- CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A661-09a. WIRE SHALL BE #12 GAGE (0.106 INCHES IN DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
- GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POSTS) SHALL CONFORM TO ASTM A653-11 OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A2.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007, INCLUDING SUPPLEMENT 2 DATED 2010 (AISI S100-07S2-10). MATERIAL: 43 ML (18 GAGE) AND LIGHTER SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 ML (16 GAGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
- ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.33A.797 CARBON STEEL WITH G60 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (Fy) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (Fu) OF 48 KSI.

### SECTION 3 - ATTACHMENT OF HANGER AND BRACING WIRES:

- SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRAIDED PIPES, DUCTS, CONDUIT, ETC.
- HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
- HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) OR SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER SLOPING WIRES.
- SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
- HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CLAMP CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE. SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)

### SECTION 4 - FASTENERS AND WELDING:

- SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513-10, ASTM B18.6-4-89 (R2009), PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
- EXPANSION ANCHORS SHALL BE: HLT/HB 12-30" DA W/ 2" EMBEDMENT
- POWER-ACTUATED FASTENERS SHALL BE: HLT/HX/J, 10" DA W/ 1" PENETRATION IN CONCRETE OR 14" DIA THROUGH STEEL, SPACED AT 1' OC MIN.
- IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.
- POWER-ACTUATED FASTENERS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
- CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST-INSTALLED ANCHOR.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

### SECTION 5 - TESTING:

- ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.
- POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER-ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1931A.7.
- POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1931A.7.

### SECTION 6 - LIGHT FIXTURES:

- ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE. PER ASTM E580, SECTION 5.3.1.
- SURFACE MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF 1/4" GAGE. NOTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FT. OR LONGER OR EXCEED 50 LB. MINIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
- LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
- LIGHT FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 50 LB MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.

EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 50 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.

- ALL LIGHT FIXTURES WEIGHING GREATER THAN 50 LB SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANDERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANDERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

### SECTION 7 - SERVICES WITHIN THE CEILING:

- ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
- CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LB SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
- FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB BUT LESS THAN OR EQUAL TO 50 LB SHALL HAVE TWO (2) #12 GAGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
- FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 50 LB SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANDERS.

### SECTION 8 - OTHER DEVICES WITHIN THE CEILING:

- ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC. SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LBS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE.

STRUCTURAL CONDITION OF FLOOR / ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
METAL DECK	11 / A11.32	11 / A11.32
METAL DECK W/ CONCRETE FILL	3 / A11.32	7 / A11.32
STRUCTURAL STEEL	15 / A11.32	15 / A11.32
METAL STUD WALL	13 / A11.32	9 / A11.32

### COMPRESSION STRUT TABLE - SEE 8 / A11.33 FOR STRUT ATTACHMENT

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
290S125-33	5' - 0"
290S137-33	6' - 10"
362S137-33	8' - 0"
220137-43	8' - 10"
400S137-43	10' - 10"

STRUCTURAL CONDITION OF FLOOR / ROOF ABOVE COMPRESSION STRUT	APPLICABLE DETAIL
METAL DECK	1 / A11.33
METAL DECK W/ CONCRETE FILL	5 / A11.33
STRUCTURAL STEEL	6 / A11.33

### COMPRESSION STRUT SPACING

ALL AREAS	BRACE ASSEMBLY SPACING (FT)
	12 O.C. EACH WAY

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INTERIOR DETAILS - CEILING -  
SUSPENDED ACP

A11.30

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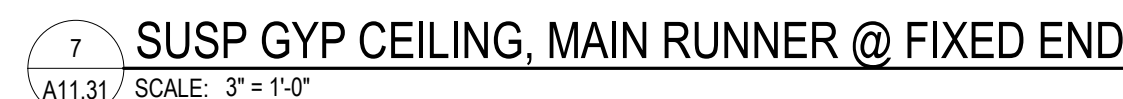
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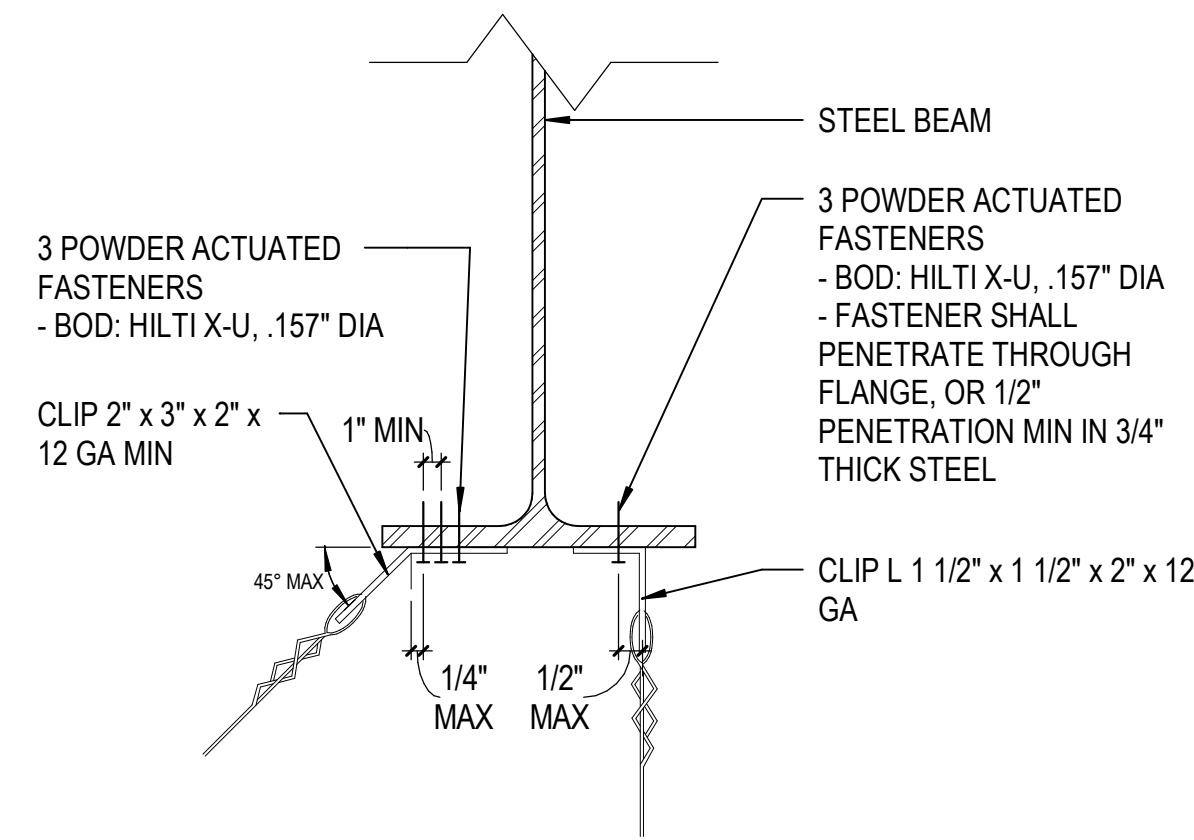
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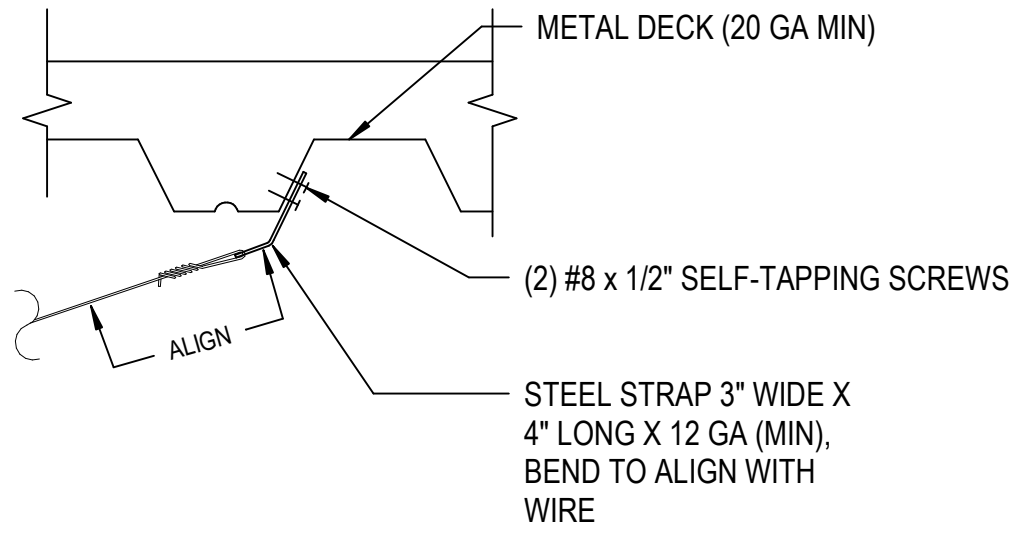
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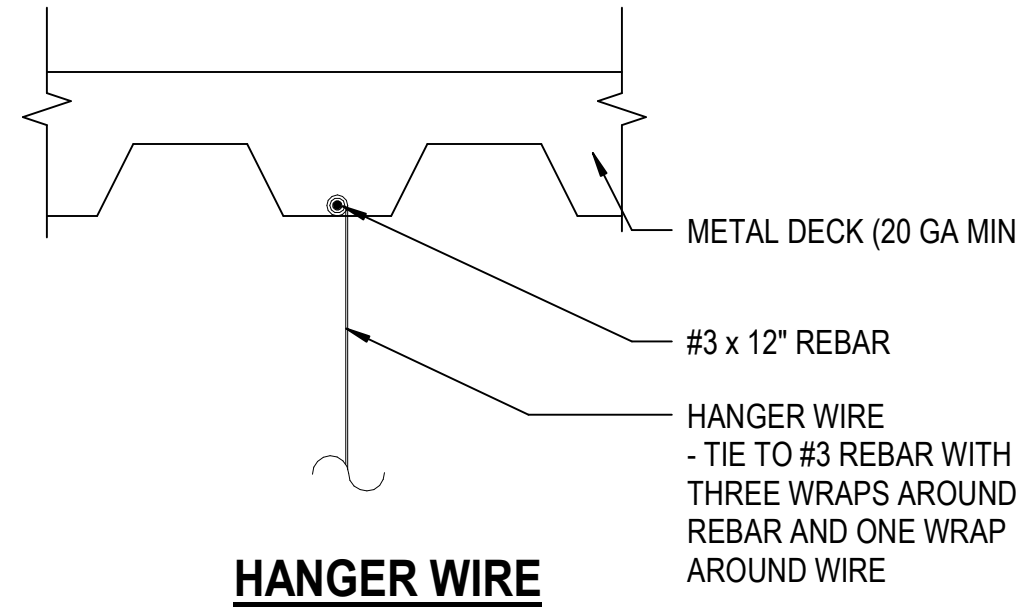
BRACING WIRE

HANGER WIRE

NOTE: IF SELF-TAPPING SCREWS ARE USED WITH CONCRETE FILL, SET SCREWS BEFORE PLACING CONCRETE



BRACING WIRE



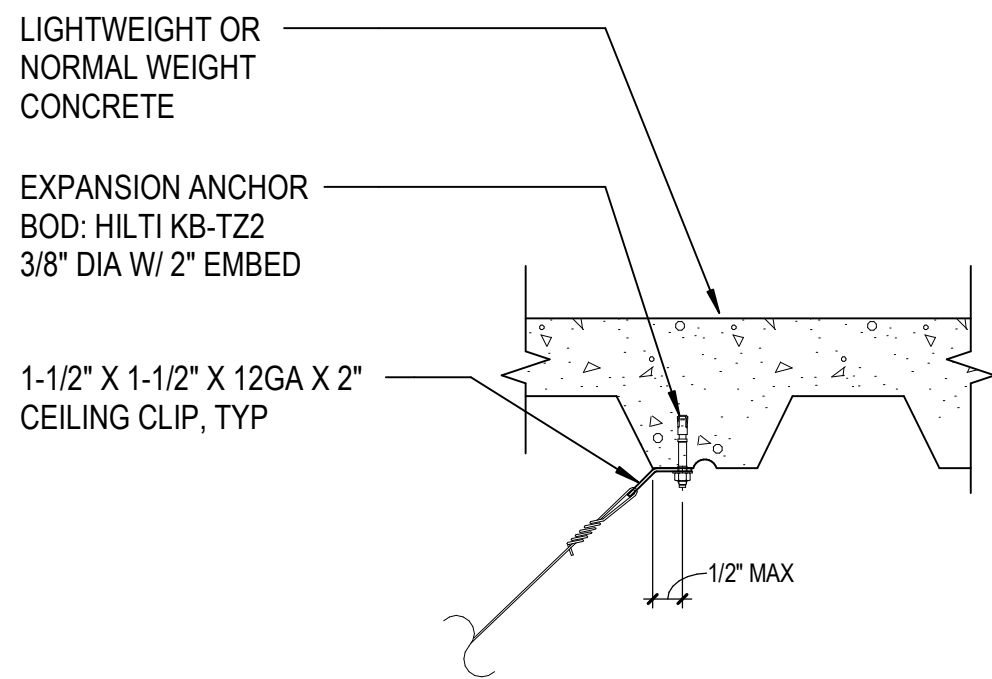
HANGER WIRE

- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS
  2. BEAM FLANGES THICKNESS SHALL NOT BE LESS THAN 3/16"
  3. STRUCTURAL ENGINEER, IOR AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-10

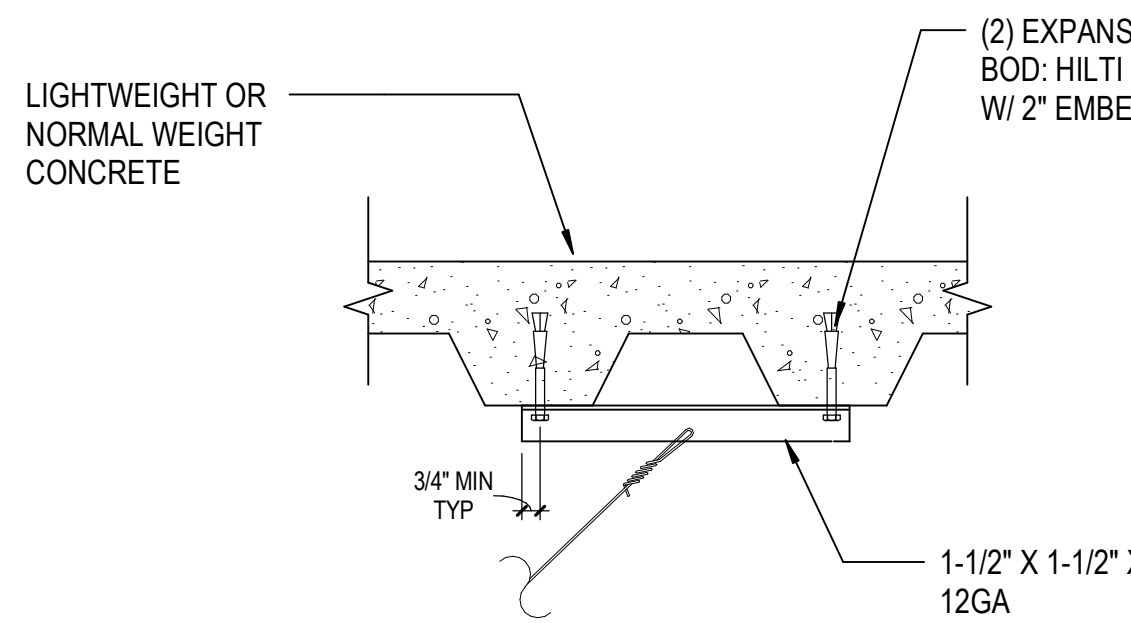
- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS

15 HANGER AND BRACING WIRE CONNECTION TO STR STEEL  
A11.32 / SCALE: 3" = 1'-0"

11 HANGER AND BRACING WIRE CONNECTION TO METAL DECK  
A11.32 / SCALE: 1 1/2" = 1'-0"



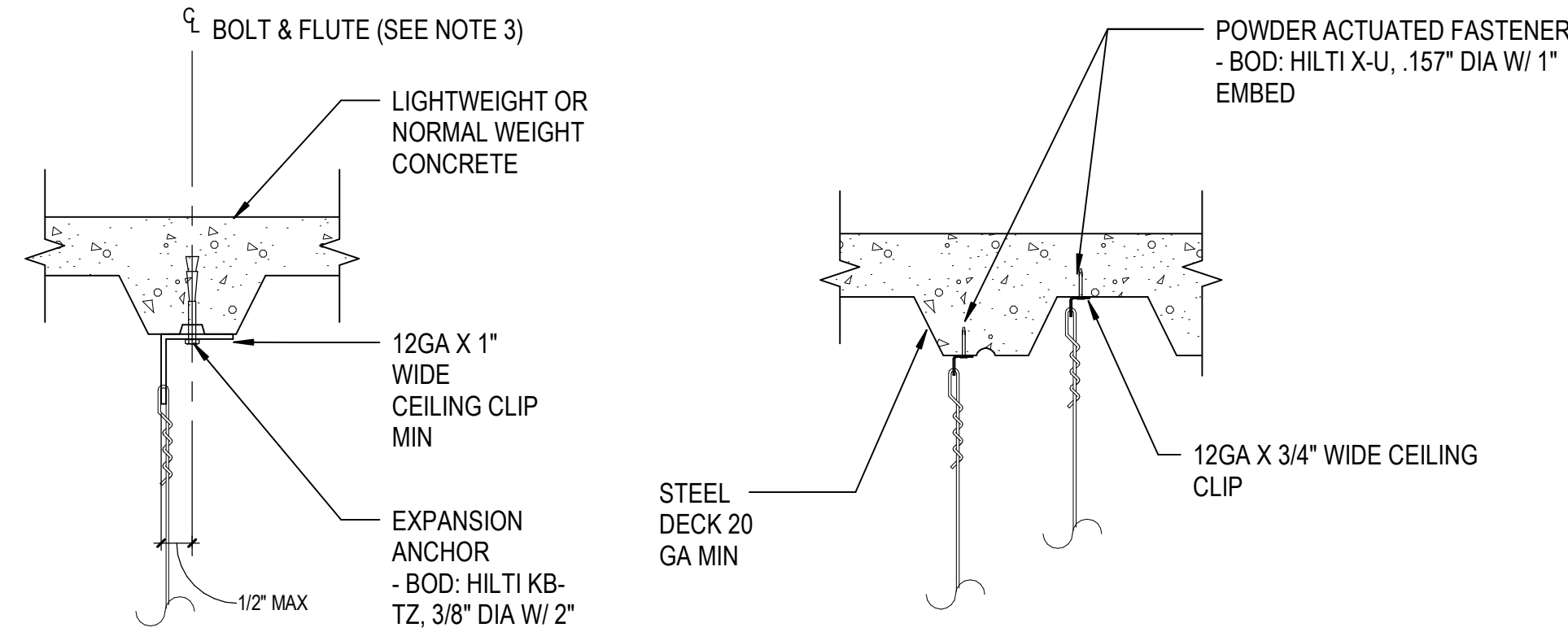
OPTION 1



OPTION 2

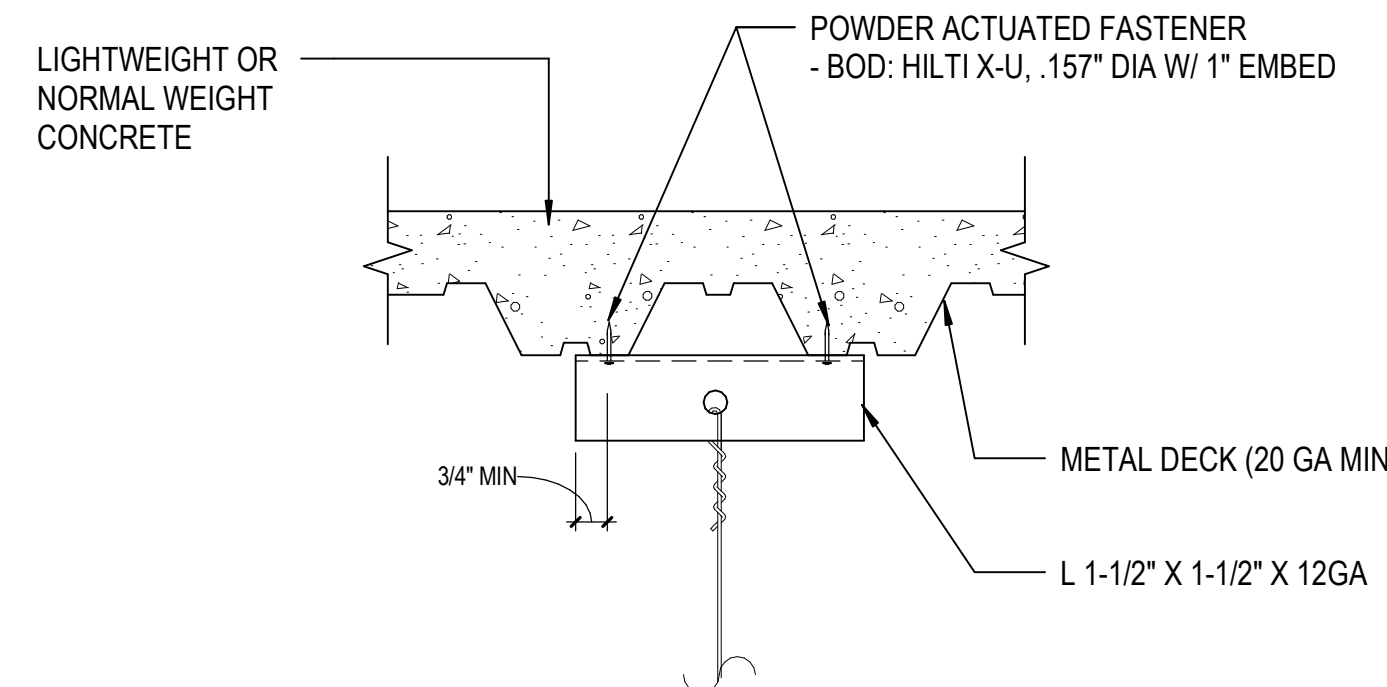
- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS
  2. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.
  3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH DSA IR 25.13 / CEILING NOTE 5.01.

7 BRACING WIRE CONNECTION TO CONCRETE O/ METAL DECK  
A11.32 / SCALE: 1 1/2" = 1'-0"



OPTION 1

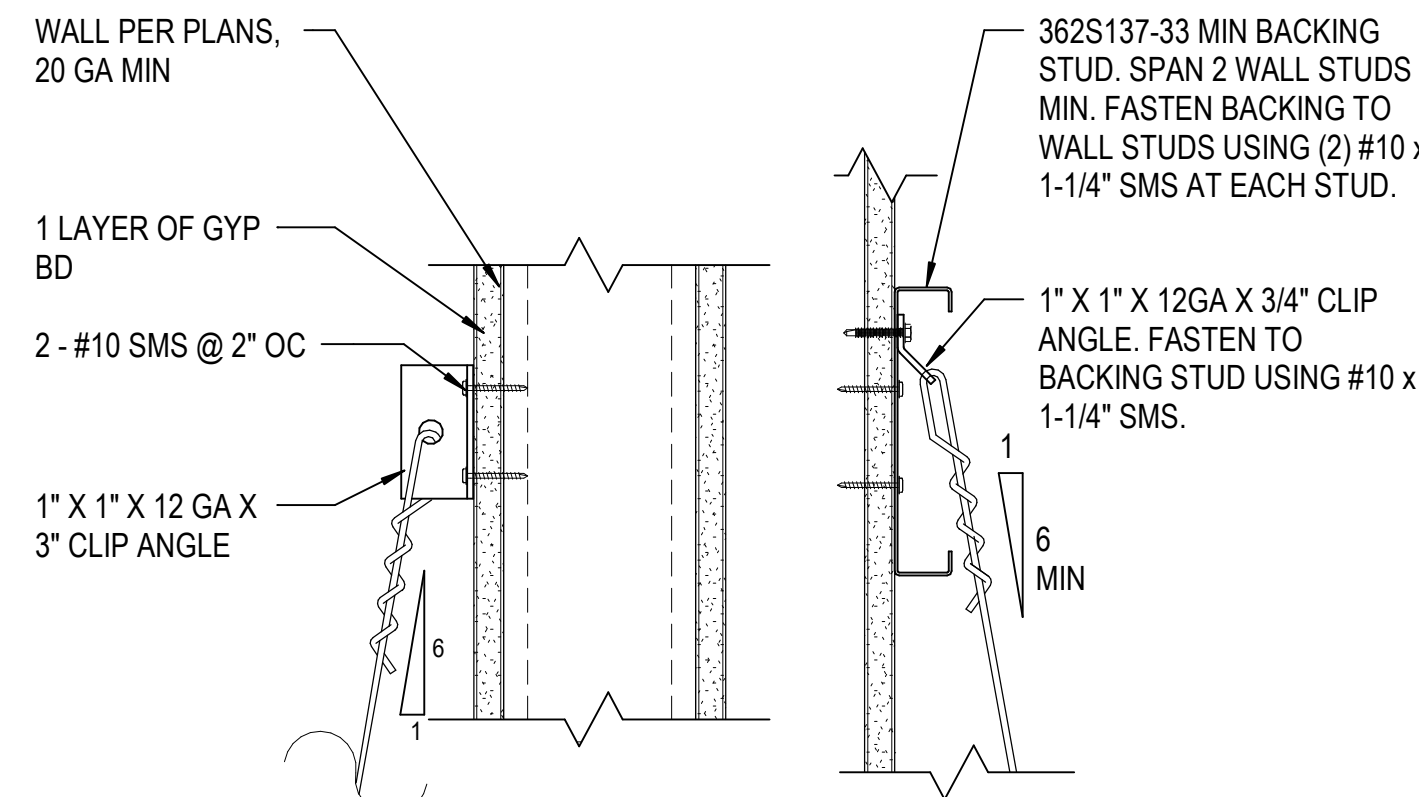
OPTION 2



OPTION 3

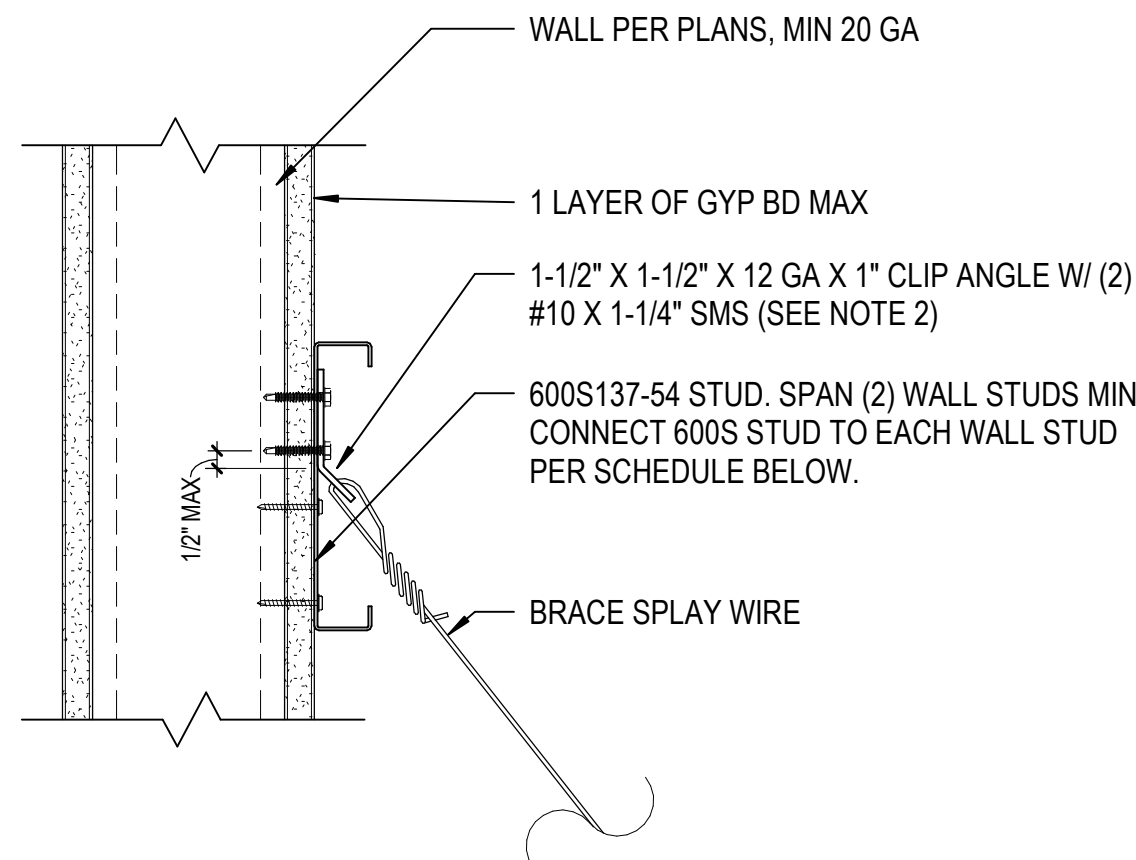
- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS
  2. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.
  3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH DSA IR 25.13 / CEILING NOTE 5.01.

3 HANGING WIRE CONNECTION TO CONCRETE O/ METAL DECK  
A11.32 / SCALE: 1 1/2" = 1'-0"



OPTION 1

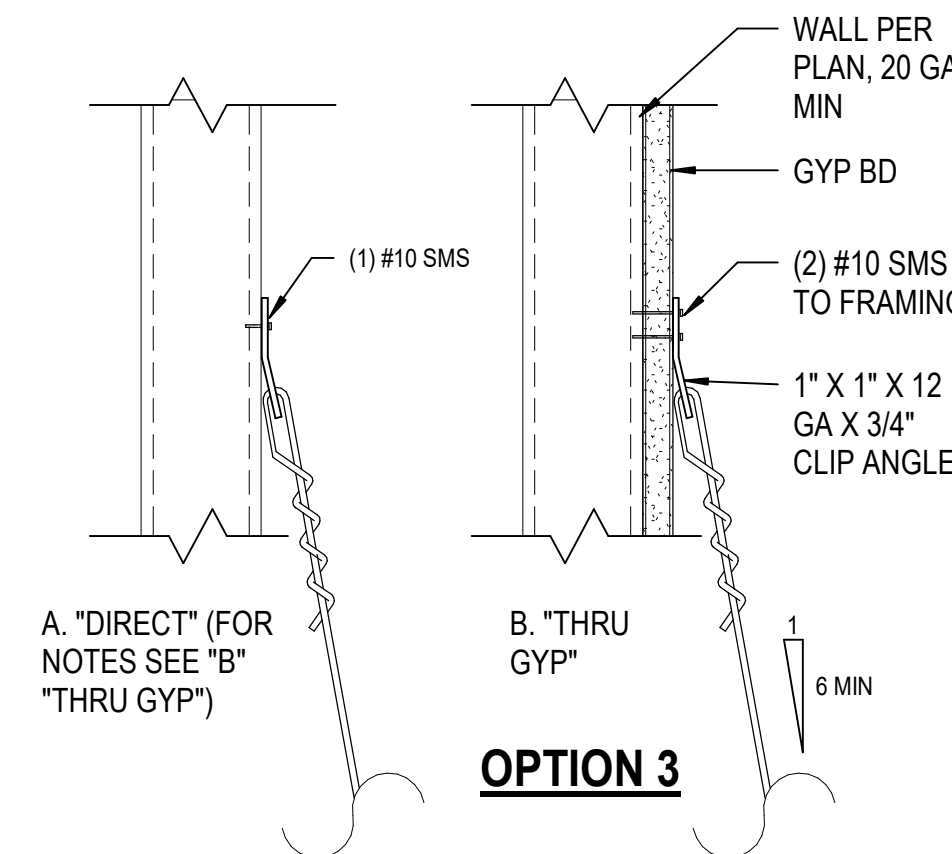
OPTION 2



WALL STUD GAUGE	CONNECTION TO WALL STUD (WITH GYP. BD.)	CONNECTION TO WALL STUD (WITHOUT GYP. BD.)
20 GAUGE	(5) # 10 X 1 1/4" SMS	(3) # 10 X 1 1/4" SMS
18 GAUGE	(4) # 10 X 1 1/4" SMS	(2) # 10 X 1 1/4" SMS

- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS
  2. THE CLIP ANGLE CAN BE ATTACHED DIRECTLY TO THE WALL STUD FLANGE PROVIDED BOTH OF THE FOLLOWING CONDITION ARE MET:
    - THE WALL STUD IS 18 GA MIN. AND CAPABLE OF SUPPORTING THE BRACE FORCE.
    - THE BRACE WIRE ALIGNS WITH THE WALL STUB WEB.
  3. THIS IS APPLIED ONLY WHERE ATTACHMENT TO STRUCTURE ABOVE CANNOT OCCUR.

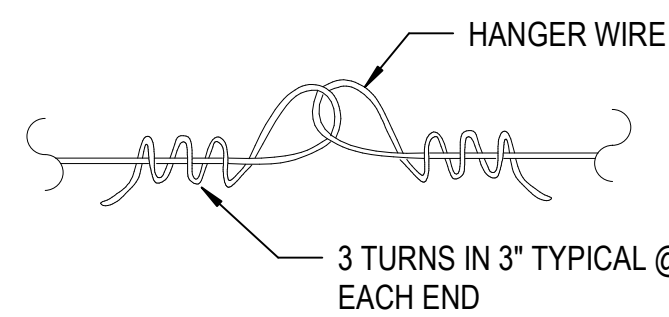
9 BRACING WIRE CONNECTION TO METAL STUD WALL  
A11.32 / SCALE: 3" = 1'-0"



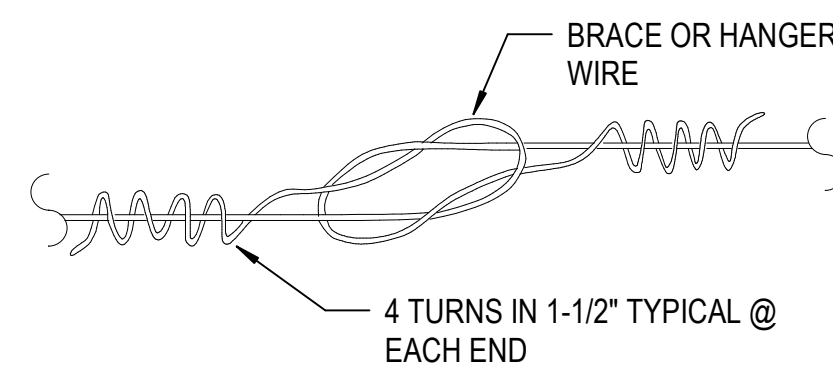
OPTION 3

- NOTES:
1. SEE HANGER AND BRACING WIRE CONNECTION DETAILS FOR ADDITIONAL DETAILS AND REQUIREMENTS
  2. THIS IS APPLIED FOR PERIMETER WIRE ATTACHMENT OR WHERE OBSTRUCTION PREVENTS ATTACHMENT TO STRUCTURE ABOVE

13 HANGING WIRE CONNECTION TO METAL STUD WALL  
A11.32 / SCALE: 3" = 1'-0"



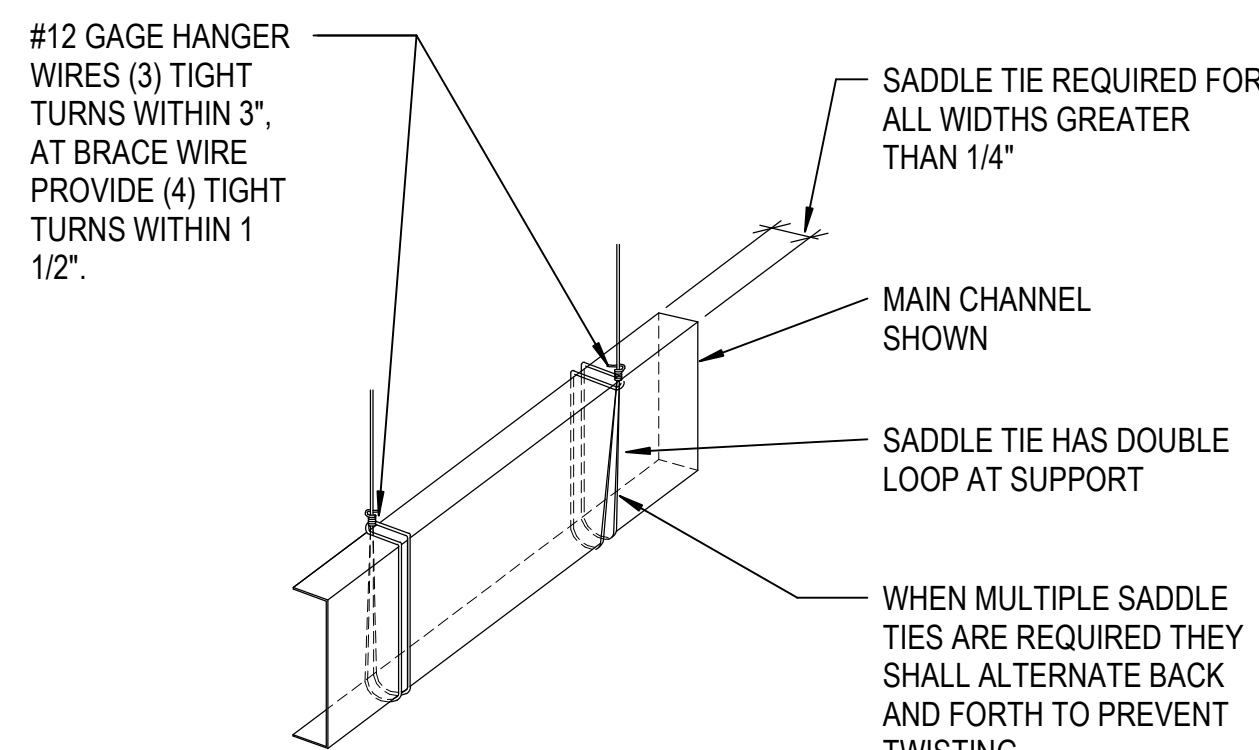
HANGER WIRE ONLY



HANGER OR BRACE WIRE

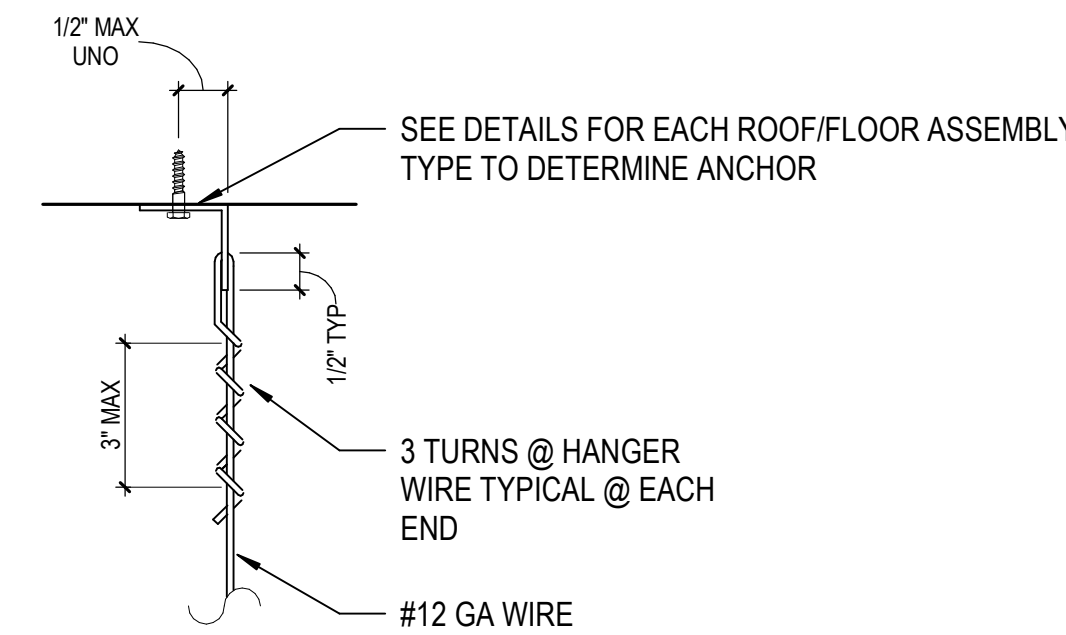
- NOTES:
- WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.

6 CEILING WIRE SPLICES  
A11.32 / SCALE: 3" = 1'-0"

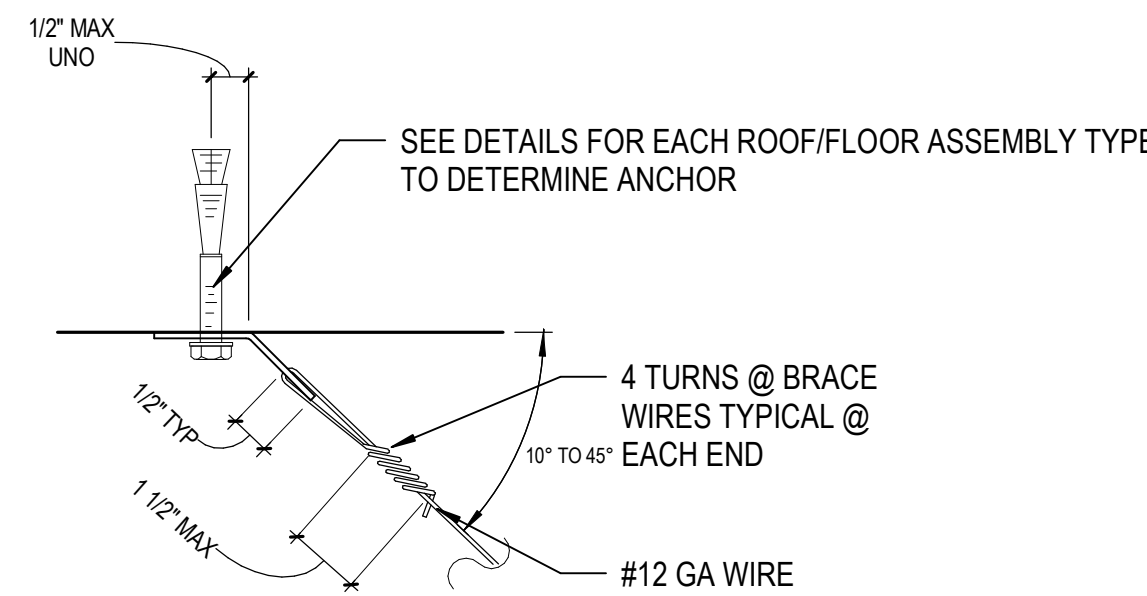


HANGER WIRE CONDITION SHOWN. BRACE WIRE CONDITION SIMILAR

5 TYPICAL SADDLE TIE DETAIL  
A11.32 / SCALE: NTS



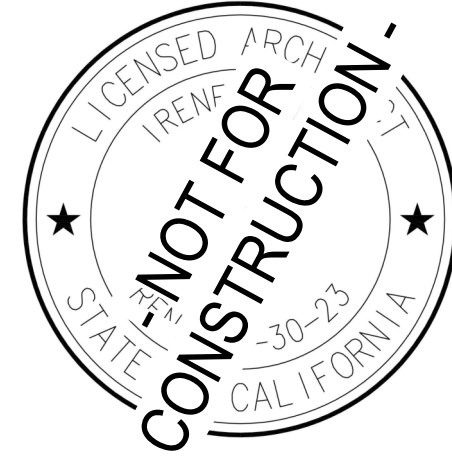
HANGER WIRE



BRACING WIRE

2 HANGER AND BRACING WIRE CONNECTION  
A11.32 / SCALE: 3" = 1'-0"

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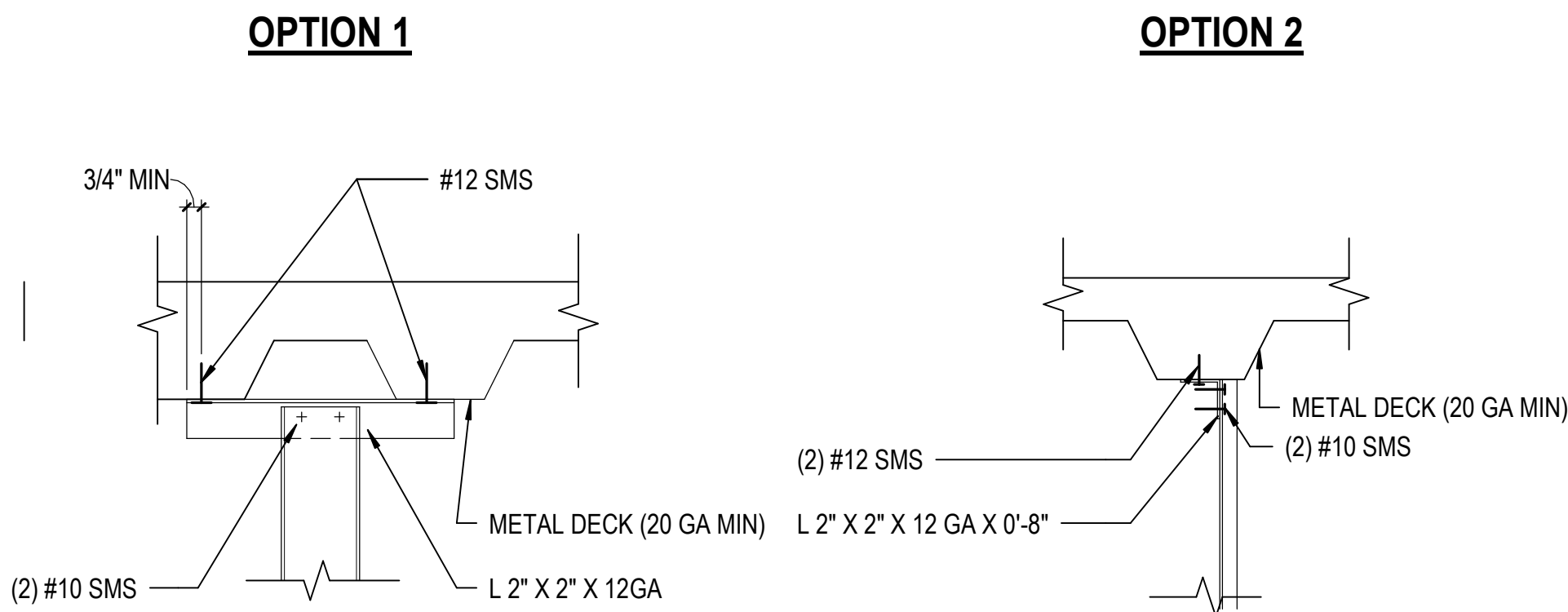
DLR GROUP PROJECT NUMBER:  
75-21809-00

INTERIOR DETAILS - CEILING - HANGER AND BRACING WIRES

A11.32

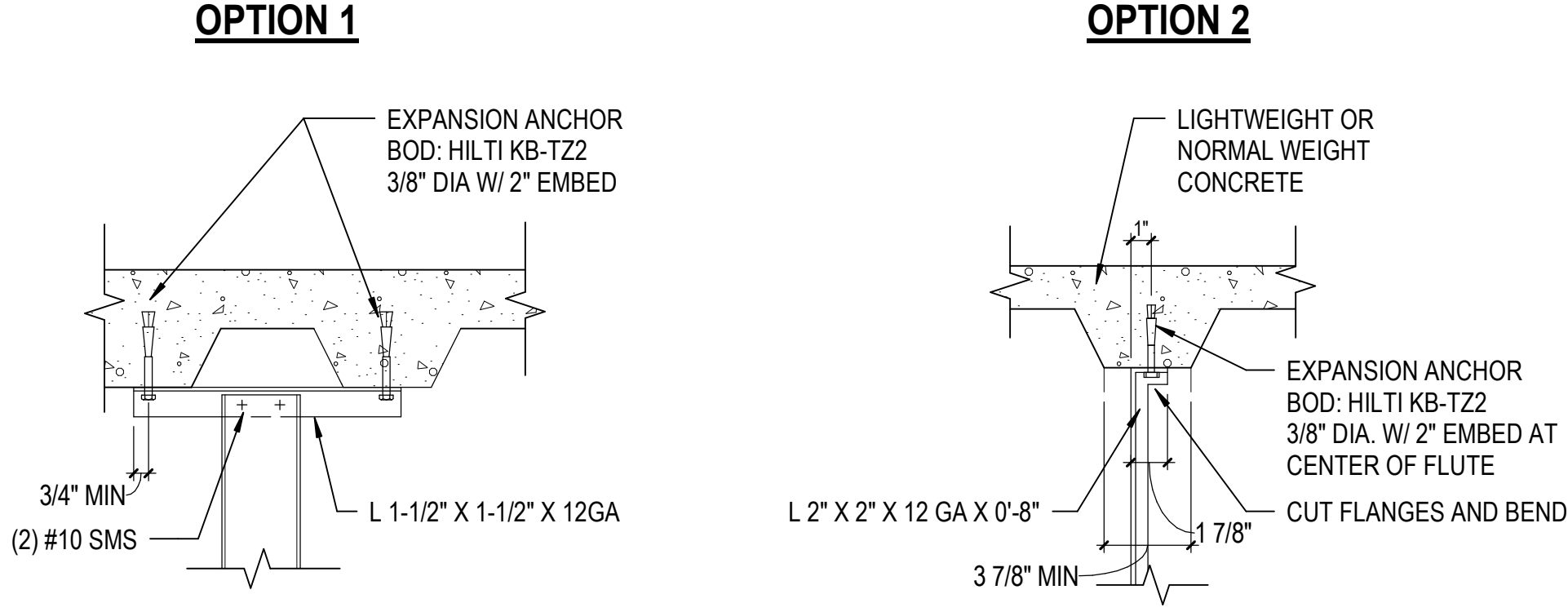
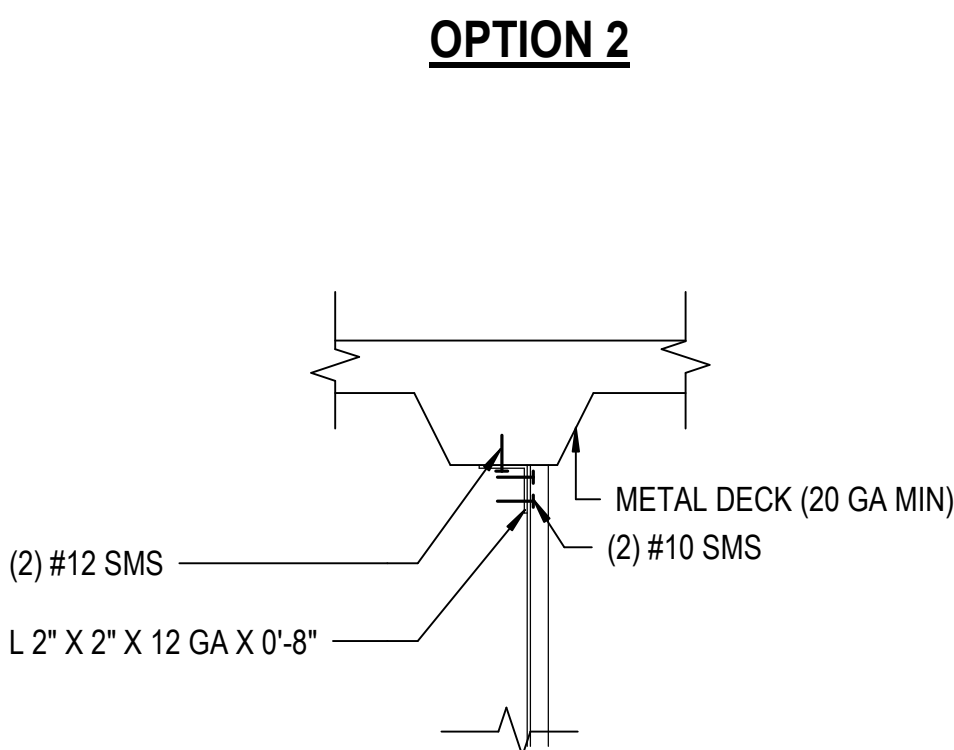


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**CHANNEL STRUT**

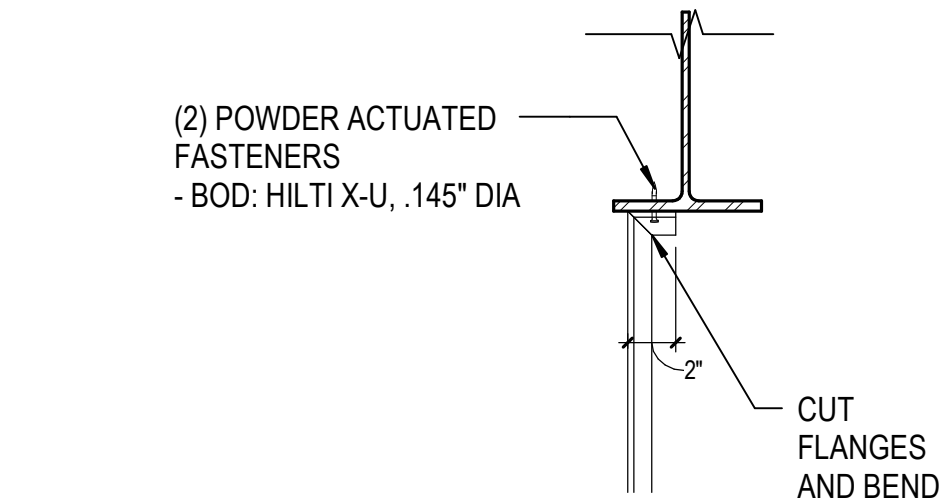
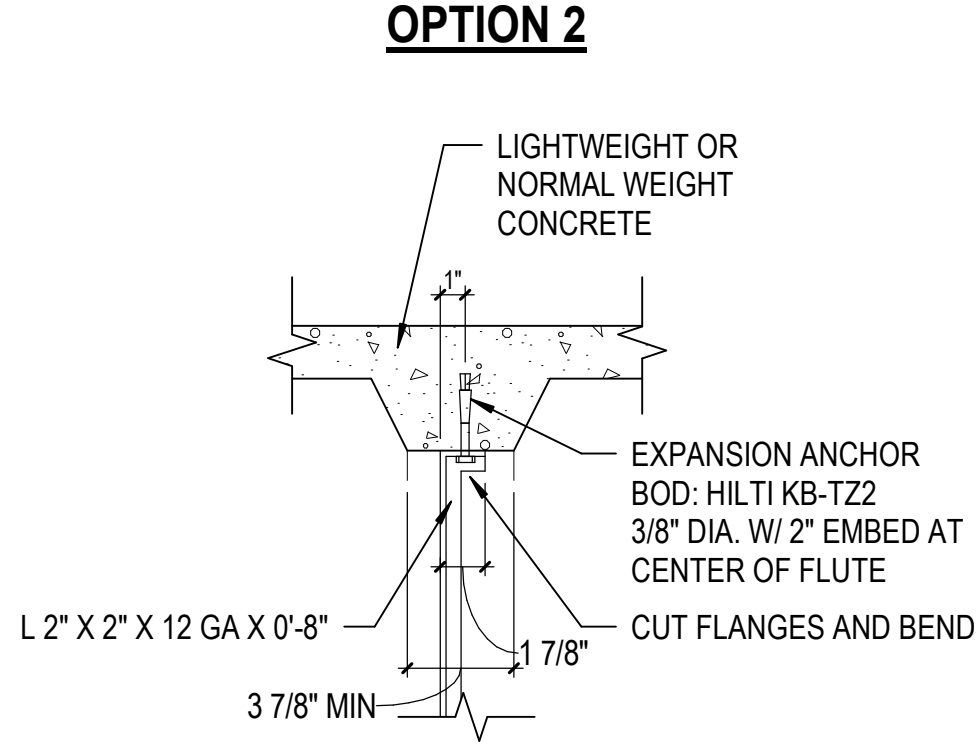
1 STRUT CONNECTION TO METAL DECK  
A11.33 / SCALE: 1 1/2" = 1'-0"



**CHANNEL STRUT**

- NOTES:
1. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.
  2. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01.

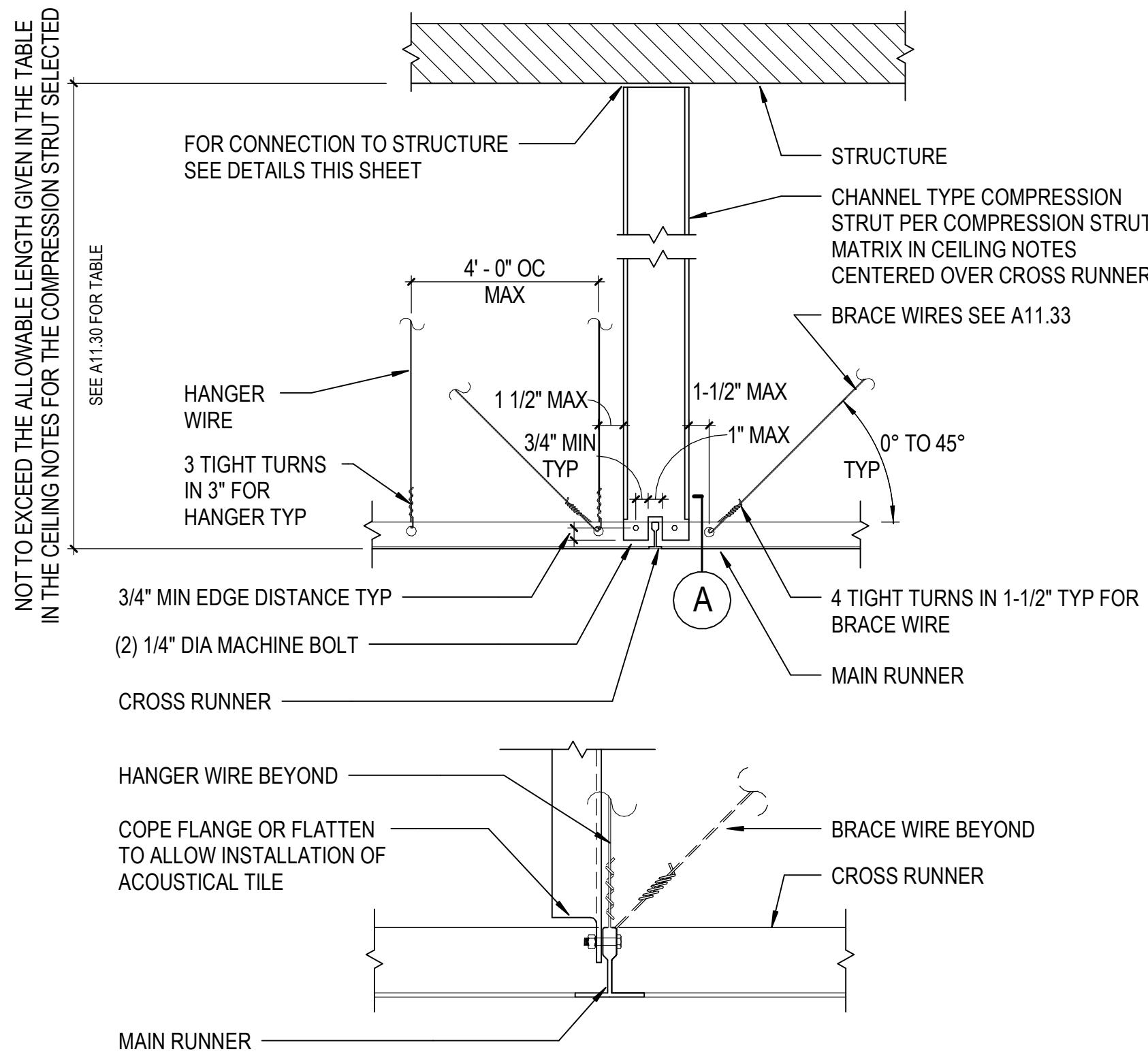
5 STRUT CONNECTION TO CONCRETE OVER METAL DECK  
A11.33 / SCALE: 1 1/2" = 1'-0"



**CHANNEL STRUT**

- NOTES:
1. STRUCTURAL STEEL MEMBER SHALL NOT BE LESS THAN 3/16".
  2. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSIAISC 341-10.

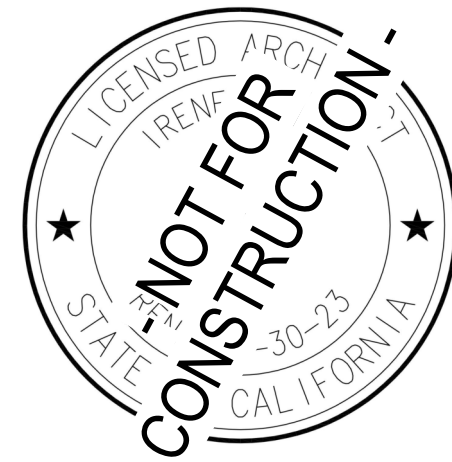
6 STRUT CONNECTION TO STRUCTURAL STEEL  
A11.33 / SCALE: 1 1/2" = 1'-0"



**(A) SECTION**

8 CHANNEL TYPE STRUT  
A11.33 / SCALE: 1 1/2" = 1'-0"

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INTERIOR DETAILS - CEILING -  
COMPRESSION STRUTS

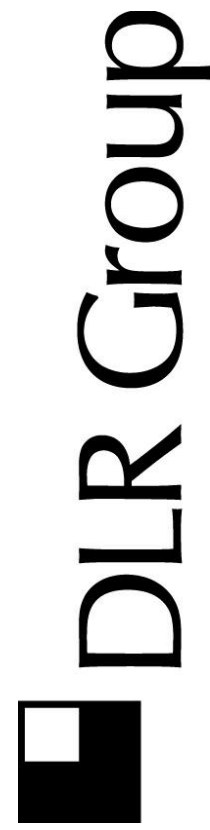
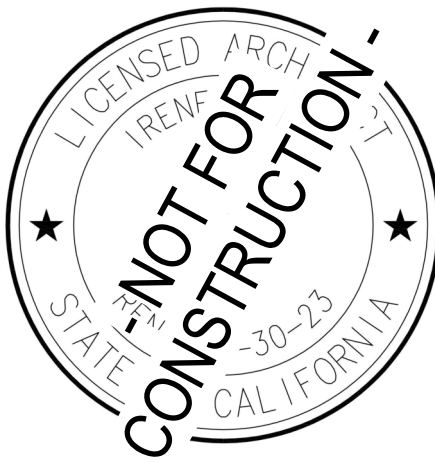
**A11.33**



FINISH SCHEDULE						
MATERIAL NUMBER	DESCRIPTION	PROVIDED BY	MANUFACTURER	PRODUCT	COLOR/FINISH	NOTES
064119 SOLID PHENOLIC ARCHITECTURAL CABINETS						
HPL-01	HIGH PRESSURE LAMINATE	CFCI	TRESPA	TOPLAB	PURE WHITE	
066400 CUSTOM CASEWORK						
PL-01	PLASTIC LAMINATE	CFCI	FORMICA	INFINITI COLORCORE2	909C-AN BLACK	CABINETS, OVER MDF SUBSTRATE
PL-02	PLASTIC LAMINATE	CFCI	FORMICA	INFINITI COLORCORE2	909C-AN BLACK	CABINETS, OVER PLYWOOD SUBSTRATE
093000 TILING						
TLF-01	TILE - FLOOR	CFCI	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	PATCH AND REPAIR
TLW-01	TILE - WALL	CFCI	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH ADJACENT WALL PATTERN, PATCH AND REPAIR
096513 RESILIENT BASE AND ACCESSORIES						
RB-01	RESILIENT BASE AND ACCESSORIES	CFCI	ROPPE	PINNACLE RUBBER BASE	197 ICEBERG	TOE
RB-01N	RESILIENT BASE AND ACCESSORIES	CFCI	ROPPE	PINNACLE RUBBER BASE	197 ICEBERG	NO TOE
RB-02	RESILIENT BASE AND ACCESSORIES	CFCI	ROPPE	PINNACLE RUBBER BASE	637 NIGHT MIST	TOE
RB-03	RESILIENT BASE AND ACCESSORIES	CFCI	ROPPE	PINNACLE RUBBER BASE	MATCH EXISTING	TOE
RB-03N	RESILIENT BASE AND ACCESSORIES	CFCI	ROPPE	PINNACLE RUBBER BASE	MATCH EXISTING	NO TOE
096543 LINOLEUM FLOORING						
RF-01	LINOLEUM FLOORING	CFCI	TARKETT	VENETO	906 GRIZZLED	
096800 CARPET						
CPT-01	CARPET TILE	CFCI	INTERFACE	CUBIC	004291 SQUARE	GLASBAC STANDARD BACKING
CPT-02	CARPET TILE	CFCI	INTERFACE	STEP REPEAT	004291 SQUARE	GLASBAC STANDARD BACKING
099000 PAINTING						
P-02.1	PAINT	CFCI	SHERWIN WILLIAMS	LOW VOC, PREMIUM PAINT	COLOR 7070 SITEWHITE; EGGSHELL FINISH	
P-02.3	PAINT	CFCI	SHERWIN WILLIAMS	LOW VOC, PREMIUM PAINT	MATCH EXISTING	
123661 SOLID SURFACING						
SS-01	SOLID SURFACE	CFCI	ARISTECH	SOLID SURFACE	CEMENT 8425	

LEGEND AND NOTES

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03/28/2022  
Revisions

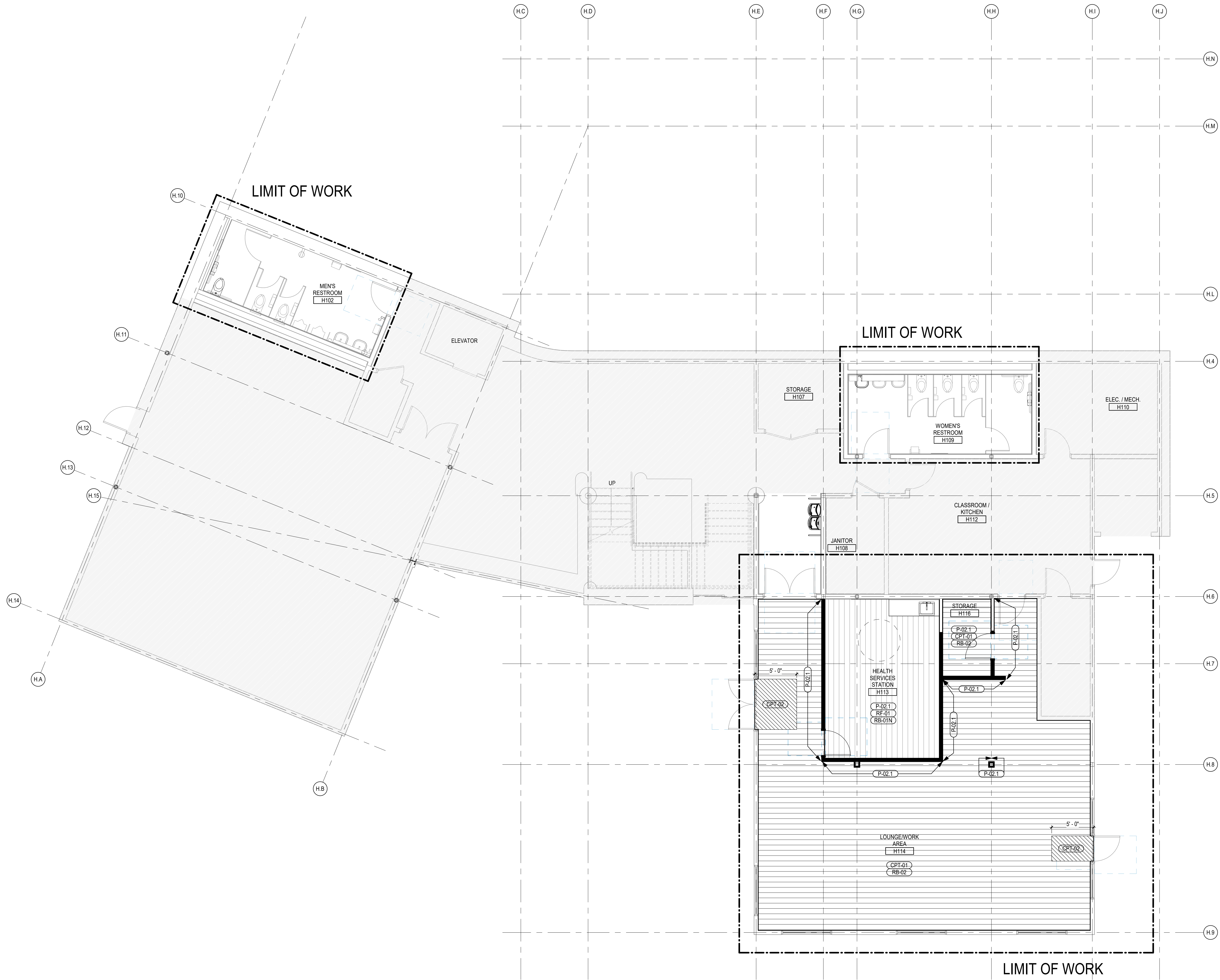
DLR GROUP PROJECT NUMBER:  
75-21809-00

FINISH SCHEDULES

A12.00



BM 360/775-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Print Shop\_AR\_2020.rvt  
3/28/22 11:53:57 PM



1 STUDENT UNION BLDG - FINISH PLAN - LEVEL 1  
A12.10 NO SCALE

## LEGEND AND NOTES

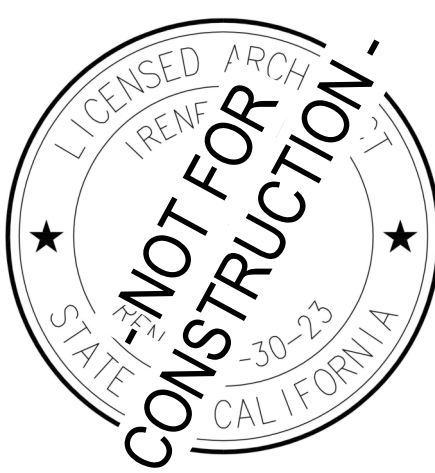
### INTERIOR FINISH PLAN GENERAL NOTES

- A. ROOM FINISH SCHEDULE GENERAL NOTES APPLY TO ALL ROOM FINISH SCHEDULE SHEETS.  
B. INTERIOR FINISH PLAN GENERAL NOTES APPLY TO ALL INTERIOR FINISH PLAN SHEETS.  
C. NOT ALL FLOOR AND WALL FINISHES ARE NOTED ON THE INTERIOR FINISH PLANS. SEE ROOM FINISH SCHEDULE FOR FLOOR AND WALL FINISHES NOT NOTED.  
D. FLOOR PATTERN DIMENSIONS AND LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENTS MAY BE MADE FOR LAYOUT AND TO MINIMIZE WASTE AS LONG AS THE DESIGN INTENT IS MAINTAINED.  
E. FOR FLOOR TILE PRODUCTS, ADJUST LAYOUT AS NECESSARY TO AVOID USING CUT WIDTHS THAT EQUAL LESS THEN ONE-HALF OF A TILE AT ROOM PERIMETER.  
F. FINISHES INDICATED WITH (XX-#) SYMBOL ARE SCHEDULED ON SHEET A12.00.

### FINISH LEGEND

- CARPET  
CARPET 2 - WALKOFF MATS  
LINOLEUM

DSA APPROVAL STAMP



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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

**DVC - Print Shop, Student  
Success, & Health Services  
Renovation**  
CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

### BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

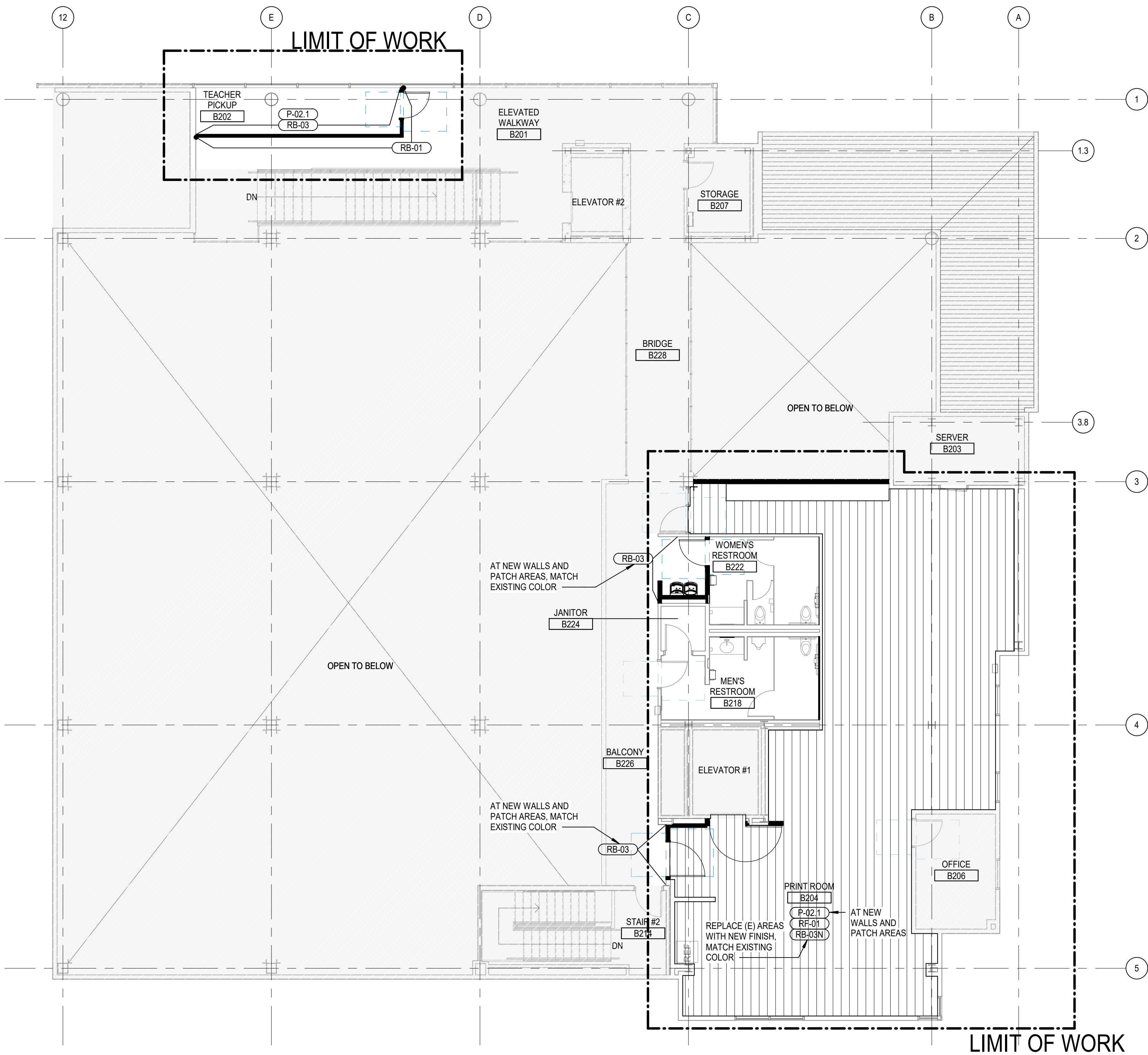
HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 FINISH PLAN

**A12.10**



BM 360/775-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Print Shop\_AR\_2020.rvt  
3/28/22 11:53:58 PM

1 BOOKSTORE - FINISH PLAN - LEVEL 2  
A12.31 / SCALE: 1/8" = 1'-0"



## LEGEND AND NOTES

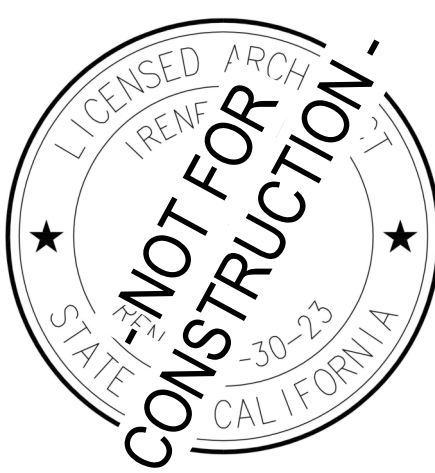
### INTERIOR FINISH PLAN GENERAL NOTES

- A. ROOM FINISH SCHEDULE GENERAL NOTES APPLY TO ALL ROOM FINISH SCHEDULE SHEETS.  
B. INTERIOR FINISH PLAN GENERAL NOTES APPLY TO ALL INTERIOR FINISH PLAN SHEETS.  
C. NOT ALL FLOOR AND WALL FINISHES ARE NOTED ON THE INTERIOR FINISH PLANS. SEE ROOM FINISH SCHEDULE FOR FLOOR AND WALL FINISHES NOT NOTED.  
D. FLOOR PATTERN DIMENSIONS AND LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENTS MAY BE MADE FOR LAYOUT AND TO MINIMIZE WASTE AS LONG AS THE DESIGN INTENT IS MAINTAINED.  
E. FOR FLOOR TILE PRODUCTS, ADJUST LAYOUT AS NECESSARY TO AVOID USING CUT WIDTHS THAT EQUAL LESS THEN ONE-HALF OF A TILE AT ROOM PERIMETER.  
F. FINISHES INDICATED WITH (XX-#) SYMBOL ARE SCHEDULED ON SHEET A12.00.

### FINISH LEGEND

- CARPET  
CARPET 2 - WALKOFF MATS  
LINOLEUM

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BID SET

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Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

PRINT SHOP - BOOKSTORE -  
LEVEL 2 FINISH PLAN

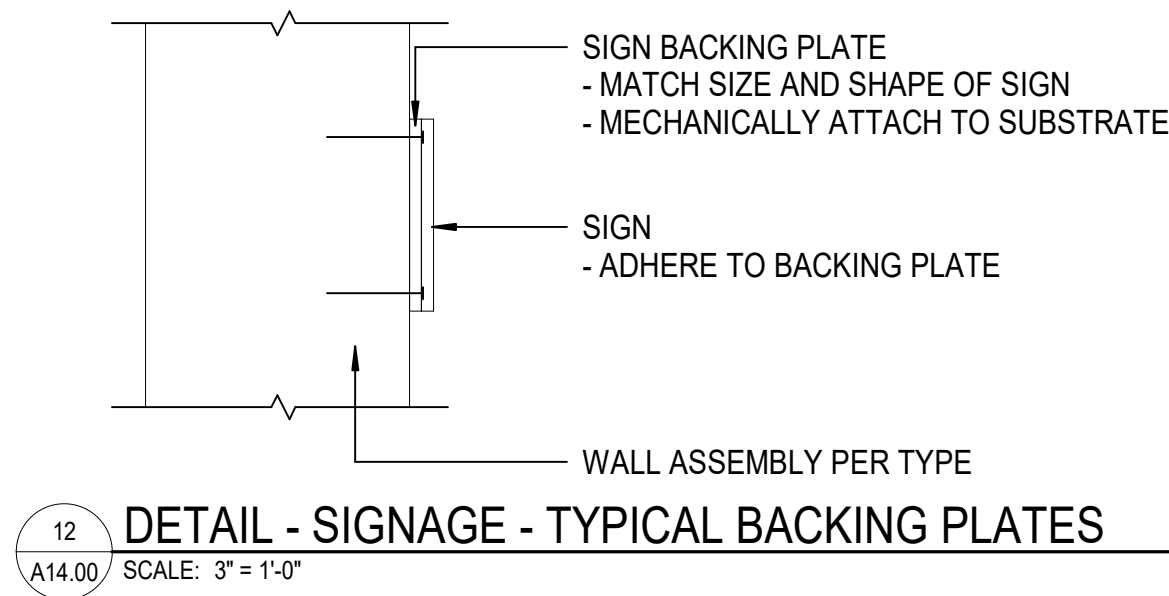
A12.31



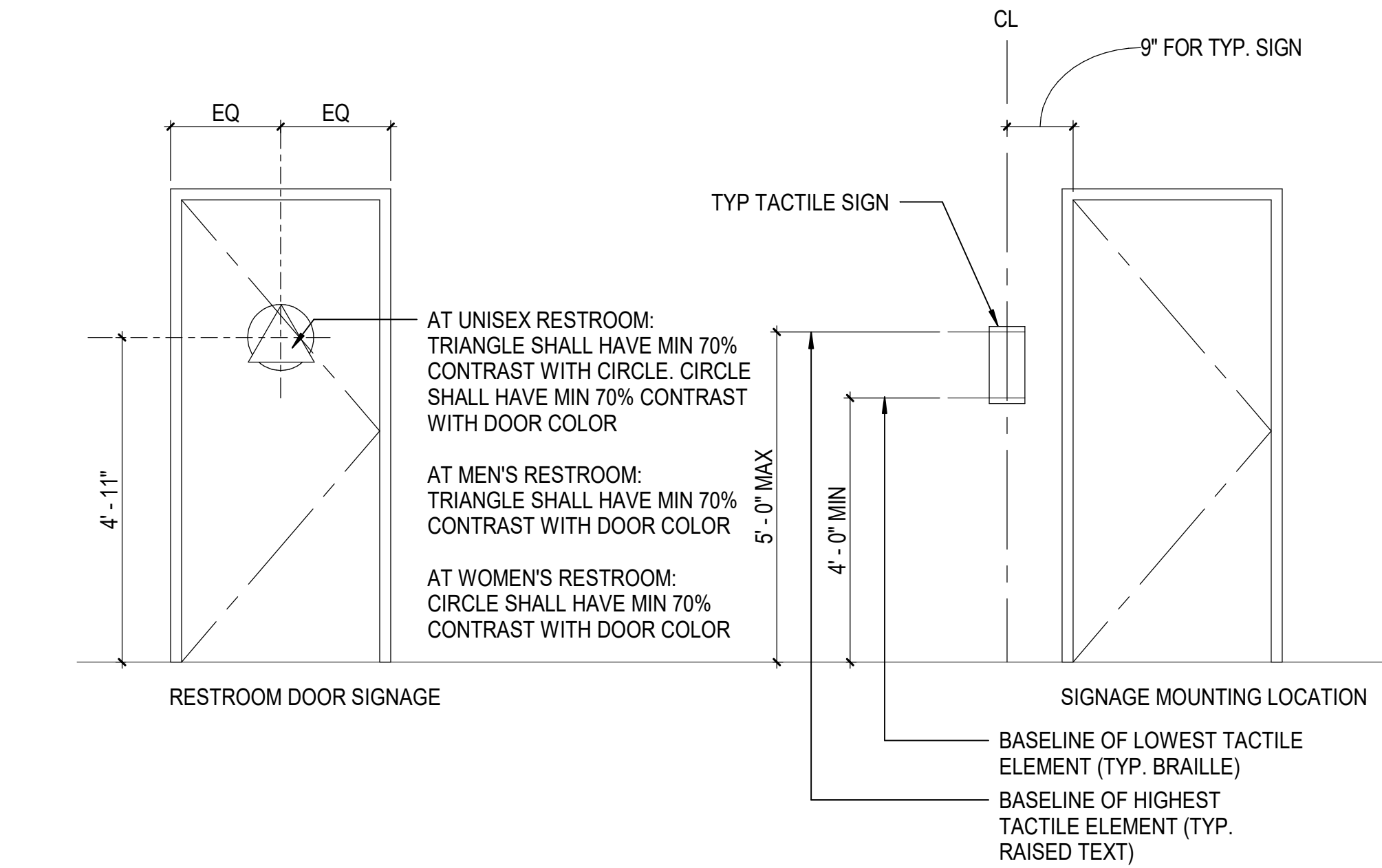
## SIGNAGE - GENERAL NOTES

- SEE PLANS FOR LOCATIONS OF SIGNAGE, INDICATED BY SIGN TYPE NUMBER. SEE CP SHEETS FOR TYPICAL MOUNTING HEIGHTS AND PROXIMITY TO DOORS AND OTHER ELEMENTS.
- EACH SIGN SHALL BE FABRICATED FROM A PLATE OF 1/8" THICK PHOTO SENSITIZED ACRYLIC ETCHED TO FORM A SINGLE PLAQUE. SIGNS WILL BE TWO-COLOR DESIGN WITH LIGHT BACKGROUND & DARK CHARACTERS TO MATCH CAMPUS SIGNAGE COLORS. (SUBMIT COLORS WITH LRV DATA TO ARCHITECT FOR APPROVAL. ASSUME GRAY COLOR BACKGROUND ≥90% LRV WITH BLUE COLOR CHARACTERS ≤20% LRV FOR BIDDING PURPOSES.) SIGN CHARACTERS AND BACKGROUNDS TO BE NON-GLARE FINISH.
- EACH TYPICAL SIGN SHALL BE SUPPLIED WITH A BACKING PLATE WHICH MATCHES THE SIGN SHAPE. ATTACH TYPICAL SIGN BACKING PLATE USING AT LEAST (2) TWO FLATHEAD COUNTERSUNK SCREWS TO SOLID BACKING. ADHERE SIGN TO BACKING PLATE. SEE DETAIL 12/A14.00.
- FOR TYPICAL MOUNTING HEIGHTS SEE DETAIL 11/A14.00.
- BRAILLE: CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED.
- CHARACTER TYPE: TACTILE CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.8 mm) MINIMUM. ALL CHARACTERS SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE.
- CHARACTER SIZE: RAISED CHARACTERS SHALL BE MINIMUM OF 5/8" INCH (15.9 mm) AND MAXIMUM OF 2" (51mm) IN HEIGHT.
- PICTOGRAMS
  - PICTOGRAM FIELDS SHALL BE 6" MIN IN HEIGHT
  - BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD
  - PICTOGRAMS AND BACKGROUND SHALL HAVE NON-GLARE FINISH PER CBC 11B-703.6.2
  - PICTOGRAMS SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.6.2
  - TEXT DESCRIPTORS SHALL BE PROVIDED DIRECTLY BELOW THE PICTOGRAM PER CBC 11B-703.6.3
- RESTROOM DOOR SIGNS:
  - SHALL BE 1/4" THICK, TYP. PER 11B-703.7.2.6
  - SHALL BE MOUNTED WITH THEIR HORIZONTAL CENTERLINE BTW 58" AND 60" AFF PER CBC 11B-703.7.2.6
  - SHALL BE MOUNTED WITH THEIR VERTICAL CENTERLINE WITHIN 1" OF THE CENTER OF THE DOOR PER CBC 11B-703.7.2.6
  - SYMBOL EDGES SHALL BE EASED OR ROUNDED 1/16" MINIMUM OR CHAMFERED 1/8" MAX, VERTICES SHALL BE RADIUSUED BTW 1/8" AND 1/4"

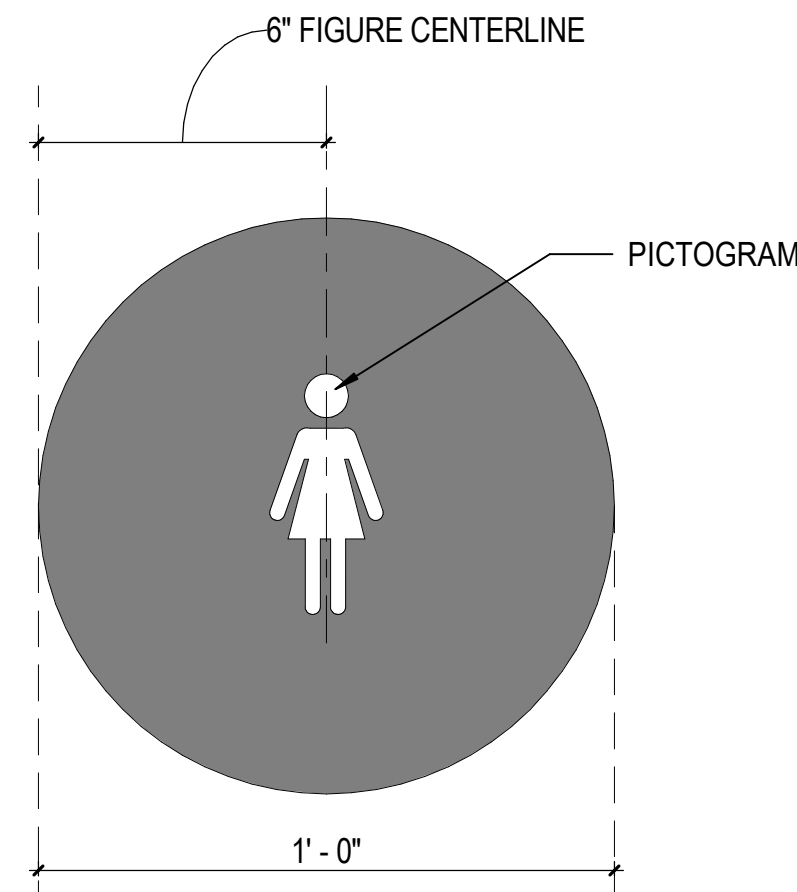
- VISUAL CHARACTERS:
  - CHARACTERS AND BACKGROUND SHALL HAVE NON-GLARE FINISH PER CBC 11B-703.5.1
  - CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1
  - CHARACTERS SHALL BE 40" MIN AFF.
- VISUAL CHARACTERS SHALL COMPLY WITH CBC TABLE 11B-703.5.5.
- FINISH AND CONTRAST (VISUAL CHARACTERS): CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT-ON-DARK OR DARK-ON-LIGHT).
- TYPE STYLE
  - PROPORTIONS: THE WIDTH OF THE UPPERCASE LETTER "O" FOR VISUAL AND TACTILE CHARACTERS ON SIGN SHALL BE 60% MINIMUM TO 110% MAXIMUM THE HEIGHT OF THE UPPERCASE LETTER "I".
  - STROKE THICKNESS: THE STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM THE HEIGHT OF THE CHARACTER.
  - CHARACTER SPACING (EXCLUDING WORD SPACES): RAISED CHARACTERS SHALL BE SPACED 1/8" MINIMUM TO 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. VISUAL CHARACTERS SHALL BE SPACED 10% MINIMUM TO 35% MAXIMUM OF CHARACTER HEIGHT.
- NOTE: ALL LOCATIONS OF SIGNAGE WITHIN ROOM AND/OR ON WALL SHALL BE REVIEWED BY OWNER BEFORE INSTALLATION.
- WHERE SIGNS ATTACH TO GLASS, PROVIDE AND ADHERE OPAQUE ACRYLIC SHEET MATCHING THE SIGN COLOR TO OPPOSITE SIDE OF WINDOW. SIZE TO MATCH THE SIGN TO CONCEAL ANY ADHESIVE.
- TYPOGRAPHY SHALL BE:
  - FUTURA HEAVY
  - FUTURA REGULAR
  - WEISS BOLD
  - FRUTIGER ROMAN



12  
A14.00  
SCALE: 3" = 1'-0"

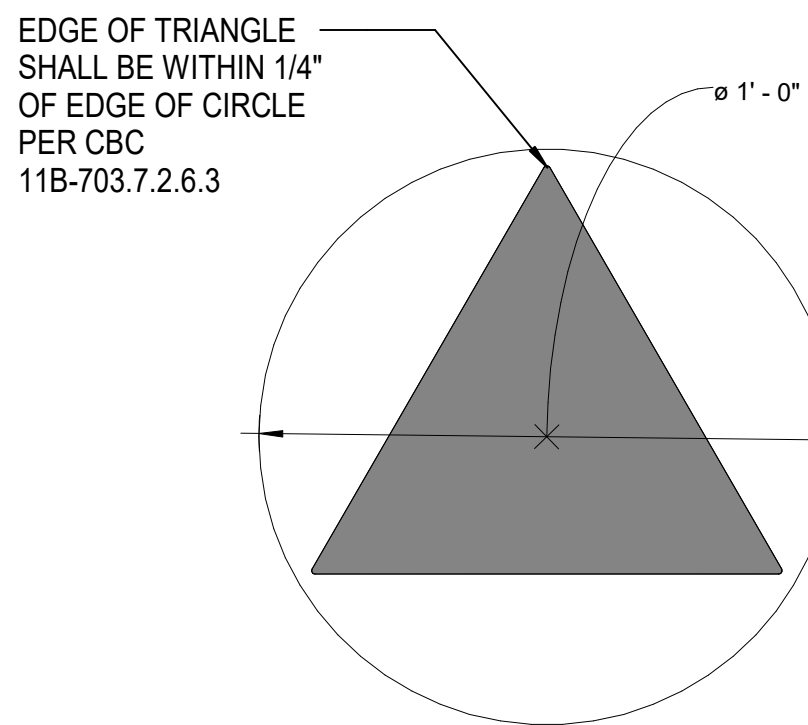


11  
A14.00  
SCALE: 1/2" = 1'-0"



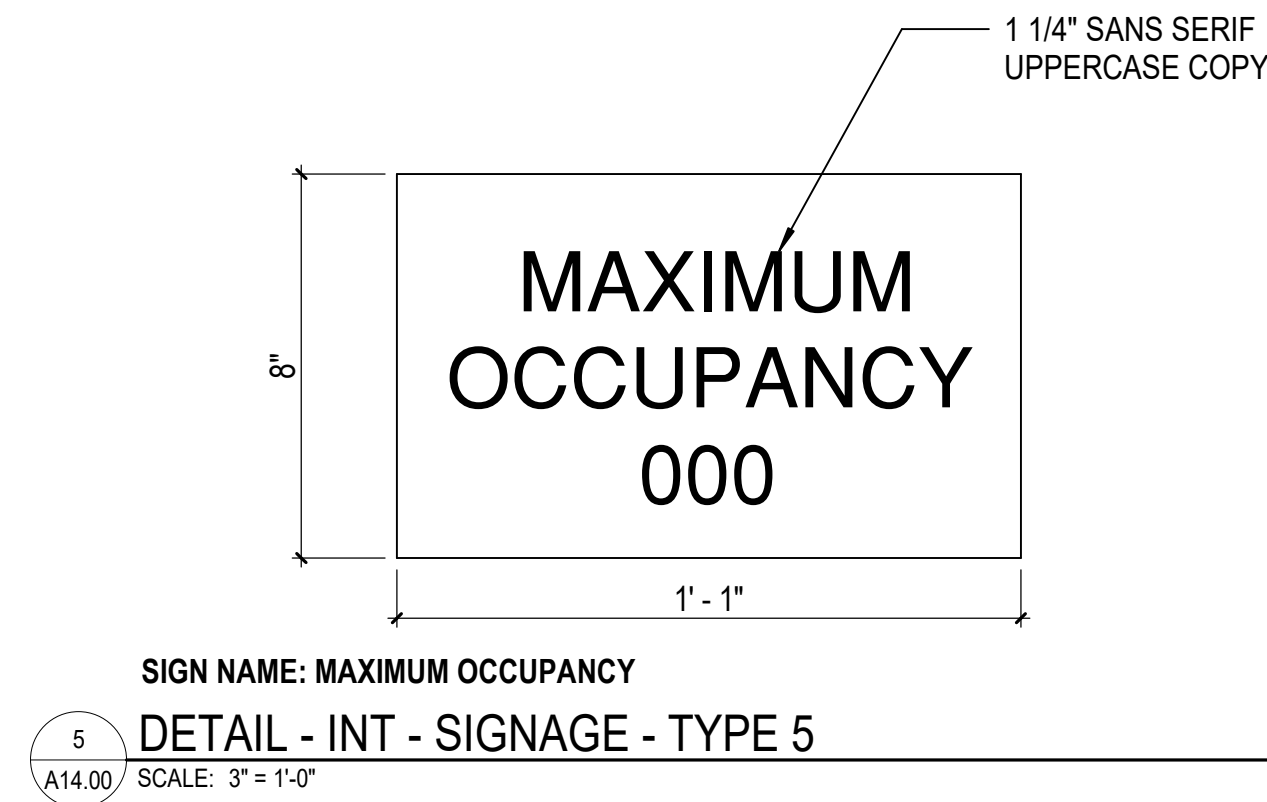
SIGN NAME: WOMEN'S RESTROOM - DOOR

9  
A14.00  
SCALE: 3" = 1'-0"



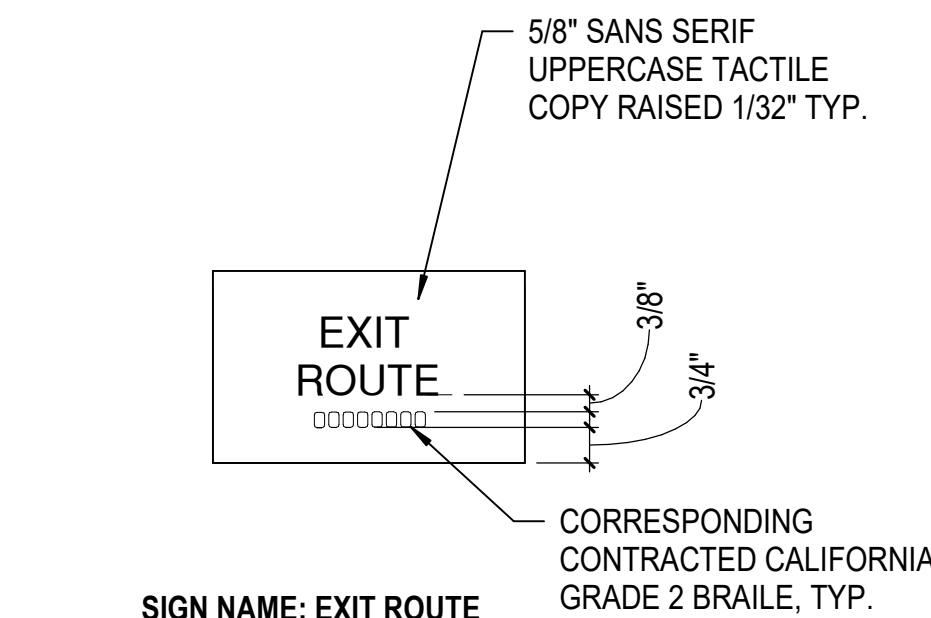
SIGN NAME: ALL GENDER RESTROOM - DOOR

6  
A14.00  
SCALE: 3" = 1'-0"



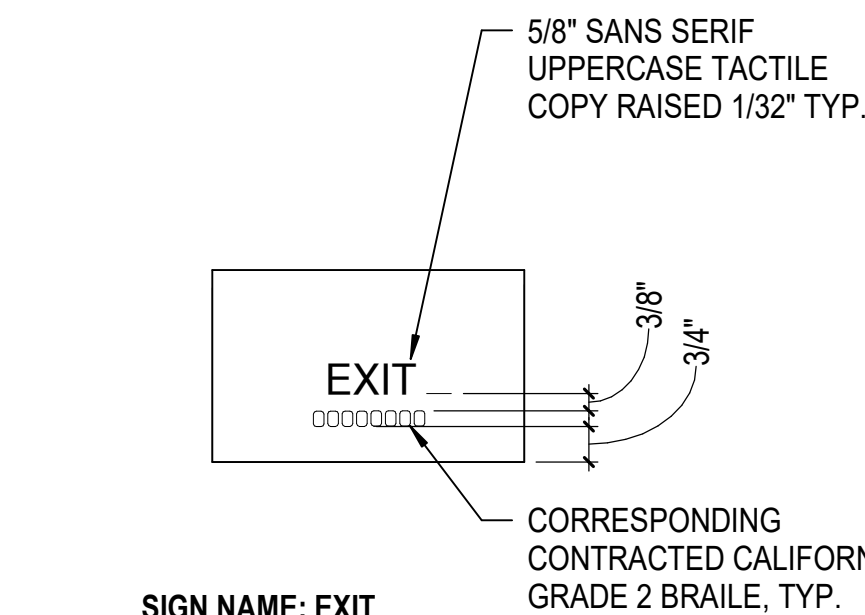
SIGN NAME: MAXIMUM OCCUPANCY

5  
A14.00  
SCALE: 3" = 1'-0"



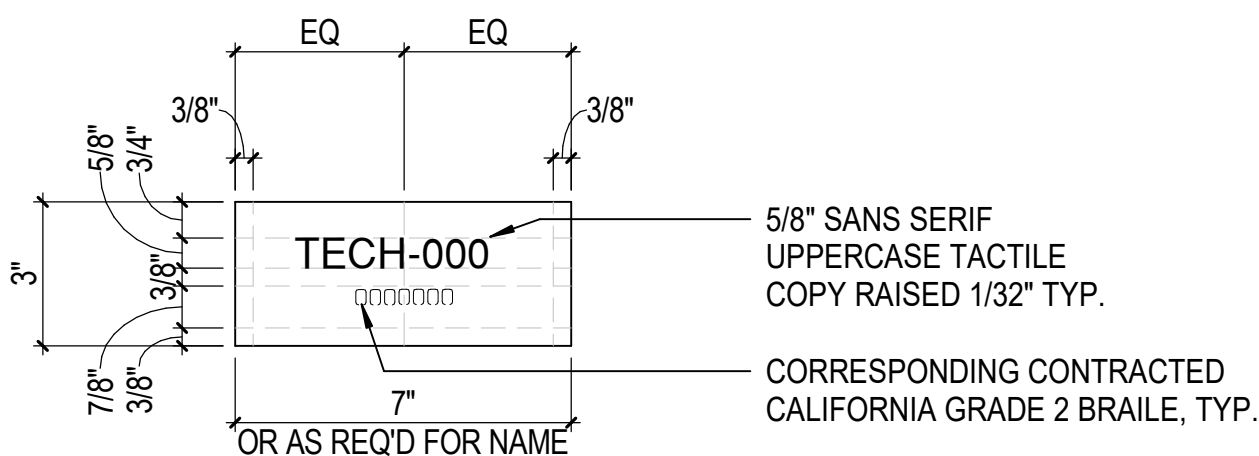
SIGN NAME: EXIT ROUTE

4  
A14.00  
SCALE: 3" = 1'-0"

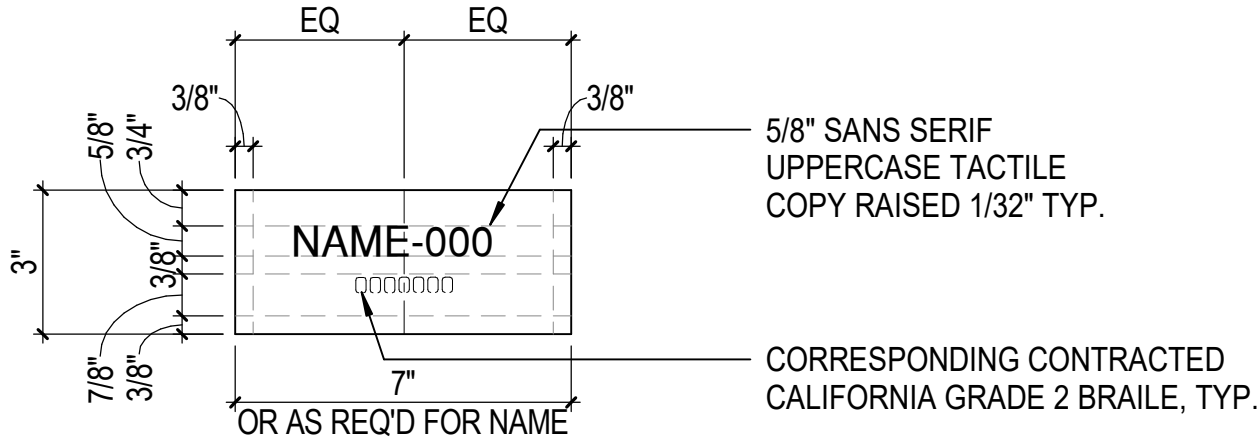


SIGN NAME: EXIT

3  
A14.00  
SCALE: 3" = 1'-0"

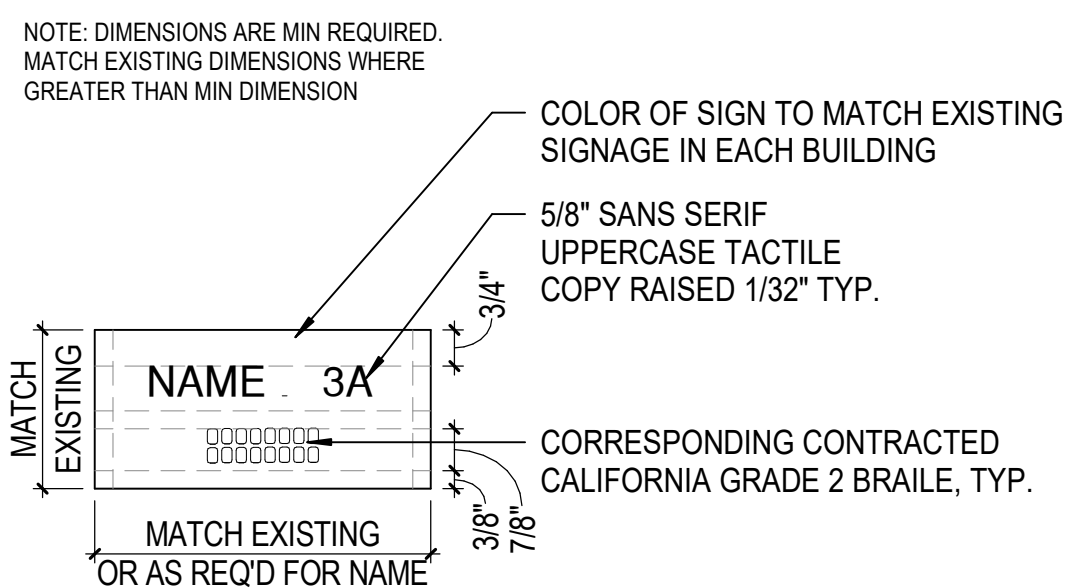


SIGN 1A: ROOM SIGN - GENERAL



SIGN 1B: ROOM SIGN - BACK OF HOUSE (1 LINE)

2  
A14.00  
SCALE: 3" = 1'-0"

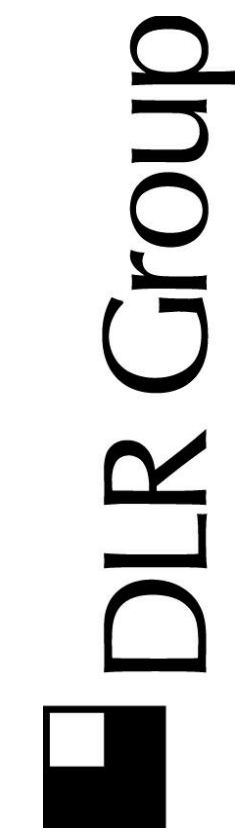
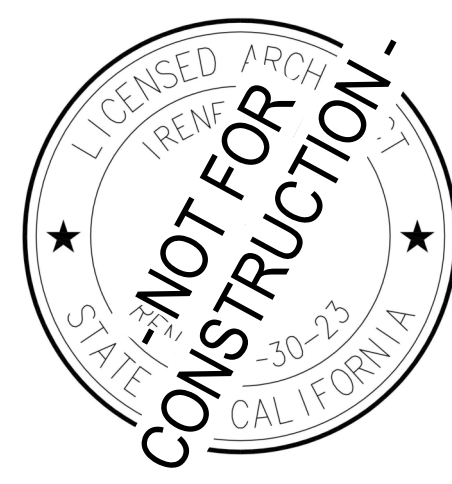


SIGN NAME: TYPICAL ROOM SIGN TO MATCH EXISTING

1  
A14.00  
SCALE: 3" = 1'-0"

## LEGEND AND NOTES

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DSA FILE: 07-01

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PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

SIGN TYPES & SIGNAGE  
DETAILS

A14.00



BM 380/175-2-1838-00 CCCC - Print Shop Release on 7/5-2-1838-00 - Print Shop, ST\_2020.vnt  
3/31/2022 7:20:26 AM

GENERAL NOTES

- THE STRUCTURAL DRAWINGS REPRESENT THE DESIGN OF THE PRIMARY STRUCTURE BASED ON PRESCRIBED LOADS (SEE DESIGN CRITERIA SECTION). IMPOSED ON THE STRUCTURE PER THE BUILDING CODE AS SPECIFIED IN THE "BUILDING CODE" SECTION. THE PRIMARY STRUCTURE OF THE BUILDING IS DEFINED AS THE FOUNDATIONS, BEARING WALLS, SHEAR WALLS, COLUMNS, BEAMS, SLABS, FLOOR FRAMING AND LATERAL FORCE RESISTING ELEMENTS REQUIRED TO MAINTAIN THE STABILITY OF THE COMPLETED STRUCTURE AS A WHOLE.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, AND THE CODES, RULES AND REGULATIONS OF THE BUILDING CODE AS DEFINED IN THE "BUILDING CODE" SECTION.
- THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- CONSTRUCTION MATERIAL AND EQUIPMENT LOADS PLACED ON THE STRUCTURE DURING THE CONSTRUCTION PROCESS SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE. NOTED IN THESE DRAWINGS. THE ENGINEER SHALL NOT BE RESPONSIBLE TO INVESTIGATE NOR APPROVE THE STRUCTURE FOR CONSTRUCTION MATERIAL OR EQUIPMENT LOADING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY BRACING AS REQUIRED FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL MEMBERS ARE IN PLACE AND FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
- CONSTRUCTION TOLERANCES SHALL CONFORM TO THE BUILDING STANDARDS SPECIFIED IN THE "BUILDING CODE" SECTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- MECHANICAL AND ELECTRICAL LOADS MAY BE SUPPORTED FROM BEAMS, LIGHT MECHANICAL AND ELECTRICAL LOADS ANCHORED INTO METAL DECK ASSEMBLY MUST BE ANCHORED INTO STRUCTURAL CONCRETE ABOVE. SEE STEEL DECKING NOTES IF NO CONCRETE IS SPECIFIED.
- IF ANY ERRORS OR OMISSIONS APPEAR TO EXIST IN THESE DRAWINGS, SPECIFICATIONS, OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OR ARCHITECT IN WRITING OF SUCH OMISSION OR ERROR BEFORE PROCEEDING WITH THE WORK.
- NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK, SUBJECT TO REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- MANUFACTURED MATERIALS SHALL BE APPROVED BY DSA PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.
- SEE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR THE FOLLOWING:
  - A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS AND THRESHOLD REQUIREMENTS.
  - B. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
  - C. SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS.
  - D. SIZE AND LOCATION OF CONCRETE CURBS.
  - E. DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING, ELECTRICAL AND OTHER SPECIALTY DRAWINGS AND PROJECT SPECIFICATIONS FOR THE FOLLOWING:
  - A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
  - B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
  - C. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE.
  - D. ANCHOR BOLTS FOR MOTOR MOUNTS.
  - E. SIZE, WEIGHT, AND LOCATION OF MACHINES AND EQUIPMENT BASES.
- FRAMING MEMBERS WHICH ARE NOT DIMENSIONED SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED POINT OF MEMBERS.
- OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- MATERIAL SPECIFICATIONS ARE ASTM LATEST EDITION.

EXISTING BUILDING DSA NUMBERS (FOR REFERENCE)

- STUDENT UNION BLDG  
DSA 64139
- BUSINESS/FOREIGN LANGUAGE BLDG
  - DSA 01-101859
- PERFORMING ARTS CENTER
  - DSA 3555, 01-16205
- LEARNING CENTER
  - DSA 5622, 33638
- PLANETARIUM
  - DSA 10786, 17818, 22703
- BOOKSTORE
  - DSA 01-105925

BUILDING CODE

- ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, SPECIFICATIONS, AND THE CODES, RULES AND REGULATIONS OF THE CALIFORNIA BUILDING CODE (CBC), 2019 EDITION.
- WHERE NOTED IN THE STRUCTURAL NOTES, CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL ALSO CONFORM TO THE FOLLOWING STANDARDS, WHERE THESE STANDARDS CONFLICT WITH THE BUILDING CODE, THE CODE SHALL GOVERN.

GENERAL

- ASCE7 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" AMERICAN SOCIETY OF CIVIL ENGINEERS  
ASCESEI 7 - 2016 EDITION

HOT ROLLED STEEL

- AISC-360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AMERICAN INSTITUTE OF STEEL CONSTRUCTION  
ANSI/AISC360 - 2016 EDITION

- RCS- "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS  
JUN 11, 2020

- AISC-341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS" AMERICAN INSTITUTE OF STEEL CONSTRUCTION  
ANSI/AISC341 - 2016 EDITION

- AISC-303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AMERICAN INSTITUTE OF STEEL CONSTRUCTION  
ANSI/AISC303 - 2016 EDITION

CONCRETE

- ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AMERICAN CONCRETE INSTITUTE  
ACI318 - 2014 EDITION

- ACI-301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AMERICAN CONCRETE INSTITUTE  
ACI301 - 2010 EDITION

- ACI-315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AMERICAN CONCRETE INSTITUTE  
ACI315 - 1999 EDITION

- ACI-117 "STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS" AMERICAN CONCRETE INSTITUTE  
ACI117 - 2010 EDITION

COLD FORM STEEL

- ASIS S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AMERICAN IRON AND STEEL INSTITUTE  
ASIS S100-2016 EDITION

WOOD

- NDS "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION" AMERICAN WOOD COUNCIL  
ANSI/AWC NDS-2018

DESIGN CRITERIA

- DEAD LOAD CRITERIA + SELF WEIGHT OF STRUCTURE AND MATERIALS
- EXISTING ROOF LIVE LOAD CRITERIA + 20 PSF + MECHANICAL
- WIND DESIGN CRITERIA  
3-SECOND GUST WIND SPEED,  $V = 100$  MPH (RISK CATEGORY III)  
EXPOSURE CATEGORY + C  
INTERNAL PRESSURE COEFFICIENT  $GCF = 0.18$
- SEISMIC DESIGN CRITERIA  
SEISMIC USE GROUP = III  
SITE CLASS = D (DEFAULT)  
IMPORTANCE FACTOR  $I_p = 1.25$   
 $S_s = 0.60$   
 $S_d = 1.619$   
 $S_{m1} = 1.943$   
 $S_{m2} = 1.020$   
 $S_{m3} = 1.259$   
 $S_{m4} = 0.680$   
SEISMIC DESIGN CATEGORY = D  
LATITUDE = 37.868963 N  
LONGITUDE = 122.07181 W

- EXISTING SEISMIC FORCE RESISTING SYSTEMS:  
STUDENT UNION BLDG  
EXISTING PLYWOOD SHEAR WALLS (REMAIN UNALTERED)  
BUSINESS/FOREIGN LANGUAGE BLDG  
EXISTING MASONRY SHEAR WALLS (REMAIN UNALTERED)  
PERFORMING ARTS CENTER  
EXISTING PLYWOOD SHEAR WALLS (ALTERED PER DRAWINGS)  
EXISTING CONCRETE SHEAR WALLS (REMAIN UNALTERED)  
LEARNING CENTER  
EXISTING WOOD AND MASONRY SHEAR WALLS (REMAIN UNALTERED)  
EXISTING BRACED FRAMES (REMAIN UNALTERED)  
PLANETARIUM  
EXISTING CONCRETE MOMENT FRAMES (REMAIN UNALTERED)  
BOOKSTORE  
EXISTING BRACED FRAMES (REMAIN UNALTERED)

FOUNDATIONS

- EXISTING FOUNDATIONS ARE TO REMAIN UNALTERED.

WOOD-ROUGH CARPENTRY AND SHEATHING

- SAWN LUMBER SHALL BE KILN-DRIED OR MC-15, AND GRADED AND MARKED IN CONFORMANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU - STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17, SOUTHERN PINE INSPECTION BUREAU - STANDARD GRADING RULES FOR SOUTHERN PINE LUMBER, OR SIMILAR APPROVED GRADING AGENCIES' LATEST EDITION STANDARD. ALL DIMENSIONAL WOOD FRAMING USED AS STRUCTURAL ELEMENTS SHALL CONFORM TO DDC P250-10. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:
  - WALL STUDS & PLATES DOUGLAS FIR #2
  - JOISTS (2x MEMBERS) DOUGLAS FIR #2
  - BEAMS AND STRINGERS DOUGLAS FIR #2
- LIGHT GAUGE STEEL CONNECTOR CALLOUTS REFER TO PRODUCTS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. INSTALL CONNECTORS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND THE DRAWINGS. CONNECTORS SHALL BE INSTALLED TO OBTAIN THE MAXIMUM LOAD VALUE LISTED IN THE MANUFACTURER'S CATALOGUE. LIGHT GAUGE STEEL CONNECTORS SHALL HAVE A G80 GALVANIZED FINISH. LIGHT GAUGE STEEL CONNECTORS AND THEIR NAILS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL HAVE A G185 GALVANIZED FINISH OR SHALL BE STAINLESS STEEL. CONNECTORS SHALL HAVE FASTENERS OF THE SAME MATERIAL, TYPE AND FINISH.
- NAILING SHALL CONFORM TO THESE DRAWINGS AND THE MINIMUM NAILING REQUIREMENTS AS SET FORTH IN THE BUILDING CODE. IN THE EVENT OF A DISCREPANCY BETWEEN THESE DRAWINGS AND THE BUILDING CODE, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- NAILS, SCREWS, ANCHOR BOLTS, WASHERS, THRU BOLTS, EXPANSION ANCHORS, EPOXY ANCHOR RODS, AND CONCRETE OR MASONRY HEAVY DUTY STUD ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIP (ASTM A153 CLASS C) OR MECHANICALLY GALVANIZED (ASTM B695 CLASS 55).
- WOOD STRUCTURAL PANELS SHALL BE APA RATED AND SHALL CONFORM TO PS 195 2. PRODUCT STANDARD DOCUMENTS, PANELS PERMANENTLY EXPOSED TO WEATHER SHALL BE EXTERIOR GRADE. PANELS APPLIED TO WALLS, FLOORS, AND ROOFS SHALL BE EXPOSURE 1 GRADE. PROTECT SHEATHING FROM WATER DAMAGE WHILE STORED AT JOB SITE. SHEATHING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
  - WALL SHEATHING: 1932" W/ PANEL SPAN RATINGS 24/16.

WOOD STRUCTURAL PANELS SHALL BE BLOCKED AT ALL EDGES.

- WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IBC. MINIMUM NAILING SHALL CONFORM TO FASTENING SCHEDULE, CBC TABLE 2304.10.1. ALL NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. NAILS USED ON THE EXTERIOR OR SUBJECT TO MOISTURE SHALL BE GALVANIZED OR STAINLESS STEEL.
- THE TABLE BELOW LISTS THE NAILS USED TO ENGINEER THE WOOD FRAMING FOR THE PROJECT. ALL NAILS USED SHALL COMPLY WITH THE DIAMETERS AND LENGTHS NOTED. SPECIAL NAILS WILL BE NOTED IN THE CONSTRUCTION DOCUMENTS.

TABLE 1: COMMON NAIL SIZE TABLE		
SIZE	DIAMETER	LENGTH
6d	0.113	2"
8d	0.131	2-1/2"
10d	0.148	3"
12d	0.148	3-1/4"
16d	0.162	3-1/2"
20d	0.192	4"

- WOOD CONNECTION BOLTS SHALL CONFORM TO ASTM A307. BOLTS SHALL BE PROVIDED WITH LOCK WASHERS UNDER NUTS OR SELF-LOCKING NUTS. BOLT HOLES SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.
- PROTECT WOOD FROM WEATHER SUCH THAT MOISTURE CONTENT AT THE TIME GYPSUM WALLBOARD IS APPLIED DOES NOT EXCEED 19%.
- WOOD MEMBERS DIRECTLY EXPOSED TO MOISTURE OR THAT ARE IN CONTACT WITH CONCRETE OR OTHER CEMENTITIOUS MATERIALS SHALL BE PRESURE TREATED. PRESURE TREAT LUMBER IN ACCORDANCE WITH THE MANUAL OF RECOMMENDED PRACTICE OF THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA).
- DETERMINE THE SIZE AND LOCATION OF OPENINGS, INCLUDING THOSE NOT SHOWN ON THE CONTRACT DRAWINGS, REQUIRED BY ALL TRADES. CONFIRM THAT THE TYPICAL AND SPECIAL FRAMING DETAILS SHOWN IN THE CONTRACT DRAWINGS COVER ALL OF THE CONDITIONS DETERMINED. REPORT DISCREPANCIES TO THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

- PROVIDE SIMPSON LUS FUSE HANGERS OR B TOP FLANGE HANGERS BETWEEN JOISTS AND BEAMS UNLESS OTHERWISE NOTED. PROVIDE SIMPSON HUSC CONCEALED FLANGE HANGERS BETWEEN BEAMS AND COLUMNS OR BUILT-UP POSTS. PROVIDE SIMPSON ABH SERIES AT BASE AND PCB SERIES AT CAPS UNLESS OTHERWISE NOTED. PROVIDE WEB BLOCKING AT WOOD 1 JOISTS.

- PROVIDE 2X6 STUDS AT 16" OC. STUDS SHALL HAVE FULL BEARING ON A 2" NOMINAL OR LARGER PLATE OR SILL WITH A WIDTH TO EQUAL OR EXCEEDING THE STUD WIDTH. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS. PROVIDE ONE KING STUD AND ONE JACK STUD EACH SIDE OF EA OPENING. MIN. SEE TYPICAL DETAILS FOR ADDITIONAL OPENING REQUIREMENTS. STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 6S NAILS AT 12" OC, STAGGERED, OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS AT 4'-0" OC. MINIMUM TWO ANCHORS PER WALL SEGMENT. MAXIMUM 1' FROM EACH WALL END UNLESS INDICATED OTHERWISE. MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TOGETHER PER THE TYPICAL DETAILS. PROVIDE CONTINUOUS SOLD BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 8'-0" IN HEIGHT (NOT REQUIRED IF WALL IS SHEATHED).

- HEADERS SHALL BE THREE 2X10s FOR 2X6 WALLS. MINIMUM UNLESS NOTED OTHERWISE ON TY HEADER DETAIL.

- CARE SHALL BE TAKEN TO AVOID OVERDRIVING NAILS THROUGH ROOF, FLOOR, AND WALL SHEATHING. NAILS SHALL BE CONSIDERED OVERDRIVEN IF THE HEAD HAS BEEN DRIVEN MORE THAN 1/8" BELOW THE FACE OF THE SHEATHING. IF MORE THAN 25% OF THE NAILS IN A SINGLE SHEET ARE OVERDRIVEN, ADD ONE ADDITIONAL NAIL FOR EVERY TWO OVERDRIVEN NAILS WHERE 6" OR 4" NAIL SPACINGS ARE REQUIRED OR REMOVE AND REPLACE THE FULL SHEET WHERE NAIL SPACINGS LESS THAN 4" ARE REQUIRED.

- WOOD FRAMING SHALL BE A MINIMUM OF 2" BUT SHALL NOT BE LESS THAN THE DISTANCE SPECIFIED IN CHAPTER 21 OF THE BUILDING CODE AND THE INTERNATIONAL MECHANICAL CODE, FROM FLUES, CHIMNEYS, AND FIREPLACES, AND 8" AWAY FROM LUE OPENINGS.

POST-INSTALLED ANCHORAGE

- ADHESIVE ANCHORAGES, WHERE SPECIFIED ON THE DRAWINGS, SHALL CONFORM TO THE FOLLOWING:
  - CONCRETE EPOXY ANCHORS: HILTI HIT-RE 500-V3 ESR-3814
- GROUTED REINFORCED CMU EPOXY ANCHORS: HILTI HIT-EP 270 ESR-4143
- MECHANICAL ANCHORAGES, WHERE SPECIFIED ON THE DRAWINGS, SHALL CONFORM TO THE FOLLOWING:
  - CONCRETE EXPANSION ANCHORS: HILTI KWIK BOLT KB-T2 ESR-4266
  - CONCRETE SCREW ANCHORS: HILTI HUS-EZEZ 1 ESR-3027
  - CONCRETE UNDERCUT ANCHORS: HILTI HSA ESR-1546
  - GROUTED REINFORCED CMU EXPANSION ANCHORS: HILTI KWIK BOLT 3 ESR-1385
- DRILLING SHALL BE PERFORMED WITH A ROTARY HAMMER DRILL AND CARBIDE TIPPED DRILL BIT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE ICC EVALUATION REPORT.
- BORE HOLE CLEANING PROCEDURES MUST COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE ICC EVALUATION REPORT IN ORDER TO PRODUCE A DRY, DUST-FREE HOLE.
- INJECTION OF ADHESIVE SHALL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE ICC EVALUATION REPORT IN ORDER TO PRODUCE AN AIR-VOID FREE INJECTION.
- SPECIAL CONDITIONS SUCH AS WATER SATURATED CONCRETE, WATER-FILLED HOLES, UNDERWATER AND OVERHEAD INSTALLATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD AND COMPLY WITH THE APPLICABLE ICC-ES REPORT.
- STEEL ANCHORING ELEMENTS SHALL BE THE SIZE AND GRADE SHOWN ON THE DRAWINGS AND MUST BE CLEAN, DRY AND FREE OF ANY OIL CONTAMINANTS. ALL EXTERIOR THREADED RODS USED FOR EXTERIOR EPOXY ANCHOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED.
- SUBSTITUTIONS FOR ANCHOR SYSTEMS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION AND SHALL HAVE A VALID ICC-ES EVALUATION IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE.

- ALL ANCHOR EMBED DEPTHS SPECIFIED ON THESE DRAWINGS ARE EFFECTIVE EMBEDMENT DEPTHS. ADDITIONAL ANCHOR LENGTH AND OR HOLE DEPTH SHALL BE PROVIDED AS REQUIRED BY THE ANCHOR MANUFACTURER AND ASSOCIATED CODE APPROVALS.

- WHEN INSTALLING DRILLED-IN ANCHORS IN NON-PRESSURED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE REINFORCING BARS OR OTHER EMBEDDED ITEMS SUCH AS ELECTRICAL/TELECOMMUNICATIONS CONDUIT.

- SPECIAL INSPECTION/TESTING OF EXPANSION TYPE ANCHORS

- ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE SHALL BE TORQUED AS NOTED IN THE SCHEDULE. ANCHORS REQUIRING TESTING SHALL TESTED A MINIMUM OF 24 HOURS AFTER INSTALLATION AND SHALL REACH THE SPECIFIED TORQUE WITHIN 12 HOURS OF THE NUT UON. 1/4" AND 3/8" INCH DIAMETER ANCHORS SHALL REACH THE SPECIFIED TORQUE WITHIN 14 HOURS OF THE NUT. TEST LOAD SHALL BE APPLIED USING A CALIBRATED TORQUE WRENCH. THE WRENCH CALIBRATION SHALL BE CONFIRMED BY THE SPECIAL INSPECTOR PRIOR TO TESTING.

- ALL EXPANSION ANCHORS SHALL BE INSTALLED UNDER CONTINUOUS SPECIAL INSPECTION AND TORQUE TESTED UNLESS OTHERWISE NOTED.

- SPECIAL INSPECTION/TESTING OF SCREW TYPE ANCHORS

- ALL CONCRETE SCREW ANCHORS SHALL BE INSTALLED WITHOUT EXCEEDING THE MAXIMUM ALLOWABLE TORQUE. IN THE EVENT THAT AN IMPACT WRENCH IS USED DURING THE INSTALLATION, THE SPECIAL INSPECTOR SHALL VERIFY THAT THE IMPACT WRENCH POWER DOES NOT EXCEED THE MAXIMUM ALLOWABLE IN THE SCHEDULE. ANCHORS REQUIRING TESTING SHALL TESTED A MINIMUM OF 24 HOURS AFTER INSTALLATION AND SHALL REACH 80% OF THE SPECIFIED MAXIMUM PERMISSIBLE TORQUE WITHIN 14 HOURS OF THE NUT UON.

- ALL SCREW ANCHORS SHALL BE INSTALLED UNDER CONTINUOUS SPECIAL INSPECTION AND TORQUE TESTED UNLESS OTHERWISE NOTED. TEST LOAD SHALL BE APPLIED USING A CALIBRATED TORQUE WRENCH. THE WRENCH CALIBRATION SHALL BE CONFIRMED BY THE SPECIAL INSPECTOR PRIOR TO TESTING.

- SPECIAL INSPECTION/TESTING OF EPOXY ANCHORAGE:

- ALL POST-INSTALLED EPOXY ANCHORAGE SHALL BE INSTALLED UNDER CONTINUOUS INSPECTION BY THE SPECIAL INSPECTOR. ALL EPOXY ANCHORS IN CONCRETE SHALL BE INSTALLED BY A CCACI CERTIFIED INSTALLER.

- ALL POST-INSTALLED EPOXY ANCHORS INTO CONCRETE AND CMU SHALL BE PULL TESTED UON.

- ALL PULL TESTING SHALL MAINTAIN THE SPECIFIED TENSION LOAD PER THE SCHEDULE FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISPERNABLE MOVEMENT DURING THE TENSION TEST. DISCERNABLE MOVEMENT IS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT.

- ANY ANCHOR THAT FAILS THE PULL TEST SHALL BE REMOVED AND REPLACED.

- FOR LIGHTWEIGHT CONCRETE INSTALLATION, THE PULL TEST LOAD SHALL BE REDUCED 33%.

- FOR ANCHORS WITH EMBEDMENT LESS THAN SPECIFIED ON THE PULL TEST SCHEDULE, REDUCE THE TEST LOAD BY RATIO OF SPECIFIED DEPTH/TEST LOAD DEPTH.

- FOR ANCHORS WITH EDGE DISTANCE LESS THAN SPECIFIED ON THE PULL TEST SCHEDULE, REDUCE THE TEST LOAD BY 5% FOR EACH INCH OF EDGE DISTANCE LESS THAN THE TEST EDGE DISTANCE AS SPECIFIED IN TABLE. EXAMPLE: 1" @ 8" EDGE DISTANCE WILL RECEIVE 33% REDUCTION.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL DESIGN, DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE AISC STEEL CONSTRUCTION MANUAL, LOAD AND RESISTANCE FACTOR DESIGN AND THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 360-16.

- STRUCTURAL STEEL FABRICATION AND ERECTION SHALL CONFORM TO AISC REQUIREMENTS AND THE PROJECT SPECIFICATIONS.

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS:
  - WIDE FLANGE SHAPES ASTM A992, Fy=50 KSI
  - COLUMN BASE PLATES ASTM A572 GRADE 50 (Fy = 50 KSI)
  - PLATES AND BARS ASTM A36, Fy=36 KSI
  - CHANNELS AND ANGLES ASTM A572 GRADE 50 WHERE NOTED AS GRADE 50
  - HOLLOW ROUND SECTIONS ASTM A500C, Fy=46 KSI
  - HOLLOW RECTANGULAR SECTIONS ASTM A500C, Fy=46 KSI
  - ROUND PIPE ASTM A53B, Fy=36 KSI
  - COLUMN ANCHOR RODS ASTM F1554 GRADE 55 (S1)
  - THREADED RODS FOR EPOXY ANCHORAGE ASTM A193 GRADE B7
  - CONNECTION BOLTS F1515 GRADE A325N (1/8" DIA)
  - WELDED ELECTRODES E70XX
  - MILD STEEL STUDS (WHS) ASTM A108, Fy=65 KSI, TYPE B
  - WELDED THREADED STUDS (WTS) ASTM A108, Fy=65 KSI, TYPE B

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES, AND TAPERS OF UNEQUAL PARTS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF A METHOD TO TRANSFER GRAVITY AND LATERAL LOADS FROM NON-STRUCTURAL ITEMS OCCURRING BETWEEN STRUCTURAL FRAMING TO ADJACENT FRAMING MEMBERS. IF STRUCTURAL FRAMING CONSISTS OF JOISTS OR JOIST GIRDERS, CONTACT STRUCTURAL ENGINEER.

- WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS. ALL WELDS SHALL BE PREQUALIFIED AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS USING AISC E70 SERIES ELECTRODES FOR SHOP WELDING A36 STEEL, AND E70 SERIES LOW HYDROGEN ELECTRODES FOR ALL WELDING OF HIGH STRENGTH STEELS AND FOR ALL FIELD WELDING.

- ONLY PREQUALIFIED WELDS AS DEFINED BY AWS SHALL BE USED. WELDS SHOWN ON THE DRAWINGS ARE THE MINIMUM SIZE. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS. MINIMUM WELD SIZE SHALL BE 3/16 INCH. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS.

- WHEN WELDS ARE NOT CALLED-OUT ON DRAWINGS, THEY ARE MINIMUM SIZE CONTINUOUS FILLET WELDS IN ACCORDANCE WITH AWS D1.1. FILLET WELDS NOT SPECIFIED AS TO LENGTH SHALL BE CONTINUOUS.

- ALL FILLET WELDS BY EACH WELDER SHALL BE VISUALLY INSPECTED.

NON-STRUCTURAL METAL FRAMING

- THE DESIGN AND INSTALLATION OF NON-STRUCTURAL METAL FRAMING SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE AND AISI STANDARDS.
- METAL FRAMING SHALL CONFORM TO ASTM C645.
  - 16GA (64ML) AND THICKER ELEMENTS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
  - 18GA (43 ML) AND THINNER ELEMENTS SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
- STUDS, JOISTS, TRACK, BRIDGING, END CLOSURES, AND ACCESSORIES SHALL BE GALVANIZED G40 ASTM A653SS.
- STEEL STUDS AND JOISTS SHALL BE "C" SHAPED WITH STIFFENED FLANGES, OF THE SIZE, GAUGE AND PROPERTIES SHOWN ON THE STRUCTURAL DRAWINGS, OR AS DESIGNATED WITH STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) NOMENCLATURE AS SPECIFIED IN ICC ESR-3064.
- TRACK SHALL BE CHANNEL SHAPED, MATCHING STUD AND JOIST GAUGE, WITH MINIMUM FLANGE WIDTH OF 1 1/4" UNON BRIDGING SHALL BE PROVIDED PER THE RECOMMENDATION OF THE MANUFACTURER. UNON
- SUP-TYPE HEAD JOINTS, WHERE INDICATED, PROVIDE SINGLE LONG-LEG TRACK SYSTEM WITH 2" DEEP FLANGES.
- WELDING, FABRICATION, ATTACHMENTS, ETC., SHALL BE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS, OR, IF NOT SPECIFIED, WITH THE RECOMMENDATIONS AND SPECIFICATIONS OF THE MANUFACTURER.
- WELDING OF COLD FORMED MEMBERS SHALL CONFORM TO AWS D1.3D1.3M, "STRUCTURAL WELDING CODE, SHEET STEEL," 2008 EDITION.
- SCREW CONNECTIONS SHALL BE MADE USING SELF DRILLING / SELF TAPPING SCREWS CONFORMING TO ASTM C1513 AND ASTM A510. USE SCREW SIZE AS SPECIFIED ON THE STRUCTURAL DRAWINGS. SCREWS FASTENING GYPSUM SHEATHING TO COLD FORMED STUDS OR JOISTS SHALL CONFORM TO AISC C654.
- MINIMUM AND DESIGN THICKNESS FOR METAL FRAMING MEMBERS SHALL CONFORM TO ICC ESR-3064.

SPECIAL STRUCTURAL INSPECTIONS:

- THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CBC SECTION 1704A.2. THE SPECIAL INSPECTION AND TESTING SHALL BE PERFORMED BY A SPECIAL INSPECTOR IN CONTRACT WITH THE OWNER AND APPROVED BY THE ARCHITECT AND BUILDING OFFICIAL. THE FREQUENCY OF INSPECTION AND TESTING SHALL BE AS OUTLINED BELOW. THE SPECIAL INSPECTOR SHALL REVIEW AND PROVIDE ALL INSPECTIONS IN ACCORDANCE WITH THE APPROVED DSA FORM 103-19. DEFICIENCIES SHALL BE REPORTED TO THE CONTRACTOR ON A DAILY BASIS. SUMMARY REPORTS OF ALL INSPECTIONS SHALL BE DISTRIBUTED TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER AND BUILDING OFFICIAL WITH DEFICIENCIES CLEARLY NOTED.

STRUCTURAL SPECIAL INSPECTIONS TABLE	
ITEM	BUILDING CODE REFERENCE
STRUCTURAL STEEL	CBC 1705A.2.1, 1705A.2.5, 2213A, 1705A.2.6 DSA IR 17.3
COLD-FORMED STEEL	CBC 1705A.11.2
WOOD CONSTRUCTION	CBC 1705A.5
POST-INSTALLED ANCHORAGE	1910A.5, ICC-ESR REPORT

- WOOD CONSTRUCTION SHALL BE INSPECTED TO VERIFY INSTALLATION OF FRAMING FOR GENERAL CONFORMANCE WITH CONSTRUCTION DOCUMENTS. VERIFY INSTALLATION OF LIGHT GAUGE STEEL CONNECTORS. VERIFY SHEAR WALL SHEATHING NAILING AND SPACING.
- REFER TO GENERAL NOTES FOR ADDITIONAL INSPECTIONS FOR POST-INSTALLED ANCHORS.
- ARCHITECTURAL AND MECHANICAL/ELECTRICAL/PLUMBING COMPONENTS SHALL BE INSPECTED PER CBC 1705A.12.5 AND CBC 1705A12.6, RESPECTIVELY.

- ARCHITECTURAL AND MECHANICAL/ELECTRICAL/PLUMBING COMPONENTS SHALL BE INSPECTED PER CBC 1705A.12.5 AND CBC 1705A12.6, RESPECTIVELY.

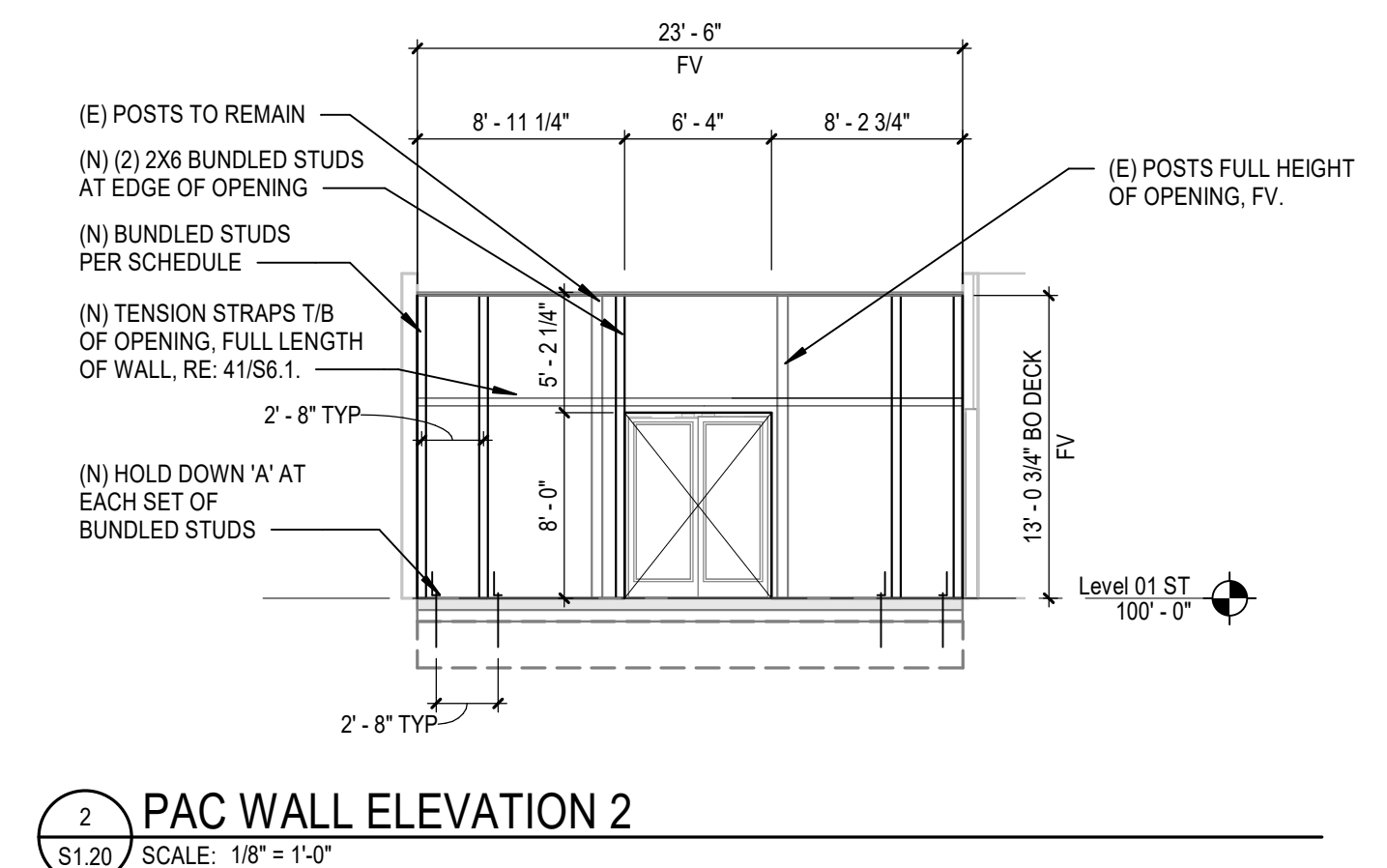
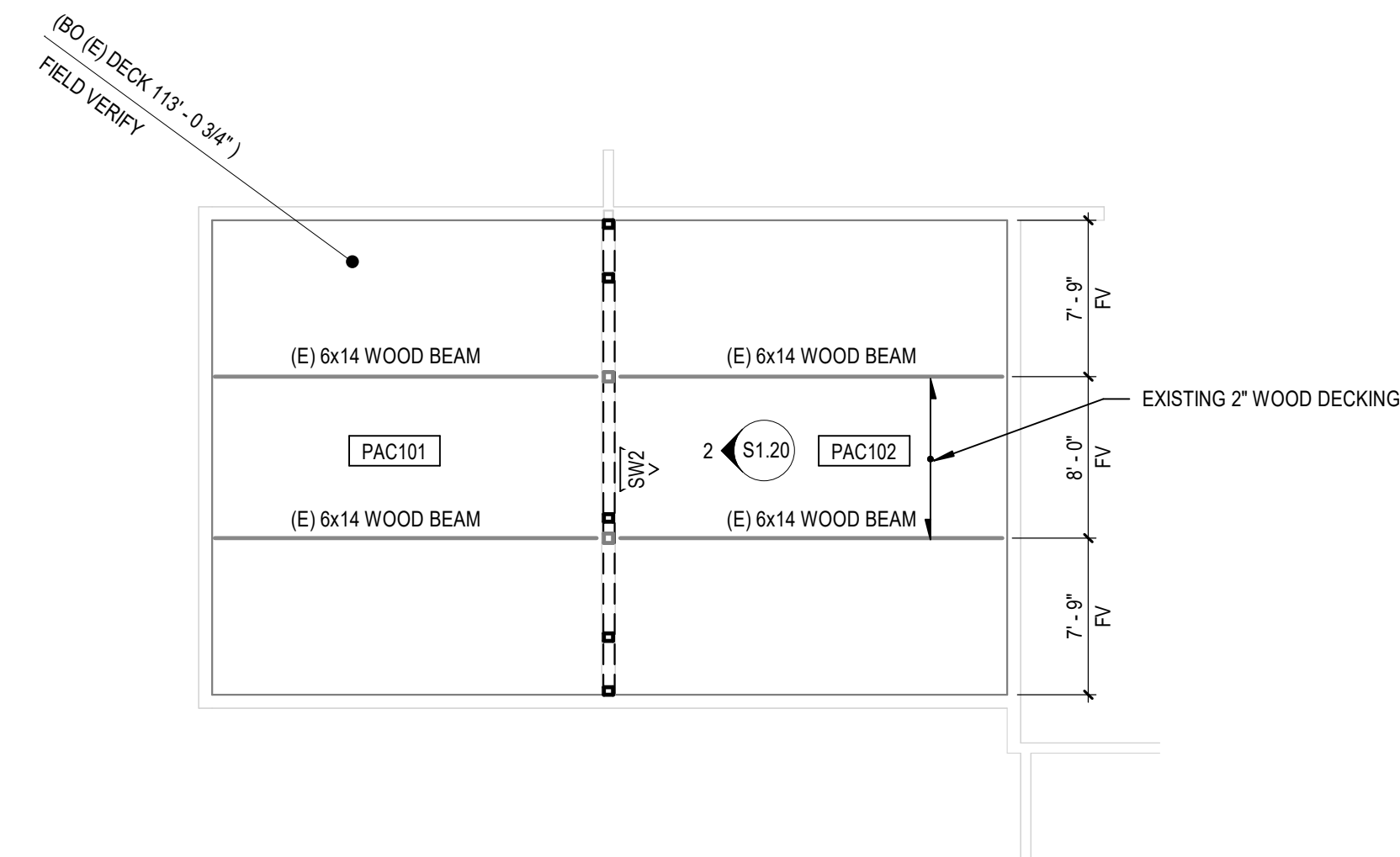
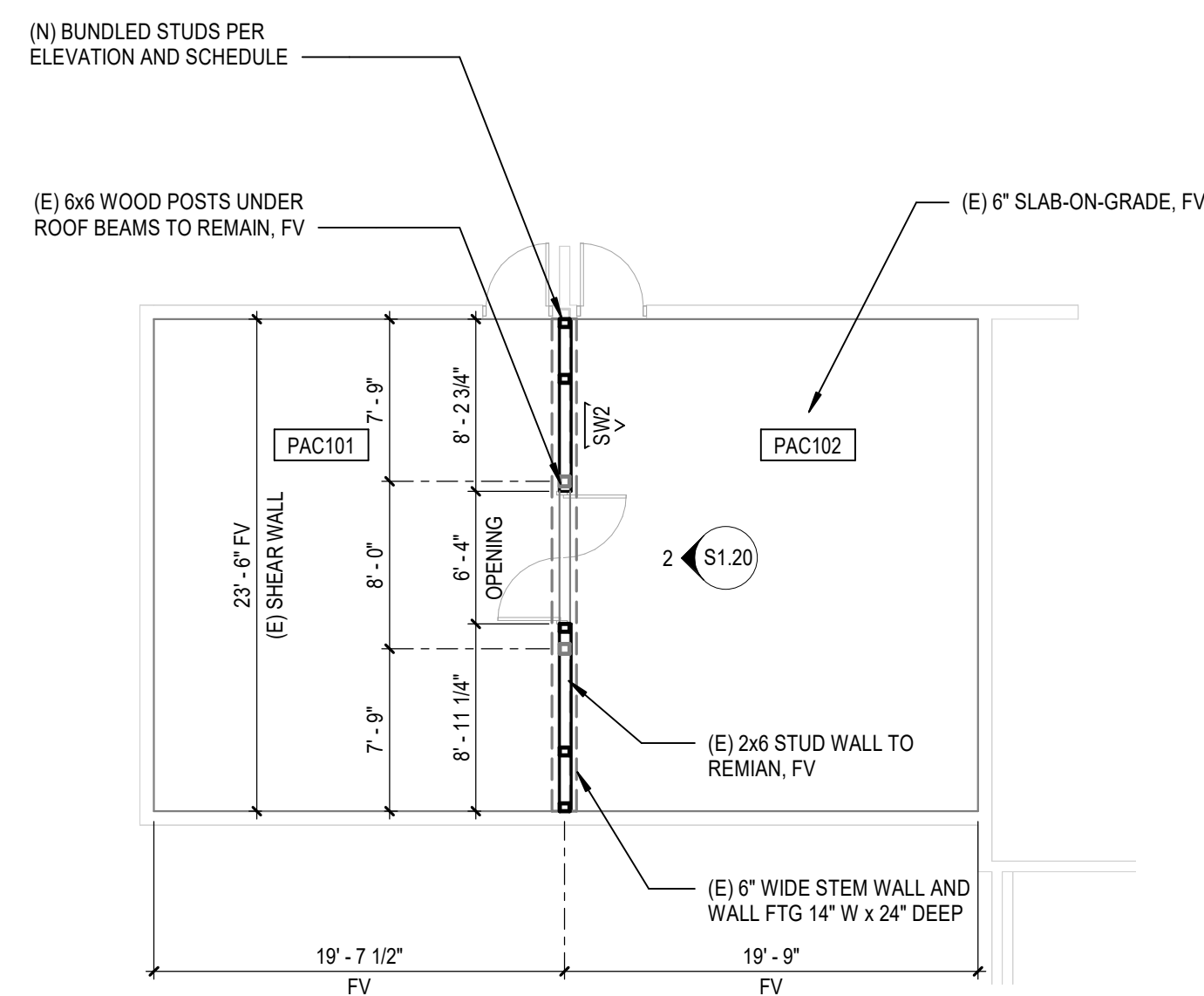
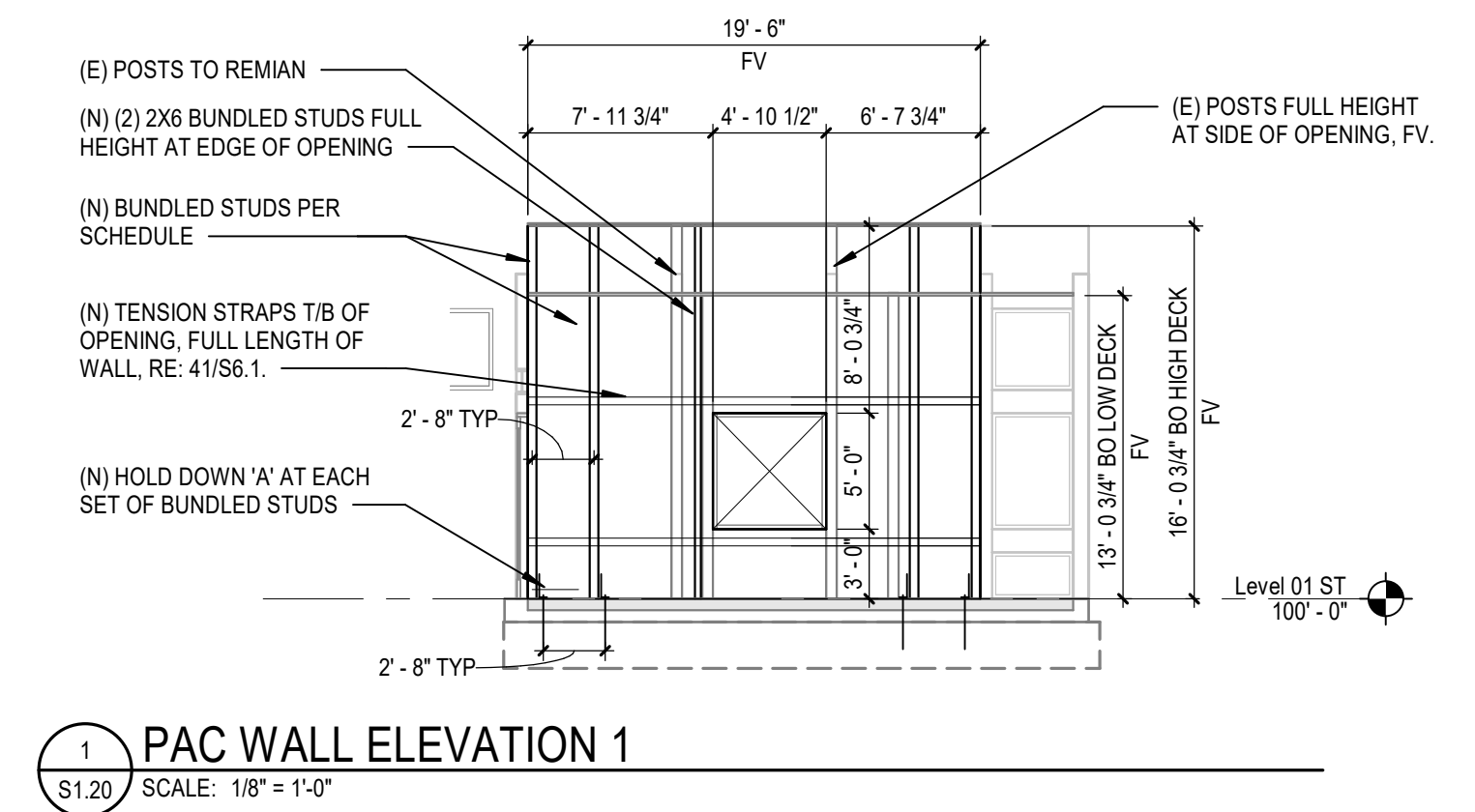
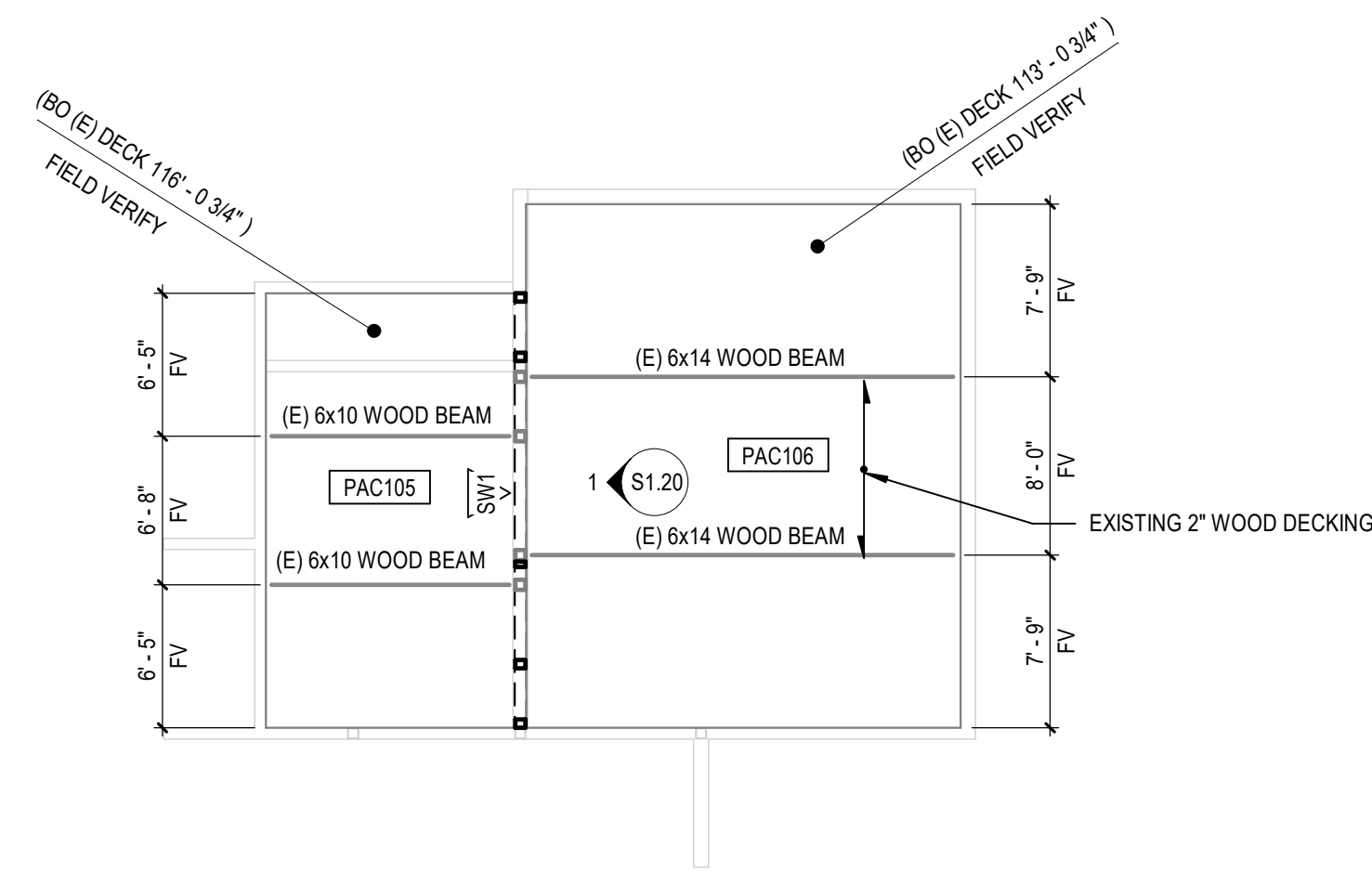
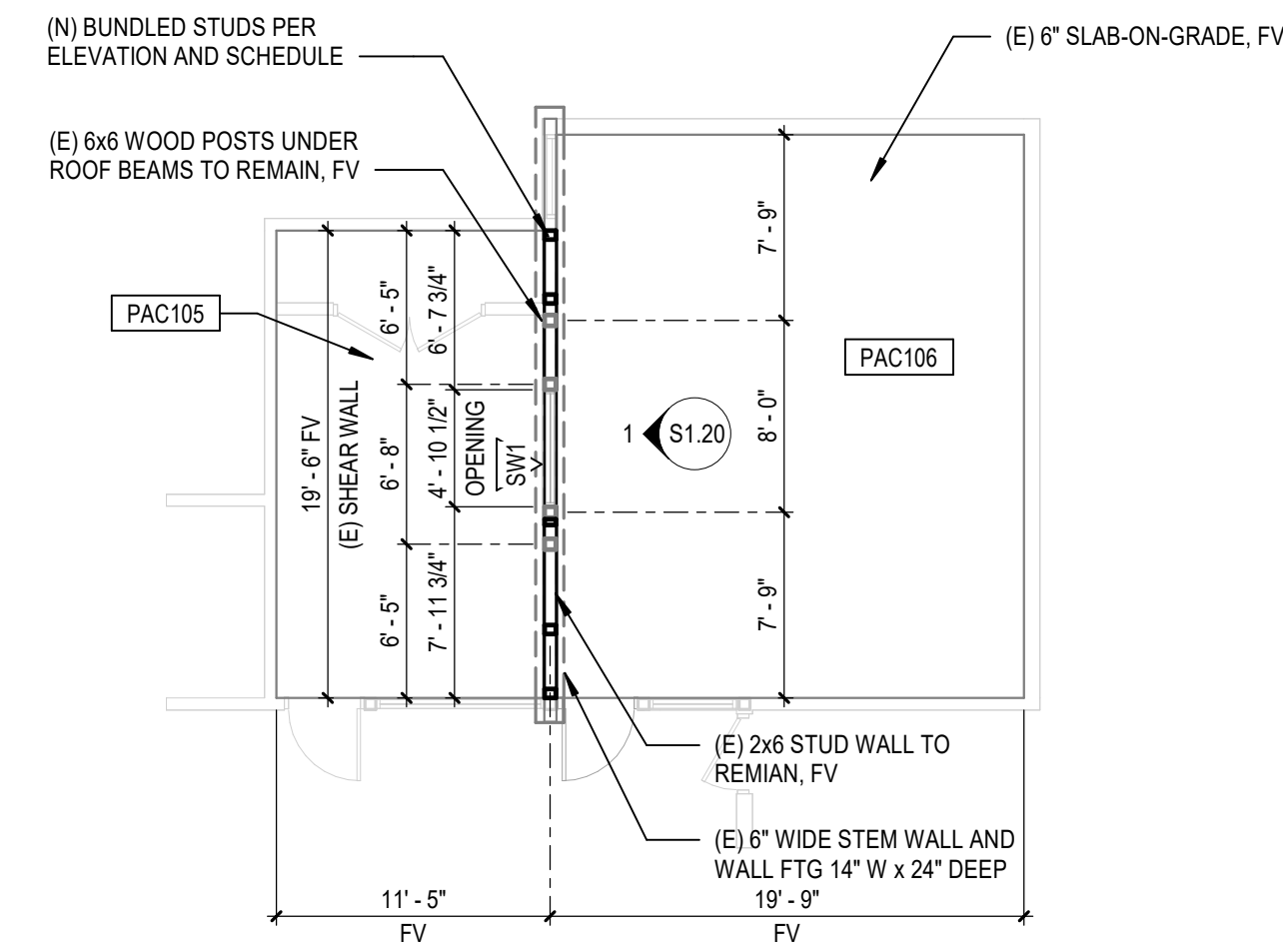
- ARCHITECTURAL AND MECHANICAL/ELECTRICAL/PLUMBING COMPONENTS SHALL BE INSPECTED PER CBC 1705A.12.5 AND CBC 1705A12.6, RESPECTIVELY.

EPOXY ANCHORS IN NORMAL WEIGHT CONCRETE (4000PSI MIN)									
SIZE	MIN. HOLE DIAM.	MIN. DEPTH	TEST LOAD	EDGE DISTANCE FOR TEST LOAD CALCULATION	ASTM A193 B7 THREADED ROD	MIN. HOLE DIAM.	MIN. DEPTH	TEST LOAD	EDGE DISTANCE FOR TEST LOAD CALCULATION
#3	12 IN	3 IN	4.0 KIPS	6 IN	3/8 IN	7/16 IN	3 IN	4.0 KIPS	6 IN
#4	5/8 IN	4 IN	6.4 KIPS	7 IN	1/2 IN	9/16 IN	4 IN	6.4 KIPS	7 IN
#5	3/4 IN	5 IN	9.3 KIPS	8 IN	5/8 IN	3/4 IN	5 IN	9.3 KIPS	8 IN
#6	7/8 IN	6 IN	12.1 KIPS	8 IN	3/4 IN	7/8 IN	6 IN	12.1 KIPS	8 IN
#7	1 IN	7 IN	15.7 KIPS	10 IN	7/8 IN	1 IN	7 IN	15.7 KIPS	10 IN
#8	1 1/8 IN	8 IN	19.2 KIPS	12 IN	1 IN	1 1/8 IN	8 IN	19.2 KIPS	12 IN
TEST LOAD = 125% MAXIMUM STRENGTH DESIGN CAPACITY OF THE ANCHOR PER CBC 1910A.5.4									

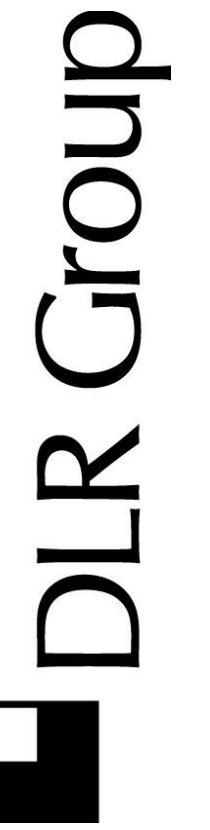
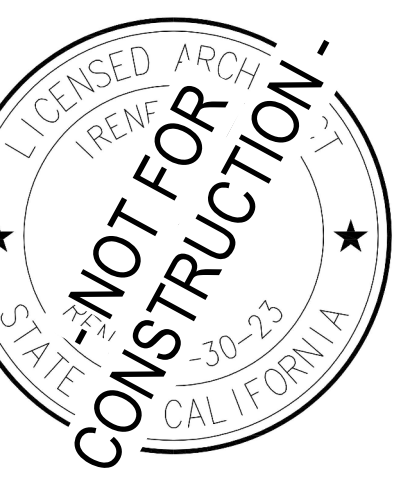
TYPICAL CARBON STEEL EXPANSION ANCHOR INSTALLATION DESIGN AND TEST DATA					
BOLT DIAMETER	3/8"		1/2"		5/8"
EFFECTIVE EMBEDMENT	1 1/2"	2"	2"	3 1/4"	3 1/8"
NOMINAL EMBEDMENT	1 13/16"	2 5/16"	2 3/8"	3 5/8"	3 9/16"
MIN. HOLE DEPTH	2"	2 5/8"	2 5/8"	4"	3 3/4"
MIN. MEMBER THICKNESS	4"	4"	4"	6"	5"
INSTALLATION TORQUE	25 FT-LBS		40 FT-LBS		60 FT-LBS

INSTALLATION TORQUE PER ICC-ESR 1917





APPROVAL STAMP



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# DVC

APP: 01-119997  
FILE: 07-C1

FILE: 07-C1

## DVC - Print Shop, Student Success, & Health Services Renovation

321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94522

321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

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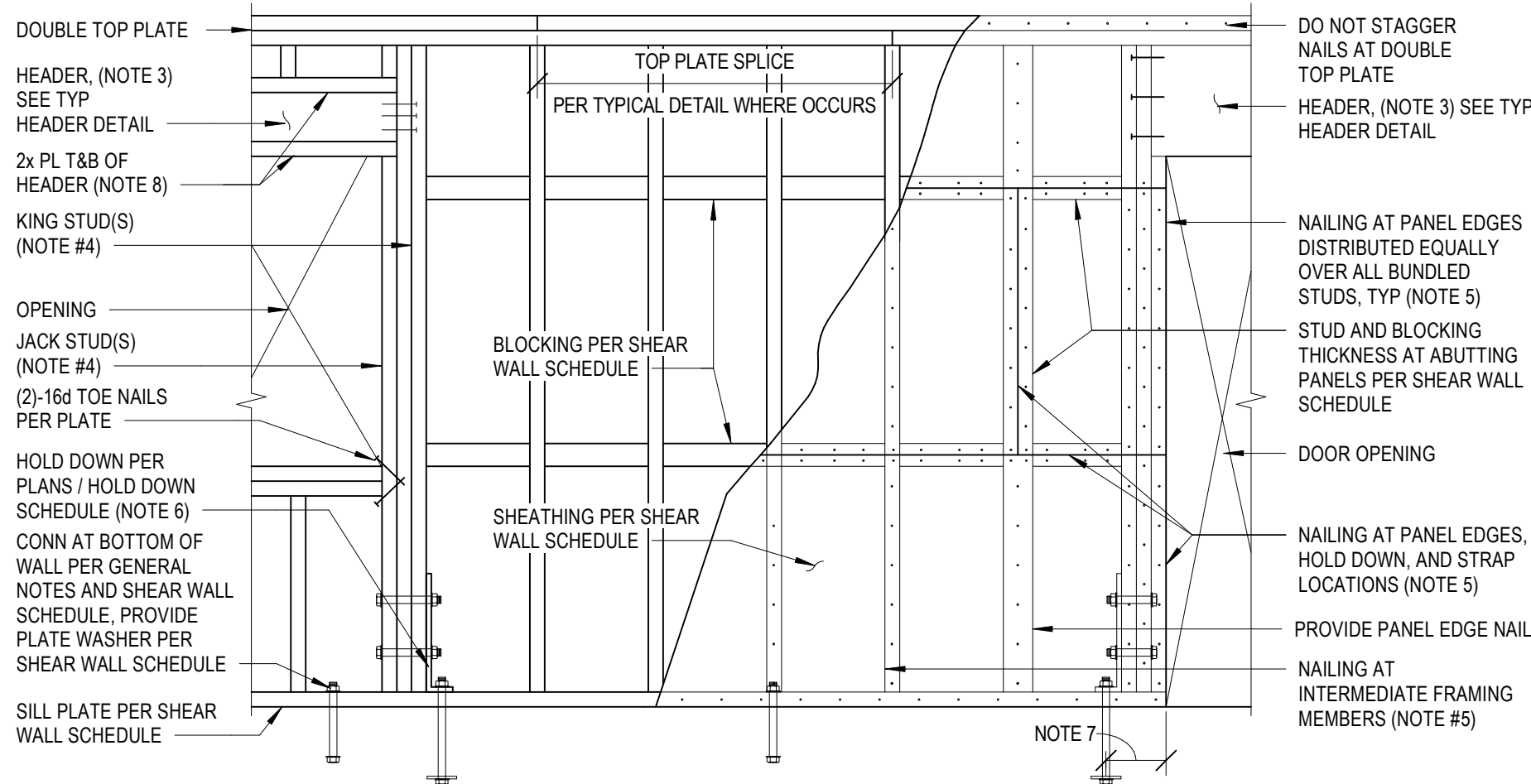
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1809-00

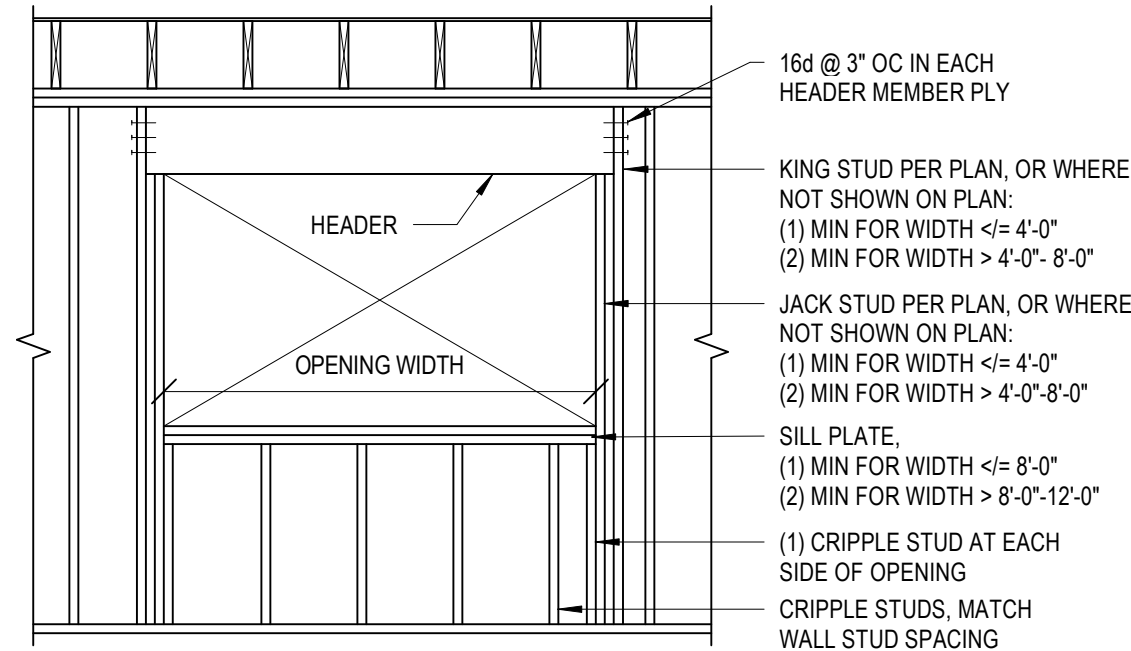
STUDENT SERVICES -  
PERFORMING ARTS CENTER -  
STRUCTURAL

1.20



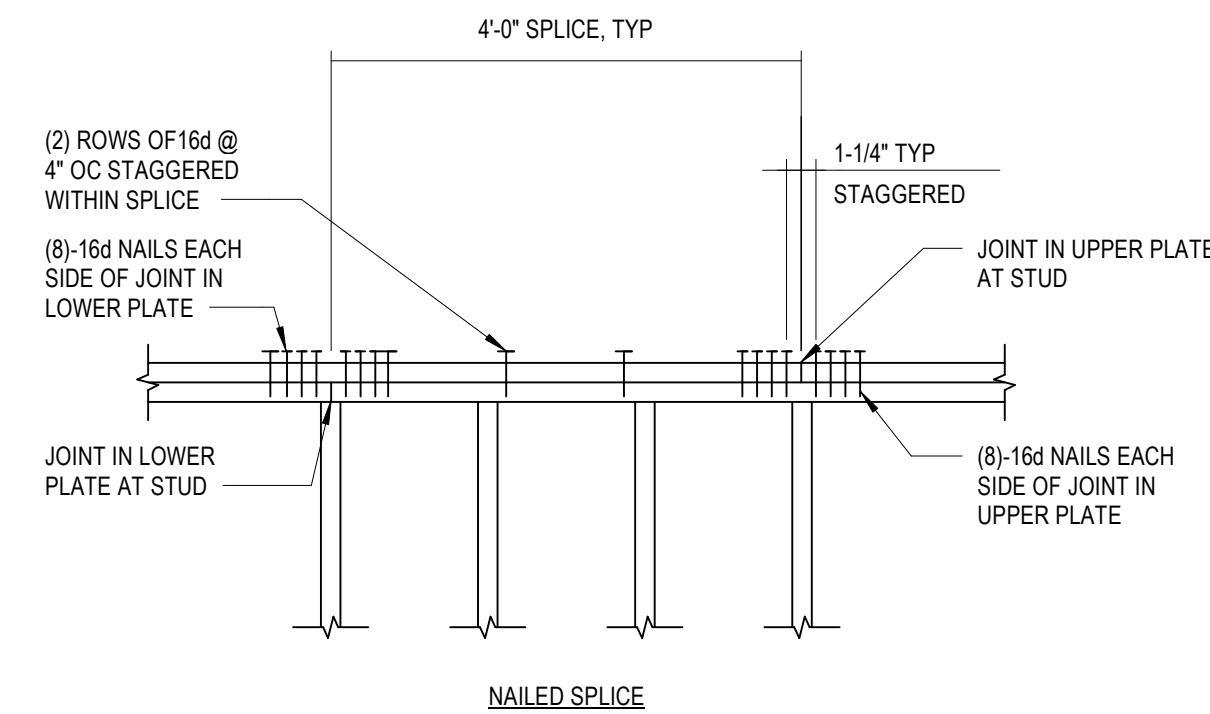


11 TYPICAL STRUCTURAL WOOD STUD WALL ELEVATION  
S6.1 SCALE: 3/4" = 1'-0"



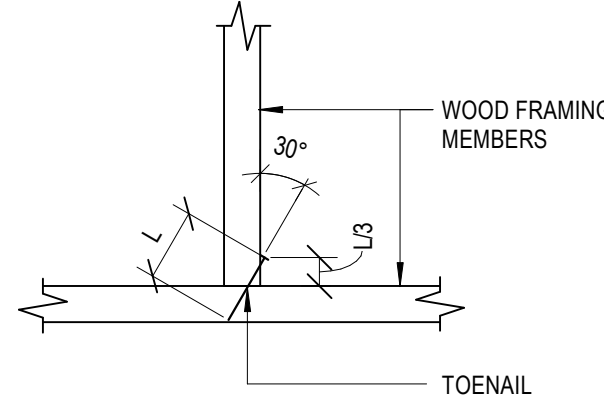
- NOTES:
1. HEADER TO BE PROVIDED AT EACH WINDOW OR DOOR OPENING. RE: ARCHITECTURAL PLANS.
  2. WHERE NOT SHOWN ON PLAN, PROVIDE (3)-2X10 FOR OPENING WIDTH <= 4'-0" AND (3)-2X12 FOR OPENING WIDTH > 4'-0" 8'-0".
  3. PROVIDE CRIDDLE STUDS TO MATCH WALL STUD SPACING ABOVE HEADER WHERE APPLICABLE.
  4. ATTACH KING STUD TO EACH HEADER PLY W/ 16d NAILS @ 3" OC.
  5. FASTEN JACK & KING STUDS PER BUNDLED STUD SCHEDULE.
  6. NUMBER OF KING STUDS SHALL BE THE GREATER OF STUDS SHOWN IN THIS SCHEDULE OR END POST SHOWN IN SHEAR WALL SCHEDULE.
  7. AT LOCATIONS OF HEADER ATTACHED TO EXISTING WOOD POSTS - PROVIDE SIMPSON FACE MOUNTED HANGERS HUC0610-SDS OR HUC0612-SDS.

13 TYPICAL HEADER DETAIL  
S6.1 SCALE: 3/8" = 1'-0"



- NOTES:
1. PROVIDE CONT TOP PLATES (NO JOINTS) WHERE WALLS ARE 12'-0" OR LESS IN LENGTH.

23 TYPICAL TOP PLATE SPLICE  
S6.1 SCALE: 3/4" = 1'-0"

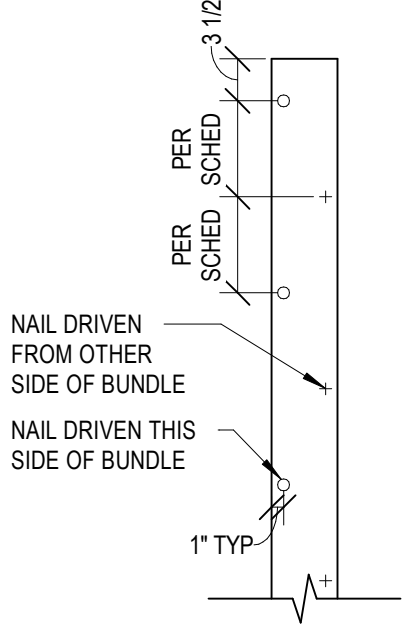


- NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF APPROXIMATELY 30 DEGREES WITH THE MEMBER AND STARTED APPROXIMATELY 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END.

24 TYPICAL TOE-NAIL CONNECTION  
S6.1 SCALE: 1 1/2" = 1'-0"

BUNDLED STUD SCHEDULE		
# OF STUDS	STUD SIZE	FACE NAILING FOR BUNDLED STUDS
2	2x	10d @ 3" OC STAGGERED ALT FACE
3	2x	20d @ 3" OC STAGGERED ALT FACE
4	2x	20d @ 3" OC STAGGERED ALT FACE

- NOTES:
1. AS ALTERNATE TO BUNDLED STUD NAILING FOR BUNDLES OF 3 OR MORE, STUDS MAY BE BUNDLED PER 2 STUDS WITH 10d @ 3" OC STAGGERED FOR EACH ADDITIONAL STUD.
  2. ALL BUNDLED STUDS SHALL BE CONSIDERED AS ONE STUD IN ALL DETAILS THAT CALL FOR A "NUMBER OF STUDS".

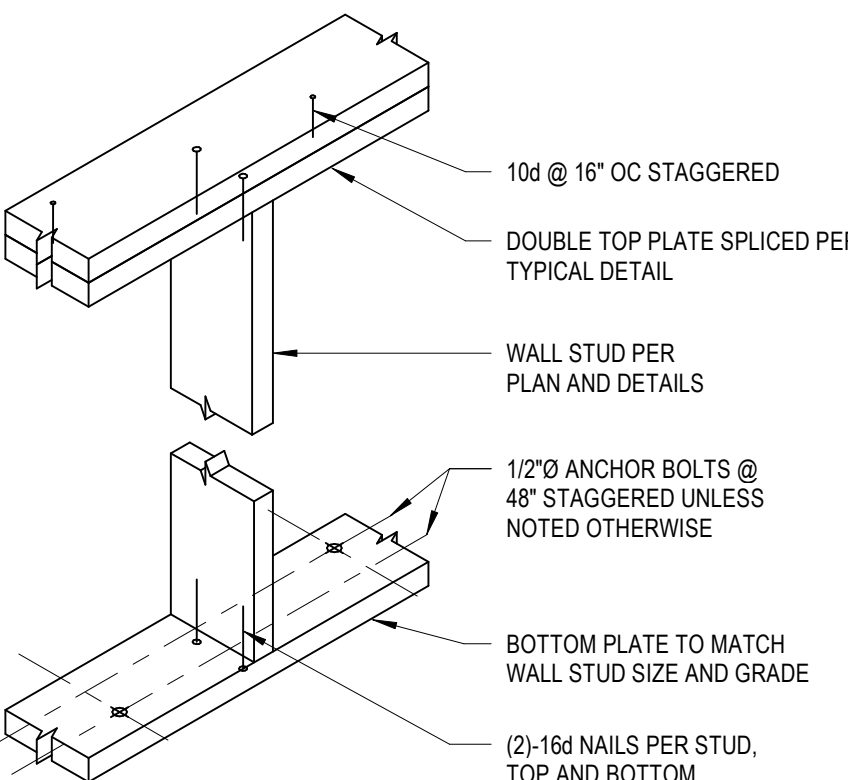
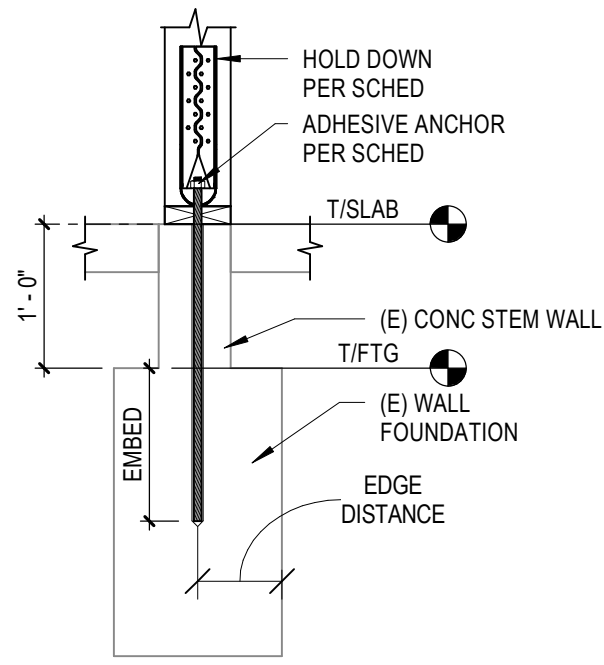


25 BUNDLED STUD SCHEDULE  
S6.1 SCALE: 3/4" = 1'-0"

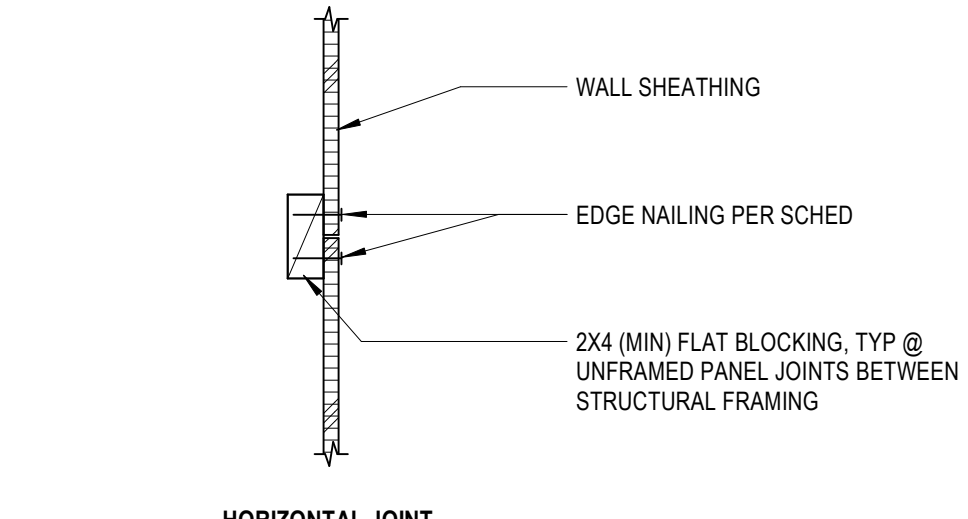
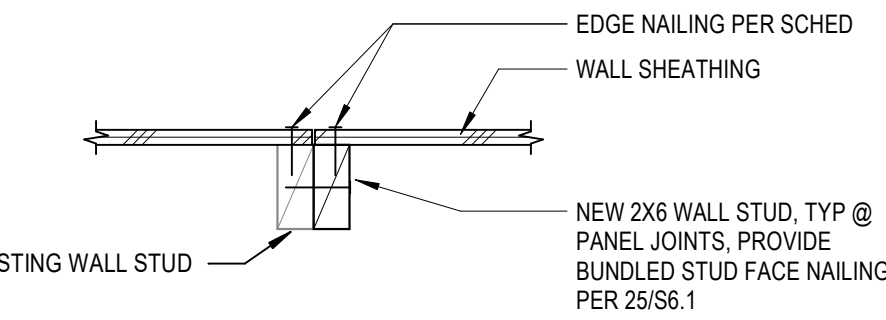
HOLD DOWN SCHEDULE, ANCHOR BOLT TYPES AND INSTALLATION CRITERIA							
HOLD DOWN MARK	HOLD DOWN TYPE	WOOD POST AND CONNECTION	HOLD DOWN CAPACITY	ANCHOR SIZE	ADHESIVE ANCHOR TO WALL FND		
MARK				DESIGN FORCE	DIAMETER (IN)	EMBED (IN)	EDGE DISTANCE (IN)
A	HDU11-SDS2.5	(3) 2x6	30-SDS 14x2.5	7,628	1	16	7
							5,250

- NOTES:
1. INSTALL HOLD DOWNS PER MANUFACTURER'S SPECIFICATIONS AND ICC REPORTS. INFORMATION TAKEN FROM THE SIMPSON C 2019 CATALOG.
  2. THE CONTRACTOR SHALL MATCH THE WIDTH OF THE STUD WALLS SHOWN ON THE ARCH DRAWINGS. MULTIPLE STUDS SHALL BE NAILED TOGETHER PER TYPICAL BUNDLED STUD SCHEDULE.
  3. SEE SHEAR WALL SCHEDULE DETAIL FOR SHEATHING EDGE NAILING REQUIREMENTS AT HOLD DOWN POSTS.
  4. THIS SCHEDULE ASSUMES 3,000 PSI CONCRETE OR BETTER AND DOUGLAS FIR POSTS.
  5. HOLD DOWN WOOD POSTS ABOVE ARE MINIMUM. SEE PLAN FOR ADDITIONAL POSTS.
  6. ANCHOR RODS SHALL BE ASTM F1554 GR36.
  7. END POSTS ARE TO BE FULL HEIGHT AND MAY REPLACE IN ADDITION TO KING STUDS REQUIRED PER TYPICAL DETAILS.
  8. PROVIDE EDGE NAILING ON OUTERMOST EDGE STUD IN BUNDLED CONDITIONS.

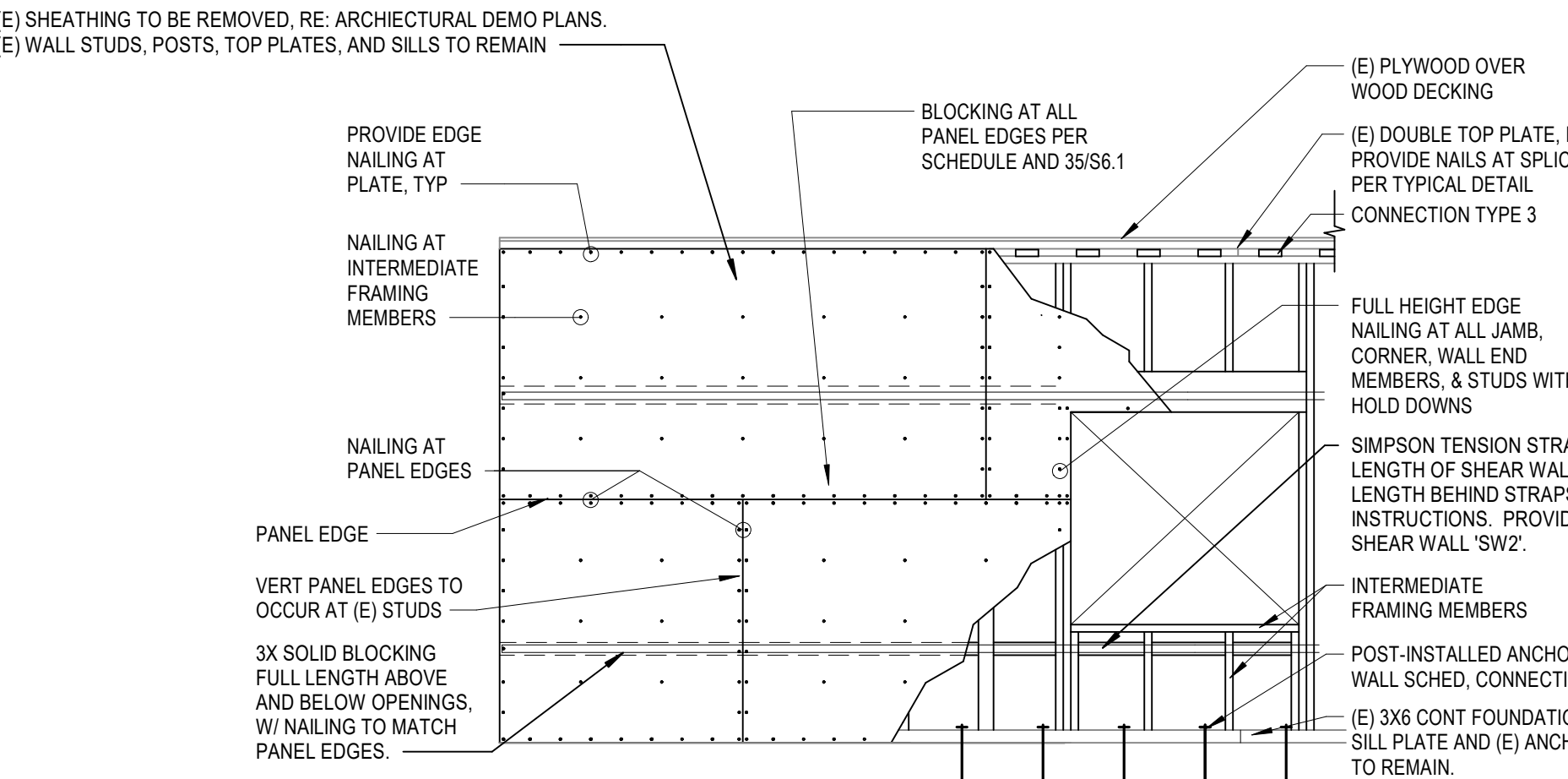
31 HOLD DOWN SCHEDULE  
S6.1 SCALE: 3/4" = 1'-0"



33 TYPICAL WOOD WALL STUD ANCHORAGE  
S6.1 SCALE: 1" = 1'-0"

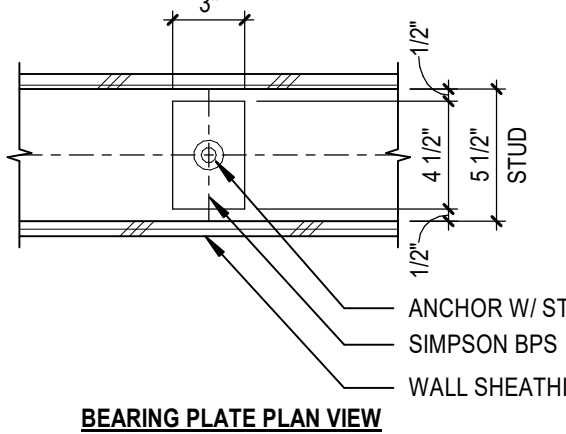


35 TYPICAL BLOCKING DETAIL  
S6.1 SCALE: 1 1/2" = 1'-0"



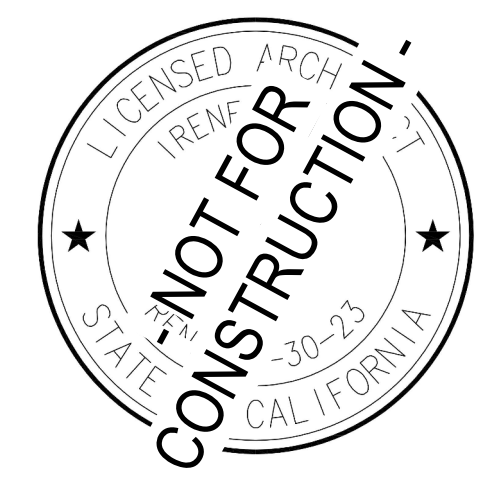
41 SHEAR WALL SCHEDULE - DOUGLAS FIR LARCH  
S6.1 NO SCALE

DOUGLAS FIR LARCH SHEAR WALL SCHEDULE						
FRAMING REQUIREMENTS		NAILING REQUIREMENTS		WALL BOTTOM PLATE CONNECTION		
SHEAR WALL TYPE	SHEATHING (NOTES 1,2)	FDM SILL PLATE, WALL STUDS OCCURRING AT ABUTTING PANEL EDGES, & BLOCKING (NOTES 4,5,6)	PANEL EDGES (NOTES 4,5)	INTERMEDIATE FRAMING MEMBERS	SILL TO CONCRETE BELOW (CONNECTION TYPE 2) (NOTES 6,7)	TEST LOAD (KIPS)
SW1	19/32" SHEATHING 1 SIDE	3x (E) SILL (2) 2x WALL STUDS	10d @ 3" OC	10d @ 12" OC	5/8" Ø x 8" EMBED AB @ 16" OC	1.00
SW2	19/32" SHEATHING 2 SIDE	3x (E) SILL (2) 2x WALL STUDS	10d @ 3" OC	10d @ 12" OC	5/8" Ø x 8" EMBED AB @ 16" OC	1.00
						CAPACITY (PLF)
						665
						1330



- NOTES:
1. SHEATHING TO BE APPLIED WITH THE LONG PANEL DIMENSION PERPENDICULAR TO WALL STUDS.
  2. WALL STUDS NOT OCCURRING AT ABUTTING PANEL EDGES MAY BE 2x.
  3. WALL BOTTOM PLATES OCCURRING ABOVE WOOD FRAMING MAY BE 2x.
  4. STAGGER NAILS AT ABUTTING PANEL EDGES.
  5. INSTALL BLOCKING AT PANEL EDGES NOT OCCURRING PLATES. PROVIDE DOUBLE VERTICAL STUDS AT VERTICAL PANEL EDGES. RE 35/S6.1.
  6. PROVIDE SIMPSON BPS TYPE BEARING PLATES OR EQUIVALENT ON ALL NEW ANCHOR BOLTS TO CONCRETE. PROVIDE BPS08-6 AT 2x6 WALLS POSITIONED PER DETAIL BELOW. PROVIDE STANDARD-CUT WASHER BETWEEN NUT AND BPS.
  7. ANCHOR BOLTS SHALL BE POST-INSTALLED ADHESIVE AND EMBEDMENT SHALL BE INTO EXISTING CONCRETE CURB. LOCATE ANCHOR BOLTS WITHIN 8" OF ENDS OF WALLS.
  8. FRAMING CLIPS SHALL BE SIMPSON A35, SIMPSON LT15, OR APPROVED EQUAL.
  9. DO NOT OVER DRIVE NAILS. REFER TO GENERAL NOTES.

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DSA APP: 01-119997  
DSA FILE: 07-C1

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CCCCD - Diablo Valley College  
591 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

STRUCTURAL DETAILS

S6.1



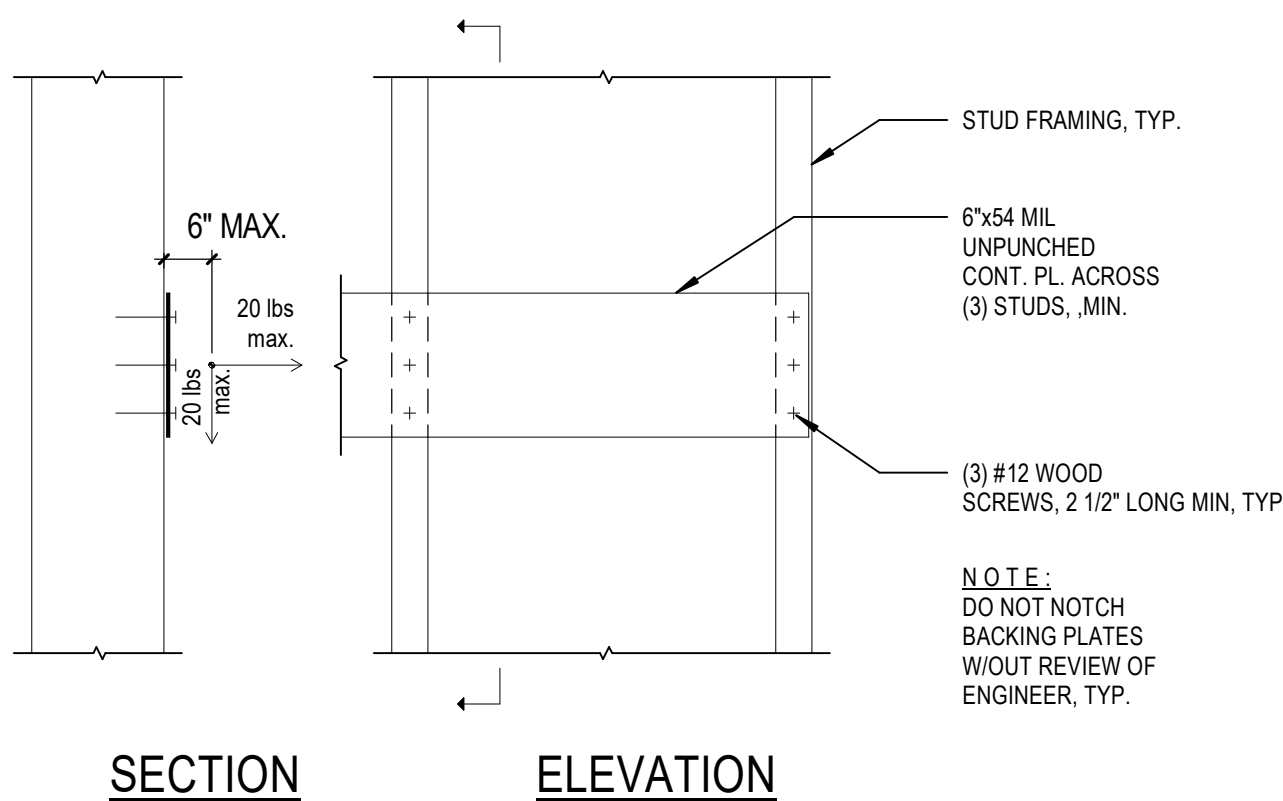
BM 360/75-21809-00 CCCC - Print Shop Relocation/75-21809-00\_Prin Shop\_ST\_2020.rvt  
3/31/2022 7:20:30 AM

CONNECTION	NAIL	LOCATION
JOIST TO SILL OR GIRDER	(3) - 8d COMMON	TOE NAIL
BRIDGING TO JOIST	(2) - 8d COMMON	TOE NAIL EACH END
1" X 6" SUBFLOOR OR LESS TO EACH JOIST	(2) - 8d COMMON	FACE NAIL
WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST	(3) - 8d COMMON	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	(2) - 16d COMMON	BLIND & FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16d COMMON @ 16" OC	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	(3) - 16d COMMON @ 16" OC	BRACED WALL PANELS
TOP PLATE TO STUD	(2) - 16d COMMON	END NAIL
STUD TO SOLE PLATE	(4) - 8d COMMON	TOE NAIL
STUD TO SOLE PLATE	(2) - 16d COMMON	END NAIL
DOUBLED STUDS	16d (3 1/2" x 0.135") @ 24" OC	FACE NAIL
DOUBLED TOP PLATE	16d (3 1/2" x 0.135") @ 16" OC	TYPICAL FACE NAIL
DOUBLED TOP PLATE	(8) - 16d COMMON	LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3) - 8d COMMON	TOE NAIL
RIM JOIST TO TOP PLATE	8d (2 1/2" x 0.131") @ 6" OC	TOE NAIL
TOP PLATES, LAPS AND INTERSECTIONS	(2) - 16d COMMON	FACE NAIL
BUILT UP HEADER, TWO PIECES	16d COMMON @ 16" OC	ALONG EDGE, FACE NAIL
CEILING JOISTS TO PLATE	(3) - 8d COMMON	TOE NAIL
CONTINUOUS HEADER TO STUD	(4) - 8d COMMON	TOE NAIL
CEILING JOISTS, LAPS OVER PARTITIONS	(3) - 16d COMMON	FACE NAIL (SEE TABLE 2308.10.4.1)
CEILING JOISTS TO PARALLEL RAFTERS	(3) - 16d COMMON	FACE NAIL (SEE TABLE 2308.10.4.1)
RAFTER TO PLATE	(3) - 10d COMMON	TOE NAIL
1" DIAGONAL BRACE TO EACH STUD AND PLATE	(2) - 8d COMMON	FACE NAIL
1" X 8" SHEATHING TO EACH BEARING	(3) - 8d COMMON	FACE NAIL
WIDER THAN 1" X 8" SHEATHING TO EACH BEARING	(3) - 8d COMMON	FACE NAIL
BUILT-UP CORNER STUDS	16d COMMON @ 24" OC	FACE NAIL
BUILT-UP GIRDER AND BEAMS	20d COMMON @ 32" OC	FACE NAIL AT TOP AND BOT STAGGERED ON OPPOSITE SIDES
	(2) - 20d COMMON	FACE NAIL AT ENDS AND AT EACH SPLICE
2" PLANKS	16d COMMON	AT EACH BEARING
COLLAR TIE TO RAFTER	(3) - 10d COMMON	FACE NAIL
JACK RAFTER TO HIP	(3) - 10d COMMON	TOE NAIL
ROOF RAFTER TO 2-BY RIDGE BEAM	(2) - 16d COMMON	FACE OR TOE NAIL
JOIST TO BAND JOIST	(3) - 16d COMMON	EACH JOIST, FACE NAIL

- NOTES:  
1. USE NAILING SHOWN UNLESS NOTED OTHERWISE ELSEWHERE IN THESE DRAWINGS.  
2. WHERE NAILING SHOWN DIFFERS FROM OTHER NAILING REQUIREMENTS IN THESE DRAWINGS OR NAILING REQUIREMENTS IN THE BUILDING CODE, USE MORE STRINGENT REQUIREMENT.

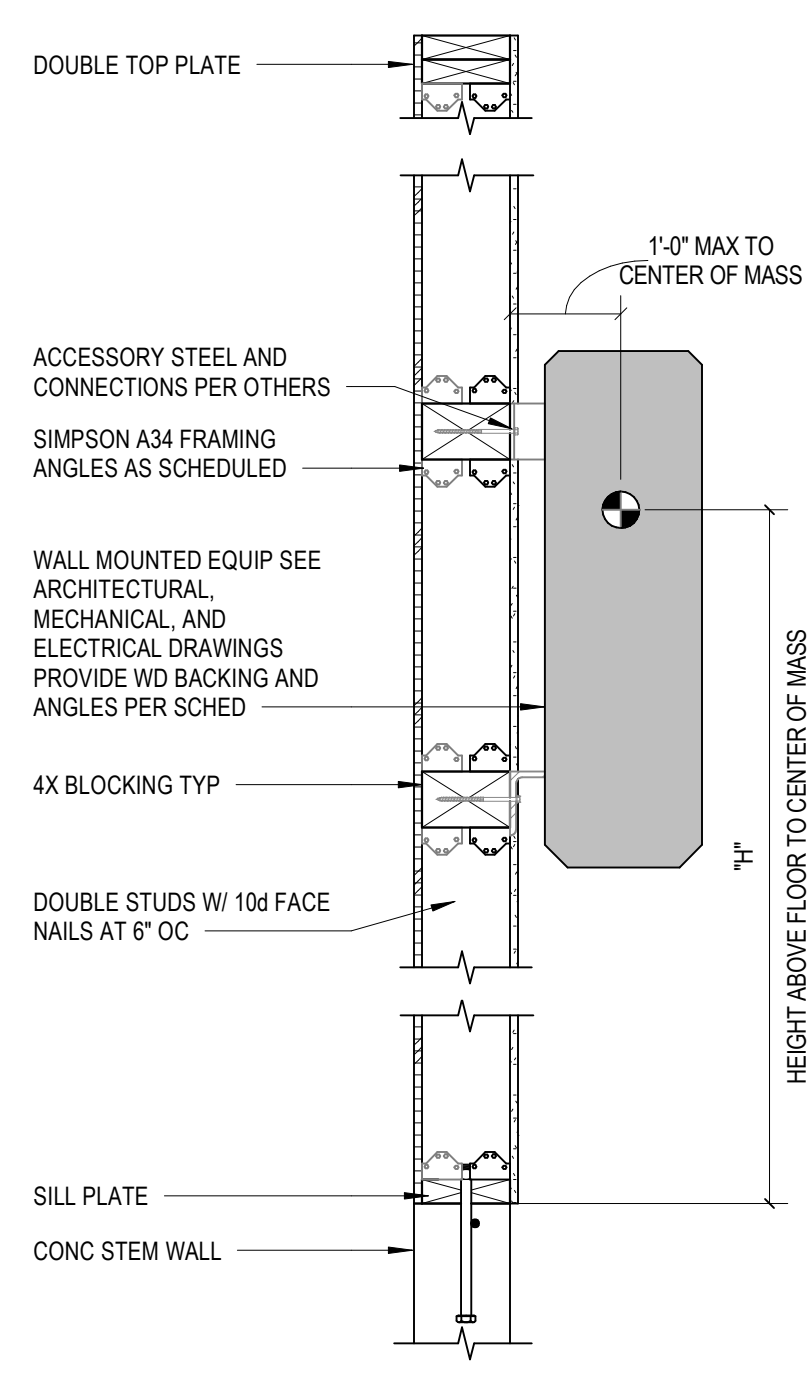
41 TYPICAL NAILING SCHEDULE

S6.2 SCALE: 3/4" = 1'-0"



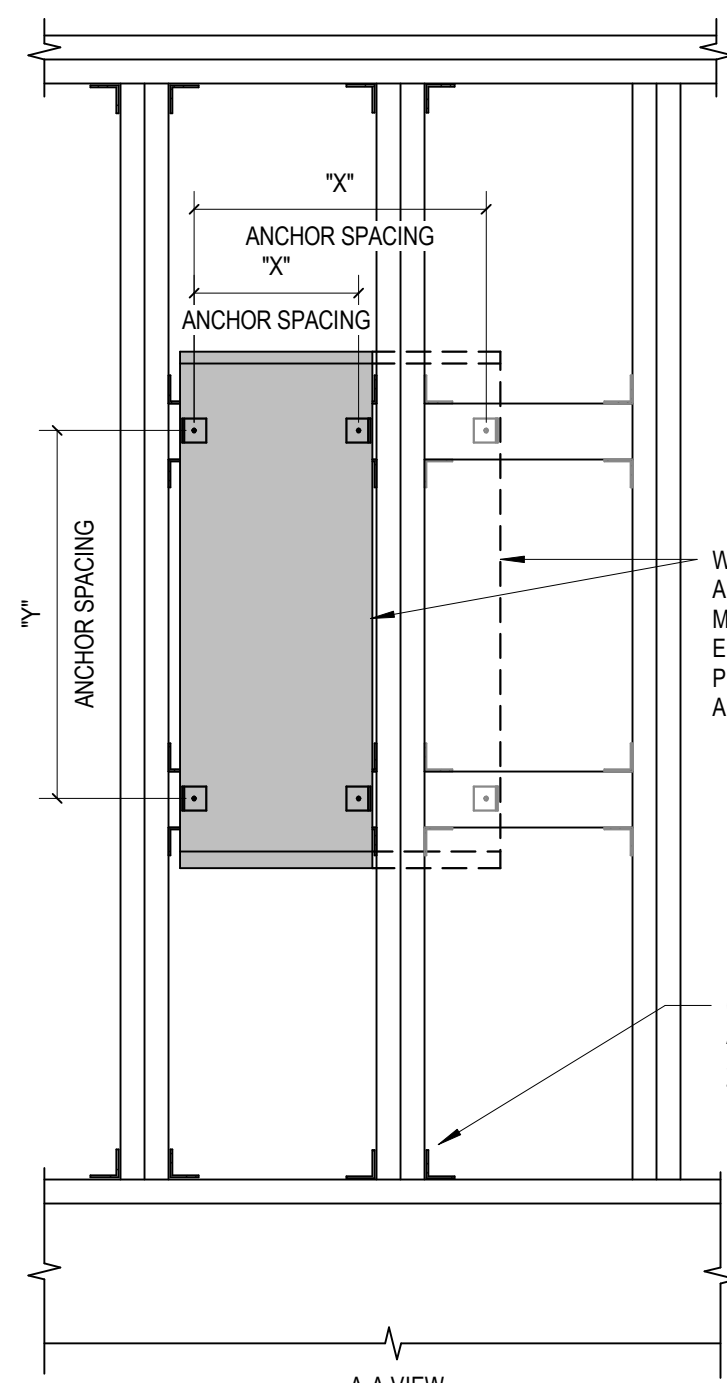
22 TYPICAL WALL BACKING - WOOD

S6.2 SCALE: 1 1/2" = 1'-0"

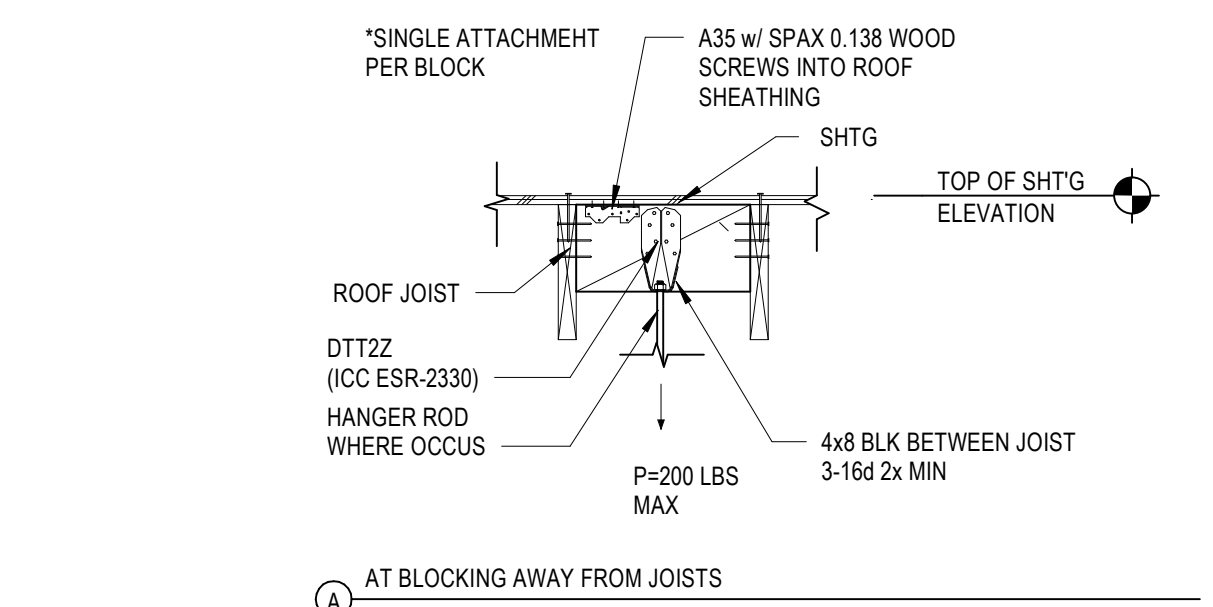


23 TYPICAL WALL EQUIPMENT BACKING - WOOD

S6.2 SCALE: 1" = 1'-0"

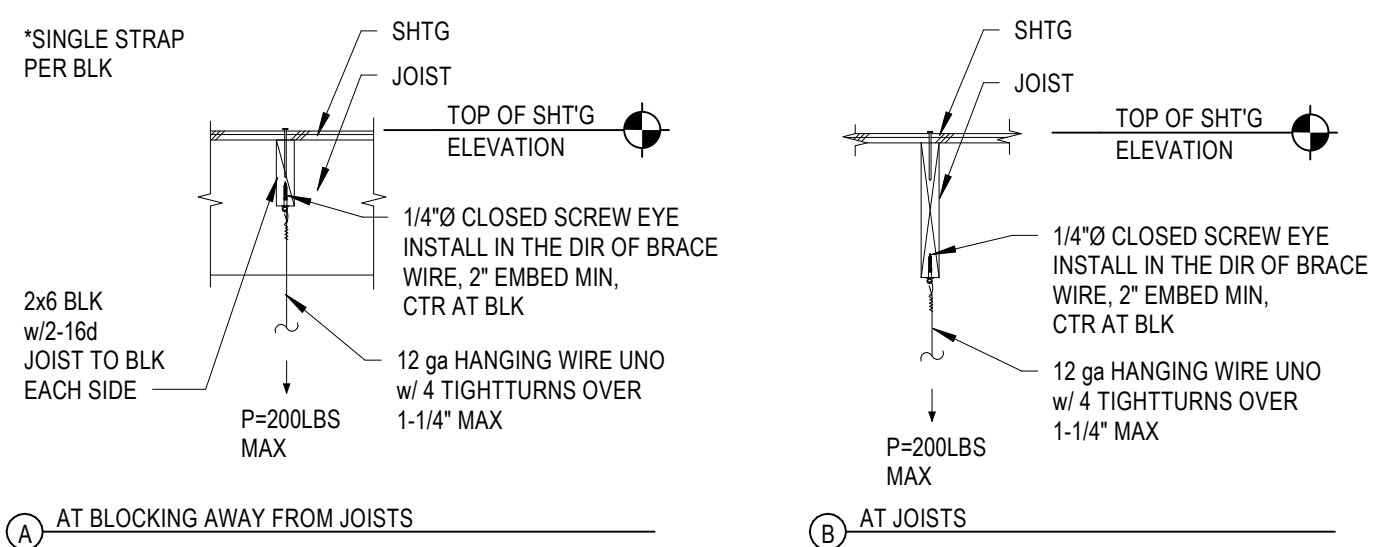


NON-STRUCTURAL EQUIPMENT WITH H=18'-0"  
WEIGHT<250 LBS OR WEIGHT<100 PLF (1) SIMPSON A34 EA SIDE TOP & BOT W/ (8) 8D NAILS EA ANGLE  
WEIGHT<800 LBS OR WEIGHT<300 PLF (2) SIMPSON A34 EA SIDE TOP & BOT W/ (8) 8D NAILS EA ANGLE



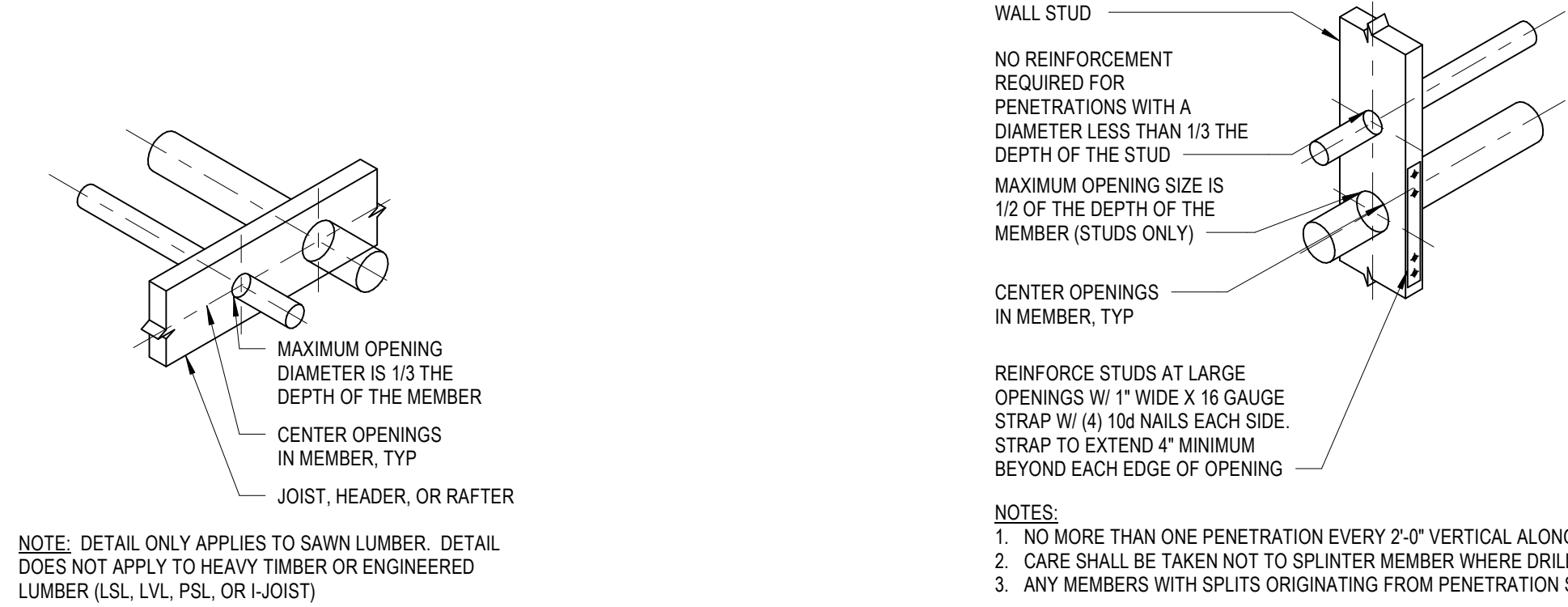
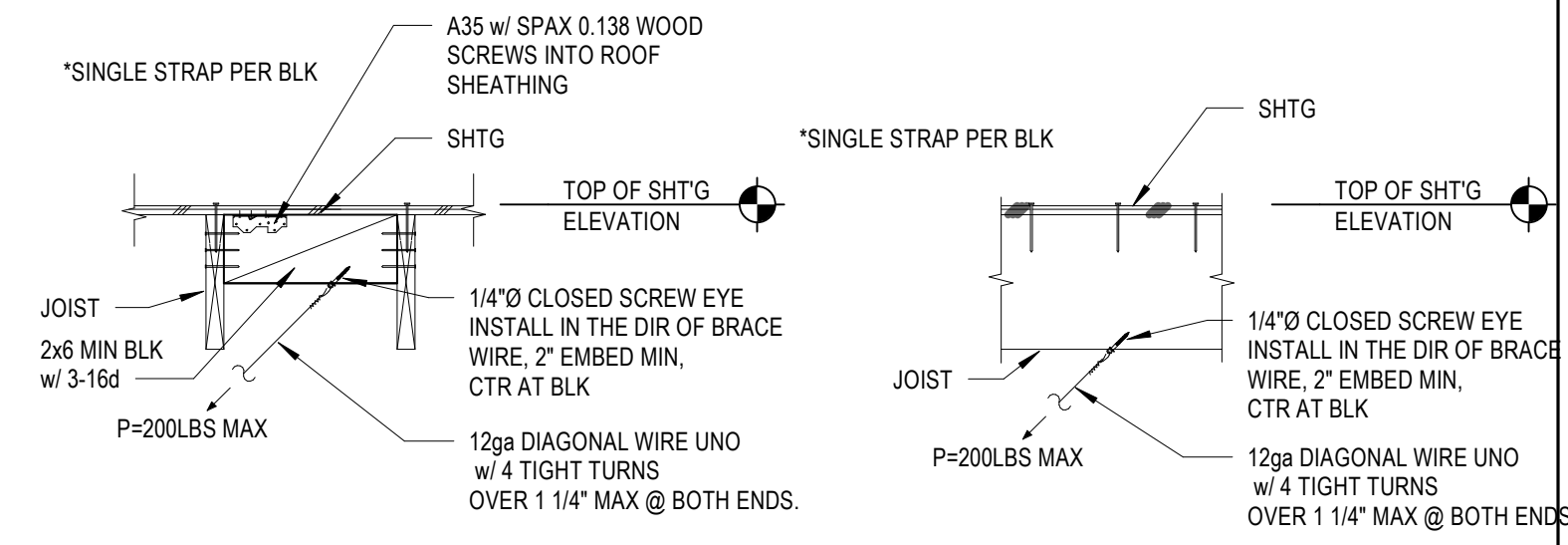
15 TYPICAL HANGER ROD AT WOOD JOIST DETAIL

S6.2 SCALE: 3/4" = 1'-0"



24 TYPICAL HANGING WIRE CONNECTION AT WOOD DETAIL

S6.2 SCALE: 3/4" = 1'-0"

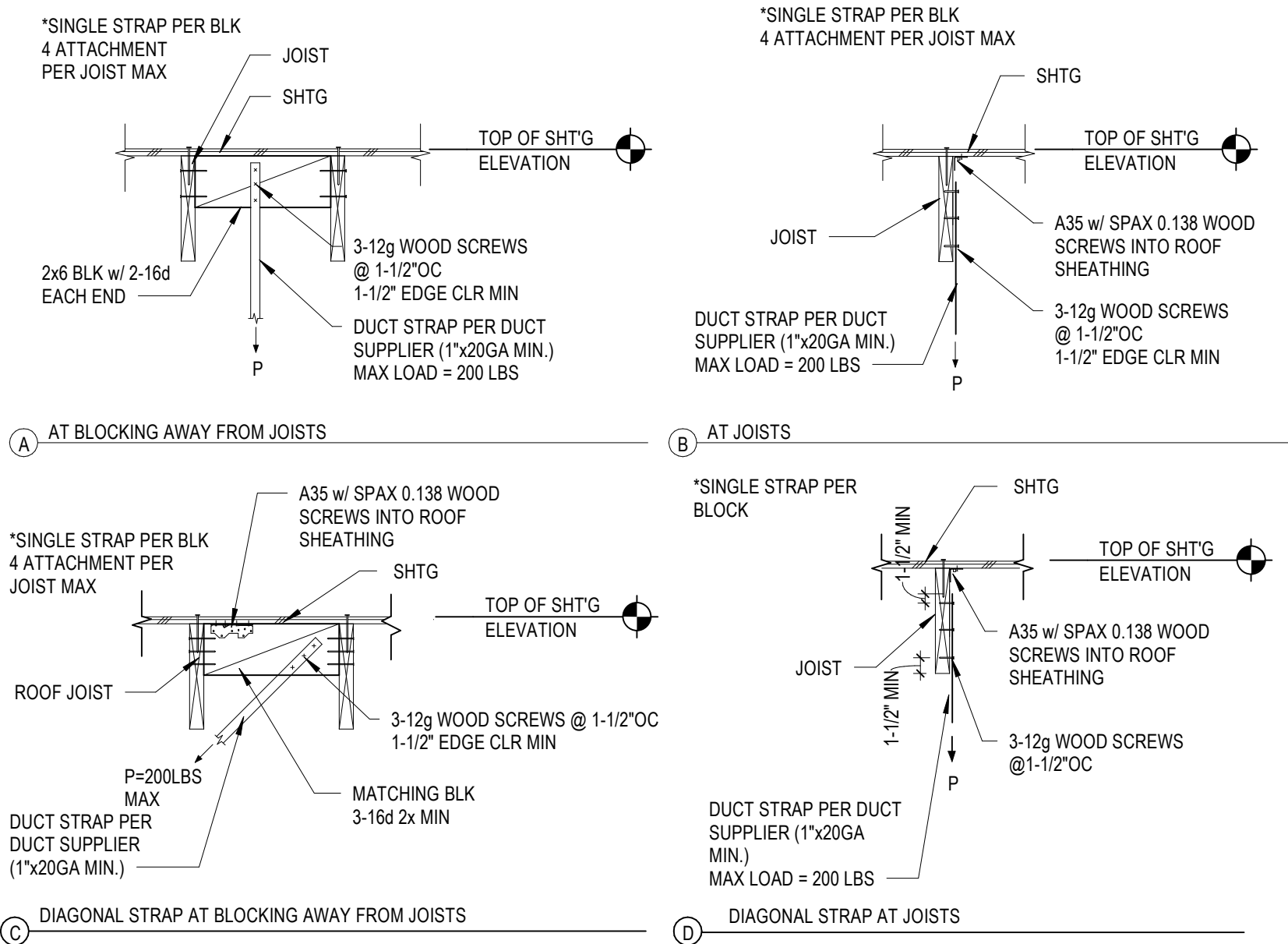


33 TYPICAL WOOD JOIST PENETRATION

S6.2 SCALE: 1" = 1'-0"

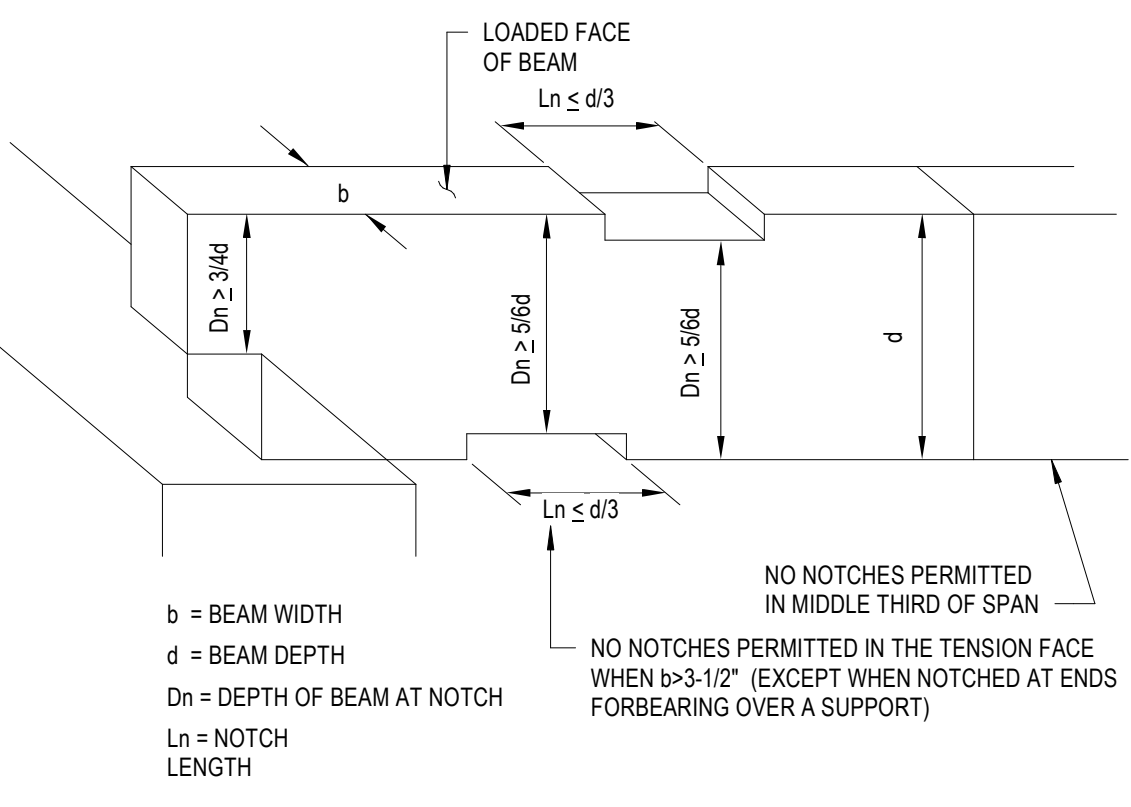
34 TYPICAL WALL STUD PENETRATION DETAILS

S6.2 SCALE: 1" = 1'-0"



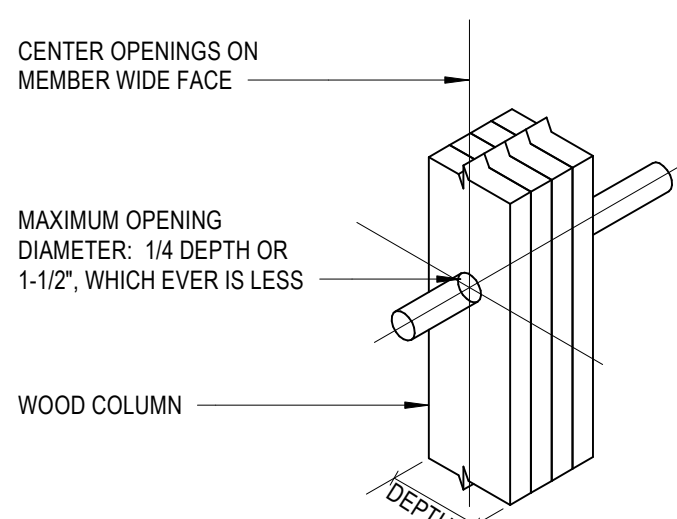
43 TYPICAL DUCT STRAP ANCHORAGE TO WOOD FRAMING DETAIL

S6.2 SCALE: 3/4" = 1'-0"



44 TYPICAL NOTCH LIMITATIONS FOR SAWN LUMBER

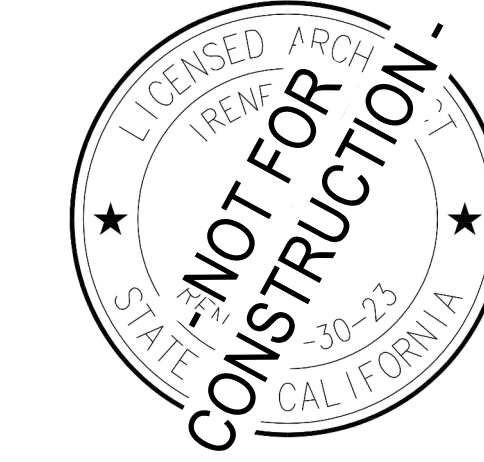
S6.2 SCALE: 3/4" = 1'-0"



35 TYPICAL WOOD COLUMN PENETRATION DETAIL

S6.2 SCALE: 1" = 1'-0"

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BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
75-21809-00

STRUCTURAL DETAILS

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ABBREVIATIONS

(D)	DEMOLISHED	HTWR	HIGH TEMPERATURE HOT WATER RETURN
(E)	EXISTING	HTWS	HIGH TEMPERATURE HOT WATER SUPPLY
(R)	RELOCATED	HUM	HUMIDIFIER
°C	DEGREES CELSIUS	HV	HEATING VENTILATING UNIT
°F	DEGREES FAHRENHEIT	HVAC	HEATING VENTILATING AND AIR CONDITIONING
Ø	DIAMETER	HWR	HEATING WATER RETURN
		HWS	HEATING WATER SUPPLY
A	AMPERE	HX	HEAT EXCHANGER
A/C	AIR CONDITIONING(ER)	HZ	HERTZ (FREQUENCY)
ABC	ASSOCIATED AIR BALANCE COUNCIL		
AAV	AUTOMATIC AIR VENT	IAQ	INDOOR AIR QUALITY
ACC	ACCESSIBLE	IAW	IN ACCORDANCE WITH
ACCU	AIR COOLED CONDENSING UNIT	ID	INSIDE DIAMETER
AD	ACCESS DOOR	IH	INTAKE HOOD
ADJ	ADJUSTABLE	INSUL	INSULATION
AF	AIR FILTER		
AHRI	AIR-CONDITIONING HEATING AND REFRIGERATION INSTITUTE	KH	KITCHEN HOOD
AHU	AIR HANDLING UNIT	LAT	LEAVING AIR TEMPERATURE
AMB	AMBIENT	LF	LINEAR FOOT
AMBA	AMERICAN BOILER MANUFACTURERS ASSOCIATION	LG	LENGTH (LONG)
AMP	AMPERE	LIN	LINEAR
AP	ACCESS PANEL	LPQ	LIQUID OXYGEN
AS	AIR SEPARATOR	LPR	LOW PRESSURE STEAM RETURN
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	LPS	LOW PRESSURE STEAM SUPPLY
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS	LTD	LINED TRANSFER DUCT
		LV	LOUVER
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	LVG	LEAVING
AUTO	AUTOMATIC	MA	MIXED AIR
AV	ACID VENT	MAINT	MAINTENANCE
		MAN	MANUAL
B	BOILER	MATL	MATERIAL
BAS	BUILDING AUTOMATION SYSTEM	MAU	MAKEUP AIR UNIT
BAT	BATTERY	MAUV	MANUAL AIR VENT
BBO	BOILER BLOW OFF	MBH	THOUSAND BTU PER HOUR
BBC	BALANCING COCK	MBFRQ	MANUFACTURING
BC	BARE COPPER	ML	MOTORIZED LOUVER
BDD	BACK DRAFT DAMPER	MPG	MEDIUM PRESSURE GAS
BF	BOILER FEED	MTD	MOUNTED
BFF	BELOW FINISH FLOOR	MTQ	MOUNTING
BFV	BUTTERFLY VALVE	MTWR	MEDIUM TEMP HOT WATER RETURN
BHP	BREAK HORSEPOWER	MTWS	MEDIUM TEMP HOT WATER SUPPLY
BLKG	BLOCKING		
BLKHD	BULKHEAD	N.C.	NORMALLY CLOSED
BMS	BUILDING MANAGEMENT SYSTEM	N.O.	NORMALLY OPEN
BOD	BOTTOM OF DUCT	NEC	NATIONAL ELECTRIC CODE
BOT	BOTTOM	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSN.
BPJP	BOILER PLANT INSTRUMENTATION PANEL	NO	NUMBER
BTU	BRITISH THERMAL UNIT	NOM	NOMINAL
BTUH	BRITISH THERMAL UNIT PER HOUR		
		O&M	OPERATION AND MAINTENANCE
CA	CONDUIT	OA	OUTSIDE AIR
CAP	CAPACITY	OD	OUTSIDE DIAMETER
CEN	CENTRIFUGAL	P	PUMP
CF	CUBIC FEET	PBT	PRESSURE/TEMPERATURE TEST PORT
CFH	CUBIC FEET PER HOUR	PB	PUSH BUTTON
CFM	CUBIC FEET PER MINUTE	PCF	POUNDS PER CUBIC FOOT
CH	CHILLER	PD	PRESSURE DROP
CIRC	CIRCULATING	PERF	PERFORATED
CLR	CLEAR	PERP	PERPENDICULAR
CO	CARBON MONOXIDE	PG	PRESSURE GAUGE
CO2	CARBON DIOXIDE	PI	POINT OF INTERSECTION
COMB	COMBINATION	PJ	PRESSURE INDICATOR
CONV	CONVECTOR	PL	PLATE
CP	CONDENSATE PUMP	PLBG	PLUMBING
CPS	CYCLES PER SECOND	PNEU	PNEUMATIC
CR	CONDENSER WATER RETURN	PNL	PANEL
CRAC	CORROSION RESISTANT	POC	POINT OF CONNECTION
CS	COUNTERSINK	PR	PAIR
CT	CONDENSER WATER SUPPLY	PSI	POUNDS PER SQUARE INCH
CTL	COOLING TOWER	PVC	POLYVINYL CHLORIDE
CU	CONTROL	PWR	POWER
CUH	CABINET UNIT HEATER	RA	RETURN AIR
CWR	CHILLED WATER RETURN	RAD	RADIUS
CWS	CHILLED WATER SUPPLY	RAD	RADIATOR
CYL	CYLINDER	RAD	RADIATED
		RCP	REFLECTED CEILING PLAN
		RCU	RECIPROCATING CHILLER UNIT
		RD	REFRIGERANT DISCHARGE
D	DIFFUSER	REFR	REFRIGERANT
DB	DECIBEL	REG	REGISTER
DB	DRY BULB	REM	REMOVABLE
DBL	DOUBLE	RESP	RESPONSIVE
DC	DUST COLLECTOR	RF	RETURN FAN
DEPT	DEPARTMENT	RH	RELATIVE HUMIDITY
DH	DUCT HEATER	RH	REFUEL HOOD
DI	DISTILLED WATER	RHC	REHEAT COIL
DIAG	DIAGONAL	RHG	REFRIGERANT HOT GAS
DIC	DISCHARGE	RL	REFRIGERANT LIQUID
DISCH	DISCHARGE	RL	REFRIGERANT LIQUID
DISTR	DISTRIBUTION	RP	REVOLUTIONS PER MINUTE
DSTB	DISTRIBUTED	RS	REFRIGERANT SUCTION
		RTU	ROOF TOP UNIT
EA	EACH	S	SMOKE DAMPER
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EDH	ELECTRIC DUCT HEATER	SC	SECURITY
EER	ENERGY EFFICIENCY RATIO	SD	SMOKE DAMPER
EF	EXHAUST FAN	SD	SMOKE DETECTOR
EFF	EFFICIENCY	SD	SOAP DISPENSER
EFF	EFFICIENCY	SEL	STEAM EXHAUST VENT
EH	ELECTRICAL HEATER	SP	SINGLE
ELEV	ELEVATOR	SP	STATIC PRESSURE (H2O)
EMER	EMERGENCY	SPD	SURGE PROTECTION DEVICE
ENCL	ENCLOSURE	SQ	SQUARE
ENT	ENTERING	SS	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	STOR	STORAGE
EST	ESTIMATE	SUSP	SUSPENDED
ET	EXPANSION TANK	SV	SOLENOID VALVE
EWT	ENTERING WATER TEMPERATURE	SWP	STEAM WORKING PRESSURE
EXH	EXHAUST		
EXP	EXPOSED	T	THERMOSTAT
		T&B	TOP AND BOTTOM
		TA	TRANSFER AIR
F	FAHRENHEIT	TB	TERMINAL BOX
F.V.	FURNACE	TC	TEMPERATURE CONTROL
FA	FACE	TD	TRANSFER DUCT
FAB	FABRICATE(D)	TEMP	TEMPERATURE
FCU	FAN COIL UNIT	THK	THICK(NESS)
FD	FIRE DAMPER	TD	TOP OF DUCT
FF	FINISH FLOOR	TS	TEMPERATURE SENSOR
FLEX	FLEXIBLE	TSP	TOTAL STATIC PRESSURE
FME	FLOW MEASURING EQUIPMENT	TT	TEMPERATURE TRANSMITTER
FFM	FEET PER MINUTE		
FS	FLOW SWITCH	UC	UNIT COOLER
FSD	FIRE SMOKE DAMPER	UG	UNDERGROUND
FT	FIN TUBE	UH	UNIT HEATER
		UL	UNDERWRITERS LABORATORIES
		UV	UNIT VENTILATOR
G	GRILLE	V	VOLT
GAL	GALLON	VA	VOLT-AMPERE
GALV	GALVANIZED	VA	VALVE
GFL GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VAC	VACUUM
GHR	GLYCOL-WATER HEATING RETURN	VAV	VARIABLE AIR VOLUME
GHS	GLYCOL-WATER HEATING SUPPLY	VD	VOLUME DAMPER
GPD	GALLONS PER DAY	VEL	VELOCITY
GPH	GALLONS PER HOUR	VENT	VENTILATOR(ION)
GPM	GALLONS PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
GV	GATE VALVE	VOL	VOLUME
		VP	VACUUM PUMP
		VSP	VARIABLE SPEED MOTOR CONTROLLER
HCR	HOT/CHILLED WATER RETURN		
HCS	HOT/CHILLED WATER SUPPLY	W	WIDE
HGR	HANGER	W	WATT
HD	HIGH INTENSITY DISCHARGE	WB	WET BULB
HP	HORSE POWER	WC	WATER COLUMN
HP	HEAT PUMP	WCC	WATER COOLED CONDENSER
HP	HIGH PRESSURE	WFMD	WATER FLOW MEASURING DEVICE
HPR	HIGH PRESSURE STEAM RETURN	WH	WATER HEATER
HPS	HIGH PRESSURE STEAM SUPPLY	WLR	WATER LOOP RETURN
HR	HOUR	WLS	WATER LOOP SUPPLY
HTG	HEATING	WP	WEATHERPROOF
HTR	HEATER	WT	WEIGHT

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MO.10.28	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.29	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.30	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.31	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.32	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.33	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.34	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.35	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.36	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.37	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.38	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.39	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.40	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.41	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.42	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.43	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.44	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.45	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.46	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.47	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.48	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.49	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.50	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.51	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.52	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.53	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
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MO.10.61	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
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MO.10.71	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
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MO.10.82	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.83	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
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MO.10.88	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.89	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.90	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
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MO.10.92	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.93	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.94	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.95	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.96	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.97	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.98	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.99	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN
MO.10.100	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01- HVAC PLAN

GENERAL SYMBOLS	
	POINT OF DISCONNECT - DEMOLITION REMOVED FROM EXISTING
	POINT OF CONNECTION - NEW CONNECTS TO EXISTING
	AREA NOT IN CONTRACT

GENERAL NOTES

- REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
- REFER TO PLUMBING SERIES DRAWINGS FOR GAS AND A.C. CONDENSATE DRAIN PIPING.
- PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
- REFER TO PLUMBING SERIES DRAWINGS FOR GAS AND A.C. CONDENSATE DRAIN PIPING.
- PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
- FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.

GENERAL HVAC NOTES

- SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
- CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 48" AFF MAX. A MINIMUM OF 8" FROM LIGHT SWITCH.
- REFER TO PIPING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
- CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.
- ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
- THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

HVAC SYMBOLS		
SCHEMATIC	3D	DESCRIPTION
		GAS FLUE EXHAUST AIR
		GENERAL EXHAUST AIR
		GREASE EXHAUST AIR
		RELIEF AIR
		SMOKE EXHAUST AIR
		ENERGY RECOVERY AIR
		RETURN AIR
		TRANSFER AIR
		COMBUSTION AIR
		OUTSIDE AIR
		SUPPLY AIR
		DIFFUSER (SUPPLY)
		GRILLE (RETURN)
		GRILLE (EXHAUST)
		WALL REGISTER
		LINEAR DIFFUSER (SLOT)
		AIR FLOW MEASURING STATION
		BACKDRAFT DAMPER
		BAROMETRIC RELIEF DAMPER
		DIFFERENTIAL PRESSURE SENSOR
		DUCT DETECTOR
		MOTORIZED DAMPER
		PRESSURE REDUCING DAMPER
		SECURITY BARS
		STATIC PRESSURE SENSOR
		VOLUME DAMPER
		REMOTE VOLUME DAMPER
		FIRE DAMPER
		COMBINATION FIRE / SMOKE DAMPER
		SMOKE DAMPER
		ROUND DUCT UP
		RECTANGULAR DUCT UP
		OVAL DUCT UP
		ROUND DUCT DOWN
		RECTANGULAR DUCT DOWN
		OVAL DUCT DOWN
		MITERED ELBOW WITH VANES
		MITERED



PART 1-GENERAL

1.01 GENERAL CONDITIONS

A. GENERAL DESCRIPTION:

1. AIR CONDITIONING FOR INDICATED AREA COMPLETE WITH SUPPLY DUCTS, RETURN AIR DUCTS, AIR DISTRIBUTION EQUIPMENT AND CONTROLS.
2. AIR CONDITIONING UNITS COMPLETE WITH REQUIRED SUPPLY FANS, COOLING COILS, FILTERS, DUCTWORK, DIFFUSERS, GRILLES, DAMPERS, CONTROLS AND OTHER ITEMS HEREIN SPECIFIED.
3. VENTILATION OF MISCELLANEOUS ROOMS WITH EXHAUST FANS, DUCTING AND CONTROLS.
4. REMOVAL OF EXISTING DUCTWORK AND PIPING AS INDICATED ON THE DRAWINGS.

1.02 RELATED WORK INCLUDED IN THIS SECTION

- A. FURNISH ELECTRICAL DEVICES NECESSARY FOR MECHANICAL WORK, EXCEPT DISCONNECTS UNLESS INDICATED OTHERWISE.
- B. LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS INCLUDING FINAL CONNECTIONS.
- C. CONDUIT FOR LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS.
- D. RESPONSIBILITY FOR OBTAINING CLARIFICATION OF DISCREPANCIES BETWEEN MECHANICAL AND ELECTRICAL WORK PRIOR TO PROCEEDING WITH THE WORK.
- E. RESPONSIBILITY FOR PROPER OPERATION OF AUTOMATIC PNEUMATIC/ELECTRIC CONTROLS AND EQUIPMENT AND OF ELECTRIC POWER DRIVEN EQUIPMENT FURNISHED UNDER THIS SECTION.
- F. MISCELLANEOUS STEEL FOR DUCTS AND PIPES HANGERS AND SUPPORTS INCLUDING STRUCTURAL CALCULATIONS PREPARED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER.

1.03 RELATED WORK SPECIFIED IN OTHER SECTIONS

- A. CONCRETE WORK INCLUDING MISCELLANEOUS METAL IN CONNECTION WITH PITS, TRENCHES AND CATCH BASINS WITH FOUNDATIONS OR CONCRETE PADS UNDER ROOFTOP PACKAGE UNITS, BOILER UNITS, PUMP AND OTHER MECHANICAL EQUIPMENT. TEMPLATES FOR SPACING AND SIZES OF CONCRETE PADS AND ANCHOR BOLTS UNDER THIS SECTION.
- B. ELECTRICAL WORK AS FOLLOWS WILL BE PROVIDED ELECTRICAL CONTRACT SCOPE:
  1. CONDUIT FOR LINE WIRING FOR EQUIPMENT AND DEVICES AS INDICATED OR SPECIFIED EXCEPT CONDUIT FOR LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS AS SPECIFIED UNDER DIVISION 26.
  2. LINE WIRING FOR EQUIPMENT AND DEVICES AS INDICATED OR SPECIFIED HEREIN EXCEPT LINE AND LOW VOLTAGE WIRING FOR MECHANICAL CONTROLS AS SPECIFIED UNDER DIVISION 26.
  3. PROVIDING DISCONNECTS.
  4. INSTALLING ELECTRICAL DEVICES SUCH AS STARTERS AND DISCONNECTS, AND WHEN INDICATED, FURNISHING ALL SUCH DEVICES.
- C. BUILDING MANAGEMENT AND CONTROL SYSTEM TEMPERATURE CONTROLS.

1.04 SUBMITTALS

- A. SHOP DRAWINGS: BEFORE ANY OF THE MATERIALS OF THIS SECTION ARE DELIVERED AT THE JOBSITE, SUBMIT COMPLETE SHOP DRAWINGS. SHOW ALL DETAILS OF ALL DUCTWORK, PIPING AND EQUIPMENT PADS. THE SHOP DRAWINGS SHALL REPRESENT A COORDINATED SET OF DRAWINGS WITH OTHER DISCIPLINES.
- B. PRODUCT DATA:
  1. SUBMIT COPIES OF ALL MANUFACTURERS PRODUCT DATA SIMULTANEOUSLY WITH ALL SHOP DRAWING SUBMITTALS.
  2. PRODUCT DATA TO INCLUDE ALL AIR CONDITIONING EQUIPMENT: FANS, DUCTWORK CONSTRUCTION, PIPING, AND OTHER STANDARD ITEMS AS REQUIRED TO COMPLEMENT SHOP DRAWINGS FOR A SUBMITTAL INDICATING ALL PRODUCTS TO BE USED ON THIS WORK.
  3. MANUFACTURERS AND SUPPLIERS OF EQUIPMENT SHALL PROVIDE ALL DATA NECESSARY FOR COMPLIANCE WITH THE STATE OF CALIFORNIA ENERGY EFFICIENCY CODE. COMPLIANCE CERTIFICATION FOR ALL EQUIPMENT SHALL BE INCLUDED IN EQUIPMENT SUBMITTALS.
  4. RECORD DRAWINGS: MAINTAIN THROUGHOUT THE PROGRESS OF THE WORK PROJECT RECORD DRAWINGS AND SUBMIT TO THE ARCHITECT AT COMPLETION OF WORK.
  - D. OPERATING MANUALS AND MAINTENANCE MANUALS:
    1. SUBMIT COPIES OF ALL OPERATING INSTRUCTIONS AND MAINTENANCE MANUALS.
    2. FULLY INSTRUCT OWNER OPERATING PERSONNEL AND DEMONSTRATE PERFORMANCE, OPERATION AND MAINTENANCE OF EQUIPMENT. AMOUNT OF TIME ALLOCATED FOR SAID INSTRUCTION AND DEMONSTRATIONS OF EQUIPMENT AND SYSTEMS SHALL BE PART OF THESE OBLIGATIONS. SUBMIT A LETTER TO ARCHITECT SIGNED BY OWNER REPRESENTATIVE WHO WILL OPERATE SYSTEM STATING THAT HE IS FULLY INSTRUCTED BY CONTRACTOR ABOUT OPERATION AND MAINTENANCE OF EQUIPMENT AND SYSTEM.
    3. SUBMIT ONE ADDITIONAL SET OF APPROVED INSTRUCTIONS AND ONE ADDITIONAL SET OF APPROVED 11 INCH X 17 INCH CONTROL DIAGRAMS SUITABLY FRAMED BEHIND GLASS FOR MOUNTING AS DIRECTED.

1.05 PRODUCT HANDLING

- A. PROTECTION: TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS OF THIS SECTION BEFORE, DURING, AND AFTER INSTALLATION.
- B. REPLACEMENTS: IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO OWNER.

1.06 JOB CONDITIONS

- A. EXAMINATION OF THE SITE: EXAMINE THE SITE AND INCLUDE ALL CONDITIONS IN BID PROPOSAL UNDER WHICH WORK IS TO BE PERFORMED.

1.07 MISCELLANEOUS

- A. LOCATIONS AND ACCESSIBILITY: CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACES AVAILABLE FOR INSTALLATION OF WORK UNDER THIS SECTION. VALVES, MOTORS, CONTROLS AND OTHER DEVICES REQUIRING SERVICE, MAINTENANCE AND ADJUSTMENT SHALL BE FULLY ACCESSIBLE POSITIONS AND LOCATIONS. PROVIDE ACCESS DOORS WHERE REQUIRED IN DUCTWORK OR CONSTRUCTION WHETHER SPECIALLY DETAILED OR NOT, AND RENDR ALL SUCH DEVICES ACCESSIBLE.
- B. DRAWINGS INDICATE DESIRED LOCATION AND ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT AND OTHER ITEMS, AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. ALL OFFSETS AND INTERFERENCES MAY NOT BE INDICATED DUE TO THE SCALE OF THE DRAWINGS. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COORDINATING WORK WITH ALL OTHER TRADES. WORK SPECIFIED AND NOT CLEARLY DEFINED BY THE DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY TO ARCHITECT. IN THE EVENT CHANGES IN INDICATED LOCATIONS AND ARRANGEMENTS ARE DEEMED NECESSARY BY ARCHITECT, THEY SHALL BE MADE BY CONTRACTOR WITHOUT ADDITIONAL CHARGES PROVIDED THE CHANGE IS ORDERED BEFORE WORK IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

PART 2-PRODUCTS

2.01 PIPE HANGERS

- A. HANGERS SHALL BE COMPLETE WITH THREADED STEEL RODS AND VIBRATION ISOLATORS, SOUND AND ELECTROLYSIS ISOLATORS AS REQUIRED AND HEREINAFTER SPECIFIED. CONCRETE INSERTS SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION.
- B. 2-1/2 INCHES AND SMALLER: GRINNELL 104 OR APPROVED EQUAL.
- C. 3 INCHES AND LARGER: GRINNELL 280.
- D. CONCRETE INSERTS: GRINNELL 280.

2.02 INSULATION

- A. ALL INSULATION SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS, TITLE 24.
- B. INSTALL PIPE INSULATION AFTER PIPING IS INSTALLED, TESTED AND APPROVED, AND IS IN CLEAN DRY CONDITION. FIRMLY BUTT INSULATION JOINTS.
- C. SPACE HEATING HOT WATER SUPPLY AND RETURN: INSULATE PIPING WITH GLASS FIBER PIPE INSULATION WITH FACTORY APPLIED WHITE JACKET, JOHNS MANVILLE MICRO-LOK AP, 1-1/2 INCH THICK. INSULATE FITTINGS, FLANGES AND VALVES WITH PREFORMED INSULATION WITH PVC PREMOLDED AND PIECE FITTING COVERS, JOHNS MANVILLE ZESTON 2000. ADHERE LONGITUDINAL LAPS AND BUTT STRIPS OF JACKET WITH FACTORY APPLIED PRESSURE SENSITIVE TAPE SYSTEM, JOHNS MANVILLE AP-T. PROVIDE ALUMINUM JACKET AND ALUMINUM PREFORMED FITTING COVERS, 0.016 INCH THICK ON OUTDOOR PIPING.
- D. UNIONS: INSULATE IN SAME MANNER AS FITTINGS, FLANGES AND VALVE BODIES. CONSPICUOUSLY MARK LOCATIONS ON PIPE COVERSINGS.
- E. SHIELDS: FOR PIPES 4 INCHES AND LARGER, AT EACH HANGER PROTECT INSULATION WITH 12 INCHES LONG 18 GAUGE GALVANIZED METAL SHIELD OVER HEAVY DENSITY CALCIUM SILICATE INSULATION INSERT. FOR PIPES 3 INCHES AND SMALLER, AT EACH HANGER PROTECT INSULATION WITH 4 INCH LONG 18 GAUGE GALVANIZED METAL SHIELD.
- F. THERMAL DUCT INSULATION: INSULATE ALL CONCEALED COLD SUPPLY AIR, RETURN AIR AND PLENUMS UNLESS OTHERWISE SPECIFIED, WITH JOHNS MANVILLE MICROCLUTE FIBERGLASS DUCT INSULATION, WRAPPED ENTIRELY AROUND DUCT WITH JOINTS LAPPED AT LEAST 2 INCHES AND SECURED WITH 16 GAUGE GALVANIZED WIRE ON 12 INCH CENTERS. INSULATION VALUE SHALL COMPLY WITH TITLE 24 REQUIREMENTS. INSULATION SHALL COVER ALL SURFACES INCLUDING STANDING SEAMS.

2.03 VALVES

- VALVES SHALL BE OF SAME MANUFACTURER OR EQUIVALENT BY COMPARATOR CHART OF APPROVED MANUFACTURER. PROVIDE ADAPTERS FOR VALVES IN COPPER TUBING WHERE NECESSARY. PROVIDE CHAIN OPERATED VALVES FOR VALVES LOCATED 7 FEET ABOVE FINISHED FLOOR IN EQUIPMENT ROOMS AND EQUIPMENT AREAS.

- A. GATE VALVES: 150 LB. SWB, NIBCO F-617-0.
- B. GLOBE VALVES:
  1. 2 INCHES AND SMALLER: 150 LB. SWP, NIBCO T-235V.
  2. 2-1/2 INCHES AND LARGER: 125 LB. SWP, IRON BODY, NIBCO F-718-B.
- C. CHECK VALVES:
  1. HORIZONTAL SWING:
    - A. 2 INCHES AND SMALLER: 125 LB. SWP, SCREWED, NIBCO T-413 SOLDER.
    - B. 2-1/2 INCHES AND LARGER: 125 LB. SWP, IRON BODY, FLANGED, NIBCO F-918-B.
  - D. BALANCING VALVES:
    1. 1-1/4 INCHES THROUGH 2-1/2 INCHES: 125 LB. SWP, BELL & GOSSETT CIRCUIT SETTER, BRONZE, SCREWED.
    2. 2-1/2 INCHES AND LARGER: ROCKWELL T75 LB. WWP LUBRICATED SEMI-STEEL PLUG VALVES WITH PLUGS AND BOLTED YOKES, OPERATING WRENCH, WITH ADJUSTABLE LOCKING STEP INDICATOR AND ARC WHEN BALANCING COCK IS USED AS A SHUTOFF VALVE.
  - E. BALL VALVES: 150 LB. SWP, BRONZE BODY, NIBCO T-585-20.

2.04 PIPING ACCESSORIES

- A. PRESSURE GAUGES: ASHCROFT DURAGAUGE 1378-A, COMPLETE WITH 4-1/4 INCH DIAMETER DIAL AND GAUGE COCK. ONE PRESSURE GAUGE COCK AND GAUGE SHALL BE INSTALLED ON SUCTION AND DISCHARGE SIDE OF EACH PUMP AND ELSEWHERE INDICATED TO ACCEPT A MASTER PRESSURE GAUGE.
- B. THERMOMETERS: WEISS 7V5 3-1/2 INCH VARI-ANGLE ADJUSTABLE ANGLE RED MERCURY INDUSTRIAL THERMOMETERS WITH 7 INCH CHROME-PLATED BRONZE CASE, 3-1/2 INCH STEM WITH SWIVEL NUT, 3/4 INCH NPT BRASS SEPARABLE SOCKET AND ETCHED SCALE WITH GRADUATIONS AS INDICATED OR REQUIRED.
- C. AIR VENT VALVES:
  1. WATER: 75 PSI WORKING PRESSURE, HOFFMAN NO. 79.
  2. WATER: 150 PSI WORKING PRESSURE, HOFFMAN NO. 78.
- D. TANK FITTINGS: BELL & GOSSETT SERIES ATF OF SIZE CORRESPONDING TO COMPRESSION TANK DIAMETERS.
- E. FLEXIBLE PIPE CONNECTIONS: BRAIDED STAINLESS STEEL FOR CONDENSER WATER PIPING AND BRAIDED BRONZE FOR HOT WATER SYSTEMS.

2.05 HYDRONIC PIPING

- A. CHILLED, HOT AND CONDENSER WATER PIPING:
  1. TYPE K HARD-DRAWN COPPER TUBING, WROUGHT COPPER FITTINGS WITH SOLDERED JOINTS.
- B. PIPE INSULATION:
  1. ALL INSULATION SHALL COMPLY WITH THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS.
  2. CHILLED WATER AND HOT WATER PIPING: INSULATE PIPING WITH GLASS FIBER PIPE INSULATION WITH FACTORY APPLIED WHITE JACKET, JOHNS MANVILLE MICROLOK. INSULATE FITTINGS, FLANGES AND VALVES WITH PRE-FORMED INSULATION WITH PVC PRE-MOLDED ONE PIECE FITTING COVERS, JOHNS MANVILLE ZESTON 2000. ADHERE LONGITUDINAL LAPS AND BUTT STRIPS OF JACKET WITH FACTORY APPLIED PRESSURE SENSITIVE TAPE SYSTEM JOHNS MANVILLE AP-T PLUS. PROVIDE ALUMINUM JACKETING AND ALUMINUM PREFORMED FITTING COVERS, 0.016 IN THICK ON OUTDOOR PIPING.

2.06 UNIONS AND GASKETS

- A. 2 INCHES AND UNDER FOR STEEL PIPE: SCREWED MALLEABLE IRON, GROUND JOINT, 300 LB. WOG GLASS WITH BRASS TO IRON SEAT, BLACK.
- B. 2-1/2 INCHES AND LARGER FOR STEEL PIPE: CAST IRON FLANGED GASKET TYPE, CONFORMING TO ANSI B16.1, BLACK TO SUIT SERVICE, OR 150 LB. FORGED STEEL SLIP-ON FLANGES.
- C. UNIONS FOR COPPER TUBING: ANACONDA 1633 OR T733.
- D. DIELECTRIC UNIONS: EPOC, COMPLETE WITH ISOLATORS AND GASKETS OF SAME SIZE AS PIPE. GALVANIZED OR BLACK TO SUIT SERVICE.
- E. DIELECTRIC FLANGES: F.H. MALONEY CO. FLANGES FOR CATHODIC INSULATION.
- F. GASKETS: 1/16 INCH GARLOCK 17022.

2.07 TURNING VANES

- A. BOTH DIMENSIONS LESS THAN 48 INCHES: SINGLE VANE OR APPROVED DOUBLE THICKNESS AIRFOIL VANES.
- B. EITHER DIMENSION GREATER THAN 48 INCHES: DOUBLE THICKNESS AIRFOIL VANES OF APPROVED PATTERN.
- C. RECTANGULAR SMOOTH RADIUS ELBOWS: PROVIDE MULTIPLE SPLITTER VANES.

2.08 DAMPERS

- A. PROVIDE BALANCING VOLUME DAMPERS IN EACH BRANCH DUCT AND IN EACH MAIN DUCT OF CONSTANT VOLUME SYSTEMS TO PROVIDE FOR CORRECT BALANCE WITH EACH MANUAL VOLUME DAMPER WITH BEARINGS AND AN ADJUSTING DEVICE HAVING A LOCKING MECHANISM. PROVIDE ACCESS PANELS IF CONCEALED OR INACCESSIBLE THROUGH CEILING OR WALL.
- B. BALANCING DAMPERS WHERE EITHER DIMENSION OF DUCT EXCEEDS 17 INCHES MAY BE A JOB FABRICATED BUTTERFLY TYPE CONSISTING OF A BLADE CONSTRUCTED OF 18 GAUGE GALVANIZED STEEL SECURELY RIVETED OR WELDED AT ITS CENTER AXIS TO A SQUARE OPERATING ROD.
- C. BALANCING DAMPERS WHERE EITHER DIMENSION EXCEEDS 18 INCHES SHALL BE AIR BALANCE.
- D. COMBINATION SMOKE AND FIRE DAMPERS:
  1. GENERAL DESCRIPTION: RUSKIN FSD-36 OR EQUAL BY GREENHOCK. LEAKAGE CLASS 2, FOR WALL, FLOOR, GRILLE, OR OUT OF WALL APPLICATION AS INDICATED ON THE PLANS. LABELED ACCORDING TO UL 555S. COMBINATION FIRE AND SMOKE DAMPERS SHALL BE LABELED ACCORDING TO UL 555 FOR 1-1/2 HOUR RATING.
  2. FLUSIBLE UNITS: RESETTABLE, 195 DEG F RATED.
  3. FRAME AND BLADES: 0.084-INCH THICK GALVANIZED SHEET STEEL.
  4. MOUNTING SLEEVE: GALVANIZED SHEET STEEL; LENGTH TO SUIT WALL OR FLOOR APPLICATION.
  5. DAMPER MOTORS: PROVIDE ACTUATOR BY MANUFACTURER. ELECTRICAL CONNECTION SHALL BE 115 V, SINGLE PHASE, 60 HZ.
- E. INSTALL FIRE AND SMOKE DAMPERS ACCORDING TO MANUFACTURER'S UL-APPROVED WRITTEN INSTRUCTIONS. BACKDRAFT DAMPERS: RUSKIN CSB2 AND CSB3 WITH EXTRUDED ALUMINUM FRAMES, ALUMINUM BLADES, AND VINYL EDGE SEALS AND ADJUSTABLE COUNTERWEIGHTS.

PART 3-EXECUTION

3.01 STATEMENT

- A. ALL HEATING, VENTILATION AND AIR CONDITIONING SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING AUTHORITIES.

3.02 LOCATIONS AND ACCESSIBILITY

- A. DRAWINGS INDICATE DESIRED LOCATION AND ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT AND OTHER ITEMS, AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. ALL OFFSETS AND INTERFERENCES MAY NOT BE INDICATED DUE TO THE SCALE OF THE DRAWINGS. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COORDINATING WORK WITH ALL OTHER TRADES.
- B. VALVES, MOTORS, CONTROLS AND OTHER DEVICES REQUIRING SERVICE, MAINTENANCE AND ADJUSTMENT SHALL BE PLACED IN FULLY ACCESSIBLE POSITIONS AND LOCATIONS. PROVIDE ACCESS DOORS WHERE REQUIRED IN DUCTWORK AND CONSTRUCTION AND RENDR ALL SUCH DEVICES ACCESSIBLE.

3.03 EQUIPMENT IDENTIFICATION

- A. ALL MAJOR EQUIPMENT SHALL BEAR FIRMLY ATTACHED METAL NAMEPLATES WHICH STATE NAME OF MANUFACTURER, MODEL NUMBER AND ELECTRICAL DATA. AN ADDITIONAL PERMANENT LABEL SHALL BE AFFIXED TO EACH EQUIPMENT WHICH WILL CLEARLY INDICATE BY NUMBER WHICH OPERATING AND MAINTENANCE MANUAL EXPLAINS MAINTENANCE REQUIREMENTS IN DETAIL.
- B. VALVE IDENTIFICATION:
  1. VALVE CHARTS: TYPEWRITTEN CHARTS NOT LESS THAN 8X10 INCHES SHALL BE MADE SHOWING ASSIGNED NUMBERS CONTROLLED IN EACH MECHANICAL EQUIPMENT ROOM ONLY. CHARTS SHALL BE MOUNTED BEHIND ALUMINUM FRAMED GLASS IN CHILLER ROOM.
  2. VALVE TAGS: PROVIDE TAG CONSISTING OF 2 INCH DIAMETER, 20 GAUGE, STAINLESS STEEL OR COPPER DISK FOR EACH MAIN LINE SHUT-OFF VALVE OR COCK. FASTEN TAGS IN MAIN LINE WITH CONTINUOUS STEEL RING OR CHAIN AROUND STEM OF VALVES AND AROUND PIPE FOR COCK. DISKS SHALL BE STAMPED WITH A NUMBER CORRESPONDING TO IDENTIFICATION (OR LOCATION) NUMBER SHOWN ON VALVE CHART AND WITH SERVICE DESIGNATION WITH 1/4 INCH HIGH LETTERS.
- C. PIPE IDENTIFICATION: MARK EACH INDIVIDUAL PIPE FOR QUICK AND EASY IDENTIFICATION WITH IDENTO BANDS, ALUMINUM WITH ENAMEL FINISH, 1-1/2 INCHES WIDE, INSTALLED AS RECOMMENDED BY MANUFACTURER AFTER COMPLETION OF PIPING AND FINISH PAINTING. UNLESS OTHERWISE SPECIFIED, COOLING SHALL CONFORM TO SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS (ANSI A13.1-1-1996). COLOR SCHEME SHALL BE APPROVED. BASIC COLOR FOR MARKERS SHALL BE AS FOLLOWS:  
COMPRESSED AIR: ORANGE  
CONDENSER WATER: GREEN  
SPACE HEATING HOT WATER: ORANGE  
MAKE-UP WATER: GREEN  
REFRIGERANT PIPING: YELLOW

3.04 INITIAL LUBRICATION, ADJUSTING AND FILLING SYSTEMS

- A. BEFORE OPERATING ANY MECHANICAL SYSTEMS, EQUIPMENT BEARINGS SHALL BE LUBRICATED AND BOLTS, PULLEYS, AND OTHER MOVING PARTS CHECKED FOR ALIGNMENT AND TOLERANCES IN ACCORDANCE WITH MANUFACTURER'S OPERATING INSTRUCTIONS. PIPING AND LIQUID SYSTEMS SHALL BE FLUSHED OUT AND FILLED WITH OPERATING FLUIDS. AFTER TESTS, VALVES AND OTHER PARTS OF WORK SHALL BE ADJUSTED FOR QUIET OPERATION. STRAINERS SHALL BE CLEANED OUT BY REMOVING AND WASHING BASKET OR SCREEN. COMPRESSORS SHALL HAVE LUBRICATING OIL CHANGED. VIBRATIONS AND NOISE SHALL BE SUPPRESSED.

3.05 CLEANING OF EQUIPMENT, MATERIALS AND PREMISES

- A. CLEAN EQUIPMENT AND MATERIALS THOROUGHLY. LEAVE SURFACES TO BE PAINTED SMOOTH, CLEAN, AND READY FOR PAINTERS. CLEAN ENTIRE PREMISE OF UNUSED MATERIALS, RUBBISH, DEBRIS, GREASE SPOTS AND DIRT LEFT BY SUBCONTRACTORS. REMOVE, CLEAN AND REPLACE PIPELINE STRAINERS AFTER SYSTEMS HAVE BEEN IN OPERATION FOR A PERIOD OF 30 CALENDAR DAYS.

3.06 HANGERS AND SUPPORTS

- A. HOLD HORIZONTAL PIPE RUNS FIRMLY IN PLACE USING APPROVED STEEL AND IRON HANGERS, SUPPORTS, AND/OR PIPE RESTS, UNLESS OTHERWISE INDICATED. SUSPEND HANGER RODS FROM CONCRETE INSERTS OR FROM APPROVED BRACKETS, CLAMPS OR CLIPS. HANG PIPES INDIVIDUALLY OR IN GROUPS IF SUPPORTING STRUCTURE IS ADEQUATE TO SUPPORT WEIGHT OF PIPING AND FLUID, EXCEPT FOR BURIED PIPING, HANG OR SUPPORT PIPE RUNS SO THEY MAY EXPAND OR CONTRACT FREELY WITHOUT STRAIN TO PIPE OR EQUIPMENT.
- B. HORIZONTAL STEEL PIPING: PROVIDE HANGERS OR SUPPORTS EVERY 10 FEET EXCEPT EVERY 8 FEET FOR PIPING UNDER 1 INCH IN DIAMETER, UNLESS OTHERWISE SPECIFIED.
- C. HORIZONTAL COPPER TUBING: FOR 2 INCH DIAMETER AND OVER, PROVIDE HANGERS, EVERY 10 FEET, FOR 1-1/2 INCH DIAMETER AND SMALLER, EVERY 6 FEET.
- D. VERTICAL PIPING: SUPPORT AT EVERY FLOOR WITH WROUGHT IRON PIPE CLAMPS.
- E. BRANCHES: PROVIDE SEPARATE HANGERS OR SUPPORTS FOR BRANCH LINES 6 FEET OR MORE IN LENGTH.

3.07 EQUIPMENT AND MATERIALS

- A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3.08 ACCESSIBILITY

- A. INSTALL WORK READY Y ACCESSIBLE FOR NORMAL OPERATION, READING OF INSTRUMENTS, ADJUSTMENT, SERVICE, INSPECTION AND REPAIR. PROVIDE ACCESS PANELS WHERE INDICATED AND REQUIRED.

3.09 EXPANSION AND CONTRACTION

- A. INSTALL PIPING SUBJECT TO EXPANSION AND CONTRACTION WITH EXPANSION LOOPS MADE UP OF BENDS OR FITTINGS, EXPANSION JOINTS, SWING JOINTS, OR OTHER APPROVED METHODS OR DEVICES. BRANCH LINES FROM MAIN SUBJECT TO EXPANSION AND CONTRACTION SHALL HAVE A SWING JOINT AT POINT OF CONNECTION WITH THE MAIN. RISERS WHICH PASS THROUGH ONE OR MORE FLOORS SHALL HAVE SWING JOINTS AT THEIR BASE. ANCHOR LINES SUBJECT TO EXPANSION AND CONTRACTION BY APPROVED METHODS TO RESTRICT MOVEMENT.

3.10 SYSTEM BALANCING

- A. SECTION INCLUDES: TESTING, ADJUSTING AND BALANCING OF MECHANICAL EQUIPMENT AND SYSTEMS.
- B. PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT SURFACES AND AREAS WHICH MAY BECOME DAMAGED AS A RESULT OF WORK OF THIS SECTION. PROTECT WORK HEREUNDER UNTIL COMPLETION AND FINAL ACCEPTANCE. REPAIR OR REPLACE DAMAGED OR DEFECTIVE WORK TO ORIGINAL SPECIFIED CONDITIONS, AT NO EXTRA COST TO THE OWNER.
- C. ALL PERFORMANCE TESTING AND BALANCING OF THE MECHANICAL SYSTEMS INCLUDING:
  1. SUPPLY AIR SYSTEMS.
  2. RETURN AIR, FRESH AIR AND EXHAUST AIR SYSTEMS.
  3. HYDRONIC SYSTEMS.
  4. REPORT AND REPORT FORMS.
- D. SUBMITTALS: SUBMIT A COMPLETE TESTING AND BALANCING PROCEDURE INDICATING ALL TEST EQUIPMENT THAT WILL BE USED, TESTING PROCEDURES, TEST DATA SHEETS, SYSTEM SCHEMATICS AND POINTS OF TESTING.
  1. TEST AND BALANCE DATA: SUBMIT TEST AND BALANCE DATA ON COMPLETION OF WORK UNDER THIS SECTION.
  2. CERTIFICATION: CERTIFY IN WRITING THAT SYSTEM HAS BEEN ADJUSTED AND BALANCED AND DESIGN CONDITIONS HAVE BEEN ATTAINED.
- E. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT, HVAC CONTRACTOR AND ELECTRICAL CONTRACTOR REQUIREMENTS FOR DRIVE CHANGES, INSTALLATION OF ADDITIONAL DAMPERS, VANES, GRILLE BAFFLES OR OTHER ITEMS AS MAY BE REQUIRED TO BALANCE THE SYSTEM TO THE OWNER'S SATISFACTION.
- F. VERIFICATION OF CONDITIONS: PRIOR TO TESTING AND BALANCING, BALANCING CONTRACTOR SHALL INSPECT EQUIPMENT AND MATERIALS TO ASSURE THAT ALL BALANCING OPERATIONS CAN BE PERFORMED. BALANCE SUBCONTRACTOR SHALL ARRANGE WITH HVAC CONTRACTOR AND ELECTRICAL CONTRACTOR FOR SATISFACTORY CORRECTION OF ALL DEFECTS IN WORKMANSHIP AND/OR MATERIAL THAT COULD AFFECT THE WORK SPECIFIED HEREIN.
- G. SYSTEM OPERATION: CONTRACTOR SHALL COORDINATE WITH HVAC SPECIFICATIONS AND CONTROLS SPECIFICATIONS AND CONTRACTORS TO HAVE ALL PARTS OF SYSTEMS IN FULL OPERATION AND SHALL CONTINUE THE OPERATION OF SAME DURING EACH WORKING DAY OF TESTING AND BALANCING.
- H. SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY AN INDEPENDENT AGENCY CERTIFIED BY THE ASSOCIATED AIR BALANCE COUNCIL BY AABC.
- I. ALL TEST INSTRUMENTS SHALL BE ACCURATELY CALIBRATED AND MAINTAINED IN GOOD WORKING ORDER. TEST INSTRUMENTS SHALL HAVE CERTIFICATION BY THE MANUFACTURER OR BY AN APPROVED TEST LABORATORY WITHIN ONE YEAR OF THE TESTING DATE.
- J. AIR DISTRIBUTION TESTING AND BALANCING:
  1. TEST AND ADJUST BLOWER RPM TO DESIGN REQUIREMENTS.
  2. TEST AND RECORD MOTOR FULL LOAD AMPERES.
  3. MAKE PITOT TUBE TRANSVERSE OF MAIN SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTS AND OBTAIN DESIGN CFM.
  4. TEST AND RECORD SYSTEM STATIC PRESSURES, SUCTION AND DISCHARGE.
  5. TEST AND ADJUST SYSTEM FOR DESIGN EXHAUST AIR CFM.
  6. TEST AND ADJUST SYSTEM FOR DESIGN OUTSIDE AIR CFM.
  7. IF MORE THAN ONE OUTSIDE AIR DESIGN CONDITION EXISTS (DEMAND CONTROL VENTILATION), BALANCE REPORT SHALL INCLUDE SEPARATE TESTS FOR MINIMUM CONDITION AND MAXIMUM CONDITION.
  8. ADJUST ALL MAIN SUPPLY AND RETURN AIR DUCTS TO PROPER DESIGN CFM.
  9. TEST AND ADJUST EACH VAV BOX TO WITHIN PLUS-MINUS 5% OF DESIGN.
  10. TEST AND ADJUST EACH DIFFUSER, GRILLE AND REGISTER TO WITHIN PLUS-MINUS 5% OF THE AMOUNT SHOWN ON THE DRAWINGS.
  11. EACH GRILLE, DIFFUSER AND REGISTER SHALL BE IDENTIFIED AS TO LOCATION AND AREA.
  12. SIZE, TYPE AND MANUFACTURER OF DIFFUSERS, GRILLES, REGISTERS AND ALL TESTED EQUIPMENT SHALL BE IDENTIFIED AND LISTED. MANUFACTURER'S RATINGS ON ALL EQUIPMENT SHALL BE USED TO MAKE REQUIRED CALCULATIONS.
  13. RECORDS AND TESTS OF DIFFUSERS, GRILLES AND REGISTERS SHALL INCLUDE THE REQUIRED FPM VELOCITY AND TEST VELOCITY, REQUIRED CFM AND TEST RESULT CFM AFTER ADJUSTMENTS.
  14. IN COOPERATION WITH THE CONTROL MANUFACTURER'S REPRESENTATIVE, THE SETTING ADJUSTMENT OF AUTOMATICALLY OPERATED CONTROLS TO OPERATE AS SPECIFIED, INDICATED AND/OR NOTED.
  15. ALL DIFFUSERS, REGISTERS AND GRILLES AND ALL EQUIPMENT SHALL BE ADJUSTED TO MAINTAIN THE DESIGN CONDITIONS.
- N. COORDINATE TESTS WITH THE MANUFACTURER OF EACH EQUIPMENT.
- O. WITNESS: NOTIFY ARCHITECT IN WRITING TWO WEEKS PRIOR TO TESTING AND BALANCING OF ALL MAJOR EQUIPMENT IN ORDER TO ARRANGE THAT ARCHITECT'S REPRESENTATIVE WILL WITNESS THE TESTS.
- P. REPORTING:
  1. REPORTS SHALL INCLUDE ALL OUTLETS, BALANCED TO A TOLERANCE OF 10%, INDICATIONS OF "NOT ACCESSIBLE" OR "NOT OPERATING" ARE NOT ACCEPTABLE. BALANCE CONTRACTOR SHALL RESOLVE ANY ACCESS ISSUES WITH MECHANICAL SUBCONTRACTOR BEFORE SUBMITTING REPORT.
  2. FOR ANY NEW PUMP OR FAN (E.G. EXHAUST FAN, SUPPLY FAN), INCLUDE PUMP CURVE OR FAN CURVE IN THE REPORT.
  3. DRIVE CHANGES, IF REQUIRED TO ACHIEVE DESIGN AIR QUANTITIES, ARE THE RESPONSIBILITY OF CONTRACTOR.
- Q. MECHANICAL AND BALANCING CONTRACTORS SHALL BE RESPONSIBLE FOR ALL TITLE 24 ACCEPTANCE TESTING REQUIREMENTS AS INDICATED ON THE COMPLIANCE DOCUMENTATION. COPIES OF ALL ACCEPTANCE TESTS SHALL BE INCLUDED IN THE AIR BALANCE REPORT AND SUBMITTED TO THE ENGINEER AND THE OWNER FOR RECORD.

3.11 CONNECTION

- A. CONNECTIONS BETWEEN TWO DISSIMILAR METAL PIPES SHALL BE MADE WITH DIELECTRIC UNIONS.

3.12 INSTALLATION

- A. COOLING TOWERS, BOILER, PUMPS, AIR HANDLING UNITS, EXHAUST FANS AND OTHER EQUIPMENT SHALL BE INSTALLED ON CONCRETE BASES AND BOLTED TO VIBRATION ISOLATORS AND THEN ANCHORED TO STRUCTURES.

3.13 TURNING VANES

- A. TURNING VANES SHALL BE INSTALLED IN ALL RIGHT ANGLE SHARP TURNS IN DUCTS.

3.14 DUCT LINING

- A. WHERE INDICATED, SPECIFIED DUCT DIMENSIONS ARE NET CLEAR DIMENSIONS, I.E., CLEAR DIMENSIONS, AFTER INSULATION HAS BEEN INSTALLED.

3.15 REPAIR OR EXISTING SURFACES

- A. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS THAT MAY HAVE BEEN DAMAGED AS A RESULT OF DEMOLITION AND NEW WORK.

3.16 CAPPING OF DUCTS

- A. ALL EXISTING DUCTS THAT ARE REMOVED AND NOT REUSED SHALL BE CAPPED AIRTIGHT AND SEALED WITH "MIRACLE" DUCT SEALER AND D517 OR EQUAL.

3.17 AS-BUILT DRAWINGS

- A. CONTRACTOR SHALL PROVIDE RECORD AS-BUILT DRAWINGS TO TENANT CONSTRUCTION COORDINATOR AND ARCHITECT AT THE COMPLETION OF TENANT CONSTRUCTION.

3.18 SMOKE DAMPERS IN DUCTWORK

- A. MAINTAIN NET FREE AREA EQUAL TO DUCT SIZE AT ALL SMOKE AND FIRE DAMPERS.
- B. SMOKE AND FIRE DAMPERS SHALL BE PROVIDED WITH ADEQUATE ACCESS DOORS BY THIS CONTRACTOR.

3.19 DUCT ELBOWS

- A. PROVIDE MINIMUM DUCT RADIUS ON ELBOWS AT ONE AND ONE HALF TIMES DUCT SIZES.

3.20 DUCT AND EQUIPMENT REQUIREMENTS OF TITLE 24

- A. ALL SUPPLY AIR DUCTS AND FIRE DAMPERS SHALL BE INSTALLED PER TITLE 24 REGULATIONS.
- B. ALL MECHANICAL EQUIPMENT SHALL BE CERTIFIED BY THE MANUFACTURER FOR COMPLIANCE WITH TITLE 24 ENERGY REQUIREMENTS.

3.21 RETURN AIR PLENUM REQUIREMENTS

- A. RETURN AIR PLENUM SHALL NOT CONTAIN ANY COMBUSTIBLE MATERIAL.

3.22 ACCESS REQUIREMENTS

- A. PROVIDE ACCESS AND CLEARANCE REQUIREMENTS PER 2019 MECHANICAL CODE AND MANUFACTURE INSTALLATION WHICHEVER IS MORE RESTRICTIVE.

END OF SECTION

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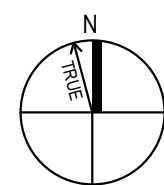
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SHEET NOTES

MECHANICAL  
SPECIFICATIONS

M0.2



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STUDENT UNION BLDG - LEVEL 01 - HVAC DEMOLITION PLAN

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



LEGEND AND NOTES

SHEET NOTES

- 1 DEMO DIFFUSERS AND DUCT. CAP DUCT ABOVE CEILING AND DECOMMISSION MAKEUP AIR UNIT (MAU-1) ON ROOF.
- 2 DEMO OVEN HOOD AND DUCT. CAP DUCT ABOVE CEILING AND DECOMMISSION EXHAUST FAN (EF-1) ON ROOF.

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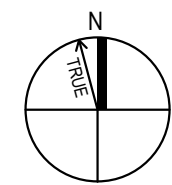
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HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - HVAC DEMOLITION  
PLAN

MD1.10

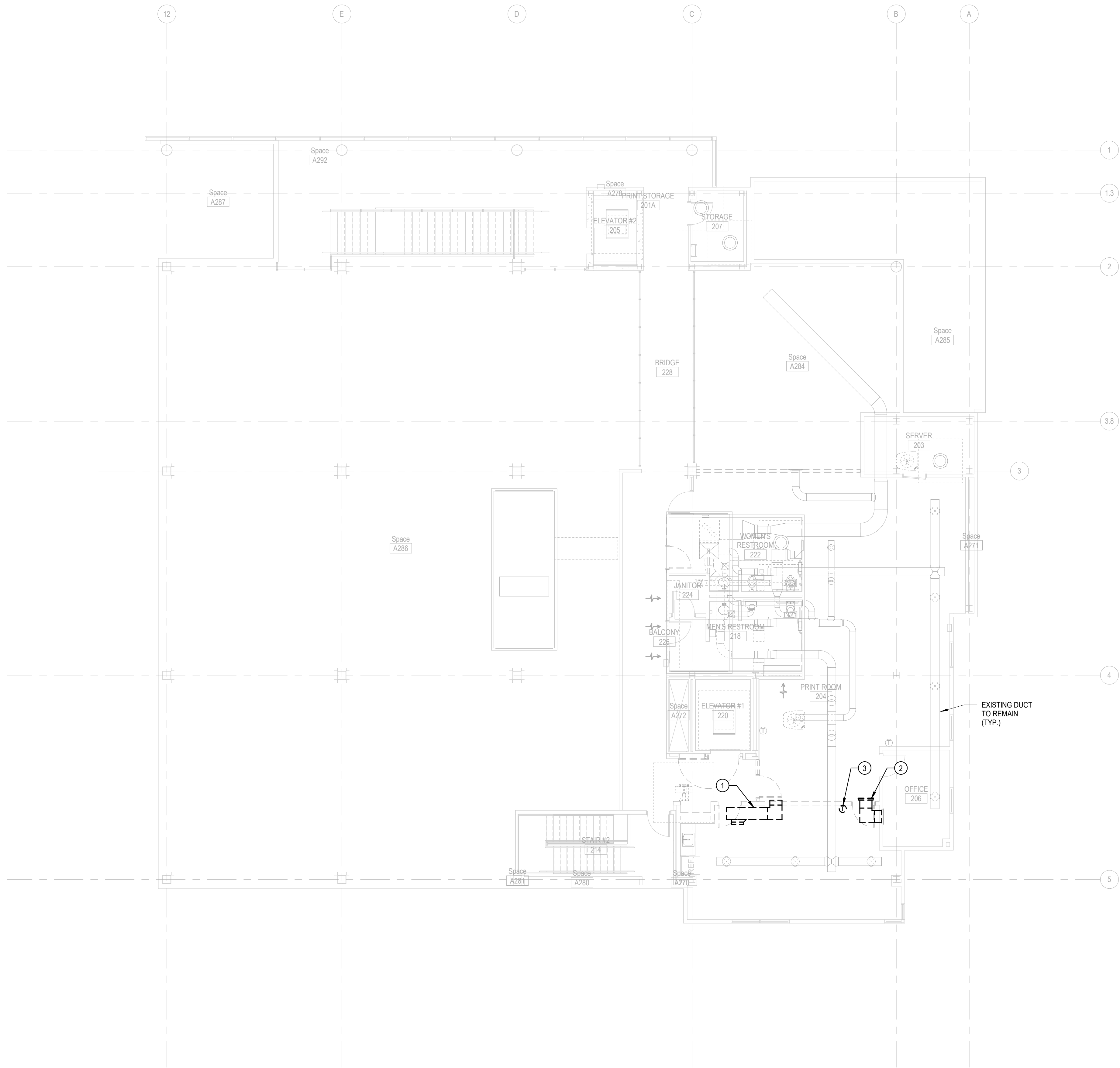


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BOOKSTORE - LEVEL 02 - HVAC DEMOLITION PLAN

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



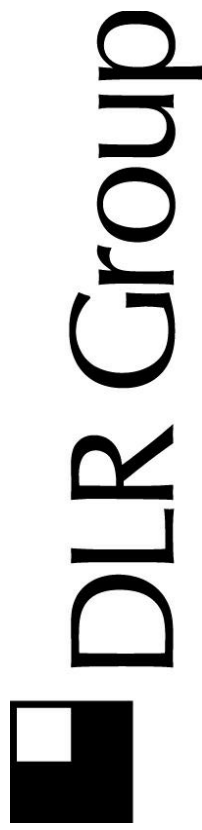
LEGEND AND NOTES

SHEET NOTES

- 1 DEMO TRANSFER DUCT.
- 2 DEMO TRANSFER DUCT AND RELOCATE GRILL.
- 3 RELOCATE THERMOSTAT.

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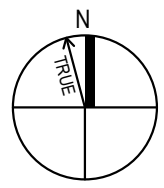
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PRINT SHOP - BOOKSTORE -  
LEVEL 02 - HVAC DEMOLITION  
PLAN

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STUDENT UNION BLDG - LEVEL 01 - HVAC PLAN

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



LEGEND AND NOTES

SHEET NOTES

- 1 PROVIDE 24"x24" LAY-IN DIFFUSER TITUS MODEL MCD.
- 2 PROVIDE VAV DIFFUSER TITUS MODEL T3SQ-M AND THE POWER MODULE 120/24VAC TRANSFORMER (T3PM120).
- 3 PROVIDE 12"x12" SURFACE MOUNT DIFFUSER TITUS MODEL MCD.
- 4 PROVIDE 24"x24" SURFACE MOUNT GRILLE TITUS MODEL 350RL.
- 5 PROVIDE 16"x16" SURFACE MOUNT DIFFUSER TITUS MODEL PAR.
- 6 PROVIDE INTERNET ENABLED THERMOSTAT WITH INTEGRATED CO2 SENSOR PELICAN MODEL TS250. PROVIDE NEW CONTROLLER COMPATIBLE TO NEW THERMOSTAT AND CONNECT 24VAC HARDWARE FROM THE UNIT CONTROLLER TO THERMOSTAT.
- 7 VERIFY EXISTING DUCT SMOKE DETECTORS AT THE RETURN AND SUPPLY DUCT ARE IN GOOD WORKING CONDITION.

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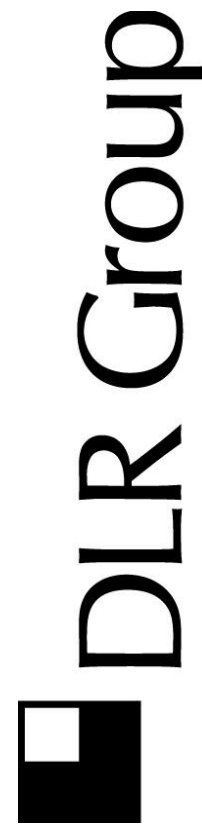
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HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - HVAC PLAN

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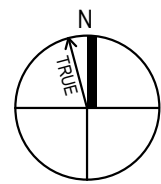
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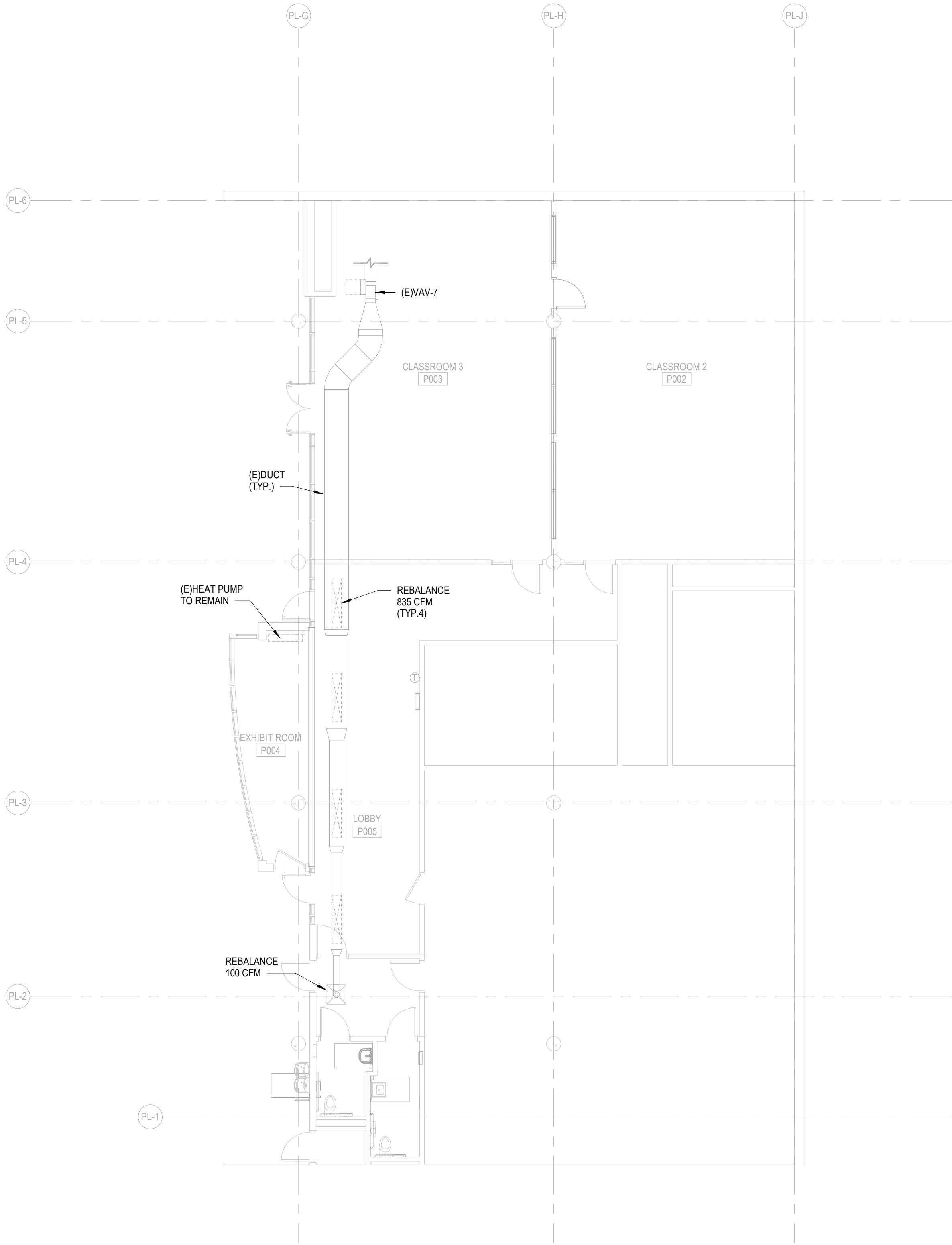


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PLANETARIUM - LEVEL 01 - HVAC PLAN

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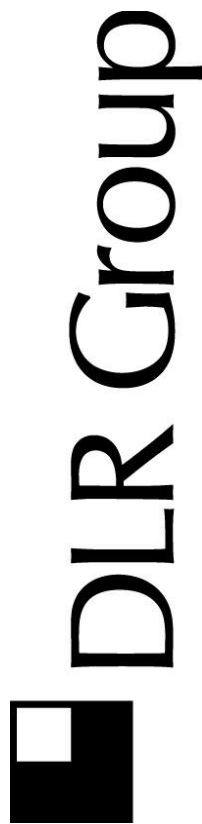


LEGEND AND NOTES

SHEET NOTES

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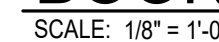
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STUDENT SERVICES -  
PLANETARIUM - LEVEL 01 -  
HVAC PLAN

M1.22

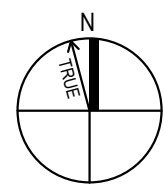




① PROVIDE 12"x12" (400 CFM) EXHAUST GRILLE TITUS MODEL 350FL.

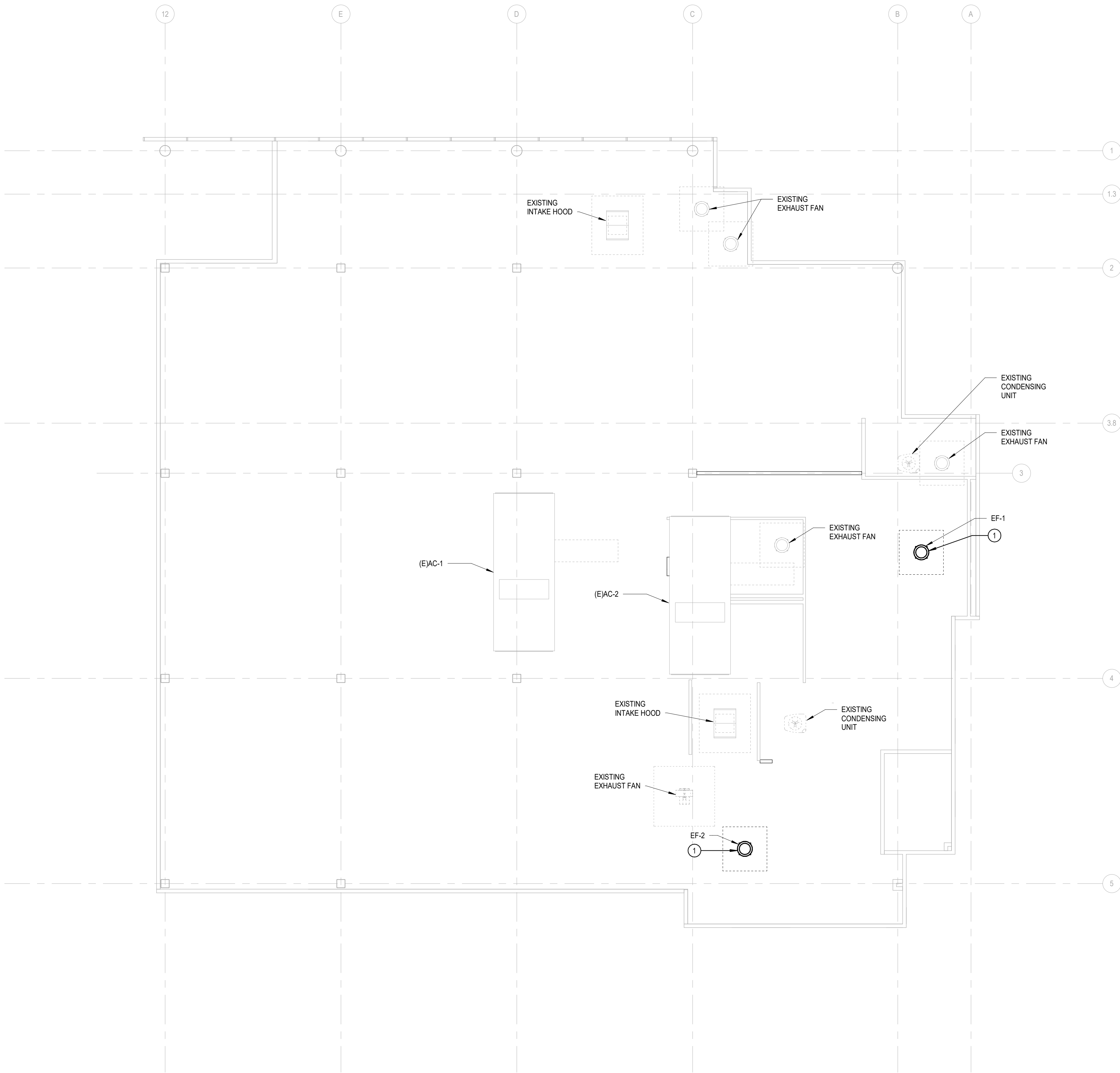


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BOOKSTORE - ROOF - HVAC PLAN

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



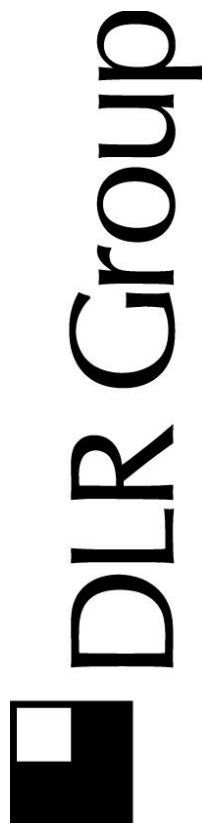
LEGEND AND NOTES

SHEET NOTES

- 1 PROVIDE EXHAUST FAN GREENHECK MODEL G-090-VG, 400 CFM, 0.5 ESP, 115V/1PH/60HZ, 0.1 HP MOTOR, AND BACKDRAFT DAMPER. EXHAUST FAN SHALL BE INTERLOCKED WITH (E)AC-1.

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DSA APP: 01-119997  
DSA FILE: 07-C1

DVC - Print Shop, Student  
Success, & Health Services  
Renovation

CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

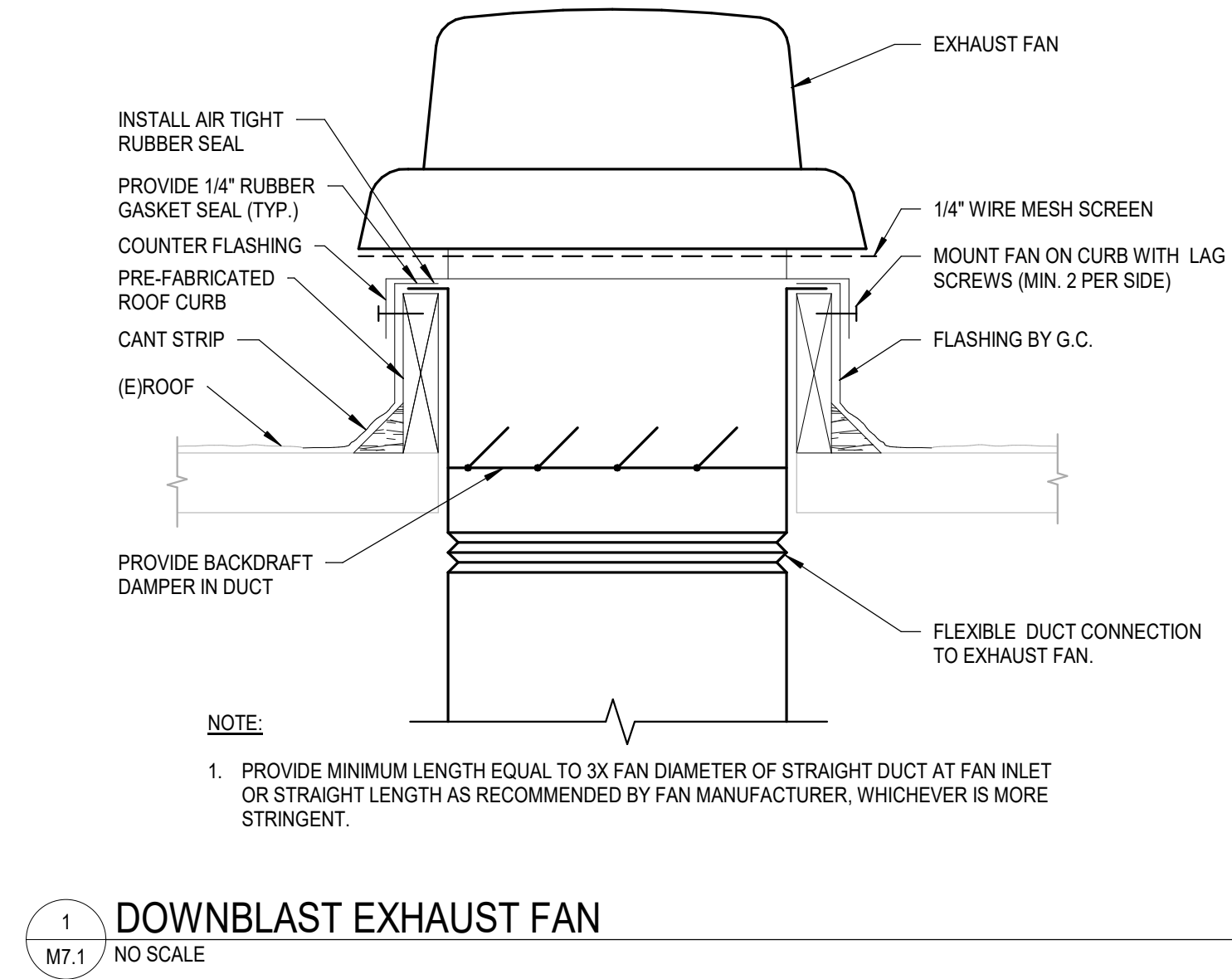
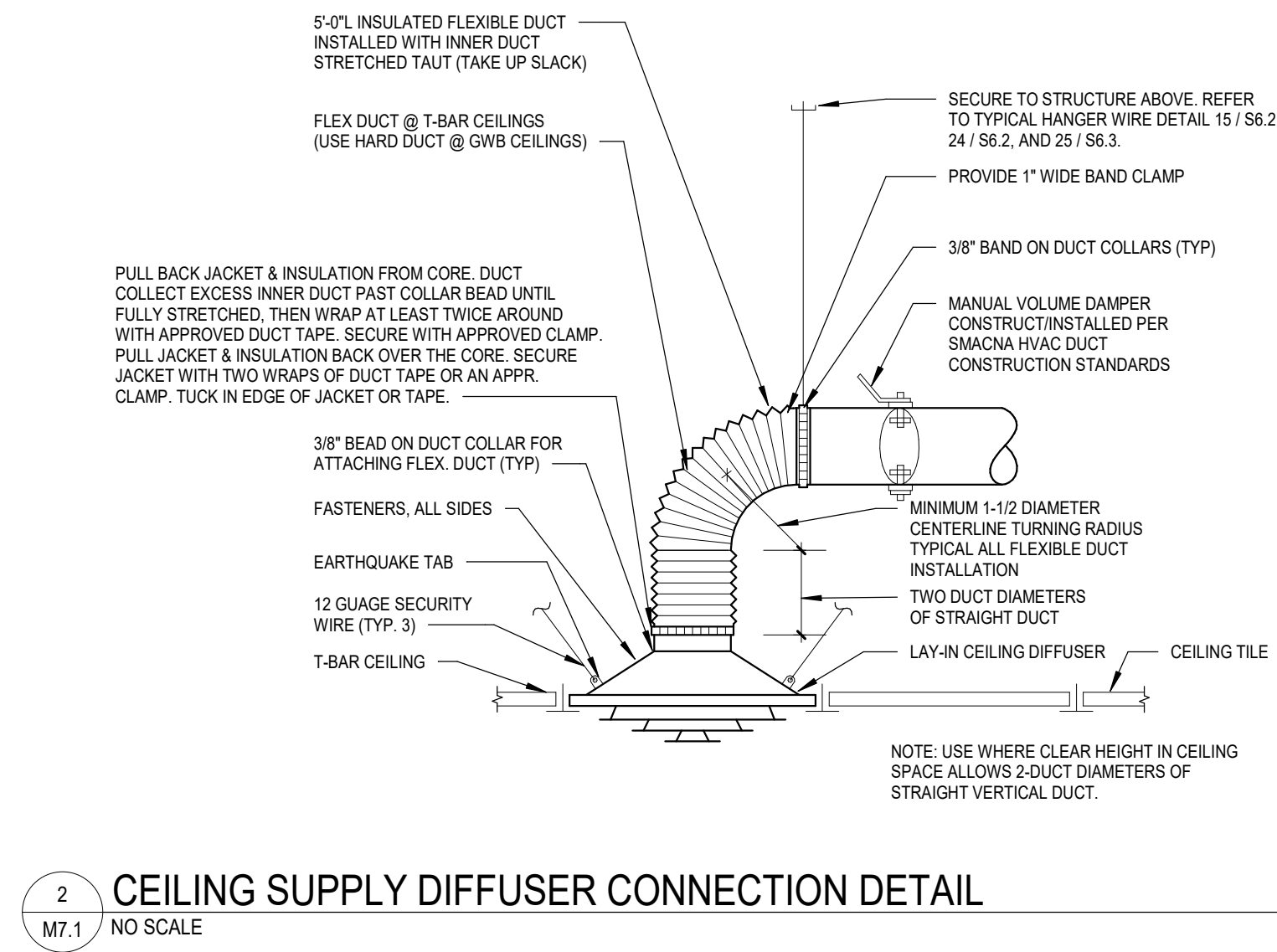
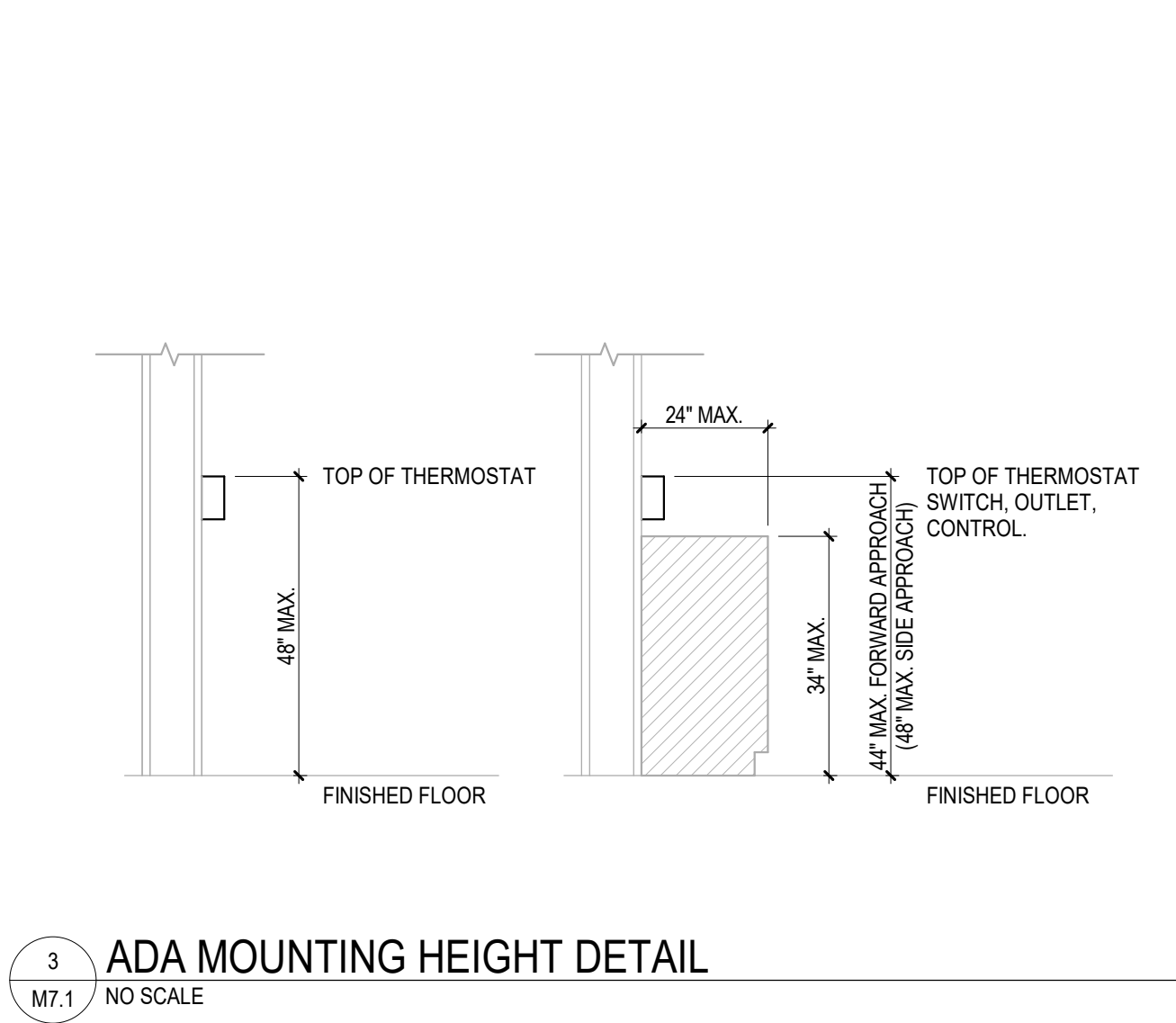
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

PRINT SHOP - BOOKSTORE -  
ROOF - HVAC PLAN

M1.32

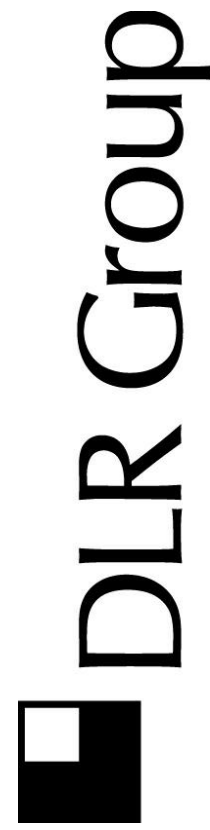


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Revisions

DLR GROUP PROJECT NUMBER:  
SHEET NOTES

MECHANICAL DETAILS

M7.1



BM 360/775-21809-00 CCCC - Print Shop Relocation/75-21809-00\_Pmt\_Shp\_MEP\_2020.rvt  
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## ABBREVIATIONS

(D)	DEMOLISHED
(E)	EXISTING
(R)	RELOCATED
Ø	PHASE
A	AMPERE
AC	AC/DC COUNTER
AF	AMP FRAME (CIRCUIT BREAKER)
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
W	WIRELESS ACCESS POINT
AT	AMP TRIP (CIRCUIT BREAKER OR FUSE)
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO-VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BJ	BONDING JUMPER
BKR	BREAKER
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFGI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CTL	CONTROL
CU	COPPER
DB	DECIBEL
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANELBOARD
DW	DISHWASHER
ECS	EMERGENCY COMMUNICATION SYSTEM
EGB	ELECTRICAL GROUNDING BUSBAR
EMD	ESTIMATED MAXIMUM DEMAND
EMOB	ELECTRICAL MAIN GROUNDING BUSBAR
EP	EXPLOSION PROOF
ER	EXISTING (TO BE) RELOCATED
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
EW	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FLA	FULL LOAD AMPS
FS	FLOW SWITCH
FSD	FIRE SMOKE DAMPER
G	EQUIPMENT GROUNDING CONDUCTOR
GEN	GENERATOR
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GPFE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	EQUIPMENT GROUNDING CONDUCTOR
HH	HANDHOLE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
IC	INTERCOM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KAIC	THOUSAND AMPERE INTERRUPTING CIRCUIT
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LT	LIGHT
LTO	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MAIN CONTROL CENTER
MH	MANHOLE
MLO	MAN LUGS ONLY
MOP	MAXIMUM OVERCURRENT PROTECTION
MRTS	MOTOR RATED TOGGLE SWITCH
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MTG	MOUNTING
MTS	MAIN TRANSFER SWITCH
N	NEUTRAL
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NF	NON-FUSED
NL	NIGHT LIGHT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OSBY	OUTSIDE SCREW AND YOKE
P	POLE(S)
PA	PUBLIC ADDRESS
PB	PULL BOX
PH	PHASE
PV	POST INDICATOR VALVE
PNL	PANEL
PWR	POWER
RCP	REFLECTED CEILING PLAN
RECP	RECEPTACLE
REF	REFERENCE
RESP	RESPONSIVE
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
SEC	SECONDARY
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TIME CLOCK
TGB	TELECOMMUNICATIONS GRONDING BUSBAR
TGBS	TELECOMMUNICATIONS MAIN GRONDING BUSBAR
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TS	TAMPER SWITCH
TV	TELEVISION
UG	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WA	TELECOMMUNICATIONS WORK AREA
WG	WIRE GUARD
WP	WEATHER-PROOF (NEMA 3R)
XFMR	TRANSFORMER

## SHEET INDEX

E0.1	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES
E0.3	TITLE 24 FORMS
E0.4	TITLE 24 FORMS
E0.5	TITLE 24 FORMS
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E1.11	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 1 EM PHOTOMETRICS
E1.20	STUDENT SERVICES - BUSINESS/FOREIGN LANGUAGE BLDG AND PAC - LEVEL 01 - LIGHTING PLAN
E1.21	STUDENT SERVICES - BUSINESS/FOREIGN LANGUAGE BLDG AND PAC - LEVEL 01 EM PHOTOMETRICS
E2.10	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 01 - POWER PLAN
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E2.22	STUDENT SERVICES - PLANETARIUM - LEVEL 01 - POWER PLAN
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E7.1	ELECTRICAL SCHEDULES
E01.10	HEALTH SERVICES - STUDENT UNION BLDG - LEVEL 1 ELECTRICAL DEMOLITION PLAN
E01.20	STUDENT SERVICES - BUSINESS/FOREIGN LANGUAGE BLDG - LEVEL 1 ELECTRICAL DEMOLITION PLAN
E01.22	STUDENT SERVICES - LEARNING CENTER - LEVEL 1 ELECTRICAL DEMOLITION PLAN

## CAL GREEN BUILDING CODE

- A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL SYSTEMS SHALL BE COMPLETED PRIOR TO FIELD APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
- AN OPERATION AND SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.
- FOLLOW ALL REQUIREMENTS OUTLINED ON THIS SPEC 260800 FOR COMMISSIONING.

## LIGHTING CONTROLS PROGRAMMING NOTES

- FURNISH COPIES OF CONSTRUCTION DOCUMENTS, ADDENDA, CHANGE ORDERS, AND APPROVED SUBMITTALS AND DESIGN DRAWINGS RELATED TO LIGHTING CONTROLS EQUIPMENT TO CLIENT.
- PROVIDE ADDITIONAL REQUESTED DOCUMENTATION, PRIOR TO NORMAL O&M MANUAL SUBMITTALS, TO CLIENT FOR DEVELOPMENT OF START-UP AND FUNCTIONAL TEST PROCEDURES.
- HELP DEVELOP START-UP AND CHECKOUT PLAN FOR LIGHTING CONTROLS EQUIPMENT BASED ON MANUFACTURER'S RECOMMENDATIONS AND PRE-FUNCTIONAL TEST PROCEDURES FROM CA.
- DURING START-UP AND CHECKOUT PROCESS, EXECUTE PRE-FUNCTIONAL CHECKLISTS FOR LIGHTING CONTROLS EQUIPMENT.
- PERFORM FUNCTIONAL PERFORMANCE TESTING, UNDER DIRECTION OF CLIENT, FOR COMMISSIONED EQUIPMENT.
- RESOLVE EQUIPMENT OR SYSTEM DEFICIENCIES AND RETEST AS REQUIRED TO VERIFY COMPLIANT CONFORMANCE TO CONTRACT DOCUMENTS.
- ADDITIONAL COSTS INCURRED BY RETESTING TO THE RESPONSIBILITY OF THE PARTY WHO SIGNS OFF ON PRE-FUNCTIONAL CHECKLISTS.
- PREPARE O&M MANUALS ACCORDING TO CONTRACT DOCUMENTS, INCLUDING UPDATING ORIGINAL SEQUENCE OF OPERATIONS TO RECORD CONDITIONS.
- PROVIDE TRAINING OF OWNER'S OPERATING PERSONNEL.
- STANDARD TESTING EQUIPMENT REQUIRED TO PERFORM START-UP AND INITIAL CHECKOUT REQUIRED FUNCTIONAL PERFORMANCE TESTING TO BE PROVIDED BY DIVISION CONTRACTOR FOR EQUIPMENT BEING TESTED. LIGHTING IS PROVIDED THROUGH LEDS AND CONTROLLED THROUGH LOCAL DIMMING IN ALL SPACES. THIS IS IN ADDITION TO OCCUPANCY SENSORS THROUGHOUT THE SPACE PROVIDING AUTOMATIC SHUT-OFF CONTROLS.

## GENERAL NOTES

- MODIFICATIONS TO EXISTING POWER DISTRIBUTION EQUIPMENT: MATCH EXISTING MANUFACTURER, SWITCH TYPE, FUSE TYPE, BREAKER TYPE AND KAIC RATING FOR ALL INSTALLED DEVICES.
- EXISTING PANEL DIRECTORIES AT PANELS AFFECTED BY WORK: PROVIDE UPDATED TYPED PANEL DIRECTORY. CONSULT OWNER FOR INPUT ON LABELING OF ALL EXISTING CIRCUITS.
- DEVICES AND LIGHT FIXTURES DENOTED "ER" ARE EXISTING TO BE RELOCATED. NOTIFY AE IF DEVICES OR FIXTURES ARE DAMAGED.

## GENERAL SITE DEMOLITION NOTES

- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND DEMONSTRATION. COORDINATE WITH GENERAL CONSTRUCTION.
- DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

## GENERAL POWER NOTES

- VERIFY ANY NEUTRAL WIRES REQUIRED ON 10 OR 30 MECHANICAL UNITS FURNISHED UNDER DIVISION 23. IF REQUIRED, PROVIDE NEUTRAL.
- PROVIDE DEDICATED 120-VOLT CIRCUITS TO ALL HVAC GAS CONTROL DEVICES AND PANELS. COORDINATE QUANTITY WITH DIVISION 23. UTILIZE NEAREST SPARE 120-VOLT, 20A BREAKER. LABEL TYPED PANEL DIRECTORY ACCORDING TO LOAD BEING SERVED.
- IN ADDITION TO DEVICES SHOWN, SEE SCHEDULE SHEETS FOR CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- LOCATE SWITCHES FOR CONTROL OF FANS IN TWO-GANG BOX WITH LIGHT SWITCH WHERE APPLICABLE.
- PROVIDE #10AWG CONDUCTORS FOR ALL WARM AIR DRYER CIRCUITS. PROVIDE LOCKOUT DEVICE AT ALL BREAKERS SERVING WARM AIR DRYERS.

## GENERAL LIGHTING NOTES

- SEE LIGHT FIXTURE SCHEDULE AND SYMBOLS LEGEND FOR MOUNTING HEIGHTS, UNLESS NOTED OTHERWISE.
- PROVIDE #10AWG MINIMUM CONDUCTORS FOR ALL EXTERIOR LIGHTING CIRCUITS.
- SEE ARCHITECTURAL BUILDING ELEVATIONS FOR LOCATION OF BUILDING MOUNTED EXTERIOR LIGHT FIXTURES.
- PROVIDE BEAD OF SILICON SEALANT AROUND RECESSED BACK BOX PERIMETER AT ALL BUILDING MOUNTED EXTERIOR LIGHT FIXTURE LOCATIONS.
- CIRCUIT FIXTURES DENOTED WITH "N" AS UNSWITCHED NIGHT LIGHTS.
- FIXTURES DENOTED WITH LOWER CASE LETTERS SHALL BE CONTROLLED BY SWITCHES DENOTED WITH THE SAME LOWER CASE LETTER IN EACH ROOM.

## GENERAL DEVICE BOX NOTES

- SEE SYMBOLS LEGEND THIS SHEET FOR MOUNTING HEIGHTS UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF BOXES UNLESS NOTES OTHERWISE.
- PROVIDE BOX EXTENDER FOR FLUSH INSTALLATION OF DEVICES LOCATED IN ARCHITECTURAL CASEWORK THAT IS FLUSH WITH ADJACENT WALL (SUCH AS RECEPTACLES FOR GARBAGE DISPOSER).
- FLOOR BOXES: OBTAIN OWNER APPROVAL OF ALL BOX LOCATIONS PRIOR TO ROUGH IN. PROVIDE DEVICE PLATES AT DEVICES AND BLANK PLATES AT ALL UNUSED COMPARTMENTS.
- COORDINATE LOCATION OF DEVICE BOXES FOR SWITCHES, RECEPTACLES, AND SYSTEMS DEVICES WITH MARKERBOARDS. ADJUST BOX LOCATIONS TO AVOID MARKERBOARDS.
- COORDINATE LOCATION OF DEVICE BOXES FOR SWITCHES, RECEPTACLES, AND SYSTEMS DEVICES WITH TACKBOARDS. ADJUST BOX LOCATIONS TO AVOID TACKBOARDS. PROVIDE BOX EXTENDER FOR A FLUSH INSTALLATION WHERE DEVICES MUST BE MOUNTED AT TACKBOARD TACKWALL.
- CEILING MOUNTED RECEPTACLES: AT SUSPENDED CEILINGS, ROUTE POWER TO RECEPTACLE VIA FLEXIBLE METALLIC CONDUIT WITH 8-FOOT SERVICE LOOP. FEED FMC FROM A BOX PROPERLY SUPPORTED A MAXIMUM OF 24-INCHES ABOVE SUSPENDED CEILING OR AT BOTTOM OF STRUCTURE ABOVE, WHICHEVER IS LOWER. LOCATE J-BOX DIRECTLY ABOVE RECEPTACLE AND SUPPORT VIA STRUCTURE, OR VIA THREAD ROD AND STRUCTURAL HUNG FROM STRUCTURE ABOVE IN HIGH STRUCTURE APPLICATIONS.
- DEVICES RECESSED IN MILLIONS: BACK BOXES TO BE RECESSED FOR FLUSH INSTALLATION OF DEVICE AND WALLPLATE. EXTEND CONCEALED CONDUIT IN MILLION UP TO WALL ABOVE AND STUB OUT ABOVE ACCESSIBLE CEILING. IN AREAS WITH NO CEILING, EXTEND CONDUIT TOWARDS CABLING SPACE TO ABOVE NEAREST ACCESSIBLE CEILING.

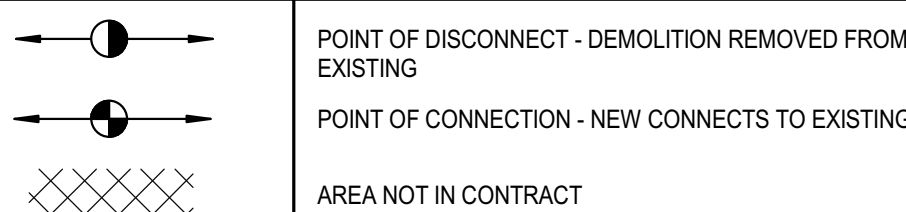
## GENERAL SYSTEMS NOTES

- DIVISION 26
- TELECOMMUNICATIONS OUTLETS: PROVIDE TWO-GANG BOX (2-26INCH DEEP MINIMUM) WITH SINGLE-GANG STRAP MOUNT PLASTER RING AND 1-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING (EXCEPTION: VOICE-ONLY OR VIDEO-ONLY SETS PER NOTE BELOW).
  - TELECOMMUNICATIONS OUTLET INDICATED AS ROUGH IN ONLY (NO SUBSCRIPTS): INSTALL PER NOTE ABOVE, WITH BLANK 302SS SINGLE-GANG WALLPLATE.
  - VOICE-ONLY OR VIDEO-ONLY TELECOMMUNICATIONS OUTLET: PROVIDE SINGLE-GANG BOX WITH 1-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING.
  - MISCELLANEOUS LOW VOLTAGE OUTLETS (CALL STATIONS, HANDSETS, VOLUME CONTROL, MICROPHONE OUTLETS, SURFACE MOUNT WALL SPEAKERS AND FIRE ALARM DEVICES): PROVIDE SINGLE-GANG BOX WITH 3/4-INCH CONDUIT STUBBED INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING.
  - INSULATED BUSBARS: PROVIDE BUSBARS ON ALL CONDUIT STUB UPS, INCLUDING BUT NOT LIMITED TO, OUTLETS FOR TELECOMMUNICATIONS, FIRE ALARM, SECURITY, ACCESS CONTROL, MASS NOTIFICATION, PUBLIC ADDRESS, ALL OTHER LOW VOLTAGE INTERMEDIARY COMMUNICATIONS AND UNUSED STUB-UPS OR STUB-UPS INDICATED FOR FUTURE USE.
  - FLOOR BOXES CONTAINING TELECOMMUNICATIONS OUTLETS: FOR EACH LOW-VOLTAGE COMPARTMENT, ROUTE 1-INCH CONDUIT WITH PULL STRING UNDER FLOOR, UP NEAREST WALL, AND STUB INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING. LABEL CONDUIT END FLOOR BOX.
  - SLEEVES FOR LOW VOLTAGE CABLES: PROVIDE 2-INCH SLEEVES UNLESS NOTED OTHERWISE. COORDINATE WITH PATH OF DUCTWORK AND OVER CEILING TO ENSURE ACCESSIBILITY. EXTEND SLEEVES AS REQUIRED. INSTALL ALL SLEEVES 4-INCHES ABOVE HIGHER CEILING OF TWO ADJACENT SPACES. REFER TO ROOM FINISH SCHEDULES AND REFLECTED CEILING PLANS FOR CEILING HEIGHTS. STUB SLEEVES INTO JOIST SPACE OF FINISHED ROOMS WITH EXPOSED STRUCTURE. PROVIDE INSULATED BUSBARS ON BOTH ENDS OF ALL SLEEVES, INCLUDING UNUSED SLEEVES. PROVIDE GROUT OR ESCUTCHEONS TO SECURE SLEEVES TO WALL. PROVIDE FIRE-RATED SLEEVES AT ALL FIRE-RATED WALLS.
  - PROVIDE ADDITIONAL CONDUIT, BOXES, CONDUCTORS AND OVERCURRENT PROTECTION FOR 120-VOLT BRANCH CIRCUITS NOT SPECIFICALLY COVERED UNDER DIVISION 26 WORK, BUT REQUIRED TO COMPLETE DIVISION 08 AND 28 WORK. DEVICES SHALL INCLUDE, BUT NOT BE LIMITED TO, POWER SUPPLIES FOR DOOR HARDWARE, ACCESS CONTROL, FIRE ALARM AND VIDEO SURVEILLANCE.
  - PROVIDE WATERFALL DROPOUTS AT ALL CABLE TRAY LOCATIONS ABOVE RUNWAYS, WALL/FLOOR MOUNTED RACKS, AND EQUIPMENT ENCLOSURES.
  - AUDIO VISUAL (AV) SYSTEMS: PROVIDE RECESSED BOXES, CONDUIT AND PULL STRINGS FOR ALL SYSTEM COMPONENTS.

## GENERAL DEMOLITION NOTES

- ITEMS INDICATED ON DEMOLITION PLANS ARE BASED ON AS-BUILT DRAWINGS AND FIELD OBSERVATIONS AND ARE INTENDED TO GIVE THE BIDDER A GENERAL REPRESENTATION OF EXISTING CONDITIONS.
- REMOVE ALL ITEMS SHOWN FULL-TONE OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED. DEMOLISH ADDITIONAL ITEMS NOT SHOWN ON DRAWINGS, BUT WHICH MUST BE REMOVED TO COMPLETE THE PROJECT.
- ITEMS SHOWN HALF-TONE ARE EXISTING TO REMAIN.
- RELOCATE ITEMS DENOTED "ER": SEE LIGHTING, POWER AND/OR SPECIAL SYSTEM SHEETS FOR NEW LOCATIONS. "ER" IS DEFINED AS EXISTING (TO BE) RELOCATED.
- EXISTING CONDUIT MAY REMAIN IF ALL THE FOLLOWING ARE TRUE:
  - A. IT CAN BE REUSED TO FEED DEVICES INSTALLED UNDER THIS CONTRACT.
  - B. IT DOES NOT INTERFERE WITH OTHER TRADES.
  - C. IT WAS ORIGINALLY INSTALLED MEETING SPECIFICATIONS RELATED TO THIS PROJECT.
  - D. IT WILL NOT BE EXPOSED IN A FINISHED AREA (UNLESS NOTED OTHERWISE).
- PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL EQUIPMENT TO BE REMOVED. IN ADDITION TO DEVICES SHOWN, REFER TO MECHANICAL AND ARCHITECTURAL DEMOLITION SHEETS TO DETERMINE EQUIPMENT TO BE REMOVED.
- MAINTAIN FUNCTIONALITY OF ALL EXISTING LOW VOLTAGE SYSTEMS INCLUDING, BUT NOT LIMITED TO, TELECOM CABLING NETWORKS, INTERCOM, CLOCKS, FIRE ALARM, SAFETY AND SECURITY DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY INTERCONNECTIONS AS REQUIRED TO ACCOMMODATE CONSTRUCTION SCHEDULE.

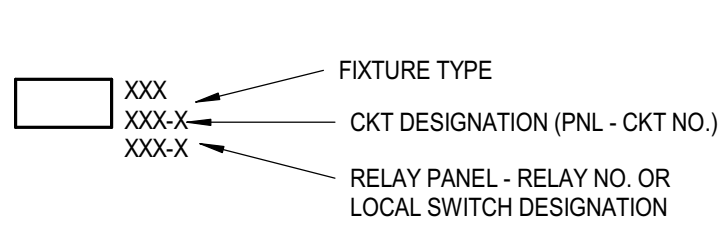
## GENERAL SYMBOLS



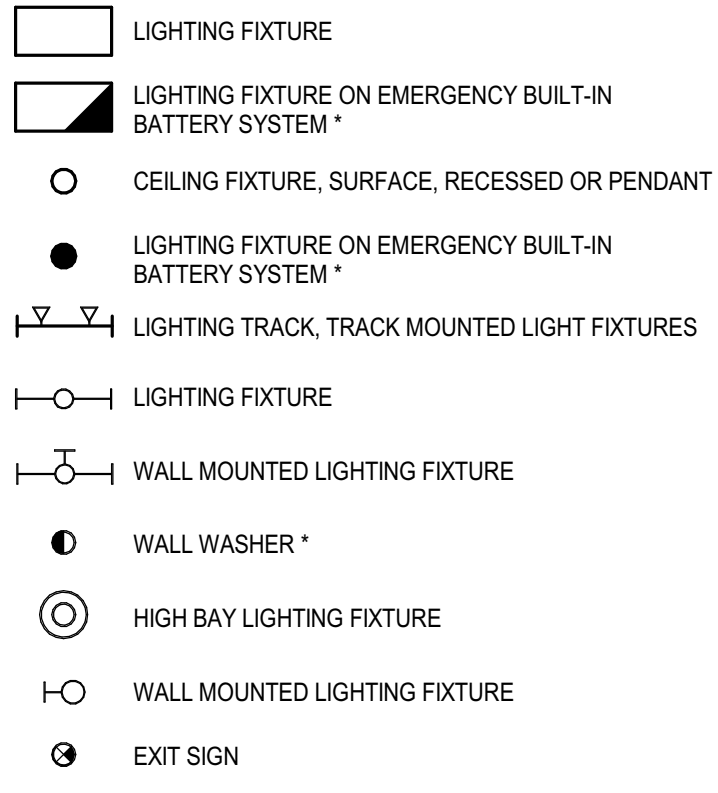
## ELECTRICAL SYMBOLS

### LIGHTING

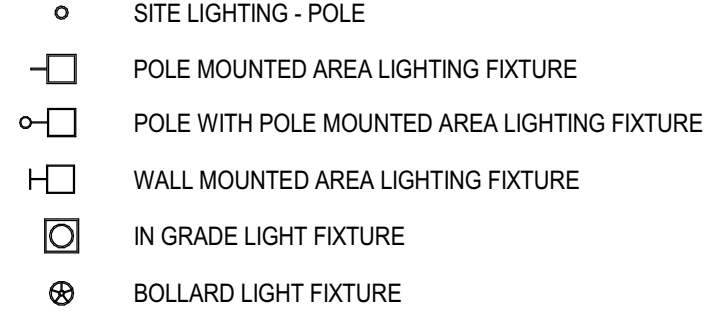
#### LIGHTING FIXTURE TAG



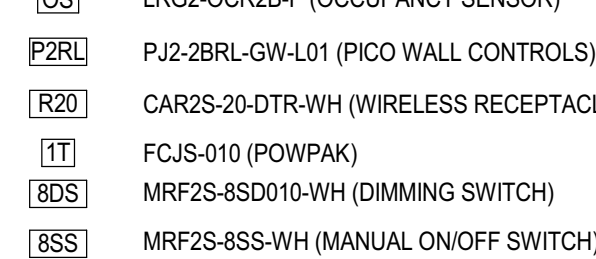
#### LIGHTING FIXTURES



#### AREA LIGHTING

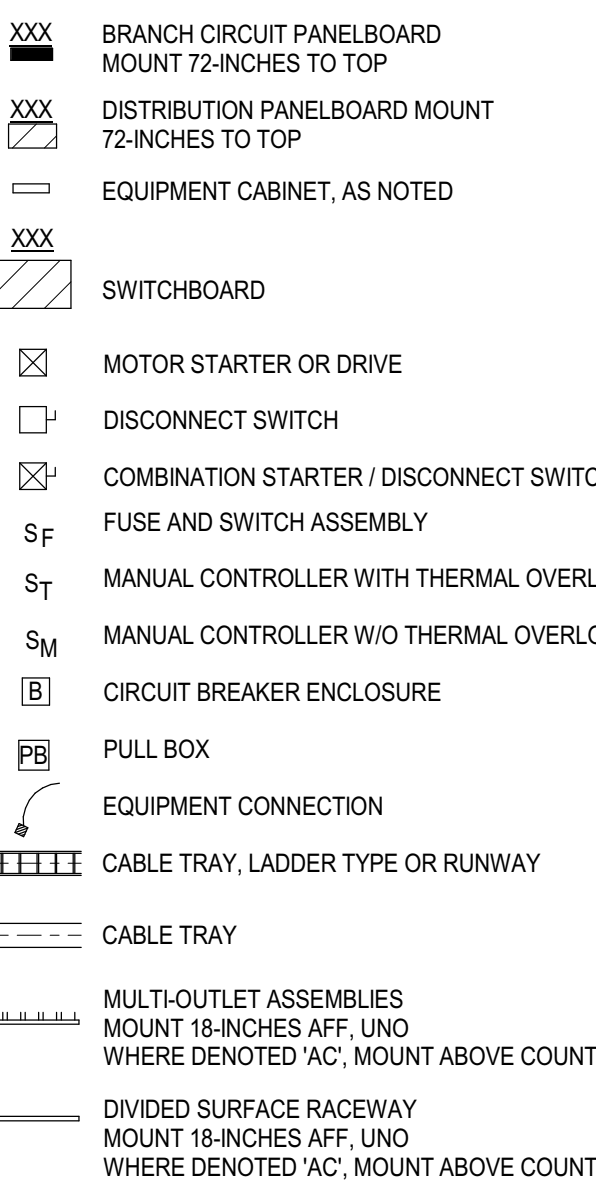
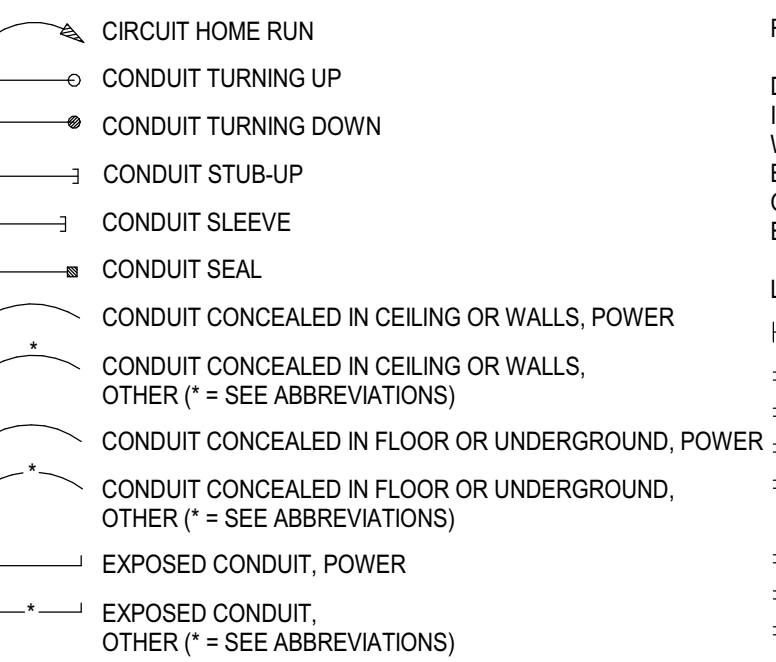


#### LUTRON LIGHTING CONTROL DEVICES



NOTES:  
(1) - PROVIDE 90 MIN. BATTERY BACKUP

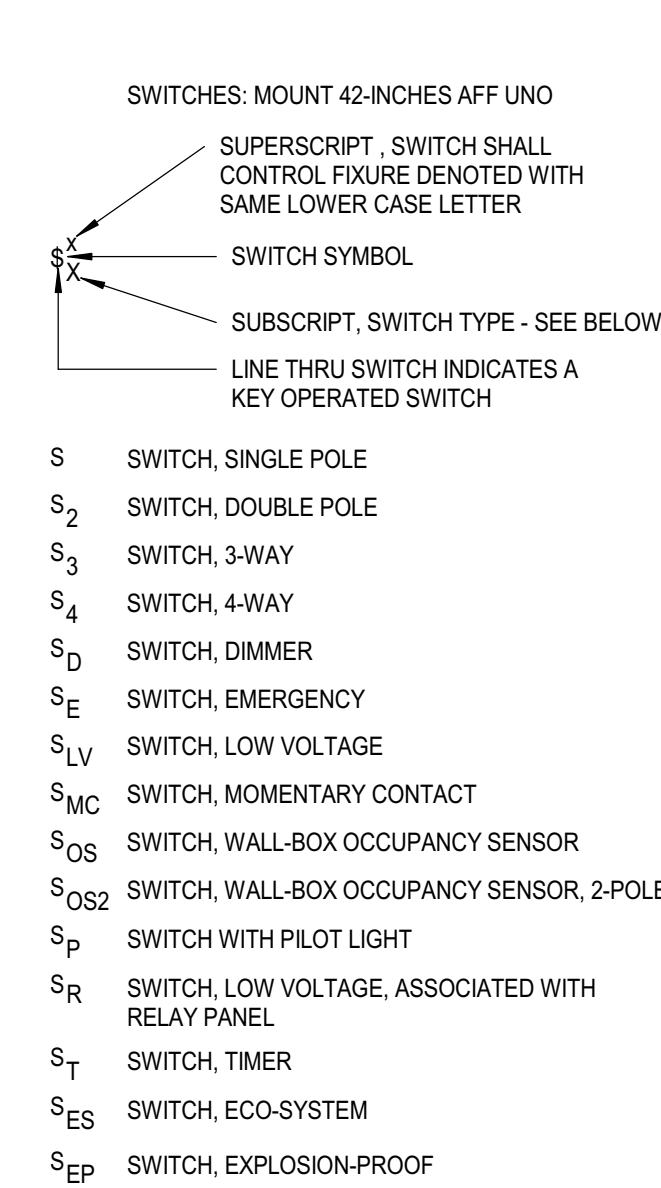
### POWER



### COMMUNICATIONS

- TELECOMMUNICATIONS OUTLETS: MOUNT 18-INCHES AFF, UNO, AND WITHIN 8-INCHES OF ADJACENT RECEPTACLE WHERE DENOTED "AC", MOUNT ABOVE COUNTER WHERE DENOTED "C", MOUNT FLUSH IN CEILING
- XY, Z TELECOMMUNICATIONS OUTLET PROVIDE JACKS UNDER A COMMON FACEPLATE:  
X = QTY OF VOICE JACKS  
Y = QTY OF DATA JACKS  
Z = QTY OF VIDEO JACKS
- TELECOMMUNICATIONS OUTLET WITH HDMI OUTLET FOR TV CONNECTION

#### SWITCHES AND WALL-BOX CONTROLS



APPLICABLE CODE: 2019 CBC

02/05/2020

REVISED: 02/14/2020

#### MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/120VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

#### PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE OR OSHPD OPM FOR 2013 CBC OR LATER, COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRAC LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☐ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND  
MP ☐ MD ☐ PP ☐ E ☒ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #\_0052-13\_

## CODE ANALYSIS

#### PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2020\*

2019 California Administrative Code (CAC), Part 1, Title 24 CCR  
2019 California Building Code (CBC), Part 2, Title 24 CCR  
(2018 International Building Code, Vol. 1 & 2, and 2019 California amendments)  
2019 California Electrical Code (CEC), Part 3, Title 24 CCR  
(2017 National Electrical Code and 2019 California Amendments)  
2019 California Mechanical Code (CMC), Part 4, Title 24 CCR  
(2018 IFPM Uniform Mechanical Code and 2019 California amendments)  
2019 California Plumbing Code (CPC), Part 5, Title 24 CCR  
(2018 IFPM Uniform Plumbing Code and 2019 California amendments)  
2019 California Energy Code (CEC), Part 6, Title 24 CCR  
2019 California Fire Code (CFC), Part 9, Title 24 CCR  
(2018 International Fire Code and 2019 California Amendments)  
2019 California Existing Building Code (CEBC), Part 10, Title 24 CCR  
(2018 International Existing Building Code and 2019 California Amendments)  
2019 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR  
2019 California Referenced Standards Code, Part 12, Title 24 CCR  
Title 19 CCR, Public Safety, State Fire Marshal Regulations  
2016 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators (per 2019 CBC Part 2 Ch 35)  
Note: Cal/OSHA Elevator Unit enforces CCR Title 8 and uses the 2004 ASME A17.1 by adoption

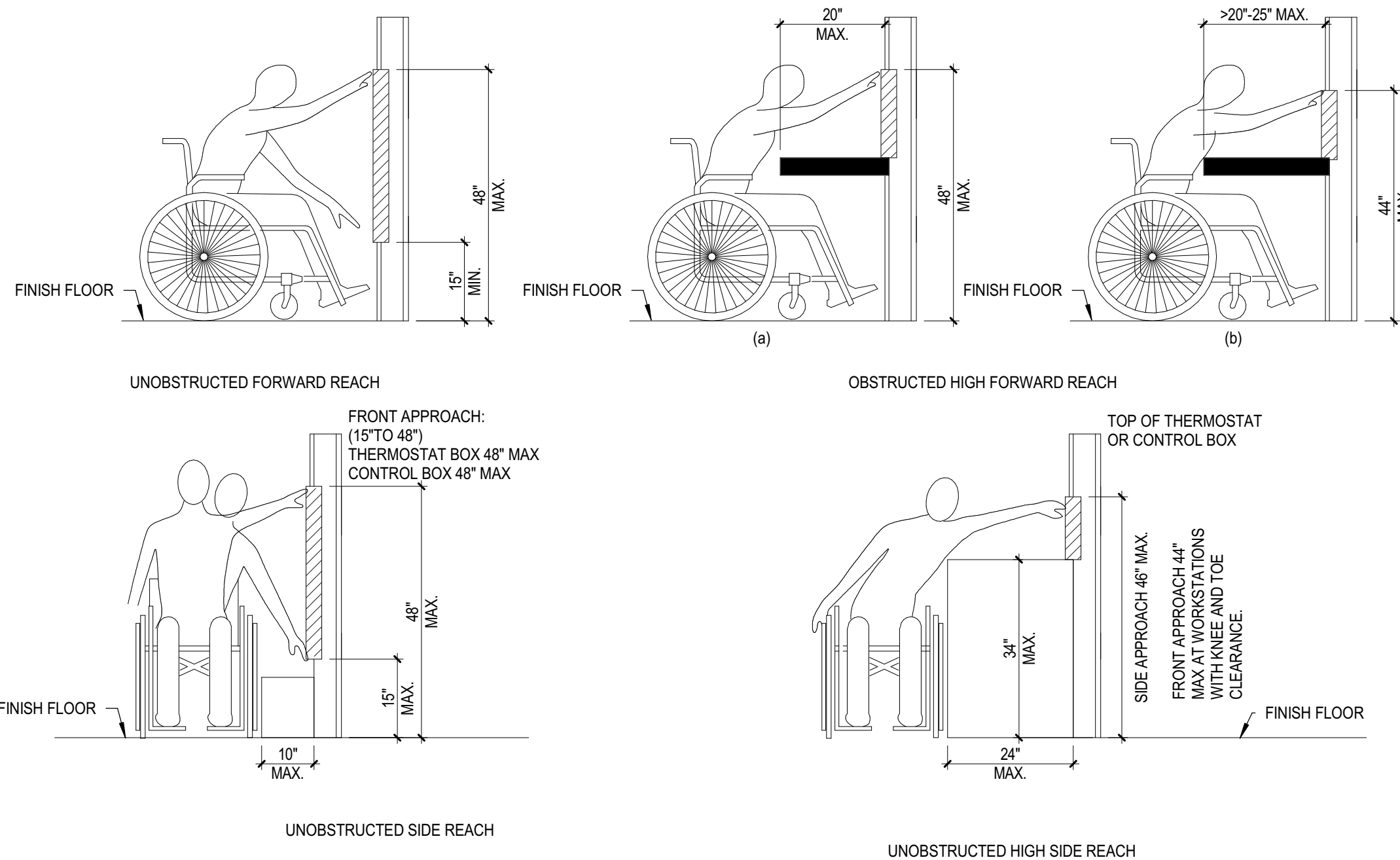
#### PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 - Standard for the Installation of Sprinkler Systems (CA amended).....2016 Edition  
NFPA 14 - Standard for the Installation of Standpipes and Hose Systems (CA amended).....2016 Edition  
NFPA 17 - Standard for Dry Chemical Extinguishing Systems.....2017 Edition  
NFPA 17A - Standard for Wet Chemical Extinguishing Systems.....2017 Edition  
NFPA 201 - Standard for the Installation of Stationary Pumps for Fire Protection.....2016 Edition  
NFPA 22 - Standard for Water Tanks for Private Fire Protection.....2013 Edition  
NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances (CA amended).....2016 Edition  
NFPA 72 - National Fire Alarm and Signaling Code (CA amended).....2016 Edition  
NFPA 80 - Standard for Fire Doors and Other Opening Protectives.....1999 Edition  
NFPA 2001 - Standard on Clean Agent Fire Extinguishing Systems (CA amended).....2015 Edition  
UL 300 - Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment.....2005 (R2010)  
UL 464 - Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories.....2003 Edition  
UL 521 - Standard for Heat Detectors for Fire Protective Signaling Systems.....1999 Edition  
UL 1971 - Standard for Signaling Devices for the Hearing Impaired.....2002 (R2010)  
ICC 308 - Standard for Bleachers, Folding and Telescopic Seating, and Grandstands.....2017 Edition

For a complete list of applicable NFPA standards refer to 2019 CBC (SFM) Chapter 35 and California Fire Code Chapter 6.

See California Building Code Chapter 35 for State of California amendments to the NFPA Standards.

\*All parts of the 2019 California Building Code become effective January 1, 2020 except the effective date for the use of the 2019 Building Energy Efficiency Standards (Title 24, Part 1, Chapter 10) is January 8, 2019 and the effective date for the use of the California Administrative Code (Title 24, Part 1, Chapter 4) is January 8, 2019.



#### NOTE:

- FIXTURES AND DEVICES ARE BASED ON 2019 CBC, FIGURE 11B-308.2.1 FOR UNOBSTRUCTED FORWARD REACH, FIGURE 11B-308.2.2 FOR OBSTRUCTED HIGH REACH, FIGURE 11B-308.3.1 FOR UNOBSTRUCTED SIDE REACH, AND FIGURE 11B-308.3.2 FOR OBSTRUCTED HIGH SIDE REACH.
- ALL THERMOSTATS AND CONTROLS SHALL BE INSTALLED AND COMPLIANT PER 2019 CBC 11B-308.3.
- PROVIDE 30"X12"X7"X19" 250 MIN. TOE KNEE CLEARANCE FOR FRONT APPROACH OVER OBSTRUCTION

Lighting Fixture Schedule									
TYPE	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	REMARKS	PROJECT	MODEL	DRAWING NUMBER	NOTES
L101	RECESSED REARTRIAL FLOOR LIGHT	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L102	SURFACE MOUNTED COMMERCIAL	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L103	EXTERIOR ABOVE DOOR WALLPACK	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L104	PENDANT MOUNTED COMMERCIAL	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L105	PENDANT MOUNTED COMMERCIAL	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L106	DOUBLE FACED EXIT SIGN	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM BATTERY PACK (OPT SCX-47-40W-36K) OR SIMILAR AS RECOMMENDED BY MANUFACTURER.
L107	DOUBLE FACED EXIT SIGN	1	100.00	100.00	100.00	WESTGATE	SCX-47-40W-36K	SCX-47-40W-36K	FOR FIXTURES SHOWN AS A SOLID DARK, PROVIDE EM



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STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: CCCC - DVC RENOVATIONS

Project Address: 321 GOLF CLUB RD

Report Page: (Page 1 of 7)

Date Prepared: 12/22/2021

CALIFORNIA ENERGY COMMISSION

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**A. GENERAL INFORMATION**

01 Project Location (city)

04 Total Conditioned Floor Area (ft²)

02 Climate Zone

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

07 Office

08 Retail

09 Warehouse

10 Hotel/Motel

11 School

12 Support Areas

13 Parking Garage

14 High-Rise Residential

15 Relocatable

16 Healthcare

17 Other (Write in)

18 Assembly

**B. PROJECT SCOPE**

This table includes all lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☐ New Lighting System

☐ New Lighting System - Parking Garage

☒ Altered Lighting System

Complete Building Method

525

525

Complete Building Method

0

Total Area of Work (ft²)

0

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: CCCC - DVC RENOVATIONS

Project Address: 321 GOLF CLUB RD

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I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS						
Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(d) are being used.						
Conditioned Spaces						
01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	PAF
Whole Building	NURSE STATION/ STUDENT UNION	0.95	525	498.75	No	Yes
TOTALS:			525	498.75	See Tables J, or P for detail	

**J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM**

This section does not apply to this project.

**K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE**

This section does not apply to this project.

**L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY**

This section does not apply to this project.

**M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING**

This section does not apply to this project.

**N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS**

This section does not apply to this project.

**O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE**

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

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**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Norman Patena Jr

Documentation Author Signature:

Company: DLR Group

Address: 700 S. Flower Street, Suite 2200

City/State/Zip: Los Angeles, CA 90017

Phone: (213) 590-6203

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: ROOZBEH MEHRKISH

Responsible Designer Signature:

Company: DLR Group

Address: 700 S. Flower Street, suite 2200

City/State/Zip: Los Angeles CA 90017

Date Signed: 2021-12-22

License: E19355

Phone: (213) 519-6998

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

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**C. COMPLIANCE RESULTS**

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1)

01

02

03

04

05

06

07

08

09

Complete Building

Area Category Additional

Tailored

Total Allowed (Watts)

Total Designed (Watts)

PAF Lighting Control Credit (-)

Total Adjusted (Watts)

\*Includes Adjustments

05 must be >= 08 §140.6

Conditioned

Unconditioned

368

498.75

309

3

306

COMPLIES

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE									
This table includes all permanent designed lighting and all portable lighting in offices.									
Designed Wattage: Conditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change¹	Watts per luminaire²	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)(2)	Design Watts	Field Inspector
L-01E	L-01E	No	No	27	CEC Default	7	No	189	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: CCCC - DVC RENOVATIONS

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P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))													
This table includes all areas indicated in Table I or Table K as using a PAF credit described in §140.6(a)(2).													
Conditioned Spaces													
01		02						03	04	05	06	07	
Area Description	PAF per §140.6(a)(2) 1						Luminaires Controlled for PAF Credit						
	1	2A	2B	2C	3A	3B	4	5	6	7	Luminaire Name or Item Tag	Luminaire Design Watts	
	Pick up to one						Pick up to one						
STORAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L-01E	27	
08												09	
<input type="checkbox"/>	All spaces applying PAF 5, 6 or 7 include a daylight design meeting requirements in §140.3(d). See Table S.											Total Power Adjustment (Watts) CONDITIONED SPACES:	2.7

¹ FOOTNOTES: PAFs outlined in Table 140.6(a) include 1) Daylight dimming plus OFF; 2A) Occupant sensors in offices 125 ft²; 2B) Occupant sensors in offices 126 - 250 ft²; 2C) Occupant sensors in offices 251 - 500 ft²; 3A) Institutional tuning, non-daylit areas and 3B) Institutional tuning, daylit areas; 4) Demand response; 5) Clerestory fenestration; 6) Horizontal slots; 7) Light shelves.

**Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS**

This section does not apply to this project.

**R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS**

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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STATE OF CALIFORNIA

Outdoor Lighting

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Project Address: 321 GOLF CLUB RD

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Date Prepared: 1/3/2022

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

NRCC-LTI-E

**A. GENERAL INFORMATION**

01 Project Location (city)

02 Climate Zone

03 Outdoor Lighting Zone per Title 24 Part 1 §10.11.4 or as designated by Authority Having Jurisdiction (AHJ):

04 Total Illuminated Hardscape Area (ft²)

☐ L2-0: Very Low - Undeveloped Parkland

☐ L2-2: Moderate - Rural Areas

☐ L2-4: High - Must be reviewed by CA Energy Commission for Approval

☒ L2-1: Low - Developed Parkland

☒ L2-3: Moderately High - Urban Areas

**B. PROJECT SCOPE**

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.

My Project Consists of:

01

02

☐ New Lighting System

☒ Altered Lighting System

Must Comply with Allowances from §140.7

Is your alteration increasing the connected lighting load (Watts)?

☒ Yes

☐ No

03

04

05

% of Existing Luminaires Being Altered¹

Sum Total of Luminaires Being Added or Altered

Calculation Method

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

Phase proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: CCCC - DVC RENOVATIONS

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F. INDOOR LIGHTING FIXTURE SCHEDULE									
L-02	L-02	No	No	40	CEC Default	3	No	120	<input type="checkbox"/>
Total Designed Watts: CONDITIONED SPACES								309	<input type="checkbox"/>

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4B) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

**G. MODULAR LIGHTING SYSTEMS**

This section does not apply to this project.

**H. INDOOR LIGHTING CONTROLS (Not including PAFs)**

This table includes lighting controls for conditioned and unconditioned spaces. When a control having a \* is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls											
01				02				03			
Mandatory Demand Response §110.12(c)				Shut-off controls §130.1(c)				Field Inspector			
								Pass		Fail	
Required > 10,000 SF				Whole Building Auto Time Switch							
Area Level Controls											
04		05		06	07	08	09	10	11	12	
Area Description		Complete Building or Area Category Primary Function Area		Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)(1)	Field Inspector	
								Pass		Fail	
								13			
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(b)(2)								Plan Sheet Showing Daylit Zones:			

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: CCCC - DVC RENOVATIONS

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**S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)**

This table documents clerestories, horizontal slots or light shelves meet the requirements in §140.3(d). If a Power Adjustment Factor was claimed on Table P. These features must be documented on the architectural plans or where appropriate within the construction documents. This PAF also must be verified in the field with an acceptance test per Table U.

01

Compliance Strategy

Field Inspector

Pass

Fail

**T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/)

Yes

No

Form/Title

Field Inspector

Pass

Fail

☒ NRCL-LTI-01-E - Must be submitted for all buildings

☐ Pass ☐ Fail

☒ NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

☐ Pass ☐ Fail

☐ NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.

☐ Pass ☐ Fail

☐ NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

☐ Pass ☐ Fail

☐ NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

☐ Pass ☐ Fail

**U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Yes

No

Form/Title

Field Inspector

Pass

Fail

☒ NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

☐ Pass ☐ Fail

☒ NRCA-LTI-03-A - Must be submitted for automatic daylight controls.

☐ Pass ☐ Fail

☐ NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

☐ Pass ☐ Fail

☐ NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)

☐ Pass ☐ Fail

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

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C. COMPLIANCE RESULTS									
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.									
Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)									
01	02	03	04	05	06	07	08	09	
General Hardscape Allowance §140.7(d)(1) (See Table I)	Per Application §140.7(d)(2) (See Table J)	Sales Frontage §140.7(d)(2) (See Table K)	Ornamental §140.7(d)(2) (See Table L)	Per Specific Area §140.7(d)(2) (See Table M)	Existing Power Allowance §141.0(b)(2) (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08	
410	+	---	+	---	+	---	OR	---	=
Cutoff Compliance (See Table G for Details)						410	≥	64	COMPLIES
Controls Compliance (See Table H for Details)									N/A
									COMPLIES

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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DSA APPROVAL STAMP



DLR



STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

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CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: CCCC - DVC RENOVATIONS

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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire <sup>1,2</sup>	How is Wattage determined	Total number luminaires <sup>2</sup>	Luminaire Status <sup>3</sup>	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b) <sup>4</sup>	Field Inspector Pass Fail
L-03	L-03	<input type="checkbox"/> Linear	32	CEC Default	2	New	<input type="checkbox"/>	64 NA: < 6,200 lumens	<input type="checkbox"/> <input type="checkbox"/>
Total Design Watts:							64		

\* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved.  
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)  
\*FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)  
<sup>1</sup> For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.  
<sup>2</sup> For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.  
<sup>3</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.  
<sup>4</sup> Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: CCCC - DVC RENOVATIONS

Report Page: (Page 6 of 7)

Project Address: 321 GOLF CLUB RD

Date Prepared: 1/3/2022

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NRC/

Yes	No	Form/Title	Field Inspector Pass Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-01-E - Must be submitted for all buildings	<input type="checkbox"/> <input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Yes	No	Form/Title	Field Inspector Pass Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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Date Prepared: 1/31/2022

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1)	Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05	06	07	08	09		
	Complete Building §140.6(c)(1)	Area Category §140.6(c)(2)	Area Category Additional §140.6(c)(3) (+)	Tailored §140.6(c)(3) (+)	Total Allowed (Watts)	Total Designed (Watts)	PAF Lighting Control Credits §140.6(a)(2) (-)	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 §140.6		
(See Table I)	(See Table I)	(See Table J)	(See Table K)	=	=	(See Table F)	(See Table P)	=			
Conditioned	1,080				= 1,080	≥ 720	72	= 648	COMPLIES		
Unconditioned					=	≥	=				
Controls Compliance (See Table H for Details)										COMPLIES	
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire <sup>2</sup>	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)(3)	Design Watts	Field Inspector Pass Fail
L-04	L-04	No	No	40	CEC Default	6	No	240	<input type="checkbox"/> <input type="checkbox"/>

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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NRCC-LTO-E

Project Name: CCCC - DVC RENOVATIONS

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Date Prepared: 1/3/2022

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are required to remain (i.e. untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Mandatory Controls

01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector Pass Fail
* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)(2)				

Registration Number:

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Registration Provider: Energysoft

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Project Name: CCCC - DVC RENOVATIONS

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Project Address: 321 GOLF CLUB RD

Date Prepared: 1/3/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORMAN PATENA JR

Signature Date: 2022-01-03

Company: DLR Group

Address: 700 South Flower Street, Suite 2200

City/State/Zip: Los Angeles, California, 90004

Phone: (213) 590-6204

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Verify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building owner at occupancy.

Responsible Designer Name: ROOZBEH MEHRKISH

Responsible Designer Signature: [Signature]

Signature Date: 2022-01-03

Company: DLR Group

Address: 700 South Flower Street, Suite 2200

City/State/Zip: Los Angeles CA 90017

Phone: (213) 519-6998

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Date Prepared: 1/31/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE

L-05	No	No	80	CEC Default	6	No	480	<input type="checkbox"/>	<input type="checkbox"/>
Total Designed Watts: CONDITIONED SPACES							720		

\*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4B) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.  
\*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces. When a control having a \* is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01	02	03
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector Pass Fail
Required > 10,000 SF	Whole Building Auto Time Switch	<input type="checkbox"/> <input type="checkbox"/>

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky-lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)(1)	Field Inspector Pass Fail
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)(2)								
Plan Sheet Showing Daylit Zones:								

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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Project Name: CCCC - DVC RENOVATIONS

Report Page: (Page 5 of 7)

Project Address: 321 GOLF CLUB RD

Date Prepared: 1/3/2022

I. LIGHTING POWER ALLOWANCE (per §140.7)

This table includes areas using allowance calculations per §140.7, General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)

This section does not apply to this project.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	9	10
Area Description	Surface Type	Area Wattage Allowance (AWA)		Area Wattage Allowance (AWA)		Total General AWA + LWA (Watts)		
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft²)	Linear Allowance (Watts)	
HARDSCAPES	Concrete	400	0.03	12	120	0.4	48	60
Initial Wattage Allowance for Entire Site (Watts):								350
Total General Hardscape Allowance (Watts):								410

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)(2) for indoor lighting scopes using the prescriptive path.

Project Name: CCCCDD - DVC RENOVATIONS

Report Page: (Page 1 of 7)

Project Address: 321 GOLF CLUB RD

Date Prepared: 1/31/2022

A. GENERAL INFORMATION

01 Project Location (city)	PLEASANT HILL	04 Total Conditioned Floor Area (ft²)	1,543
02 Climate Zone	12	05 Total Unconditioned Floor Area (ft²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office	<input type="checkbox"/> Retail	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel
<input type="checkbox"/> Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare
		<input checked="" type="checkbox"/> School	<input type="checkbox"/> Support Areas
		<input type="checkbox"/> Other (Write in)	<input type="checkbox"/> Assembly

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Scope of Work	Conditioned Spaces	Unconditioned Spaces		
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
<input type="checkbox"/> New Lighting System				
<input type="checkbox"/> New Lighting System - Parking Garage				
<input checked="" type="checkbox"/> Altered Lighting System	Complete Building Method	1543	Complete Building Method	0
Total Area of Work (ft²)	1543			0

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Registration Date/Time:

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Project Name: CCCCDD - DVC RENOVATIONS

Report Page: (Page 4 of 7)

Project Address: 321 GOLF CLUB RD

Date Prepared: 1/31/2022

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Conditioned Spaces

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Whole Building	School Building	0.7	1,543	1,080.1	No Yes
TOTALS:			1,543	1,080.1	See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

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DSA APPROVAL STAMP



DLR Group

225 Montgomery Street, Suite 350, San Francisco, CA 94104

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DVC

DSA APP: 01-119997  
DSA FILE: 07-C1

DVC - Print Shop, Student Success, & Health Services Renovation

CCCCDD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
SHEET NOTES

TITLE 24 FORMS

E0.4



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Project Name: 321 GOLF CLUB RD

Date Prepared: 1/31/2022

Project Address: 321 GOLF CLUB RD

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This table includes all areas indicated in Table I or Table K as using a PAF credit described in §140.6(a)(2).

Conditioned Spaces

01 Area Description	02 PAF per §140.6(a)(2) <sup>1</sup>							03 Luminaires Controlled for PAF Credit		06 Lighting Controlled (Watts)	07 Control Credit Power Adjustments (Watts)				
	1	2A	2B	2C	3A	3B	4	5	6			7			
	Pick up to one			Pick up to one			Pick up to one								
CLASSROOM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L-04	40	3	120	12.0	
CLASSROOM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L-05	80	3	240	24.0	
CLASSROOM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L-04	40	3	120	12.0	
CLASSROOM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L-05	80	3	240	24.0	
08										09					
<input type="checkbox"/>	All spaces applying PAF 5, 6 or 7 include a daylight design meeting requirements in §140.3(d). See Table 5.										Total Power Adjustment (Watts) CONDITIONED SPACES:		72.0		

<sup>1</sup> FOOTNOTES: PAFs outlined in Table 140.6.A include 1) Daylight dimming plus OFF; 2A) Occupant sensors in offices (after) 125 ft²; 2B) Occupant sensors in offices 126 - 250 ft²; 2C) Occupant sensors in offices 251 - 500 ft²; 3A) Institutional tuning, non-daylit areas and 3B) Institutional tuning, daylit areas; 4) Demand response; 5) Clerestory fenestration; 6) Horizontal slots; 7) Light shelves.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

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Project Name: 321 GOLF CLUB RD

Date Prepared: 1/31/2022

Project Address: 321 GOLF CLUB RD

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This table documents clerestories, horizontal slats or light shelves meet the requirements in §140.3(d). If a Power Adjustment Factor was claimed on Table P These features must be documented on the architectural plans or where appropriate within the construction documents. This PAF also must be verified in the field with an acceptance test per Table U.

01

Compliance Strategy

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NRCI/

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	<input type="checkbox"/>	<input type="checkbox"/>

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NRCC-LTI-E

Project Name: 321 GOLF CLUB RD

Date Prepared: 1/31/2022

Project Address: 321 GOLF CLUB RD

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Norman Patena Jr.

Documentation Author Signature: Norman Patena Jr.

Company: DLR Group

Signature Date: 2022-01-31

Address: 700 S. Flower St., Suite 2200

City/State/Zip: Los Angeles, CA, 90017

Phone: (213) 590-6203

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building owner at occupancy.

Responsible Designer Name: ROOZBEH MEHRKISH

Responsible Designer Signature: Roozbeh Mehrkish

Company: DLR Group

Date Signed: 2022-01-31

Address: 700 S. Flower Street, suite 2200

License: E19305

City/State/Zip: Los Angeles CA 90017

Phone: (213) 519-6998

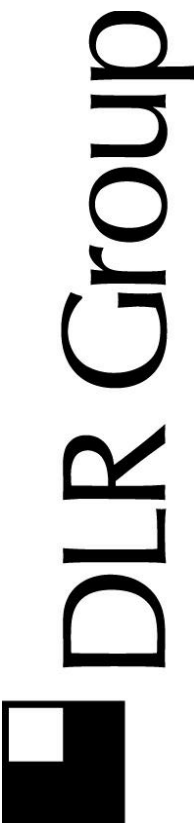
Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003  
Schema Version: rev 20200601

Registration Provider: Energysoft

Report Generated: 2022-01-31 14:39:42

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DSA FILE: 07-C1

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CCCCD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

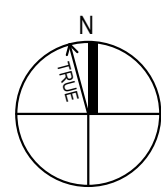
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SHEET NOTES

TITLE 24 FORMS

E0.5



BM 360/775-21809-00 CCCCDD - Print Shop Relocation/75-21809-00\_Print Shop MEP\_2020.rvt  
4/8/2022 4:02:42 PM



HEALTH SERVICES INSIDE THE STUDENT UNION BUILDING - LEVEL 01 - ELECTRICAL DEMOLITION PLAN

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

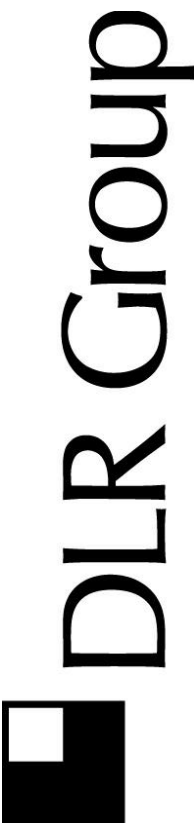


LEGEND AND NOTES

GENERAL NOTES

- A EACH BIDDER SHALL VISIT THE SITE DURING THE BID PERIOD TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK AS INDICATED ON THE BID DOCUMENTS. THE BIDDER SHALL NOTIFY THE ARCHITECT FOR ANY VARIATIONS BETWEEN DESIGN INTENT AS SHOWN ON THE BID DOCUMENTS AND EXISTING CONDITIONS OBSERVED IN THE FIELD. OBSERVED DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING FIELD CONDITIONS SHALL BE SUBMITTED IN WRITING BY THE DEADLINE FOR QUESTIONS. PRIOR TO THE ISSUANCE OF THE FINAL ADDENDUM TO ALL BIDDERS. FAILURE TO SUBMIT SHALL NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES TO PROVIDE A COMPLETELY FUNCTIONAL SYSTEM AS INDICATED OR INFERRED BY THE CONTRACT DOCUMENTS. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, PARTS, AND MATERIALS TO ATTAIN DESIGN INTENT.
- B CONTRACTOR TO COORDINATE LIMITS OF DEMOLITION WITH OTHER DISCIPLINE DRAWINGS.

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SHEET NOTES

- 1 DEVICES ON CIRCUIT ARE TO BE REMOVED. PROTECT IN PLACE ALL CIRCUITS FOR REUSE.
- 2 DEVICE TO BE REMOVED AND RELOCATED TO 15" AFF FROM BASE OF DEVICE TO FLOOR.



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DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

BID SET

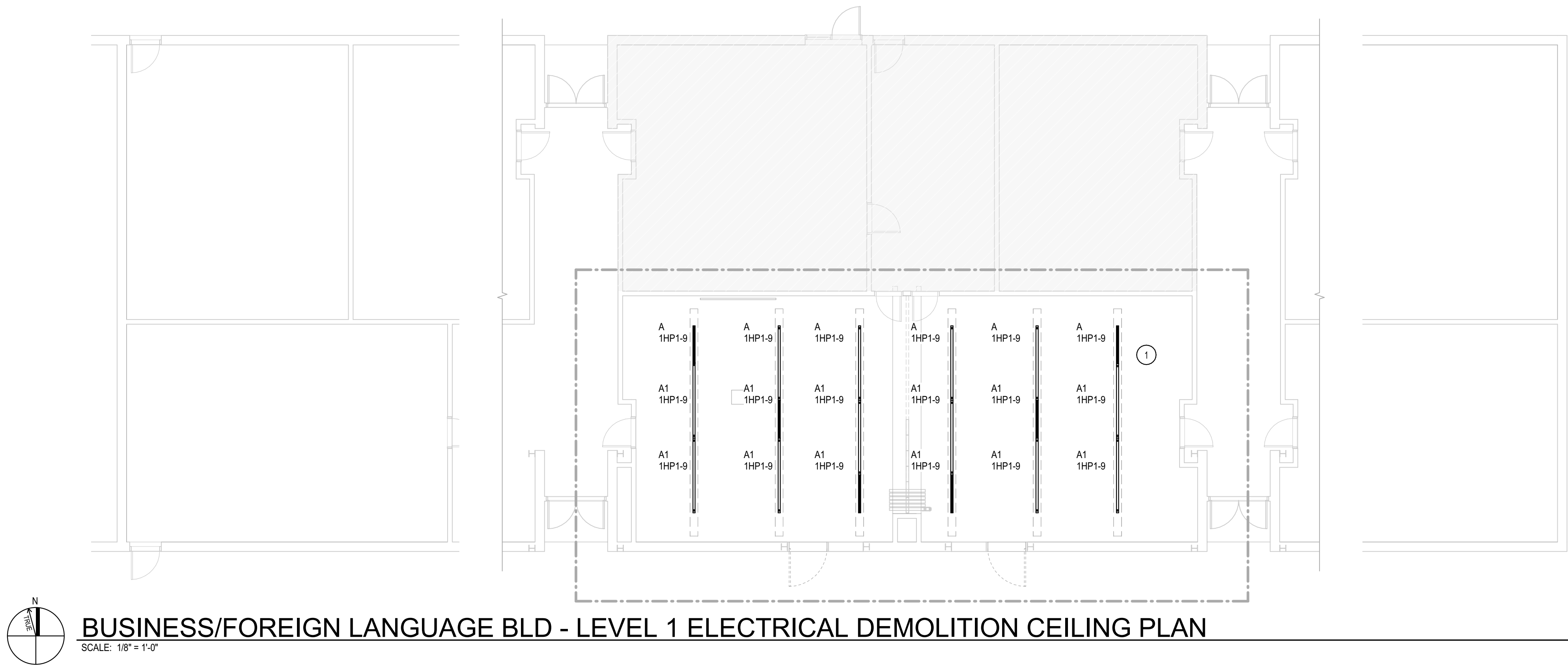
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Revisions

DLR GROUP PROJECT NUMBER:  
SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 ELECTRICAL  
DEMOLITION PLAN

ED1.10



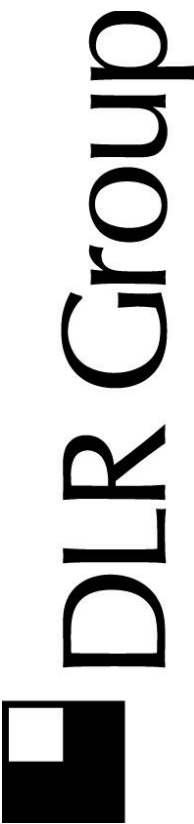


LEGEND AND NOTES

GENERAL NOTES

- A EACH BIDDER SHALL VISIT THE SITE DURING THE BID PERIOD TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK AS INDICATED ON THE BID DOCUMENTS. THE BIDDER SHALL NOTIFY THE ARCHITECT FOR ANY VARIATIONS BETWEEN DESIGN INTENT AS SHOWN ON HE BID DOCUMENTS AND EXISTING CONDITIONS OBSERVED IN THE FIELD. OBSERVED DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING FIELD CONDITIONS SHALL BE SUBMITTED IN WRITING BY THE DEADLINE FOR QUESTIONS PRIOR TO THE ISSUANCE OF THE FINAL ADDENDUM TO ALL BIDDERS. FAILURE TO SUBMIT SHALL NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES TO PROVIDE A COMPLETELY FUNCTIONAL SYSTEM AS INDICATED OR INFERRED BY THE CONTRACT DOCUMENTS. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, PARTS, AND MATERIALS TO ATTAIN DESIGN INTENT.
- B CONTRACTOR TO COORDINATE LIMITS OF DEMOLITION WITH OTHER DISCIPLINE DRAWINGS.

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SHEET NOTES

- 1 DEVICES SHOWN ARE TO BE REMOVED AND REPLACED. PROTECT IN PLACE EXISTING CIRCUIT FOR REUSE.



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DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

BID SET

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Revisions

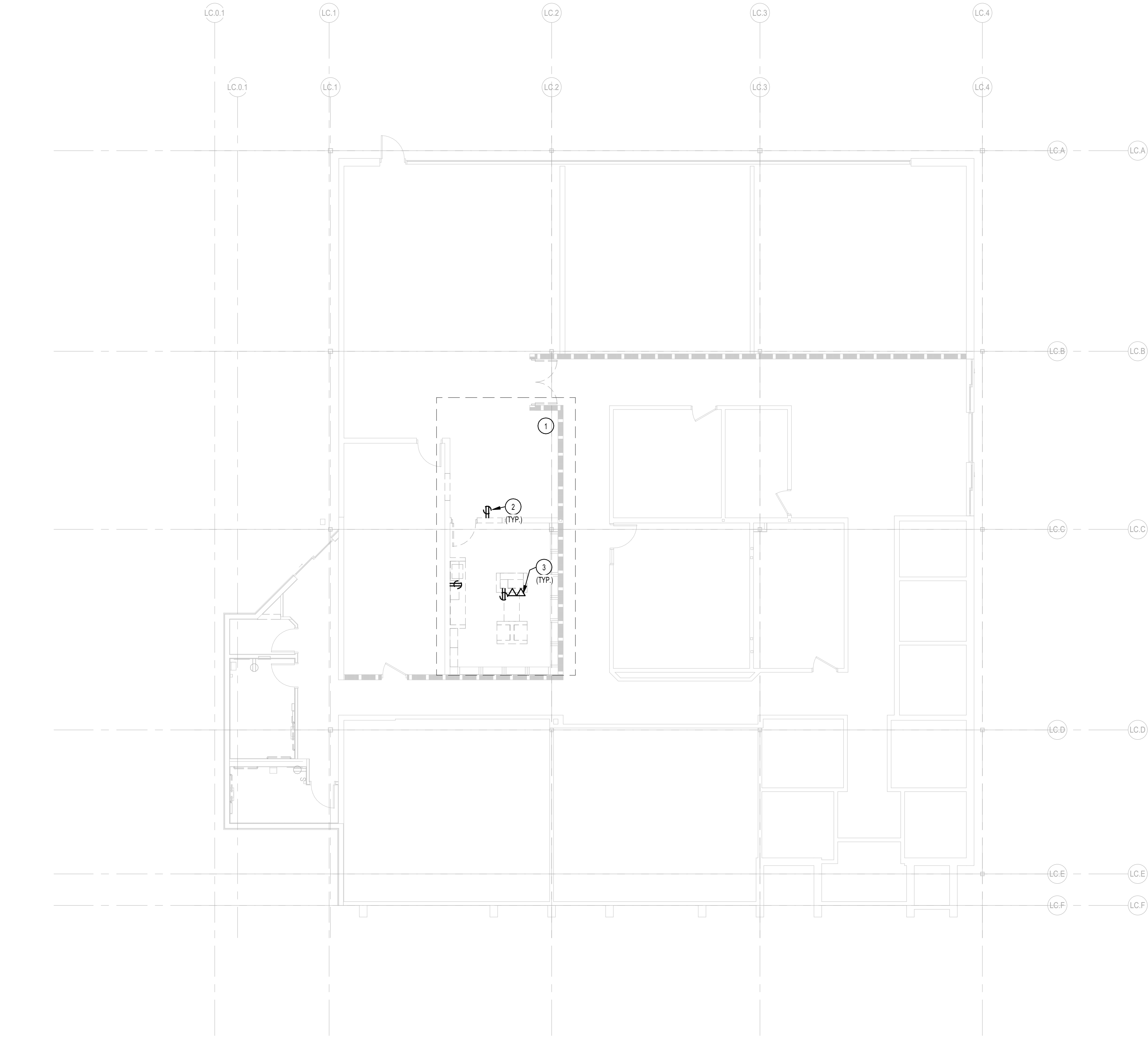
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG - LEVEL 1  
ELECTRICAL DEMOLITION  
PLAN

ED1.20



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4/8/2022 4:02:45 PM



STUDENT SERVICES - LEARNING CENTER - LEVEL 1 ELECTRICAL DEMOLITION  
SCALE: 1/8" = 1'-0"

## LEGEND AND NOTES

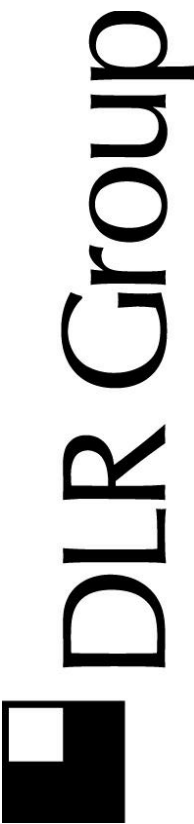
### GENERAL NOTES

- A EACH BIDDER SHALL VISIT THE SITE DURING THE BID PERIOD TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK AS INDICATED ON THE BID DOCUMENTS. THE BIDDER SHALL NOTIFY THE ARCHITECT FOR ANY VARIATIONS BETWEEN DESIGN INTENT AS SHOWN ON HE BID DOCUMENTS AND EXISTING CONDITIONS OBSERVED IN THE FIELD. OBSERVED DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING FIELD CONDITIONS SHALL BE SUBMITTED IN WRITING BY THE DEADLINE FOR QUESTIONS PRIOR TO THE ISSUANCE OF THE FINAL ADDENDUM TO ALL BIDDERS. FAILURE TO SUBMIT SHALL NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES TO PROVIDE A COMPLETELY FUNCTIONAL SYSTEM AS INDICATED OR INFERRED BY THE CONTRACT DOCUMENTS. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, PARTS, AND MATERIALS TO ATTAIN DESIGN INTENT.
- B CONTRACTOR TO COORDINATE LIMITS OF DEMOLITION WITH OTHER DISCIPLINE DRAWINGS.

### SHEET NOTES

- 1 REMOVE EXISTING ALARM SYSTEM AND ASSOCIATED EQUIPMENT FOR THIS DOUBLE DOOR.
- 2 DEMOLISH EXISTING WIRING DEVICES, RACEWAYS, BRANCH FEEDERS, AND WIRES AND OTHER RELATED APPURTENANCES.
- 3 DEMOLISH ASSOCIATED RACEWAYS AND RELATED APPURTENANCES FOR EXISTING DATA OUTLETS, WIRE ACCESS POINTS, AND OTHER LOW VOLTAGE DEVICES.

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Revisions

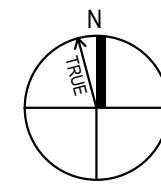
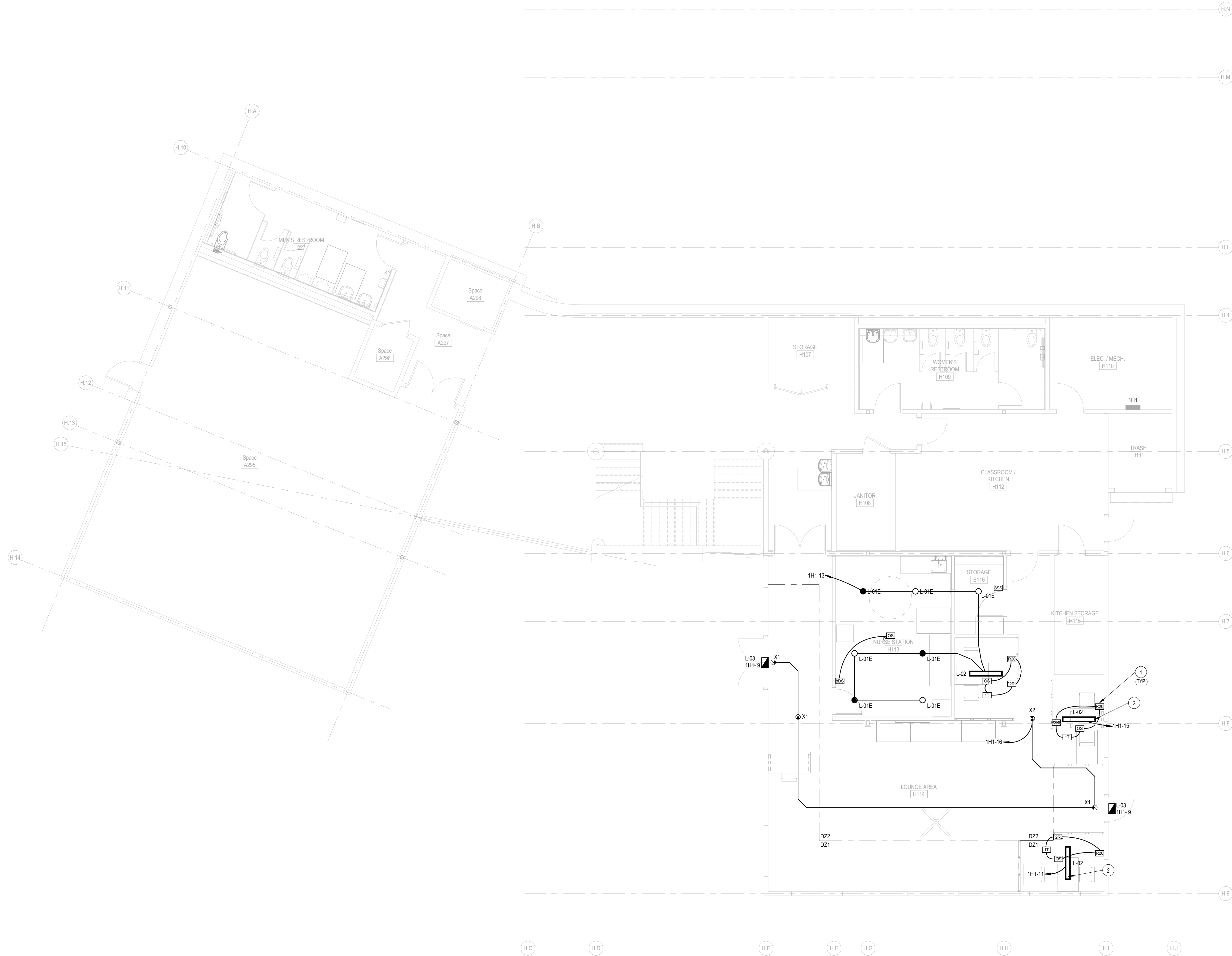
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STUDENT SERVICES -  
LEARNING CENTER - LEVEL 1  
ELECTRICAL DEMOLITION  
PLAN

ED1.22



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4/8/2022 4:02:29 PM



## HEALTH SERVICES INSIDE OF THE STUDENT UNION BUILDING - LEVEL 1 - LIGHTING PLAN

SCALE: 3/16" = 1'-0"

### LEGEND AND NOTES

#### GENERAL NOTES

#### SHEET NOTES

- 1 DEVICES SHOWN ARE DIAGRAMATIC ONLY. QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS ARE ESTIMATIONS AND WILL NEED COORDINATION WITH THE LIGHTING CONTROLS MANUFACTURER AND OWNER.
- 2 NEW LIGHT FIXTURE TO BE ADDED TO AN EXISTING CIRCUIT.

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**DVC**

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PLEASANT HILL, CA 94523

#### BID SET

03/28/2022  
Revisions

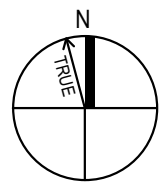
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - LIGHTING PLAN

E1.10



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4/8/2022 4:02:30 PM



HEALTH SERVICES INSIDE OF THE STUDENT UNION BUILDING - LEVEL 1 - LIGHTING PLAN

SCALE: 3/16" = 1'-0"



EM PHOTOMETRIC RESULTS:  
H111  
AVERAGE: 6.0FC  
MAXIMUM: 13.2FC  
MINIMUM: 0.8FC  
AVERAGE MIN: 7.51

SHEET NOTES	
Keynote Number	Keynote Description
1	VALUES SHOWN ARE UNDER EMERGENCY CONDITIONS

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**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

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PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

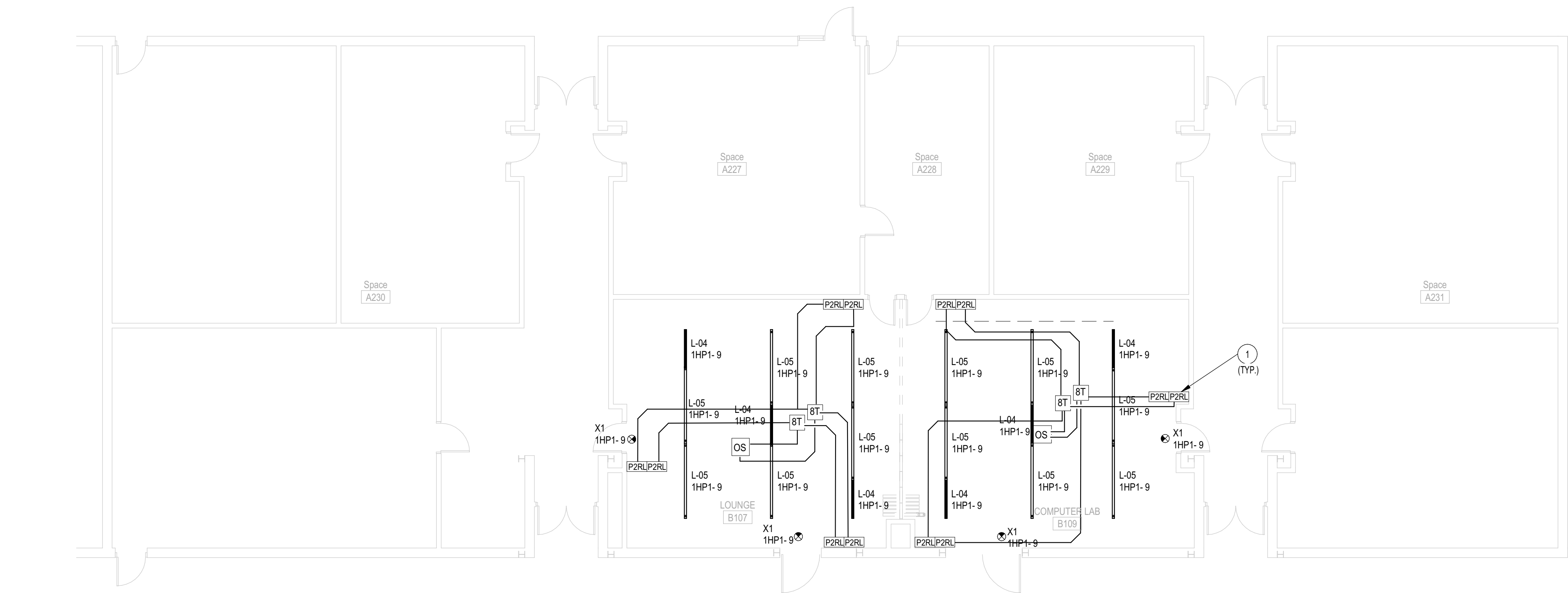
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 1 EM PHOTOMETRICS

E1.11



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 **BUSINESS / FOREIGN LANGUAGE BUILDING - LEVEL 01 - LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

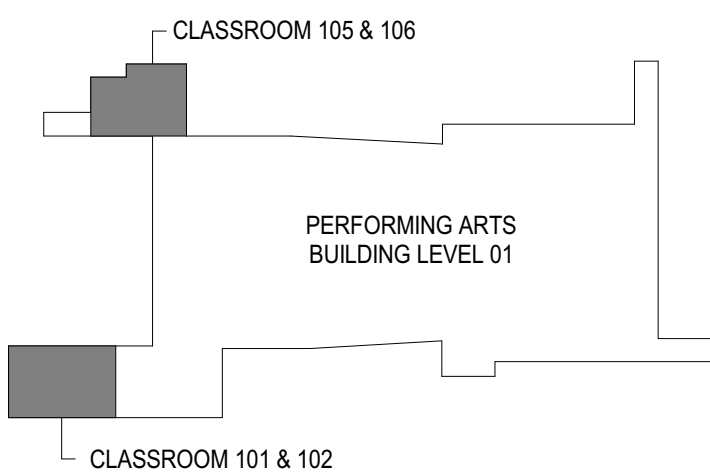
LEGEND AND NOTES

GENERAL NOTES

SHEET NOTES

- 1 DEVICES SHOWN ARE DIAGRAMATIC ONLY. QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS ARE ESTIMATIONS AND WILL NEED COORDINATION WITH THE LIGHTING CONTROLS MANUFACTURER AND OWNER.
- 1 DEVICES SHOWN ARE DIAGRAMATIC ONLY. QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS ARE ESTIMATIONS AND WILL NEED COORDINATION WITH THE LIGHTING CONTROLS MANUFACTURER AND OWNER.

KEY PLAN



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DSA APP: 01-119997  
DSA FILE: 07-C1

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BID SET

03/28/2022  
Revisions

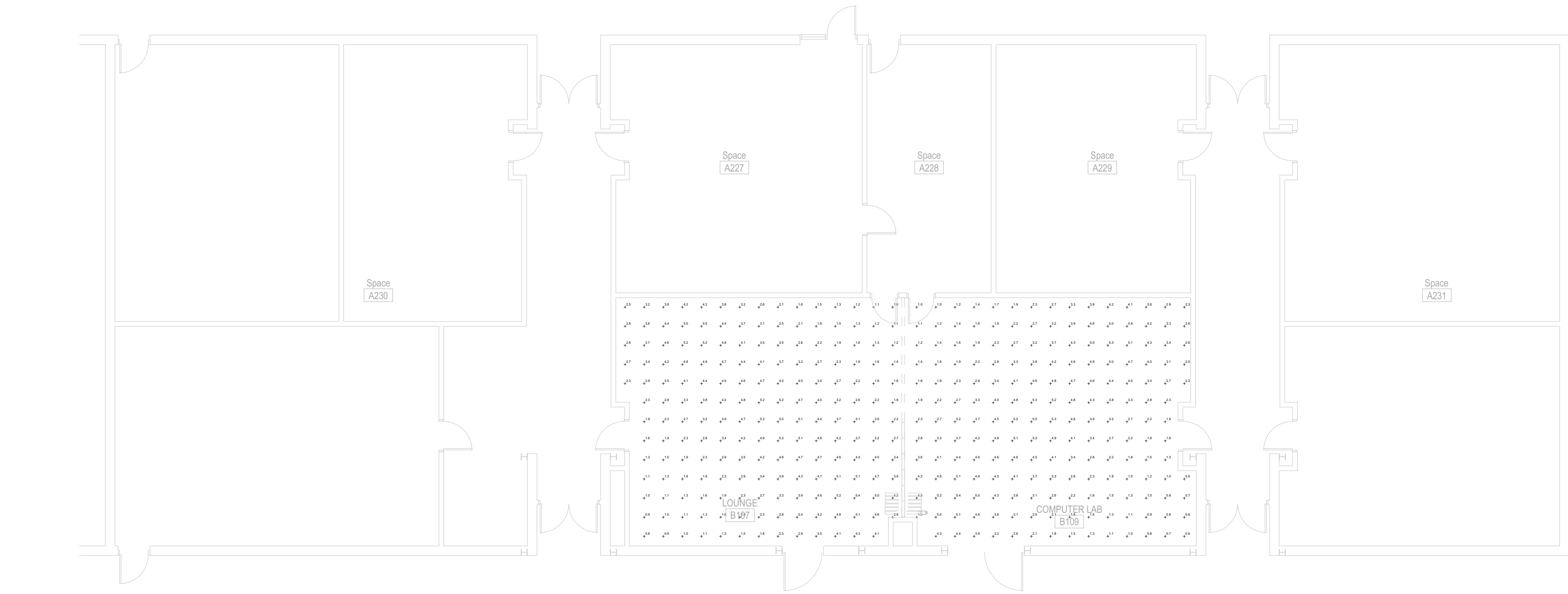
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STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG AND PAC -  
LEVEL 01 - LIGHTING PLANS

E1.20



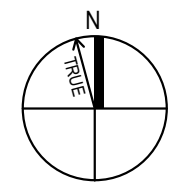
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EM PHOTOMETRIC RESULTS:

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AVERAGE: 7.2FC  
MAXIMUM: 8.5FC  
MINIMUM: 6.9:1  
AVERAGEMIN: 4.0:1

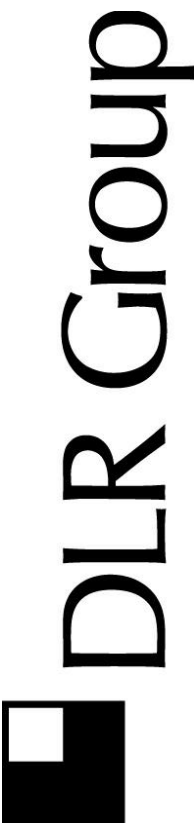
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AVERAGE: 3.1FC  
MAXIMUM: 5.5FC  
MINIMUM: 0.5FC  
AVERAGEMIN: 5.2:1



BUSINESS / FOREIGN LANGUAGE BUILDING - LEVEL 01 EM PHOTOMETRICS

LEGEND AND NOTES

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DSA FILE: 07-C1

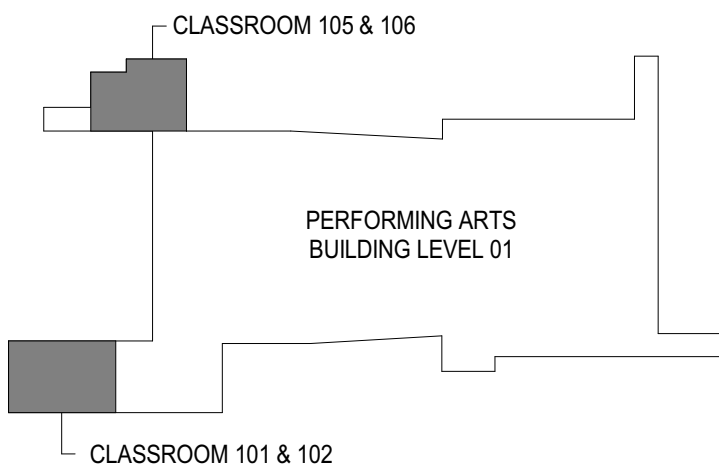
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CCOCD - Diablo Valley College  
321 GOLF CLUB ROAD  
PLEASANT HILL, CA 94523

BID SET

03/28/2022  
Revisions

KEY PLAN

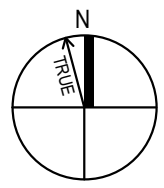


DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLVD AND PAC -  
LEVEL 01 EM PHOTOMETRICS

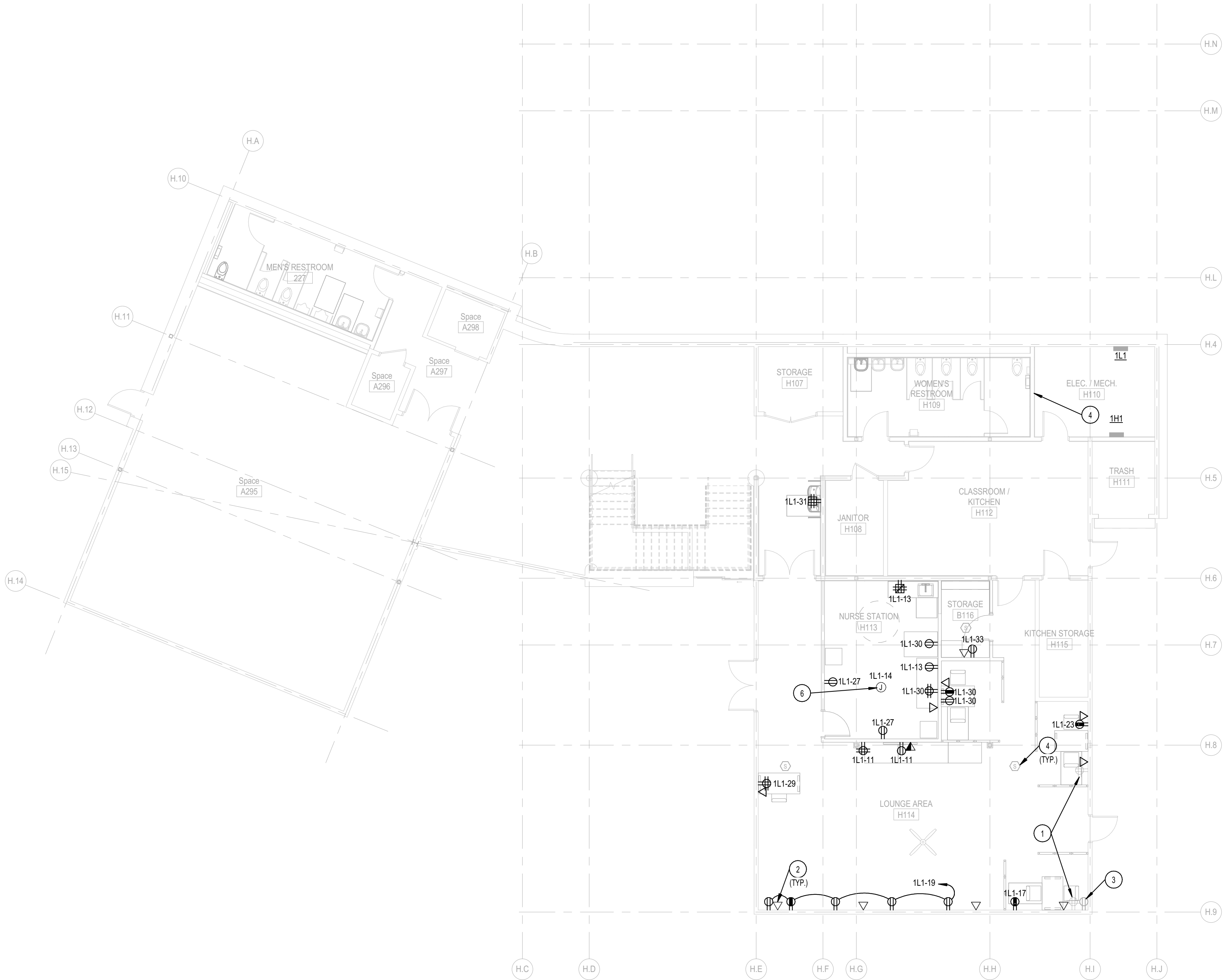


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HEALTH SERVICES INSIDE OF THE STUDENT UNION BUILDING - LEVEL 1 - POWER PLAN

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

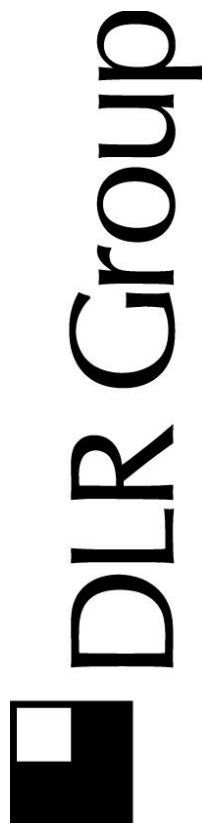


LEGEND AND NOTES

GENERAL NOTES

- A AVOID INSTALLING ANY NEW FLOOR BOXES, POKE-THRU DEVICES, OR MAKING PENETRATIONS INTO EXISTING FLOOR/CEILING UNLESS OTHERWISE SPECIFIED. OBTAIN APPROVAL FROM EECOR AND AOR PRIOR TO PROCEEDING WITH ANY WORK INVOLVING NEW FLOOR BOXES AND/OR POKE-THRU DEVICES.

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SHEET NOTES

- 1 MOVE EXISTING OUTLET TO COMPLY WITH ADA HEIGHT REQUIREMENTS (15" AFF. FROM BASE OF BOX). EXTEND CIRCUIT CONNECTIONS AS NECESSARY.
- 2 INSTALL A SINGLE GANG 4 1/16" SQ X 2 1/8" D BACKBOX WITH (2) DATA JACKS. PROVIDE 3/4" MIN. AND ROUTE TO THE EXISTING DATA RACK. PROVIDE CAT CABLE PER CAMPUS IT REQUIREMENTS. COORDINATE INSTALLATION OF A NEW BLADES SERVER IN EXISTING RACK WITH CAMPUS IT DEPARTMENT.
- 3 (E) DUPLEX OUTLET @ 7'-FT AFF FED FROM 1L1-17 TO REMAIN. PROTECT IN PLACE.
- 4 CONTRACTOR TO COORDINATE WITH DISTRICT FOR THE ADDITION OF BLADES TO EXISTING BLADE SERVER. PROVIDE ALL NECESSARY CONDUITS, SUPPORTS, WIRES, AND OTHER REQUIREMENTS FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
- 5 (E) SMOKE DETECTOR, TO BE REMOVED AND RELOCATED TO LOCATION INDICATED ON DRAWING SET.
- 6 PROVIDE 125VAC, 1PH, 30A, DISCONNECT SWITCH, TYPICAL FOR ALL VAVS. PROVIDE ACCESS PANEL WHERE CEILING DOES NOT PERMIT ACCESS. PROVIDE 1" C FOR CONTROL WIRING. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.



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DSA FILE: 07-C1

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BID SET

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Revisions

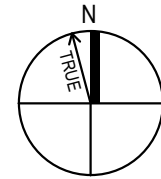
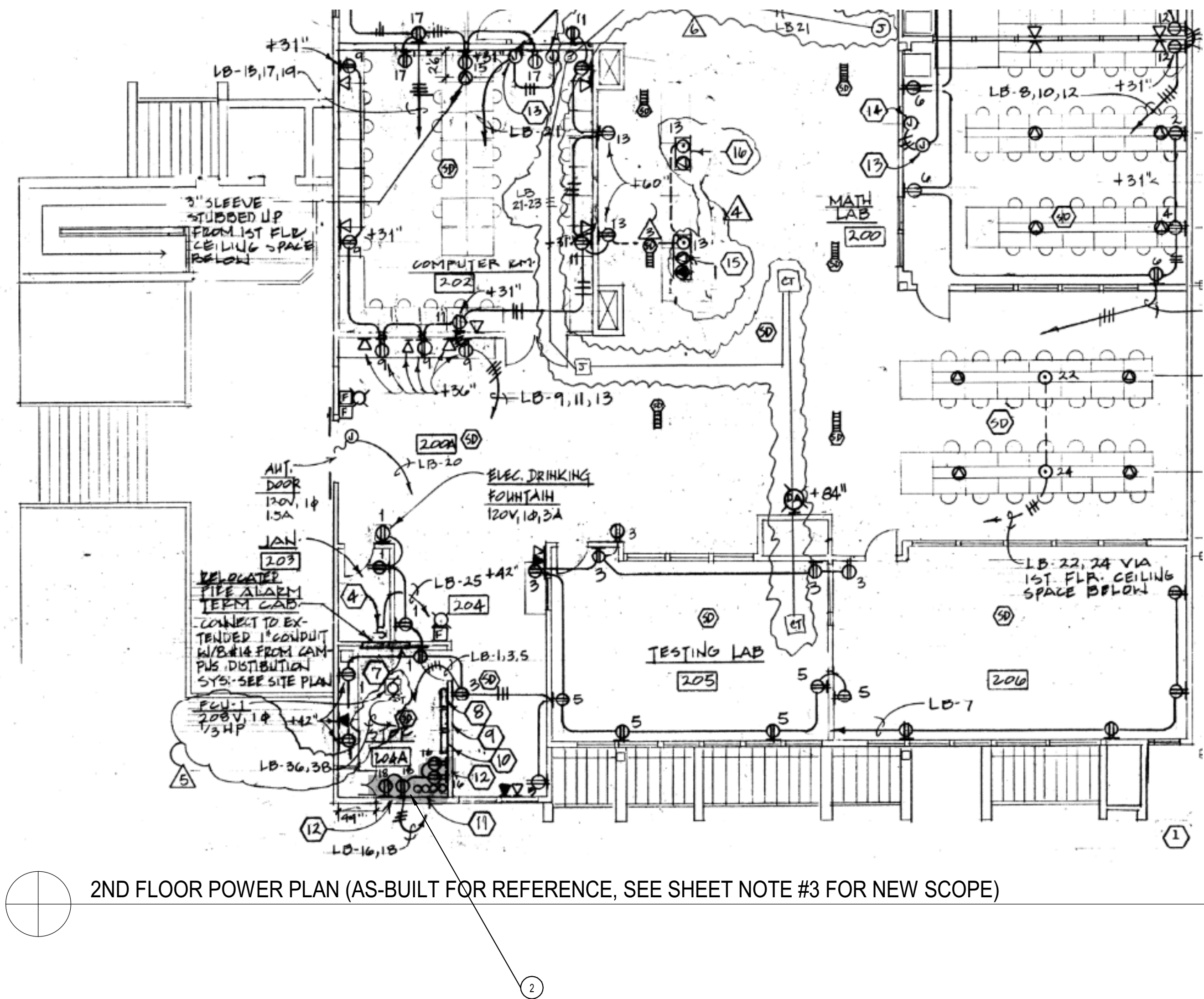
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - POWER PLAN

E2.10



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4/8/2022 4:02:55 PM



BUSINESS / FOREIGN LANGUAGE BUILDING - LEVEL 01 - POWER PLAN

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

## LEGEND AND NOTES

### GENERAL NOTES

- 1 AVOID INSTALLING ANY NEW FLOOR BOXES, POKE-THRU DEVICES, OR MAKING PENETRATIONS INTO EXISTING FLOOR/CEILING UNLESS OTHERWISE SPECIFIED. OBTAIN APPROVAL FROM EOR AND AOR PRIOR TO PROCEEDING WITH AN WORK INVOLVING NEW FLOOR BOXES AND/OR POKE-THRU DEVICES.

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### SHEET NOTES

- 1 REMOVE OUTLET AND INSTALL NEW DUPLEX POWER/HDMI COMBO BOX (LEGRAID TV/WTVS OR EQUAL), MOUNT AT 48" AFF. PROVIDE 3/12 AWG COPPER WIRES IN 3/4" EMT. COORDINATE WITH CAMPUS TO CONFIRM CONNECTIONS WITH TV/MONITOR CUT-SHEET.
- 2 CONTRACTOR TO COORDINATE WITH DISTRICT FOR THE ADDITION OF BLADES TO EXISTING BLADE SERVER. PROVIDE ALL NECESSARY CONDUITS, SUPPORTS, WIRES, AND OTHER REQUIREMENTS FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

**DVC**

DSA APP: 01-119997  
DSA FILE: 07-C1

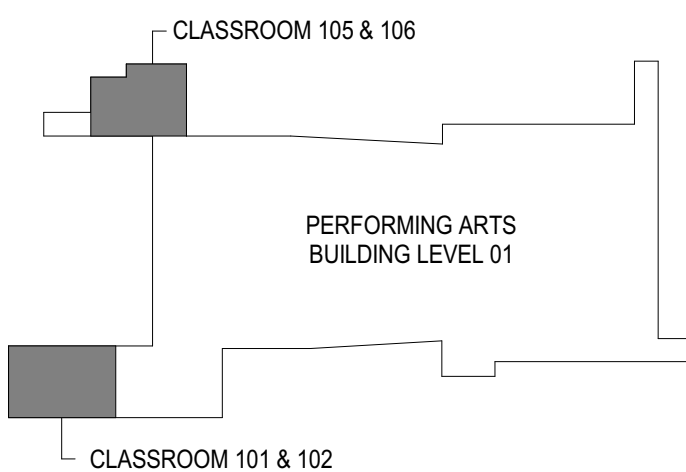
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PLEASANT HILL, CA 94523

### BID SET

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Revisions

### KEY PLAN



DLR GROUP PROJECT NUMBER:  
SHEET NOTES

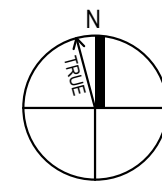
STUDENT SERVICES -  
BUSINESS/FOREIGN  
LANGUAGE BLDG AND PAC -  
LEVEL 01 - POWER PLANS

E2.20



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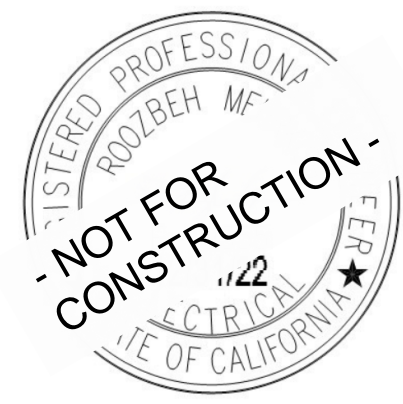
 **PLANETARIUM - LEVEL 01 - ELECTRICAL POWER PLAN**  
SCALE: 1/8" = 1'-0"

**LEGEND AND NOTES**

**GENERAL NOTES**

- A AVOID INSTALLING ANY NEW FLOOR BOXES, POKE-THRU DEVICES, OR MAKING PENETRATIONS INTO EXISTING FLOOR/CEILING UNLESS OTHERWISE SPECIFIED. OBTAIN APPROVAL FROM E&OR AND A&OR PRIOR TO PROCEEDING WITH AN WORK INVOLVING NEW FLOOR BOXES AND/OR POKE-THRU DEVICES.

DSA APPROVAL STAMP



**SHEET NOTES**

- 1 DEVICES ARE TO BE REMOVED AND RELOCATED TO 15" AFF (FROM BOTTOM OF RECEPTACLE). REUSE EXISTING CIRCUITS.  
2 PROVIDE NEW DUPLEX USB RECEPTACLES TO BE MOUNTED AT 36" AFF



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03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
PLANETARIUM - LEVEL 01 -  
POWER PLAN

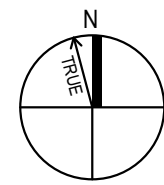
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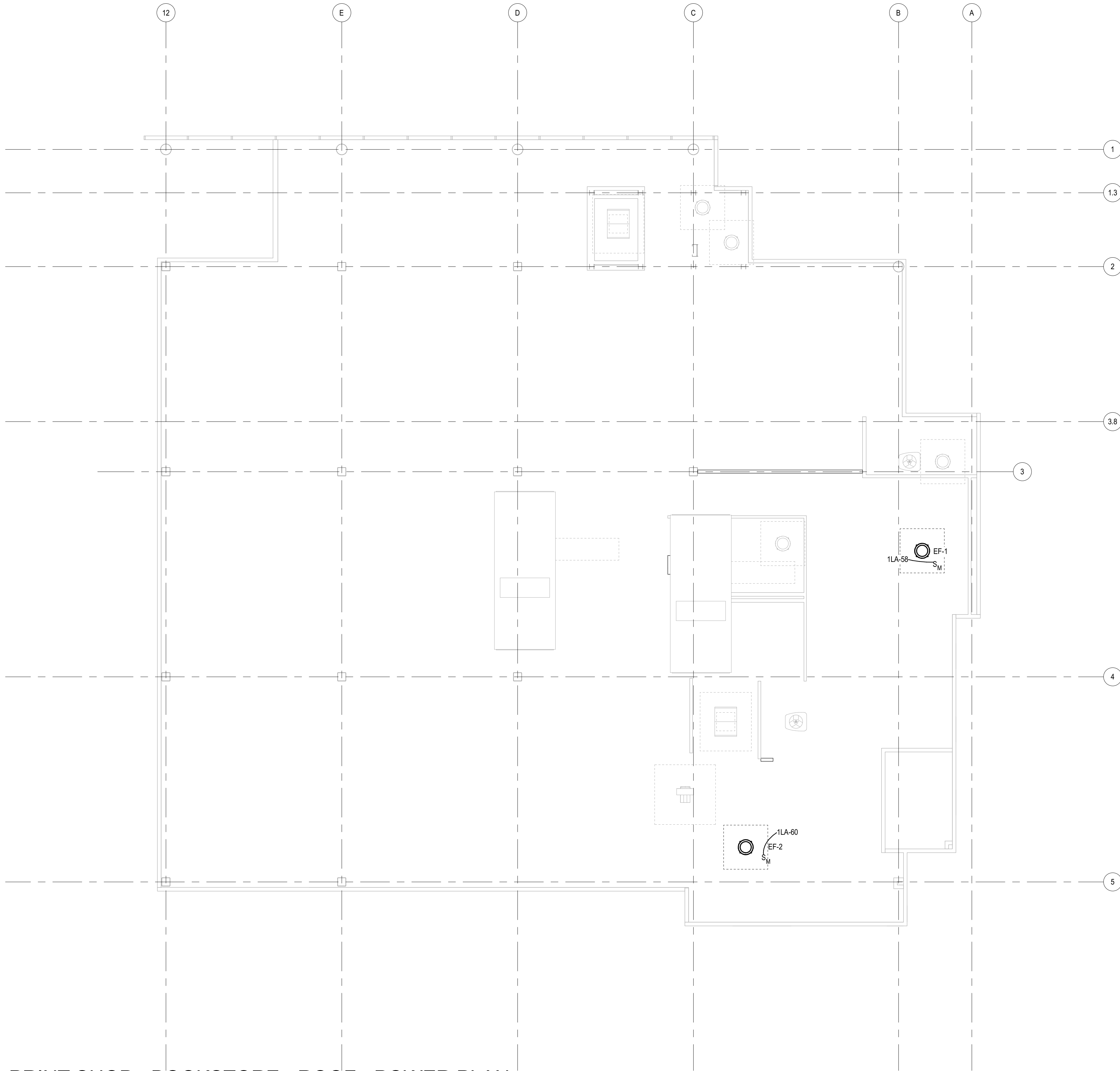


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4/8/2022 4:02:39 PM



PRINT SHOP - BOOKSTORE - ROOF - POWER PLAN

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



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PLEASANT HILL, CA 94523

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03/28/2022  
Revisions

DLR GROUP PROJECT NUMBER:  
SHEET NOTES

PRINT SHOP - BOOKSTORE -  
ROOF -POWER

E2.32



EXISTING PANEL: 1LA																			
LOCATION: BUS RATING: 400.0 A MAIN BREAKER: MLO					VOLTS: 208Y/120 PHASES: 3 WIRES: 4 SCCR:					MOUNTING: SURFACE FED FROM: INTEGRAL SPD: NO LUG ACCESSORIES:									
CKT	CIRCUIT DESCRIPTION		BKR TRIP	P	BKR TYPE	LOAD TYPE	A		B		C		LOAD TYPE	BKR TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION		CKT
1	EXISTING LOAD		20	1	M	R	200	700					L	1	20	EXISTING LOAD		2	
3	EXISTING LOAD		20	1	R	L			180	1,140			L	1	20	EXISTING LOAD		4	
5	EXISTING LOAD		20	1	M	M					500	780	L	1	20	EXISTING LOAD		6	
7	EXISTING LOAD		20	1	M	M	500	1,500					L	1	20	EXISTING LOAD		8	
9	EXISTING LOAD		20	1	M	M			500	1,500			L	1	20	EXISTING LOAD		10	
11	EXISTING LOAD		20	1	R	R					1,000	1,500	L	1	20	EXISTING LOAD		12	
13	EXISTING LOAD		20	1	R	R	700	1,500					L	1	20	EXISTING LOAD		14	
15	EXISTING LOAD		20	1	M	M			400	500			L	1	20	EXISTING LOAD		16	
17	EXISTING LOAD		20	1	M	M					200	400	L	1	20	EXISTING LOAD		18	
19	EXISTING LOAD		20	1	M	M	1,000	300					L	1	20	EXISTING LOAD		20	
21	EXISTING LOAD		20	1	M	M			1,000	820			L	1	20	EXISTING LOAD		22	
23	EXISTING LOAD		20	1	M	M					1,000	1,000	M	1	20	EXISTING LOAD		24	
25	EXISTING LOAD		20	1	M	M	200	970					M	1	20	EXISTING LOAD		26	
27	EXISTING LOAD		20	1	M	M			500	1,000			L	1	20	EXISTING LOAD		28	
29	EXISTING LOAD		20	1	R	R					540	720	R	1	20	EXISTING LOAD		30	
31	EXISTING LOAD		20	1	R	R	540	540					R	1	20	EXISTING LOAD		32	
33	EXISTING LOAD		20	1	R	R			900	780			R	1	20	EXISTING LOAD		34	
35	EXISTING LOAD		20	1	R	R					720	910	R	1	20	EXISTING LOAD		36	
37	EXISTING LOAD		20	1	R	R	540	1,080					R	1	20	EXISTING LOAD		38	
39	EXISTING LOAD		20	1	R	R			900	720			R	1	20	EXISTING LOAD		40	
41	EXISTING LOAD		20	1	R	R					720	900	R	1	20	EXISTING LOAD		42	
43	EXISTING LOAD		20	1	R	R	180	80					M	1	20	EXISTING LOAD		44	
45	EXISTING LOAD		20	1	R	R			180	700			M	1	20	EXISTING LOAD		46	
47	EXISTING LOAD		20	1	R	R					180	700	M	1	20	EXISTING LOAD		48	
49	EXISTING LOAD		20	1	R	R	180	700					M	1	20	EXISTING LOAD		50	
51	EXISTING LOAD		20	1	R	R			900	870			M	1	20	EXISTING LOAD		52	
53	EXISTING LOAD		20	1	R	R					1,000	100	M	1	20	EXISTING LOAD		54	
55	EXISTING LOAD		20	1	R	R	720	250					M	1	20	EXISTING LOAD		56	
57	EXISTING LOAD		20	1	R	R			720	150			M	1	20	EXISTING LOAD		58	
59	EXISTING LOAD		20	1	M	M					100	150	M	1	20	EXISTING LOAD		60	
61	EXISTING LOAD		20	1	M	M	540	0					--	1	20	SPARE		62	
63	EXISTING LOAD		30	1	M	M			2,000	200			M	1	20	EXISTING LOAD		64	
65	EXISTING LOAD		30	1	M	M					2,000	200	M	1	20	EXISTING LOAD		66	
67	EXISTING LOAD		30	1	M	M	2,300	100					M	1	20	EXISTING LOAD		68	
69	EXISTING LOAD		30	1	M	M			2,300	4,000			M	1	50	EXISTING LOAD		70	
71	EXISTING LOAD		20	1	M	M					2,300	4,000	M	1	50	EXISTING LOAD		72	
73	EXISTING LOAD		20	1	M	M	2,300	500					M	1	20	EXISTING LOAD		74	
75	SPARE		50	2	--	--	--	0	200				M	1	20	EXISTING LOAD		76	
77	EXISTING LOAD		20	1	R	R	360	240			0	400	M	1	20	EXISTING LOAD		78	
79	EXISTING LOAD		20	1	R	R							M	1	20	EXISTING LOAD		80	
81	EXISTING LOAD		20	1	R	R					360	1,660	M	1	30	EXISTING LOAD		82	
83	EXISTING LOAD		20	1	M	M						500	1,660	M	1	30	EXISTING LOAD		84
TOTAL LOAD:							18720 VA			25980 VA		24180 VA							
TOTAL AMPS:							156.0 A			216.0 A		208.5 A							
LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAN D...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES							BKR TYPE			PANEL TOTALS				
L	LIGHTING	11640 VA	125.00%	14550 VA	CONTINUOUS LOAD @ 125%							G = GFCI (5mA)							
R	RECEPTACLES	17710 VA	78.23%	13855 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%							GP = GPF (30mA)			CONNECTED LOAD: 68 kVA				
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220							ST = SHUNT TRIP			ESTIMATED DEMAND: 68 kVA				
M	MOTOR	36930 VA	102.59%	36930 VA	LARGEST MOTOR, CEC ART. 430							LO = LOCK OUT			CONNECTED CURRENT: 188.7 A				
C	COOLING	0 VA	0.00%	0 VA											EMD CURRENT: 188.8 A				
H	HEATING	0 VA	0.00%	0 VA															
O	OTHER	0 VA	0.00%	0 VA															
Spare	SPARE	0 VA	0.00%	0 VA															
NOTES: 1. FIELD VERIFY THE CONDITIONS AND MANUFACTURER OF ELECTRICAL EQUIPMENT. COORDINATE WITH MANUFACTURER AND PROVIDE CIRCUIT BREAKERS (AND ALL DEVICES REQUIRED FOR A COMPLETE INSTALLATION) TO COMPATIBLE WITH EXISTING EQUIPMENT.																			

EXISTING PANEL: 1TA																			
LOCATION: BUS RATING: 225.0 A MAIN BREAKER: 225/3					VOLTS: 208Y/120 PHASES: 3 WIRES: 4 SCCR: 42 KAIC					MOUNTING: SURFACE FED FROM: INTEGRAL SPD: Type 1 LUG ACCESSORIES: SEE ONE-LINE									
CKT	CIRCUIT DESCRIPTION		BKR TRIP	P	BKR TYPE	LOAD TYPE	A		B		C		LOAD TYPE	BKR TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION		CKT
1	EXISTING LOAD		20	1	R	R	720	1,080					R	1	20	EXISTING LOAD		2	
3	EXISTING LOAD		20	1	R	R			720	1,080			R	1	20	EXISTING LOAD		4	
5	MAGNETIC DOOR HOLDER		20	1	R	R	900	720			200	720	R	1	20	EXISTING LOAD		6	
7	EXISTING LOAD		20	1	R	R			900	1,080			R	1	20	EXISTING LOAD		8	
9	EXISTING LOAD		20	1	R	R					1,080	1,080	R	1	20	EXISTING LOAD		10	
11	EXISTING LOAD		20	1	R	R	900	720					R	1	20	EXISTING LOAD		12	
13	EXISTING LOAD		20	1	R	R			900	720			R	1	20	EXISTING LOAD		14	
15	EXISTING LOAD		20	1	R	R					1,080	720	R	1	20	EXISTING LOAD		16	
17	EXISTING LOAD		20	1	R	R	720	720					R	1	20	EXISTING LOAD		18	
19	EXISTING LOAD		20	1	R	R			720	1,080			R	1	20	EXISTING LOAD		20	
21	EXISTING LOAD		20	1	R	R					180	1,080	R	1	20	EXISTING LOAD		22	
23	EXISTING LOAD		20	1	R	R	360	720					R	1	20	EXISTING LOAD		24	
25	RECEPT. AND FLR DRINKING FOUNTAIN		20	1	R	R			2,500	720			R	1	20	EXISTING LOAD		26	
27	BZBUH MAINFRAME "PRINTER A"		30	2	R	R					2,500	200	R	1	20	EXISTING LOAD		28	
29	BZBUH MAINFRAME "PRINTER A"		20	1	R	R	1,600	540					R	1	20	EXISTING LOAD		30	
31	BZBUH MAINFRAME "PRINTER B"		30	2	R	R			2,500	540			R	1	20	EXISTING LOAD		32	
33	BZBUH MAINFRAME "PRINTER B"		20	1	R	R	1,599	540			2,500	540	R	1	20	EXISTING LOAD		34	
35	RECEPT. AND FLR SHINK WRAP MACHINE		20	1	R	R			24,000	540			R	1	20	EXISTING LOAD		36	
37	RECEPT. AND FLR COUNTER GFF RM204		20	1	R	R					400	540	R	1	20	EXISTING LOAD		38	
39	EXISTING LOAD		20	1	R	R	720	720					R	1	20	EXISTING LOAD		40	
41	EXISTING LOAD		20	1	R	R			720	720			R	1	20	EXISTING LOAD		42	
43	EXISTING LOAD		20	1	R	R	900	720					R	1	20	EXISTING LOAD		44	
45	EXISTING LOAD		20	1	R	R					720	720	R	1	20	EXISTING LOAD		46	
47	EXISTING LOAD		20	1	R	R					720	720	R	1	20	EXISTING LOAD		48	
49	EXISTING LOAD		20	1	R	R							R	1	20	EXISTING LOAD		50	
51	RECEPT. AND FLR COPER RM204		20	1	R	R			1,500	720			R	1	20	EXISTING LOAD		52	
53	EXISTING LOAD		20	1	R	R					540	720	R	1	20	EXISTING LOAD		54	
55	RECEPT. AND FLR BREAK, STORAGE, OFFICE		20	1	R	R	1,080	720			1,080	720	R	1	20	EXISTING LOAD		56	
57	EXISTING LOAD		20	1	R	R					360	720	R	1	20	EXISTING LOAD		58	
59	EXISTING LOAD		20	1	R	R	720	720					R	1	20	EXISTING LOAD		60	
61	EXISTING LOAD		20	1	R	R			720	720			R	1	20	EXISTING LOAD		62	
63	EXISTING LOAD		20	1	R	R					720	720	R	1	20	EXISTING LOAD		64	
65	EXISTING LOAD		20	1	R	R	720	720					R	1	20	EXISTING LOAD		66	
67	EXISTING LOAD		20	1	R	R			720	720			R	1	20	EXISTING LOAD		68	
69	EXISTING LOAD		20	1	R	R							R	1	20	EXISTING LOAD		70	
71	EXISTING LOAD		20	1	R	R					360	150	C	1	20	PRINTER "E" PRINT ROOM 204		72	
73	BZBUH C1070 "PRINTER C"		30	2	R	R	2,200	720			2,200	1,600	R	1	20	RECEPT. AND FLR HOLE PUNCHER		74	
75	BZBUH C1070 "PRINTER C"		20	1	R	R					1,600	2,400	M	1	30	RECEPT. AND FLR PAPER CUTTER		76	
77	BZBUH C1070 "PRINTER D"		20	1	R	R	2,500	900			2,500	0	C, R	1	20	RECEPT. AND FLR COMP		78	
79	EXISTING LOAD		20	1	R	R							--	--	--	SPACE		80	
81	EXISTING LOAD		20	1	R	R							--	--	--	SPACE		82	
83	BZBUH C1070 "PRINTER D"		20	1	R	R					1,600	0	--	--	--	SPACE		84	
TOTAL LOAD:							28680 VA			32640 VA		24150 VA							
TOTAL AMPS:							216.1 A			440.9 A		201.3 A							
LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAN D...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES							BKR TYPE			PANEL TOTALS				
L	LIGHTING	0 VA	0.00%	0 VA	CONTINUOUS LOAD @ 125%							G = GFCI (5mA)							
R	RECEPTACLES	96599 VA	55.02%	54800 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%							GP = GPF (30mA)			CONNECTED LOAD: 103 kVA				
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220							ST = SHUNT TRIP			ESTIMATED DEMAND: 58 kVA				
M	MOTOR	2400 VA	125.00%	3000 VA	LARGEST MOTOR, CEC ART. 430							LO = LOCK OUT			CONNECTED CURRENT: 285.0 A				
C	COOLING	690 VA	100.00%	690 VA											EMD CURRENT: 162.4 A				
H	HEATING	0 VA	0.00%	0 VA															
O	OTHER	0 VA	0.00%	0 VA															
Spare	SPARE	0 VA	0.00%	0 VA															
NOTES: 1. FIELD VERIFY THE CONDITIONS AND MANUFACTURER OF ELECTRICAL EQUIPMENT. COORDINATE WITH MANUFACTURER AND PROVIDE CIRCUIT BREAKERS (AND ALL DEVICES REQUIRED FOR A COMPLETE INSTALLATION) TO COMPATIBLE WITH EXISTING EQUIPMENT.																			

EXISTING PANEL: 1H1														
LOCATION: ELEC / MECH H110 BUS RATING: 225.0 A MAIN BREAKER: 225/3						VOLTS: 480Y/277 PHASES: 3 WIRES: 4 SCCR: 14KAIC				MOUNTING: SURFACE FED FROM: INTEGRAL SPD: NO LUG ACCESSORIES:				
CKT	CIRCUIT DESCRIPTION	BKR TRIP	P	BKR TYPE	LOAD TYPE	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD TYPE	BKR TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION	CKT
1	EXISTING LOAD	20	1	R	R	2,200	3,000		R	1	20	EXISTING LOAD	2	
3	EXISTING LOAD	20	1	R	R		3,000	2,000	R	1	20	EXISTING LOAD	4	
5	EXISTING LOAD	20	1	R	R			1,000	1,100	R	1	20	EXISTING LOAD	6
7	EXISTING LOAD	20	1	R	R	600	1,700		R	1	20	EXISTING LOAD	8	
9	EXTERIOR LTG	20	1	L	R		544	1,800	R	1	20	EXISTING LOAD	10	
11	LTG (EXISTING) + 10N1 OFFICE	20	1	L	R			710	2,400	R	1	20	EXISTING LOAD	12
13	LTG (EXISTING) + RMH113, B116, 10N1...	20	1	L	R	375	2,100		R	1	20	EXISTING LOAD	14	
15	LTG (EXISTING) + 10N1 OFFICE	20	1	L	R		1,520	40		L	1	20	EXIT SIGNS	16
17	EXISTING LOAD	20	1	R	R			1,200	0	--	1	20	EXISTING LOAD	18
19	SPARE	20	1	--	--	0	600		R	1	20	EXISTING LOAD	20	
21	SPARE	20	1	--	--		0	600	R	1	20	EXISTING LOAD	22	
23	SPARE	20	1	--	--			0	600	R	1	20	EXISTING LOAD	24
25	SPARE	20	1	--	--	0	600		R	1	20	EXISTING LOAD	26	
27	SPARE	20	1	--	--		0	0	--	1	20	SPARE	28	
29	SPARE	20	1	--	--			0	0	--	1	20	SPARE	30
31	SPARE	20	1	--	--	0	0		--	1	20	SPARE	32	
33	SPARE	20	1	--	--		0	0	--	1	20	SPARE	34	
35	EXISTING LOAD	20	1	R	--			200	0	--	1	20	SPARE	36
37	SPARE	--	--	--	--	0	0		--	--	--	--	SPARE	38
39	SPARE	--	--	--	--	0	0		--	--	--	--	SPARE	40
41	SPARE	--	--	--	--			0	0	--	--	--	SPACE	42
TOTAL LOAD:						11175 VA	9504 VA	7210 VA						
TOTAL AMPS						41.6 A	35.6 A	26.0 A						
LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAN D...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES				BKR TYPE		PANEL TOTALS			
R	LIGHTING	293 VA	125.00%	366 VA	CONTINUOUS LOAD @ 125%				G = GFCI (5mA)		CONNECTED LOAD: 28 kVA			
R	RECEPTACLES	27596 VA	68.12%	18788 VA	FIRST 10kVA @ 100%, REMANDER @ 50%				G = GFCI (30mA)		ESTIMATED DEMAND: 19 kVA			
K	MOTORS	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220				S = SHUNT TRIP		CONNECTED CURRENT: 53.5 A			
M	MOTOR	0 VA	0.00%	0 VA	LARGEST MOTOR, CEC ART. 430				10 = LOCK OUT		EMO CURRENT: 23.1 A			
C	COOLING	0 VA	0.00%	0 VA										
H	HEATING	0 VA	0.00%	0 VA										
O	OTHER	0 VA	0.00%	0 VA										
Spare	SPARE	0 VA	0.00%	0 VA										
NOTES:														
1. FIELD VERIFY THE CONDITIONS AND MANUFACTURER OF ELECTRICAL EQUIPMENT. COORDINATE WITH MANUFACTURER AND PROVIDE CIRCUIT BREAKERS (AND ALL DEVICES REQUIRED FOR A COMPLETE INSTALLATION) TO COMPATIBLE WITH EXISTING EQUIPMENT.														



ABBREVIATIONS

(D)	DEMOLISHED	N	NITROGEN
(E)	EXISTING	N2O	NITROUS OXIDE
(R)	RELOCATED	N.C.	NORMALLY CLOSED
°C	DEGREES CELSIUS	N.O.	NORMALLY OPEN
°F	DEGREES FAHRENHEIT	NO	NUMBER
Ø	DIAMETER	N2O2	NITROGEN DIOXIDE
		NOM	NOMINAL
A/C	AIR CONDITIONING(ER)		
AAV	AUTOMATIC AIR VENT	ØM	OPERATION AND MAINTENANCE
ACC	ACCESSIBLE	OD	OUTSIDE DIAMETER
AD	AREA DRAIN	OD	OVERSLOW ROOF DRAIN
ADJ	ADJUSTABLE	OS&Y	OUTSIDE SCREW AND YOKE
AGF	AIR GAP FITTING	ØVFL	OVERFLOW
AHU	AIR HANDLING UNIT	OX	OXYGEN
ANCH	ANCHOR		
AR	ACID RESISTING		
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	P	PUMP
AUTO	AUTOMATIC	PT	PRESSURE/TEMPERATURE TEST PORT
AUDIO-VIDEO	AUDIO-VISUAL	PC	PUMPED CONDENSATE
AV	ACID VENT	PCF	POUNDS PER CUBIC FOOT
AV	AIR VENT	PD	PRESSURE DROP
		PD	PUMP DISCHARGE
BBO	BOILER BLOW OFF	PDI	PLUMBING & DRAINAGE INSTITUTE
BC	BALANCING COCK	PG	PRESSURE GAUGE
BF	BOILER FEED	PI	PRESSURE INDICATOR
BFF	BELOW FINISH FLOOR	PIV	PISTON INDICATOR VALVE
BFP	BACKFLOW PREVENTER	PL&G	PLUMBING
BFV	BUTTERFLY VALVE	POC	POINT OF CONNECTION
BLKG	BLOCKING	PR	PAIR
BLKHD	BULKHEAD	PSI	POUNDS PER SQUARE INCH
BOT	BOTTOM	PT	PLASTER TRAP
BPP	BOILER PLANT INSTRUMENTATION PANEL	PVC	POLYVINYL CHLORIDE
BV	BALL VALVE		
		R	RISER
C	CONDUIT	RAD	RADIUS
C	CONDENSER WATER	RCP	REFLECTED CEILING PLAN
CD	CONDENSATE DRAIN	RCP	REINFORCED CONCRETE PIPE
CD	CONSTRUCTION DOCUMENTS	RD	ROOF DRAIN
CF	CUBIC FEET	REM	REMOVABLE
CI	CAST IRON	RS	REFRIGERANT SUCTION
CIP	CURB INLET	RTU	ROOF TOP UNIT
CIP	CAST IRON PIPE		
CIRC	CIRCULATING	S	SANITARY SEWER
CLR	CLEAR	S	SPRINKLER LINE
CO	CLEAN OUT	SAN	SANITARY WASTE
COMB	COMBINATION	SCW	SOFT COLD WATER
CR	CORROSION RESISTANT	SD	STORM DRAIN
CS	COUNTERSINK	SE	STEAM EXHAUST VENT
CS	COMBINATION SEWER	SH	SHOWER
CSF	COMBINATION STANDPIPE	SHW	SOFT HOT WATER
CT	COOLING TOWER	SK	SINK
CTL	CONTROL	SM	SPRINKLER MAIN
CU	CONDENSING UNIT	SP	STATIC PRESSURE (H2O)
CW	COLD WATER	SP	STAND PIPE
		SPD	SURGE PROTECTION DEVICE
D	DRAIN	SPK	SPRINKLER
DBL	DOUBLE	SQ	SQUARE
DE	DEIONIZED WATER	SS	STAINLESS STEEL
DEPT	DEPARTMENT	SS	SERVICE SINK
DET	SECONDARY STORM DRAINAGE	ST	SECONDARY STORM DRAINAGE
DFR	DIESEL FUEL RETURN	ST	STORM DRAINAGE
DFS	DIESEL FUEL SUPPLY	STOR	STORAGE
DFV	DIESEL FUEL VENT	SUSP	SUSPENDED
DISH	DISCHARGE		
DN	DOWNSPOUT NOZZLE	T	TEMPERED
DSP	DRY STANDPIPE	TEMP	TEMPERATURE
DW	DISHWASHER	THK	THICKNESS
		TMM	THERMOSTATIC MIXING VALVE
EA	EACH	TOL	TOLERANCE
EEW	EMERGENCY EYE WASH	TPV	TRAP PRIMER
EEWS	EMERGENCY EYE WASH SHOWER	TS	TEMPERATURE SENSOR
EFF	EFFICIENCY	TT	TEMPERATURE TRANSMITTER
ELEV	ELEVATOR		
EMER	EMERGENCY	UC	UNIT COOLER
ENT	ENTERING	UG	UNDERGROUND
EWC	ELECTRIC WATER COOLER	UR	URINAL
EXP	EXPOSED	UTIL	UTILITY
		V	VENT
F	FAHRENHEIT	V	VACUUM
F	FIRELINE	VA	VALVE
F.V.	FIELD VERIFY	VB	VENT BELOW FLOOR
FAB	FABRICATED(D)	VCP	VITRIFIED CLAY PIPE
FCO	FLOOR CLEAN OUT	VOL	VOLUME
FCU	FAN COIL UNIT	VP	VACUUM PUMP
FD	FLOOR DRAIN	VTR	VENT THROUGH ROOF
FDC	FIRE DEPARTMENT CONNECTION		
FDN	FOUNDATION	W	WATER SERVICE
FDNR	FOUNDATION DRAIN	W	WASTE (PLUG)
FF	FINISH FLOOR	WC	WATER COLUMN
FI	FIRE HYDRANT	WC	WATER CLOSET
FHC	FIRE HOSE CABINET	WCC	WATER COOLED CONDENSER
FIX	FIXTURE	WCL	WATER CLOSET/LAVATORY COMBINATION
FLX	FLEXIBLE	WCO	WALL CLEAN OUT
FM	FIRE MAN	WF	WASH FOUNTAIN
FM	FORCE MAIN	WFM	WATER FLOW MEASURING DEVICE
FOF	FUEL OIL FILL	WH	WALL HYDRANT
FOR	FUEL OIL RETURN	WH	WATER HEATER
FOS	FUEL OIL SUPPLY	WHA	WATER HAMMER ARRESTOR
FOV	FUEL OIL VENT	WPB	WHIRLPOOL BATH
FPD	FIRE PUMP DISCHARGE	WSP	WET STAND PIPE
FFM	FEET PER MINUTE		
FS	FLOW SWITCH	YH	YARD HYDRANT
FS	FLOOR SINK	ZB	ZONE CONTROL BOX
FVC	FIRE VALVE CABINET	ZCV	ZONE CONTROL VALVE
G	NATURAL GAS		
GA	GAUGE		
GAL	GALLON		
GCO	GRADE CLEAN OUT		
GPD	GALLONS PER DAY		
GPH	GALLONS PER HOUR		
GRM	GALLONS PER MINUTE		
GV	GATE VALVE		
GV	GREASE VENT		
GVBF	GREASE VENT BELOW FLOOR		
GW	GREASE WASTE		
HB	HOSE BIB		
HGR	HANGER		
HP	HIGH INTENSITY DISCHARGE		
HP	HEAT PUMP		
HP	HIGH PRESSURE		
HR	HOUR		
HUM	HUMIDIFIER		
HVAC	HEATING VENTILATING AND AIR CONDITIONING		
HW	DOMESTIC HOT WATER		
HWC	DOMESTIC HOT WATER RECIRCULATING		
IAW	IN ACCORDANCE WITH		
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		
IES	ILLUMINATING ENGINEERING SOCIETY		
INSUL	INSULATION		
IP	IRON PIPE		
IW	INDIRECT WASTE		
JAN	JANITOR		
LAV	LAVATORY		
LF	LINEAR FOOT		
LG	LENGTH (LONG)		
LIN	LINEAR		
LPG	LIQUIFIED PETROLEUM GAS		
LS	LAWN SPRINKLER		
LVG	LEAVING		
LWT	LEAVING WATER TEMPERATURE		
MAINT	MAINTENANCE		
MAN	MANUAL		
MATL	MATERIAL		
MAV	MANUAL AIR VENT		
MFRG	MANUFACTURING		
MH	MANHOLE		
MPG	MEDIUM PRESSURE GAS		
MTD	MOUNTED		
MTG	MOUNTING		
MV	MEDICAL VACUUM		

DOMESTIC FIXTURE SCHEDULE

NOTES: 1. ALL ACCESSIBLE WATER CLOSETS SHALL HAVE FLUSH VALVE WITH HANDLE ON THE OPEN SIDE. 2. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITUTURAL DRAWINGS. 3. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS 4. 5.										
ID	DESCRIPTION	QTY	PIPE CONNECTION SIZE (IN)							SPECIFICATION
			WASTE			VENT	WATER		GAS	
			PRIMARY	AUX	INDIRECT		COLD	HOT		
WC-1	WATER CLOSET (WALL HUNG, ADA)	3	4"			2"	1"		AMERICAN STANDARD (AS) NO. 3351-101 "4FWALL MILLENNIUM FLOWISE ELONGATED FLUSHOMETER TOILET". SIPHON ET. WALL HUNG. ELONGATED BOWL. TOP SPUD. COMPLETE WITH 1/20 GPM FLUSH VALVE. MANUAL. SLOAN ROYAL NO. 1111-28 GPM FLUSH VALVE. OLSONITE NO. 955SCT SEAT, AND ZURN 1201 & 1202 SERIES CARRIER. MOUNT AD ADA ACCESSIBLE HEIGHT.	
L-1	LAVATORY (WALL HUNG, ADA)	1	1-1/2"			1-1/2"	1/2"	1/2"	REINSTALL WALL HUNG LAVATORY FROM DEMOLITION PLAN. COMPLETE WITH CHICAGO 3400-ABCP METER FAUCET WITH E2805AB 0.5 GPM NON-AERATING SPRAY AND VANDAL RESISTANT COVER PLATE. I/GMURE NO. 155A 1-1/4" OUTLET "OPEN GRID P.O. PLUG". I/GMURE NO. PW2125 1-1/4" L.A. PATTERN P-TRAP WITH TRAP. TRAP ARM AND SUPPLY COVERS. CHICAGO NO. 1017-ABCP LOOSE KEY STOP WITH RIGID SUPPLY. AND ZURN NO. Z-121-EZR-WL ADJUSTABLE CONCEALED ARM CARRIER W/ SLEEVE FOR WASTE. MOUNT IN ACCORDANCE WITH ADA REQUIREMENTS.	
L-2	LAVATORY (WALL HUNG, ADA)	1	1-1/2"			1-1/2"	1/2"	1/2"	KOHLER NO. L-2805 HUDSON WALL HUNG LAVATORY" 19" X 17" WALL HUNG. CHICAGO NO. 3400-ABCP METER FAUCET WITH E2805AB 0.5 GPM NON-AERATING SPRAY AND VANDAL RESISTANT COVER PLATE, I/GMURE NO. 155A 1-1/4" OUTLET "OPEN GRID P.O. PLUG". I/GMURE NO. PW2125 1-1/4" L.A. PATTERN P-TRAP WITH TRAP. TRAP ARM AND SUPPLY COVERS. CHICAGO NO. 1017-ABCP LOOSE KEY STOP WITH RIGID SUPPLY. AND ZURN NO. Z-121-EZR-WL ADJUSTABLE CONCEALED ARM CARRIER W/ SLEEVE FOR WASTE. MOUNT IN ACCORDANCE WITH ADA REQUIREMENTS.	
S-1	SINGLE BOWL SINK (ADA)	1	1-1/2"			1-1/2"	1/2"	1/2"	ELKAY NO. LRA4221965 "LUSTERTONE SINGLE BOWL SINK". SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL SELF-RIMMING, 22" X 19" X 5-1/2" DEEP. COMPLETE WITH CHICAGO NO. 786-E35VPCABCP DECK MOUNTED, BLADE HANDLES, GODSENECK FAUCET E35VPAB 1.5 GPM SOFTLO AERATOR AND VANDAL RESISTANT COVER PLATE, I/GMURE NO. 152 1-1/2" OUTLET "WIDE TOP SINK STRAINER". I/GMURE NO. PW2150C21 1-1/2" L.A. PATTERN P-TRAP WITH TRAP AND SUPPLY COVERS, AND CHICAGO NO. 1017-ABCP LOOSE KEY STOPS WITH RIGID SUPPLIES. MOUNT IN ACCORDANCE WITH ADA REQUIREMENTS.	
EWC-1	ELECTRIC WATER COOLER (DUAL HEIGHT, BOTTLE FILLER, ADA)	2	1-1/4"	1 1/4"		2"	1/2"		ELKAY NO. LZ2SLWBSP "w/h20". DUAL HEIGHT WITH BOTTLE FILLING STATION, SURFACE WALL MOUNTED. STAINLESS-STEEL WITH STAINLESS-STEEL MOUNTING BRACKET, BARRIER FREE, FILTERED, 6 GPH OF 50° F. WATER WITH 80° F. INLET WATER AT 90° F. AMBIENT, 15 HP, 115 VOLT, 1 PHASE. COMPLETE WITH CHICAGO NO. 45LKABCP ANGLE STOP WITH 1/2" FEMALE INLET & OUTLET. MOUNT AT ADA ACCESSIBLE HEIGHT.	
EWC-2	ELECTRIC WATER COOLER (OUTDOOR, DUAL HEIGHT, BOTTLE FILLER, ADA)	2	1-1/4"	1 1/4"		2"	1/2"		ELKAY NO. VRCTLR8WSK "w/h20". DUAL HEIGHT WITH BOTTLE FILLING STATION, SURFACE WALL MOUNTED. STAINLESS-STEEL WITH STAINLESS-STEEL MOUNTING BRACKET, BARRIER FREE, 6 GPH OF 50° F. WATER WITH 80° F. INLET WATER AT 90° F. AMBIENT, 15 HP, 115 VOLT, 1 PHASE. COMPLETE WITH CHICAGO NO. 45LKABCP ANGLE STOP WITH 1/2" FEMALE INLET & OUTLET. MOUNT AT ADA ACCESSIBLE HEIGHT.	

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MATERIALS

- SANITARY SOIL WASTE AND VENT SYSTEMS ABOVE AND BELOW GRADE: PIPING WITHIN THE BUILDING ITSELF AND OUTSIDE WITHIN FIVE FEET (5') OF THE FOUNDATION, SHALL BE NO-HUB CAST IRON SERVICE WEIGHT PIPE AND FITTINGS, ASPHALTUM COATED, FREE FROM DEFECTS, AND SHALL COMPLY WITH C.I.S.P.I. STANDARD 301 OR ASTM A-888. FITTINGS SHALL BE MADE UP WITH "HUSKY" SO 4000 SERIES OR "CLAMP ALL" 125 SERIES STAINLESS-STEEL TYPE 304 NO-HUB COUPLINGS AND SHALL CONFORM TO ASTM C1540 & ASTM C594 EXCEPT ALL ABOVE GROUND VENT PIPE FITTINGS MAY BE INSTALLED WITH "ANACO" OR "TYLER" STAINLESS-STEEL TWO BAND COUPLINGS CONFORMING TO C.I.S.P.I. STANDARD 310.
- WATER PIPING WITHIN THE BUILDING AND ABOVE GRADE SHALL BE TYPE "L" ASTM B88, HARD DRAWN COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.22 WITH 95-S SILVER SOLDER.
- INSULATION: ALL HOT WATER PIPING SHALL BE INSULATED WITH "PPG" INDUSTRIES, CERTAIN-TEED SAINT GOBAIN SNAP-ON OR JOHNS-MANVILLE MICRO-LOC AIR, AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH "MCO" INMOLOCK CLOSED-CELL PIPE INSULATION.
- CLEANOUTS: SHALL BE MANUFACTURED BY J.R. SMITH, ZURN OR JOSAM AS FOLLOWS: A.FINISHED ROOM FLOORS: J.R. SMITH NO. 4163 W.N.B. TOP AND GASKETED WATERTIGHT COVER. B.WALLS: J.R. SMITH 4532 W/ BRONZE PLUG AND CHROME PLATED COVER. C.YARD AND PARKING LOT: J.R. SMITH NO. 4253 CAST IRON SURFACE LEVEL CLEANOUT.
- VALVES: GATE VALVES 1-1/2" AND SMALLER SHALL BE NIBCO NO. T-1134LF. GATE VALVES 2" TO 3" SHALL BE NIBCO NO. F-407-RW OS&Y. BALL VALVES 2" AND SMALLER SHALL BE NIBCO NO. T-685-46-LF.
- CORROSION PROTECTION: A.ALL BELOW GROUND METALLIC FITTINGS, VALVES, FLANGES, BOLTS, SHALL BE PROTECTED AGAINST CORROSION AS FOLLOWS: 1.ALL METALLIC COMPONENTS AS DESCRIBED ABOVE SHALL RECEIVE A HEAVY COATING OF "HENRY'S" OIL BASE ROOF MASTIC. 2.AFTER MASTIC COATING IS COMPLETED AND INSPECTED, WRAP ENTIRE METALLIC COMPONENT WITH A MINIMUM OF 10 MIL. POLYETHYLENE WRAP OVERLAPPED 50% OF THE CIRCUMFERENCE AND EXTENDED BEYOND ENDS OF COMPONENT AS REQUIRED FOR POLYETHYLENE TO BE SECURED TO PIPING. THE OVERLAP SEAM SHALL BE LOCATED TO AVOID BACKFILL MATERIAL FROM ENTERING THE ENCAPSULATED AREA. THE ENDS AND SEAM OF THE POLYETHYLENE MATERIAL SHALL BE SECURED TO THE PIPING AND SEALED WITH 3M SCOTCH WRAP NO. 50, 10 MIL., 2" WIDE, PRINTED, PIPE WRAP SEALING TAPE. 3.THE MASTIC COATING SHALL BE INSPECTED AND APPROVED PRIOR TO THE FINISH APPLICATION OF THE POLYETHYLENE MATERIAL, WHICH SHALL ALSO BE INSPECTED.
- BEFORE ANY USE OF SYSTEM IS MADE FOR DOMESTIC PURPOSES, IT SHALL BE STERILIZED BY SLOWLY FILLING WITH WATER TO WHICH A STERILIZING AGENT HAS BEEN APPLIED AT A RATE GIVING 50 PPM OF CHLORINE, AS DETERMINED BY RESIDUAL CHLORINE TEST AT EXTREMITIES OF THE LINE. AFTER LINES HAVE BEEN FILLED FOR A PERIOD OF THREE & 4 HOURS, TESTS FOR RESIDUAL CHLORINE SHALL SHOW NOT LESS THAN 50 PPM, IF LESS THAN 50 PPM IS INDICATED, DRAIN OR FLUSH OUT THE LINE AND REPEAT STERILIZATION TREATMENT UNTIL TESTS INDICATE AT LEAST 50 PPM OF RESIDUAL CHLORINE AFTER THREE (3) HOURS. THE LINES SHALL BE FLUSHED UNTIL ALL TRACES OF CHEMICAL HAVE BEEN REMOVED.



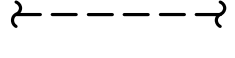
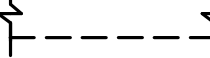
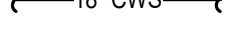
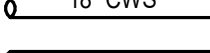
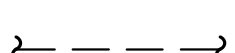
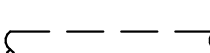
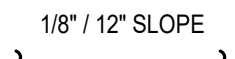
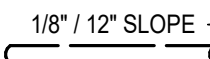

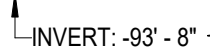






GENERAL PLUMBING NOTES

- BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
- CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
- ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
- ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
- ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2019.
- INSULATION (SEE SPECIFICATION FOR TYPE REQUIRED) AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH 2019 C.B.C. SECTION 720.3.
- ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT, STRUCTURAL ENGINEER AND DSA.
- M.E.P. COMPONENT ANCHORAGE NOTE:  
  
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.  
  
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.  
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.  
3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.  
  
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REVERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENTS IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.  
  
1. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.  
2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.  
  
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMONENTS SHALL BE THE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL. IN GENERAL, RESPONSIBLE CHARGE OR STRUCTURAL ENGINEERS DELEGATED RESPONSIBILITY AND ACCEPTANCE THE DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:  
  
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCE AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3, AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.  
  
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.  
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).  
  
MP [ ] MD [ ] PP [ ] E [ ]      OPTION 1: DETAILED ON THE APPROVED DRAWINGS  
WITH PROJECT SPECIFICATIONS AND DETAILS  
MP [ ] MD [ ] PP [X] E [ ]      OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # 0043-13.

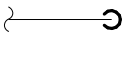
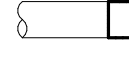

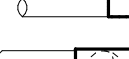


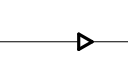
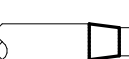
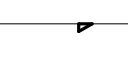
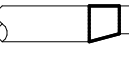
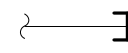
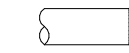
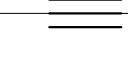
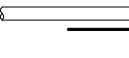
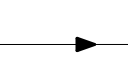
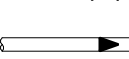
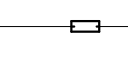
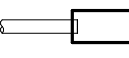
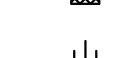
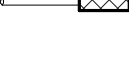
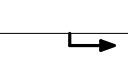
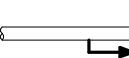
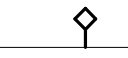



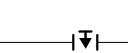
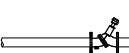
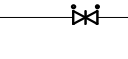
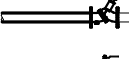
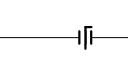

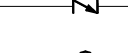

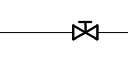
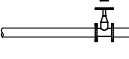


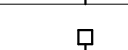

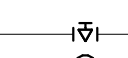
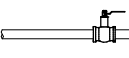
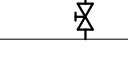

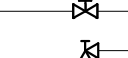


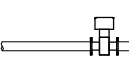

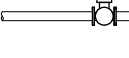
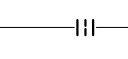





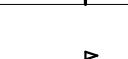



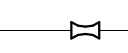

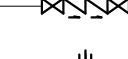

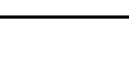
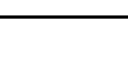
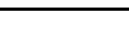







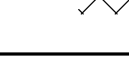









PLUMBING SYMBOLS

SCHEMATIC	3D	DESCRIPTION
		DOMESTIC COLD WATER
		DOMESTIC COLD WATER (LINETYPE)
		DOMESTIC HOT WATER
		DOMESTIC HOT WATER (LINETYPE)
		DOMESTIC HOT WATER RECIRCULATING
		DOMESTIC HOT WATER RECIRC (LINETYPE)
		SANITARY WASTE ABOVE FLOOR
		SANITARY WASTE BELOW FLOOR
		SANITARY VENT
		CLEAN OUT
		WALL CLEAN OUT
		FLOOR CLEAN OUT
		GRADE CLEAN OUT (DOUBLE CLEAN OUT)
		FLOOR DRAIN / FLOOR SINK
		ROOF DRAIN / OVERFLOW DRAIN
		DOWNSPOUT NOZZLE
		WALL HYDRANT
		HOSE BIBB
		WATER HAMMER ARRESTER
		RISER TAG

PIPING ANNOTATIONS

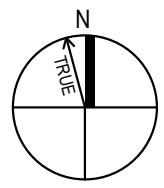
SCHEMATIC	3D	DESCRIPTION
		EXISTING TO REMAIN - (E) or EXIST
		ITEM TO BE DEMOLISHED - (D) or DEMO
		PIPE SIZE TAG (DIAMETER WITH SYSTEM NAME)
		ABOVE GROUND PIPING
		BELOW GROUND PIPING
		PIPE SLOPE
		PIPE INVERT ELEVATION
		MECHANICAL EQUIPMENT TAG
		MECHANICAL EQUIPMENT CLEARANCE

PIPING VALVES AND FITTINGS

SCHEMATIC	3D	DESCRIPTION
		PIPE DROP
		PIPE RISE
		PIPE TEE DOWN
		PIPE TEE UP
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		PIPE CAP
		PIPE ALIGNMENT GUIDE
		PIPE ANCHOR
		FLOW DIRECTION
		EXPANSION JOINT
		FLEXIBLE CONNECTION
		UNION
		DIRECTION OF PIPE PITCH
		AQUISTAT
		EXPANSION LOOP
		BALANCING VALVE
		BALANCING VALVE W/ METERING POINTS
		BALL VALVE
		BUTTERFLY VALVE
		CHECK VALVE
		STEAM TRAP
		GATE VALVE
		CIRCUIT SETTER
		MANUAL AIR VENT
		AUTOMATIC AIR VENT
		PLUG VALVE
		PRESSURE GAUGE
		SOLENOID VALVE
		ANGLE VALVE
		AUTOMATIC CONTROL VALVE 2-WAY
		AUTOMATIC CONTROL VALVE 3-WAY
		AUTOMATIC FLOW CONTROL VALVE
		STRAINER
		PRESSURE AND TEMPERATURE TEST PORT
		THERMOMETER
		PRESSURE REDUCING VALVE (WATER SYSTEMS)
		PRESSURE REGULATING VALVE (GAS SYSTEMS)
		RELIEF VALVE
		FLOW MEASURING DEVICE
		BACKFLOW PREVENTER
		UNION



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STUDENT UNION BLDG - LEVEL 01 - PLUMBING DEMOLITION PLAN

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



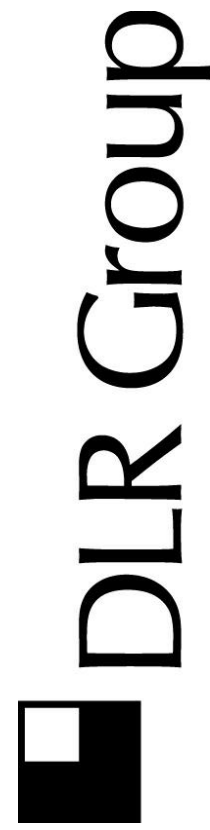
LEGEND AND NOTES

DEMOLITION NOTES

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- B REMOVE EXISTING FIXTURES AND EQUIPMENT AS INDICATED. HOT WATER, COLD WATER, VENT AND/OR GAS PIPING SERVING SUCH ITEMS SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION WITHIN WALL OR ABOVE CEILING AND CAPPED OR PLUGGED UNLESS OTHERWISE NOTED (U.O.N.). WASTE PIPING SERVING SUCH FIXTURES SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION BELOW FINISHED FLOOR OR BEHIND WALL AND CAPPED OR PLUGGED U.O.N. ASSOCIATED EXISTING DEFUNCT PIPING IN CONCEALED LOCATIONS ABOVE CEILING, WITHIN WALLS, BELOW SLAB, OR BELOW GRADE SHALL BE ABANDONED IN PLACE OR REMOVED AS NECESSARY TO AVOID INTERFERENCE WITH NEW WORK. ASSOCIATED EXISTING DEFUNCT PIPING AND COMPONENTS IN EXPOSED LOCATIONS SHALL BE REMOVED U.O.N. (INCLUDING FLOOR DRAINS, WALL AND FLOOR CLEANOUTS, CLEANOUTS TO GRADE, ACCESS PANELS, SHUT-OFF VALVES AND COCKS, YARD BOXES, MANHOLES, CATCH BASINS, AND OTHER EXPOSED COMPONENTS). EXISTING DEFUNCT ELECTRICAL COMPONENTS SERVING EXISTING TO BE REMOVED EQUIPMENT SHALL BE DEMOLISHED AND REMOVED TO POINT OF ORIGIN.

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SHEET NOTES

- DP1 EXISTING FLOOR SINK TO BE REMOVED BY PLUMBING CONTRACTOR.
- DP2 EXISTING HAND SINK AND WALL CLEAN OUT TO BE REMOVED AND CAPPED BELOW FLOOR BY PLUMBING CONTRACTOR.
- DP3 EXISTING LAVATORY TO BE REMOVED BY PLUMBING CONTRACTOR. CONTRACTOR TO SAVE LAVATORY BOWL FOR RE-INSTALLATION ON NEW PLAN PER IN COMPLIANCE WITH ADA.
- DP5 EXISTING WATER CLOSET TO BE REMOVED BY PLUMBING CONTRACTOR.



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DSA FILE: 07-C1

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Revisions

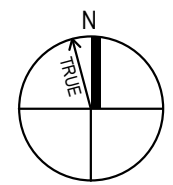
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SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - PLUMBING  
DEMOLITION PLAN

PD2.10

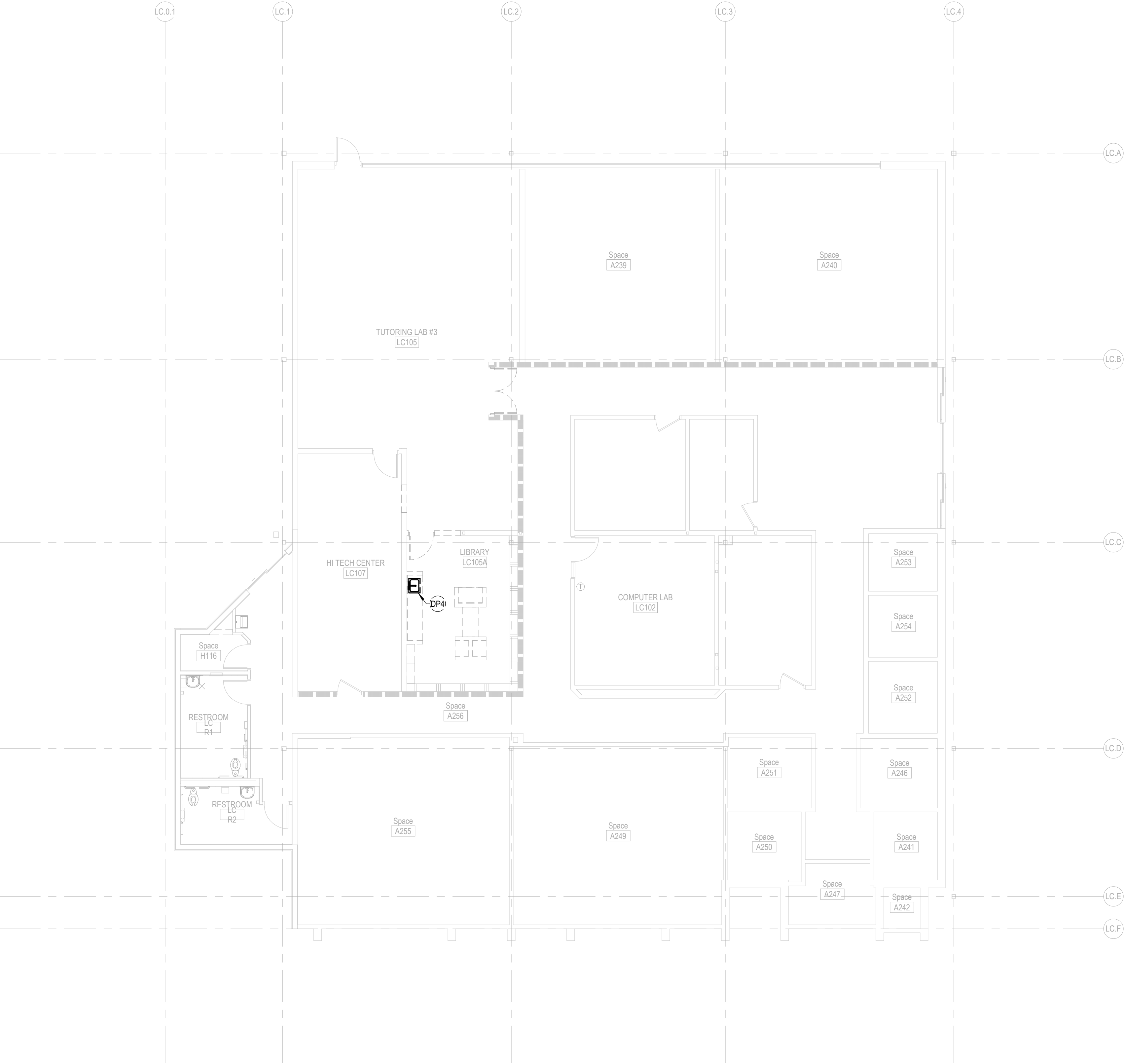


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LEARNING CENTER - LEVEL 01 - PLUMBING DEMOLITION PLAN

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



LEGEND AND NOTES

DEMOLITION NOTES

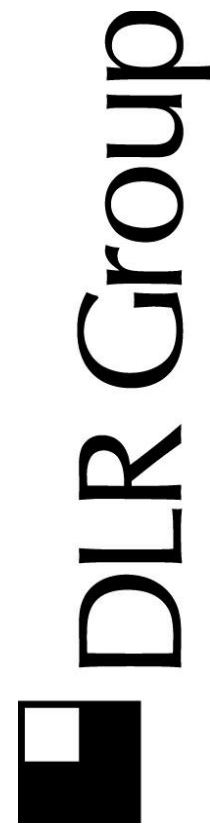
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SHEET NOTES

- DP4 EXISTING SINK TO BE REMOVED BY PLUMBING CONTRACTOR.

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Revisions

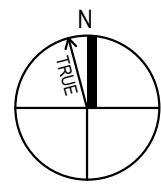
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
LEARNING CENTER - LEVEL  
01 - PLUMBING DEMOLITION  
PLAN

PD2.21



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## PLANETARIUM - LEVEL 01 - PLUMBING DEMOLITION PLAN

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



### LEGEND AND NOTES

#### DEMOLITION NOTES

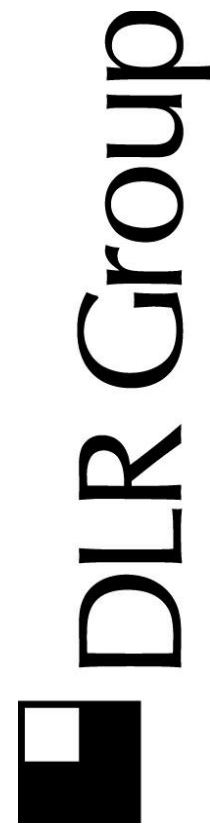
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#### SHEET NOTES

- DP3 EXISTING LAVATORY TO BE REMOVED BY PLUMBING CONTRACTOR. CONTRACTOR TO SAVE LAVATORY BOWL FOR RE-INSTALLATION ON NEW PLAN PER IN COMPLIANCE WITH ADA.

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PLEASANT HILL, CA 94523

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Revisions

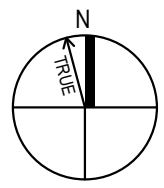
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SHEET NOTES

STUDENT SERVICES -  
PLANETARIUM - LEVEL 01 -  
PLUMBING DEMOLITION PLAN

PD2.22



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STUDENT UNION BLDG - LEVEL 01 - PLUMBING PLAN

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



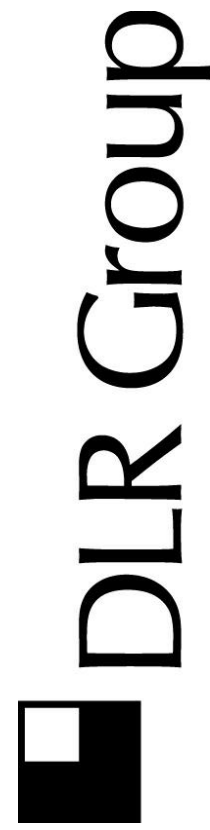
LEGEND AND NOTES

GENERAL NOTES

- A BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING BY PHYSICAL EXCAVATION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- B THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.

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SHEET NOTES

- P2 P.O.C. NEW 2\"/>



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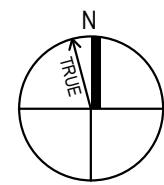
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SHEET NOTES

HEALTH SERVICES -  
STUDENT UNION BLDG -  
LEVEL 01 - PLUMBING PLAN

P2.10

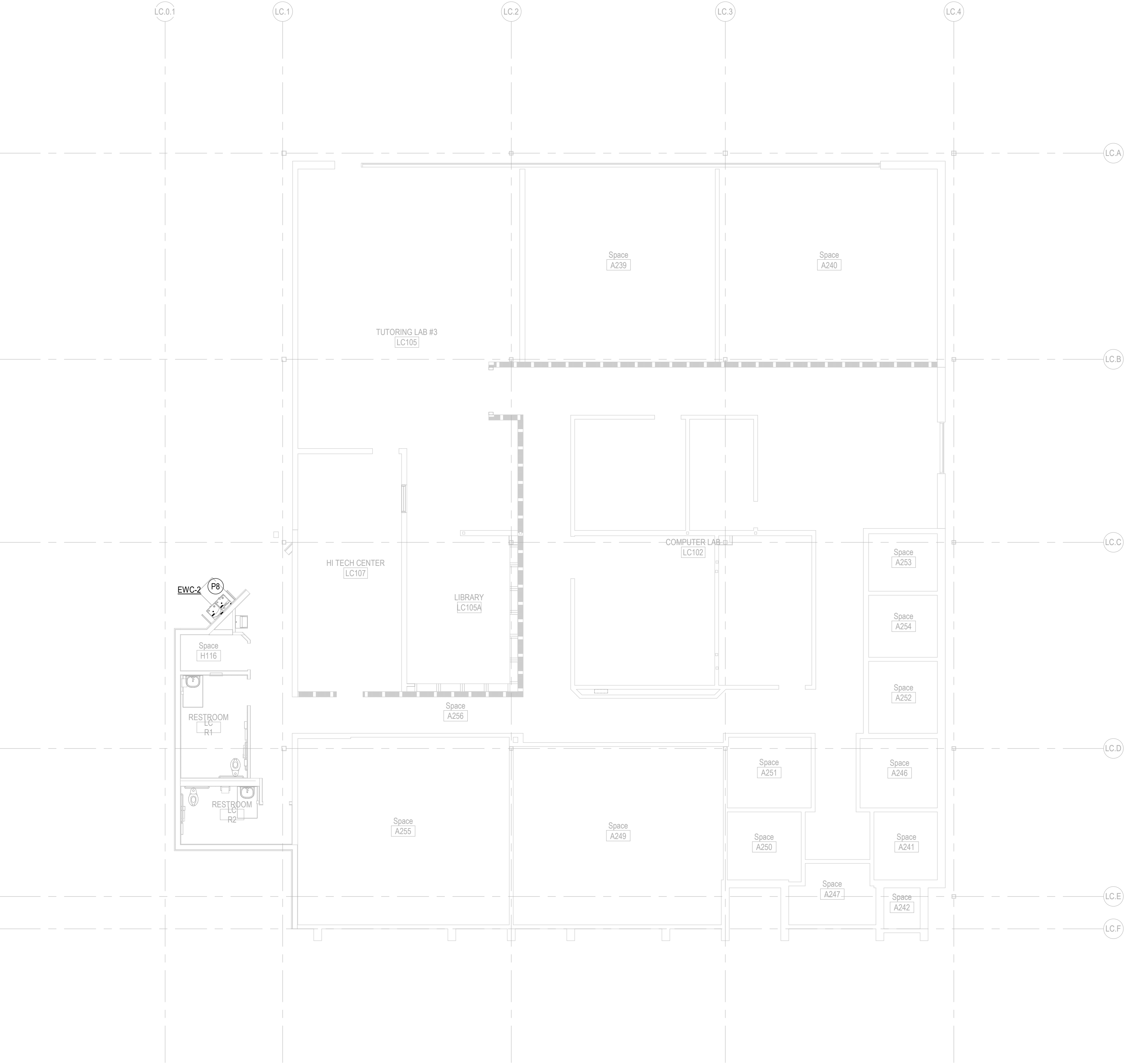


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LEARNING CENTER - LEVEL 01 - PLUMBING PLAN

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



LEGEND AND NOTES

DEMOLITION NOTES

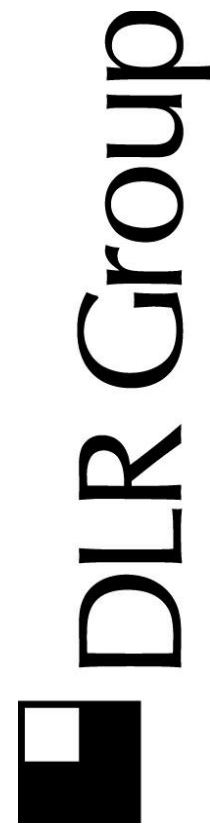
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SHEET NOTES

- P8 CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW ELECTRIC WATER COOLER.

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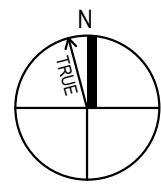
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
LEARNING CENTER - LEVEL  
01 - PLUMBING PLAN

P2.21

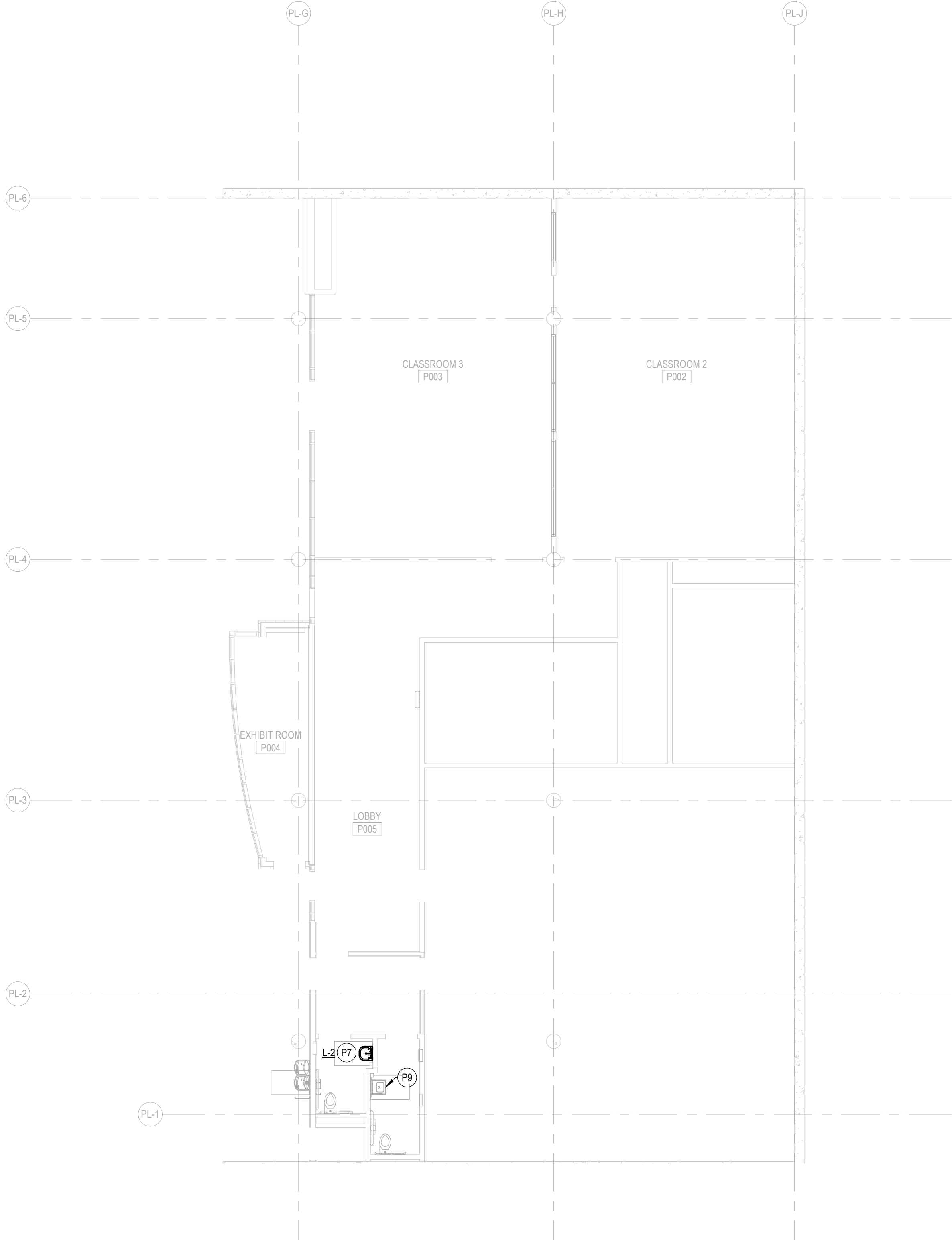


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PLANETARIUM - LEVEL 01 - PLUMBING PLAN

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



LEGEND AND NOTES

DEMOLITION NOTES

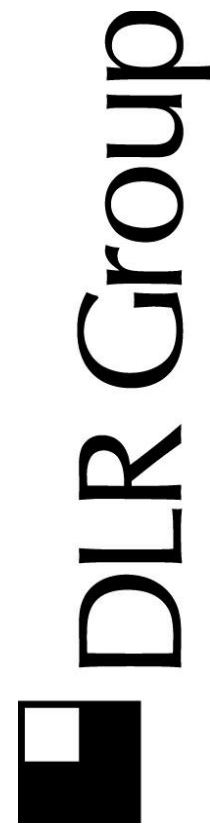
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- B REMOVE EXISTING FIXTURES AND EQUIPMENT AS INDICATED. HOT WATER, COLD WATER, VENT AND/OR GAS PIPING SERVING SUCH ITEMS SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION WITHIN WALL OR ABOVE CEILING AND CAPPED OR PLUGGED UNLESS OTHERWISE NOTED (U.O.N.). WASTE PIPING SERVING SUCH FIXTURES SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION BELOW FINISHED FLOOR OR BEHIND WALL AND CAPPED OR PLUGGED U.O.N. ASSOCIATED EXISTING DEFUNCT PIPING IN CONCEALED LOCATIONS ABOVE CEILING, WITHIN WALLS, BELOW SLAB, OR BELOW GRADE SHALL BE ABANDONED IN PLACE OR REMOVED AS NECESSARY TO AVOID INTERFERENCE WITH NEW WORK. ASSOCIATED EXISTING DEFUNCT PIPING AND COMPONENTS IN EXPOSED LOCATIONS SHALL BE REMOVED U.O.N. (INCLUDING FLOOR DRAINS, WALL AND FLOOR CLEANOUTS, CLEANOUTS TO GRADE, ACCESS PANELS, SHUT-OFF VALVES AND COCKS, YARD BOXES, MANHOLES, CATCH BASINS, AND OTHER EXPOSED COMPONENTS). EXISTING DEFUNCT ELECTRICAL COMPONENTS SERVING EXISTING TO BE REMOVED EQUIPMENT SHALL BE DEMOLISHED AND REMOVED TO POINT OF ORIGIN.

SHEET NOTES

- P7 CONTRACTOR SHALL ROUGH-IN AND CONNECT TO EXISTING SERVICES FOR NEW LAVATORY.
- P9 PROVIDE MCQUIRE FW2/25 PRE-WRAPPED P-TRAP & TRAP ARM, AND SUPPLY COVERS. INSTALL IN ACCORDANCE WITH CCCCDD REQUIREMENTS AND MANUFACTURERS RECOMMENDATION.

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Revisions

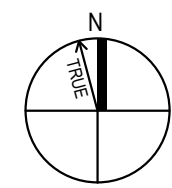
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

STUDENT SERVICES -  
PLANETARIUM - LEVEL 01 -  
PLUMBING PLAN

P2.22

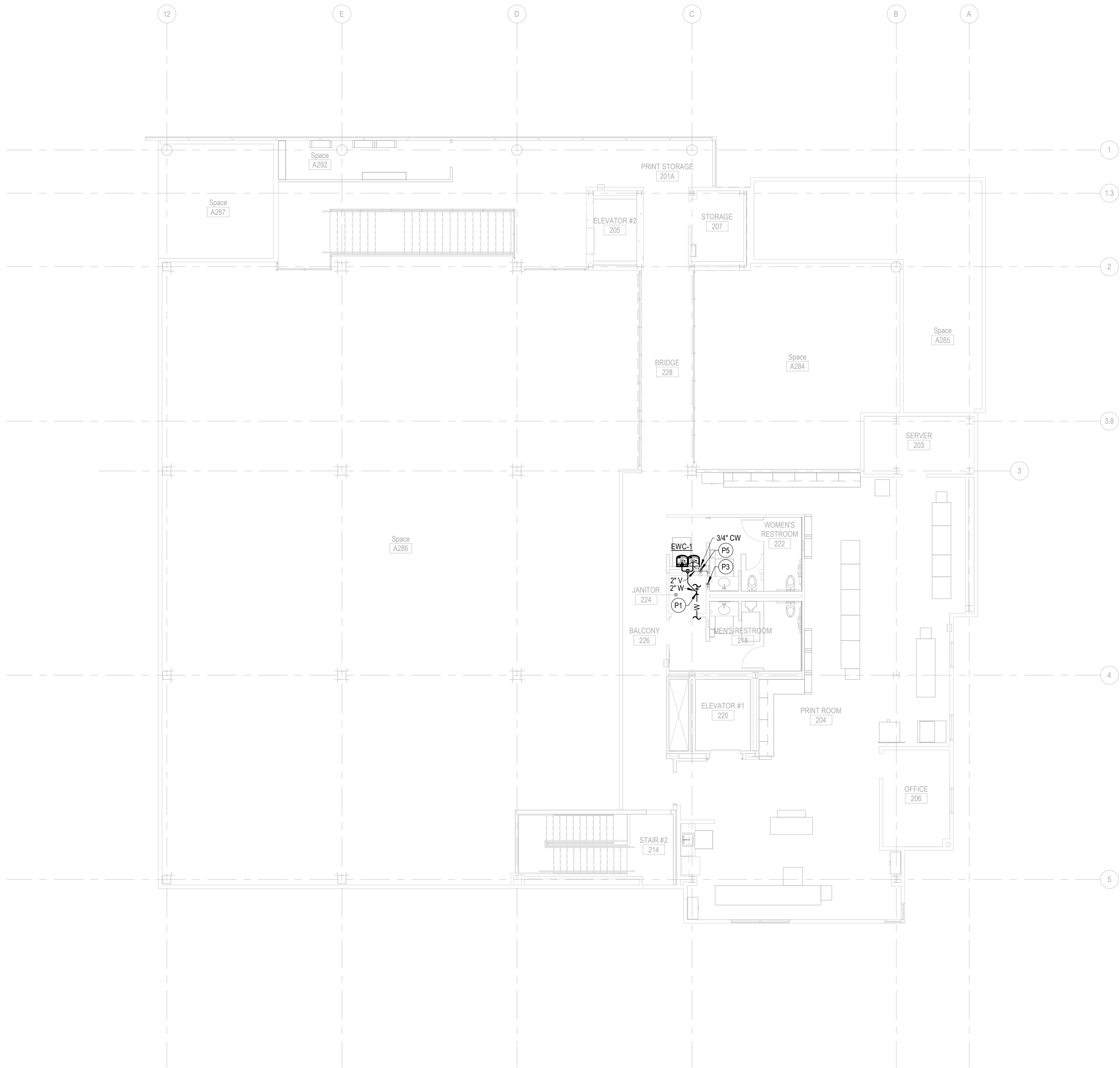


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BOOKSTORE - LEVEL 02 - PLUMBING PLAN

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



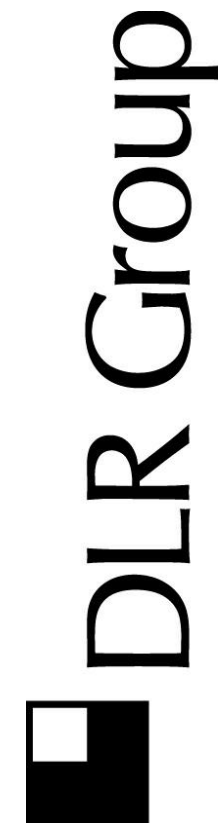
LEGEND AND NOTES

GENERAL NOTES

- A BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING BY PHYSICAL EXCAVATION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- B THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.

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SHEET NOTES

- P3 P.O.C. NEW 2" VENT LINE TO EXISTING VENT LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- P5 P.O.C. NEW 3/4" COLD-WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD-WATER LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.



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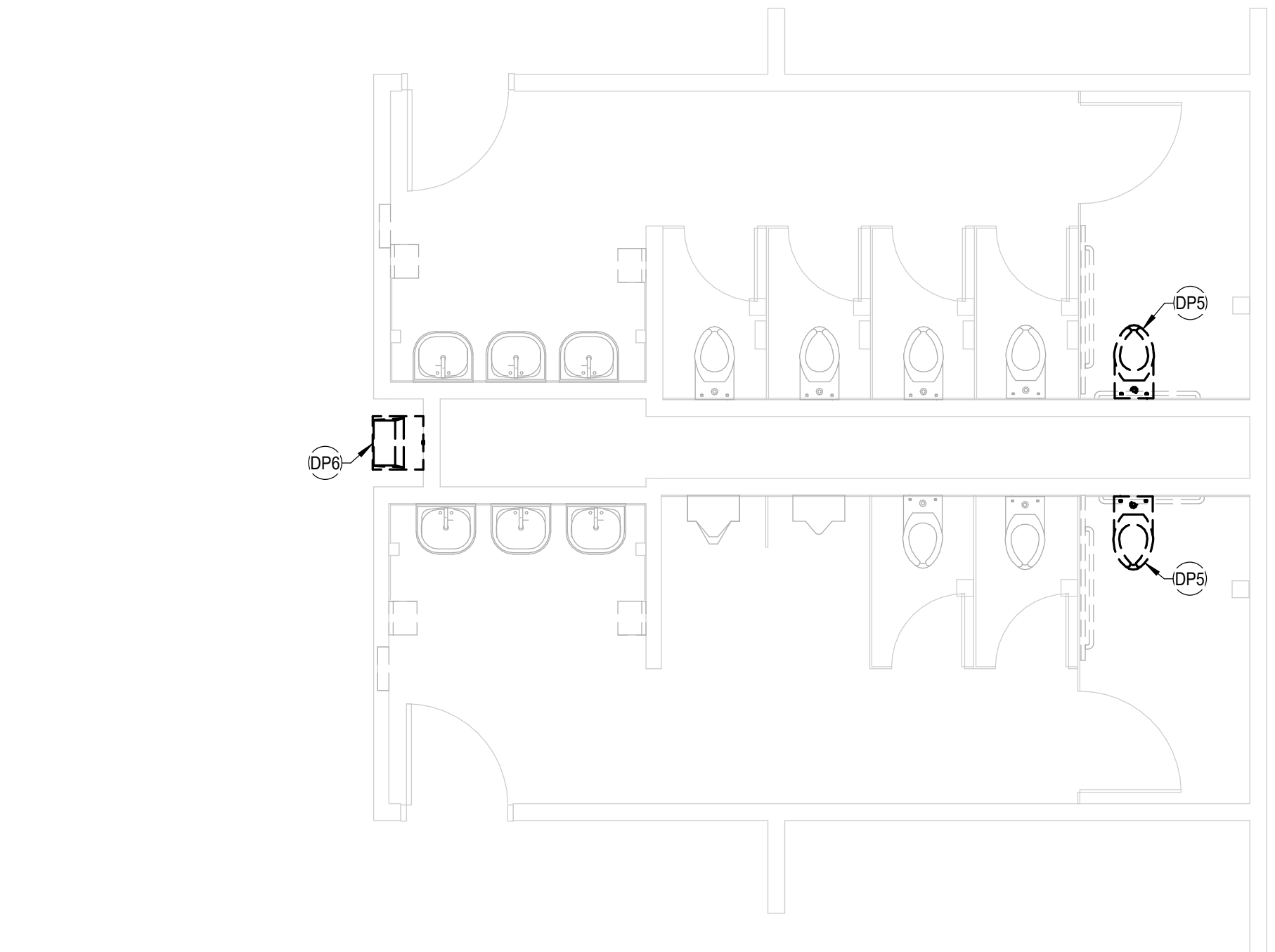
DLR GROUP PROJECT NUMBER:  
SHEET NOTES

PRINT SHOP - BOOKSTORE -  
LEVEL 02 - PLUMBING PLAN

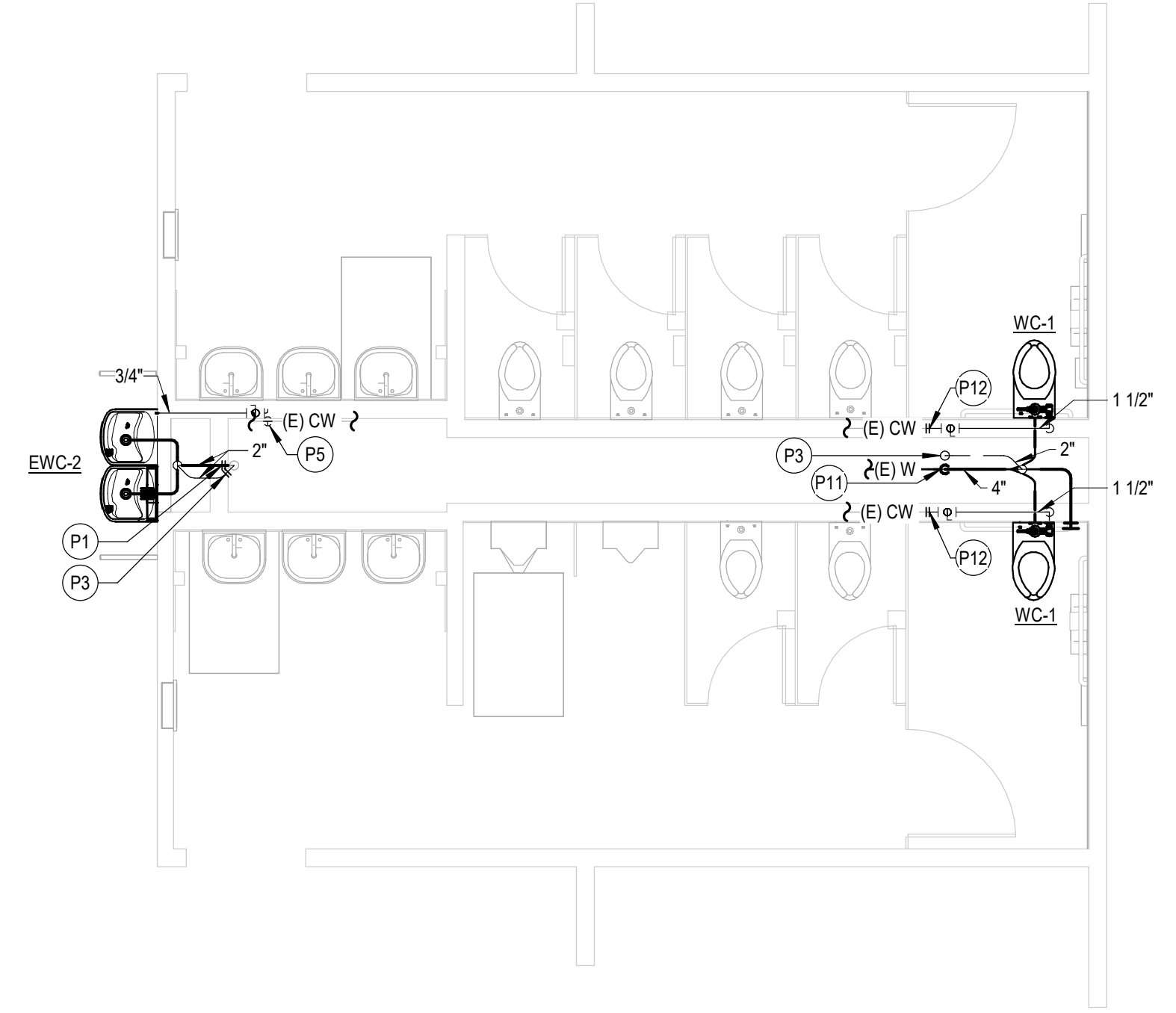
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**BFL - RESTROOMS - PLUMBING DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



**BFL - RESTROOMS - PLUMBING NEW PLAN**  
SCALE: 1/4" = 1'-0"

## LEGEND AND NOTES

### DEMOLITION NOTES

- A OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS INDICATED TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH OWNER PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY OWNER SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR FOR OWNER'S USE. ALL ITEMS REFUSED BY OWNER SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
- B REMOVE EXISTING FIXTURES AND EQUIPMENT AS INDICATED. HOT WATER, COLD WATER, VENT AND/OR GAS PIPING SERVING SUCH ITEMS SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION WITHIN WALL OR ABOVE CEILING AND CAPPED OR PLUGGED UNLESS OTHERWISE NOTED (U.O.N.). WASTE PIPING SERVING SUCH FIXTURES SHALL BE REMOVED TO A SUITABLE CONCEALED LOCATION BELOW FINISHED FLOOR OR BEHIND WALL AND CAPPED OR PLUGGED U.O.N. ASSOCIATED EXISTING DEFUNCT PIPING IN CONCEALED LOCATIONS ABOVE CEILING, WITHIN WALLS, BELOW SLAB, OR BELOW GRADE SHALL BE ABANDONED IN PLACE OR REMOVED AS NECESSARY TO AVOID INTERFERENCE WITH NEW WORK. ASSOCIATED EXISTING DEFUNCT PIPING AND COMPONENTS IN EXPOSED LOCATIONS SHALL BE REMOVED U.O.N. (INCLUDING FLOOR DRAINS, WALL AND FLOOR GLEANOUTS, GLEANOUTS TO GRADE, ACCESS PANELS, SHUT-OFF VALVES AND COCKS, YARD BOXES, MANHOLES, CATCH BASINS, AND OTHER EXPOSED COMPONENTS). EXISTING DEFUNCT ELECTRICAL COMPONENTS SERVING EXISTING TO BE REMOVED EQUIPMENT SHALL BE DEMOLISHED AND REMOVED TO POINT OF ORIGIN.

### GENERAL NOTES

- A BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIRING BY PHYSICAL EXCAVATION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- B THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.

### SHEET NOTES

- DP5 EXISTING WATER CLOSET TO BE REMOVED BY PLUMBING CONTRACTOR.
- DP6 EXISTING DRINKING FOUNTAIN TO BE REMOVED BY PLUMBING CONTRACTOR.
- P1 P.O.C. NEW 2" WASTE LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- P3 P.O.C. NEW 2" VENT LINE TO EXISTING VENT LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- P5 P.O.C. NEW 3/4" COLD-WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD-WATER LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- P11 P.O.C. NEW 4" SEWER LINE TO EXISTING SEWER LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- P12 P.O.C. NEW 3/4" COLD-WATER LINE WITH SHUT-OFF VALVE TO EXISTING COLD-WATER LINE IN WALL. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.

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SHEET NOTES

**BFL - RESTROOMS - PLUMBING DEMOLITION & NEW PLANS**

**P2.51**