
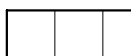









Ø	AT	LAM.	LAMINATED
ø	DIAMETER	LBS.	POUNDS
#	NUMBER	LEV.	LEVEL
		LOC.	LOCATION
A.C.T.	ACOUSTIC CEILING TILE	MAX.	MAXIMUM
A.D.	AREA DRAIN	M.D.F.	MEDIUM DENSITY FIBERBOARD
ADJ.	ADJACENT, ADJUSTABLE	MECH.	MECHANICAL
A.F.F.	ABOVE FINISHED FLOOR	MEMB.	MEMBRANE
AL.	ALUMINUM	MEZZ.	MEZZANINE
A.T.C.	ACOUSTIC TILE CEILING	MFR.	MANUFACTURER
BD.	BOARD	MIN.	MINIMUM
BETW.	BETWEEN	MISC.	MISCELLANEOUS
BLKG.	BLOCKING	M.O.	MASONRY OPENING
BM.	BEAM	MOD.	MODULE
B.O.	BOTTOM OF	M.S.	MACHINE SCREW
BOT.	BOTTOM	MTD.	MOUNTED
BRG.	BEARING	MTL.	METAL
BTWN.	BETWEEN		
		(N)	NEW
CAB.	CABINET	N.I.C.	NOT IN CONTRACT
CER.	CERAMIC	NO.	NUMBER
C.J.	CONTROL JOINT	NOM.	NOMINAL
CL.	CENTER LINE	N.T.S.	NOT TO SCALE
CL.	CLOSET		
CLG.	CEILING	O.A.D.	OVERALL DIMENSION
CLR.	CLEAR	O.C.	ON CENTER
C.M.U.	CONCRETE MASONRY UNIT	O.D.	OUTSIDE DIAMETER
COL.	COLUMN	OPNG.	OPENING
CONC.	CONCRETE	OPP.	OPPOSITE
CONS.	CONSTRUCTION	O.F.C.I.	OWNER FURNISHED/ CONTRACTOR INSTALLED
CONT.	CONTINUOUS	O.F.O.I.	OWNER FURNISHED/ OWNER INSTALLED
COORD.	COORDINATE	O.F.V.I.	OWNER FURNISHED/ VENDOR INSTALLED
C.R.	COLD ROLLED	O.H.	OVAL HEAD
C.T.	CERAMIC TILE	O.H.	OVERHEAD
CTSK.	COUNTERSINK		
		P. LAM.	PLASTIC LAMINATE
DBL.	DOUBLE	PAR	PROPERTY LINE
DCA.	DRILLED CONCRETE ANCHOR	PERP.	PARALLEL
DET.	DETAIL	PL.	PERPENDICULAR
D.F.	DRINKING FOUNTAIN	PLY.	PLYWOOD
DIA.	DIAMETER	PLYWD.	PLYWOOD
DIM.	DIMENSION	PT.	PAINT
DIR.	DIRECTORY	PTD.	PAINTED
DISP.	DISPENSER	PTN.	PARTITION
DN.	DOWN		
DR.	DOOR	Q.T.	QUARRY TILE
DTL.	DETAIL	QTY.	QUANTITY
DWG.	DRAWING		
(E)	EXISTING	R.	RADIUS
EA.	EACH	RAD.	RADIUS
E.J.	EXPANSION JOINT	R.D.	ROOF DRAIN
EL.	ELEVATION	RE.	REFER TO
ELEC.	ELECTRICAL	REQD.	REQUIRED
EQ.	EQUAL	RES.	RESILIENT
EQUIP.	EQUIPMENT	RESIL.	RESILIENT
E.W.C.	ELECTRIC WATER COOLER	R.H.	ROUND HEAD
EXIST.	EXISTING	RM.	ROOM
EXP.	EXPANSION	R.O.	ROUGH OPENING
EXP. JT.	EXPANSION JOINT		
EXT.	EXTERIOR	S.C.	SOLID CORE
		SCHED.	SCHEDULE
F.D.	FLOOR DRAIN	SECT.	SECTION
F.E.	FIRE EXTINGUISHER	S.E.D.	SEE ELECTRICAL DRAWINGS
F.E.C.	FIRE EXTINGUISHER CABINET	S.F.	SQUARE FOOT
F.H.	FLAT HEAD	SHT.	SHEET
F.H.C.	FIRE HOSE CABINET	SM.	SIMILAR
FIN.	FINISH	S.M.D.	SEE MECHANICAL DRAWINGS
FLR.	FLOOR	S.M.S.	SHEET METAL SCREW
FLUOR.	FLUORESCENT	S.P.D.	SEE PLUMBING DRAWINGS
F.O.	FACE OF	S.S.	STAINLESS STEEL
F.O.S.	FACE OF STUD	S.S.D.	SEE STRUCTURAL DRAWINGS
F.O.W.	FACE OF WALL	STD.	STANDARD
F.S.	FULL SIZE	STL.	STEEL
FURR.	FURRING	STRUCT.	STRUCTURAL
FUT.	FUTURE	SUSP.	SUSPENDED
GA.	GAUGE	TEMP.	TEMPERED GLASS
GALV.	GALVANIZED	THK.	THICK
G.B.	GRAB BAR	T.O.	TOP OF
G.D.	GARBAGE DISPOSAL	T.O.C.	TOP OF CONCRETE
G.W.B.	GYSUM WALLBOARD	T.O.S.	TOP OF STEEL
GYP. BD.	GYSUM WALLBOARD	TYP.	TYPICAL
H.B.	HOSE BIBB	U.L.	UNDERWRITERS LABORATORIES INC.
H.C.	HOLLOW CORE	U.O.N.	UNLESS OTHERWISE NOTED
HDWD.	HARDWOOD		
H.M.	HOLLOW METAL	V.C.T.	VINYL COMPOSITION TILE
HORZ.	HORIZONTAL	VEN.	VENEER
HR.	HOUR	VER.	VERIFY
H.R.	HOT ROLLED	VEST.	VESTIBULE
HT.	HEIGHT	VERT.	VERTICAL
		V.I.F.	VERIFY IN FIELD
I.D.	INSIDE DIAMETER	V.W.C.	VINYL WALL COVERING
I.F.	INSIDE FACE		
INS.	INSULATION	W/	WITH
INT.	INTERIOR	W.C.	WATER CLOSET
INTER.	INTERMEDIATE	W.C.	WALL COVERING
		WD.	WOOD
JAN.	JANITOR	W.P.	WATERPROOF
JST.	JOIST	W.R.	WATER RESISTANT
JT.	JOINT		

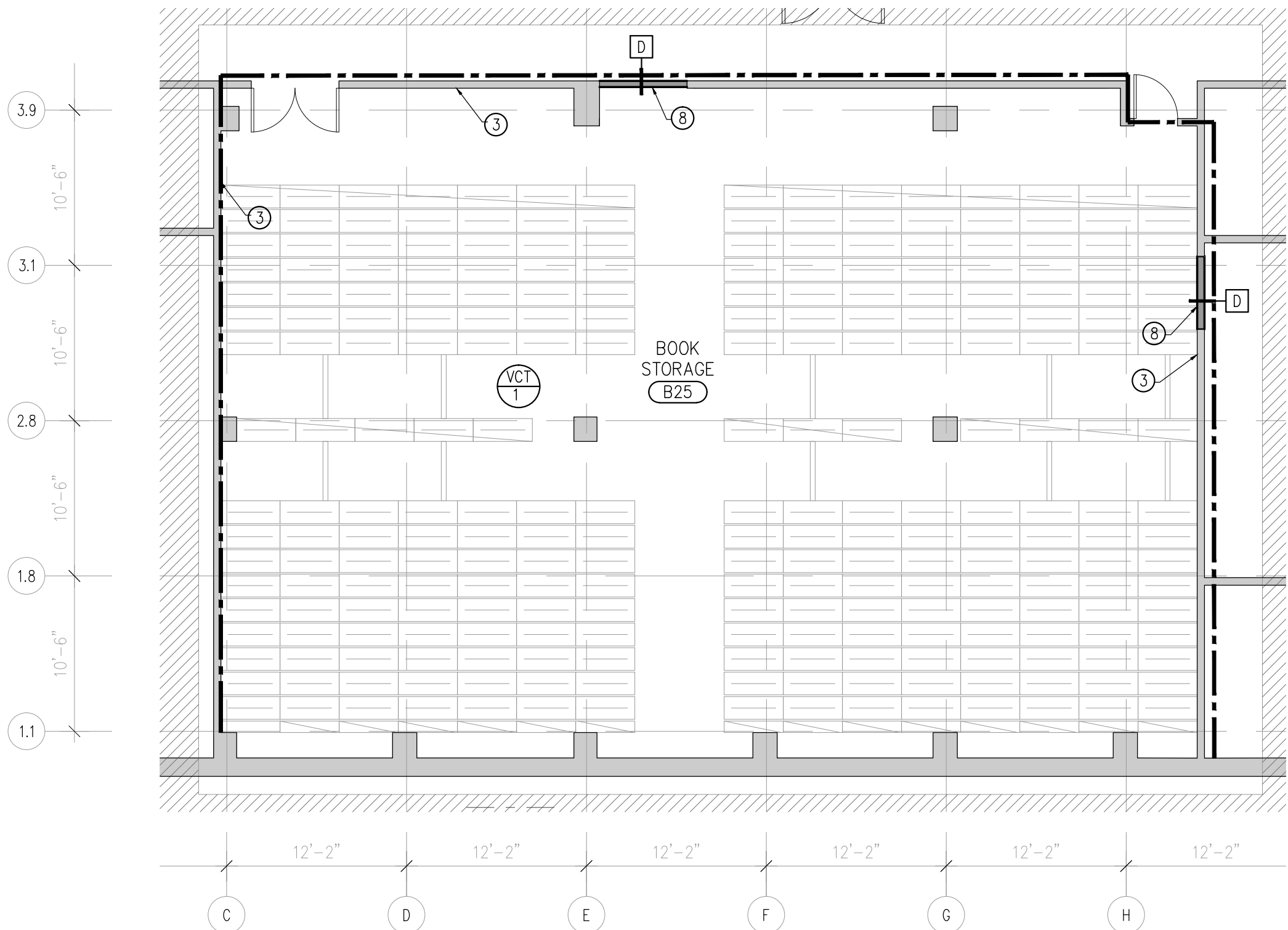
	NORTH INDICATOR		INDICATES LEVEL LINE, CONTROL POINT, OR DATUM		DETAIL DRAWING REFERENCE SYMBOL:		REVISION DESIGNATION: MOST CURRENT REVISION SHOWN CLOUDED ON DRAWING; RE: REVISION LIST IN TITLE BLOCK
	COLUMN REFERENCE GRID		MATCH LINE				
		KEY NOTE DESIGNATION; RE: KEY NOTE LEGEND		ALIGN FACE OF FINISH WITH ADJACENT FACE OF FINISH		SHEET NUMBER TO BE REFERENCED	
			LIMIT OF DEMOLITION / NEW CONSTRUCTION				
	KEY NOTE DESIGNATION; RE: KEY NOTE LEGEND		CENTERLINE		LARGE SCALE PLAN OR ENLARGED SECTIONAL DETAIL: DETAIL NUMBER TO BE REFERENCED		
			CLG. HT. AT DESIGNATED LOCATION; TYPICAL CLG. HT. IS 8'-0" U.O.N.				
	DRAWING REFERENCE; ARROW INDICATES DIRECTION OF VIEW DETAIL NUMBER SHEET NUMBER		DOOR DESIGNATION MARK – SEE DOOR SCHEDULE		SHEET NUMBER TO BE REFERENCED		
			WINDOW OR LOUVER DESIGNATION MARK – SEE WINDOW SCHEDULE				
	ROOM NAME		ROOM NUMBER		SQUARE FOOTAGE		

# GO.0



	EXISTING INTERIOR & EXTERIOR WALL		<u>ARMSTRONG CEILING SYSTEM</u>
	NEW FULL HEIGHT INTERIOR WALL		24" x 24" SQUARE REGULAR TILES, MATCH BUILDING STANDARD.
	WALL TO BE REMOVED		
	DATA PORT		2'x4' LIGHT COOPER LIGHTING 130513-24EN-2X4-LED WITH DIMMING CONTROLS.
	QUAD OUTLET		
	DUPLEX OUTLET		CEILING ACCESS PANEL

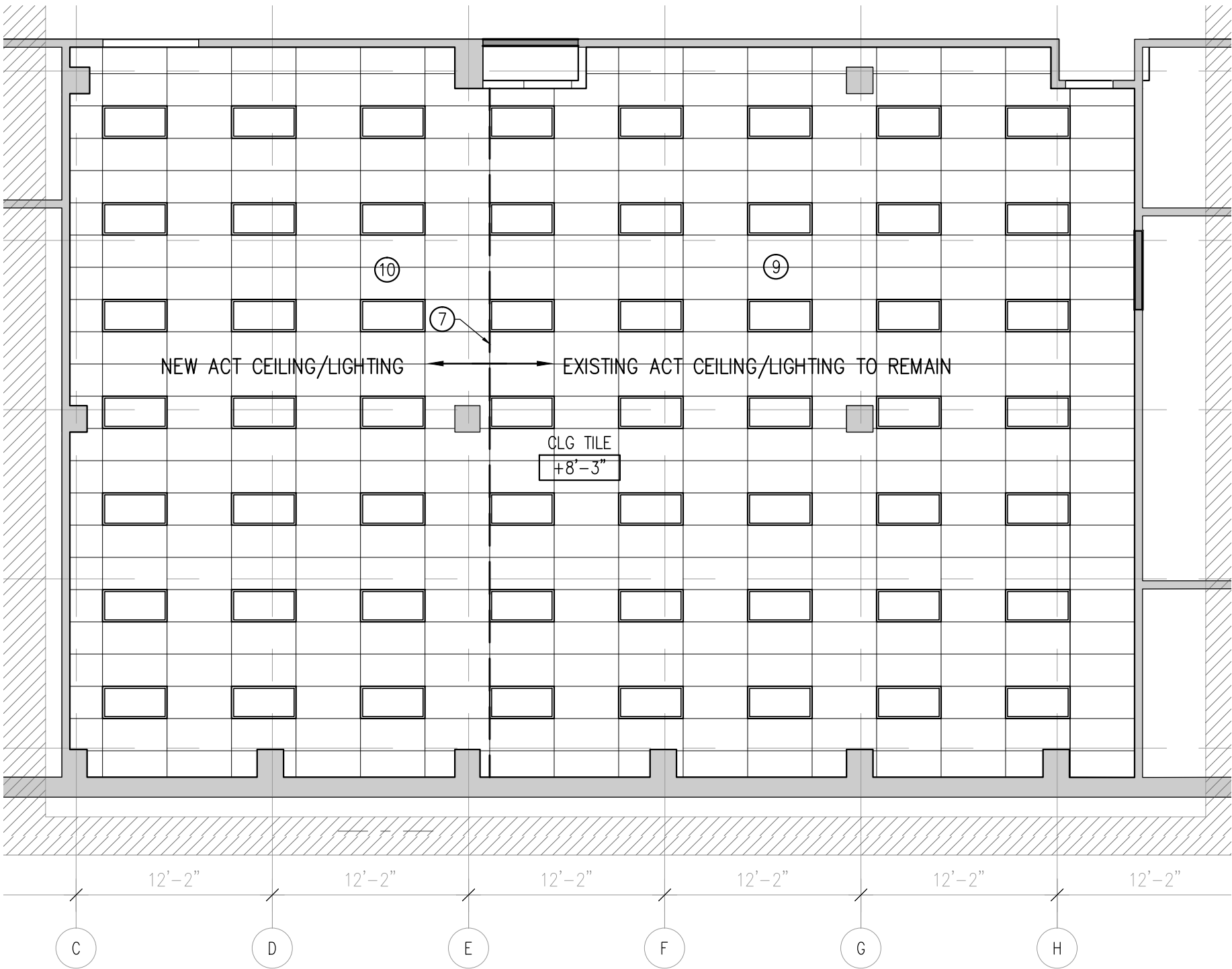
NOTE ON EGRESS/ACCESSIBILITY							
EXISTING SPACE TO MAINTAIN EXISTING ACCESSIBLE PATH OF TRAVEL, ACCESSIBLE PARKING SPOTS, AND BATHROOM FACILITIES. NO CHANGE IN OVERALL BUILDING USE. CHANGE IN USE OF B27 FROM OFFICE (B) TO ACCESSORY STORAGE (S-1).							
OCCUPANT LOADS							
USE	AREA (SF)	O.L.F.	OCC. LOAD	REQ. EXITS	# EXITS	REQ. EXIT WIDTH	PROV. EXIT WIDTH
HIGH DENSITY STORAGE B25	2,935	1:300	10	1	2	32"	35" & 71"



FLOOR PLAN

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

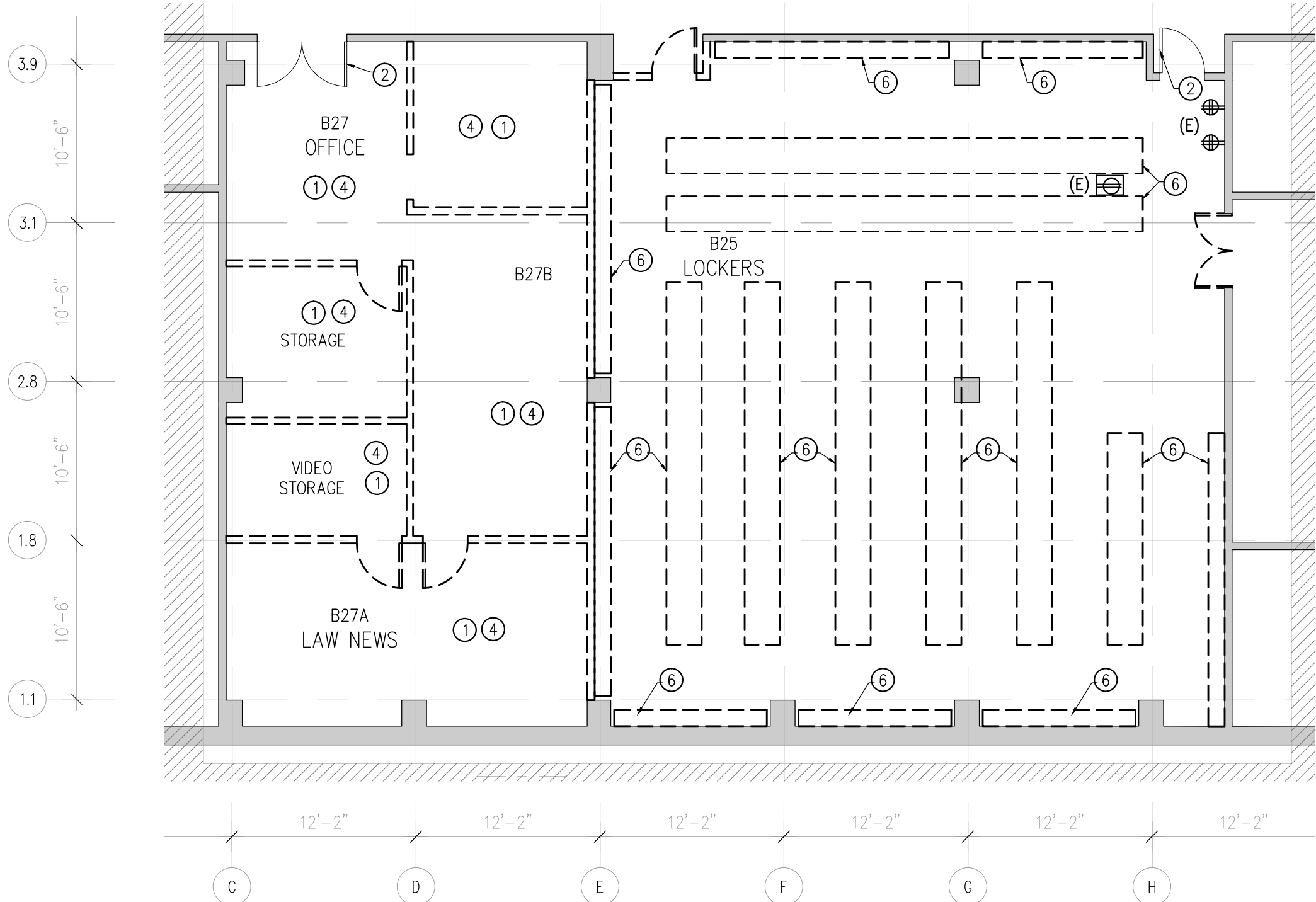
2



REFLECTED CEILING PLAN

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

3



DEMOLITION PLAN

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

1

PLAN KEYNOTES		GENERAL NOTES	LEGEND	
① REMOVE EXISTING CARPET.	⑨ EXISTING HVAC AND REGISTERS TO REMAIN.	1. ALLOW FOR PATCHING OF EXISTING WALLS AND COLUMNS TO MAKE SMOOTH.	EXISTING INTERIOR & EXTERIOR WALL	24" X 48" RECTANGULAR TILES (MATCH EXISTING)
② EXISTING DOOR TO REMAIN.	⑩ RECONFIGURE EXISTING HVAC AND REGISTERS IN NEW CEILING. DISTRIBUTE UNIFORMLY.	2. PAINT WALLS P-1 UNLESS OTHERWISE NOTED. SEE FINISH SCHEDULE.	NEW FULL HEIGHT INTERIOR WALL	
③ VERIFY WALL/DOORS ARE 1 HR PARTITIONS. CONTRACTOR RESPONSIBLE FOR PATCHING ANY EXISTING PENETRATIONS TO MAKE 1 HR RATING.		3. SAVE REGISTERS, FIRE ALARM DEVICES FOR REUSE. RETURN UNUSED MATERIALS TO OWNER.	WALL TO BE REMOVED	2'X4' BUILDING STANDARD DIRECT/INDIRECT LIGHT
④ DEMO CEILING GRID. SAVE LIGHTS FOR REUSE IN NEW CEILING GRID.		4. NEW RUBBER BASE ON ALL WALLS. SEE FINISH SCHEDULE FOR SPEC.	QUAD OUTLET	
⑤ --		5. SEE SHEET 3/A1.5 FOR FINISH SCHEDULE.	DUPLEX OUTLET	
⑥ DEMO CONCRETE LOCKER PADS.		6. SEE SHEET A6.0 FOR CEILING DETAILS.	DUPLEX FLOOR BOX OUTLET	
⑦ ALIGN NEW CEILING TILE WITH EXISTING.		7. SEE SHEET 2/A7.0 FOR WALL PARTITION TYPES.	1 HR RATED WALL	
⑧ DEMO EXISTING DOOR AND FRAME. INFILL OPENING WITH 1 HOUR WALL, SEE 2B/A7.0.		8. SAVE LIGHTS FOR REUSE WITH SHELVING INSTALLER.		
		9. VCT FLOORING TO BE INSTALLED ON TOP OF HIGH DENSITY SHELVING FLOOR. COORDINATE WITH SHELVING INSTALLER.		
		10. NEW VCT FLOOR TO MATCH EXISTING VCT FLOOR.		
		11. REPLACE CEILING TILE AS NEEDED.		
		12. HIGH DENSITY STORAGE SHOWN FOR REFERENCE. BY OTHERS.		
		13. RECONFIGURE FIRE ALARM TO MEET REQUIRED CODES.		

MKTHINK

Architects:

MKTHINK

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mkthink.com

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Project:  
Media Services Relocation  
200 McAllister Street  
San Francisco, CA

Project Number:  
491-142



Clients:  
UC Hastings College of Law  
200 McAllister Street  
San Francisco, CA

Rev.	Issue	Date
	BID SET	1.9.14

Seal:

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

Drawing Description:

**HIGH DENSITY STORAGE  
PLANS IN 198 MCALLISTER**

Date:

Drawn By: -- Checked By: --

Sheet Number:

A1.2



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Rev.	Issue	Date
	BID SET	1.9.14

Seal:

Scale: **AS NOTED**

Drawing Description:  
**4th FLOOR STUDY ROOMS  
IN 200 McALLISTER**

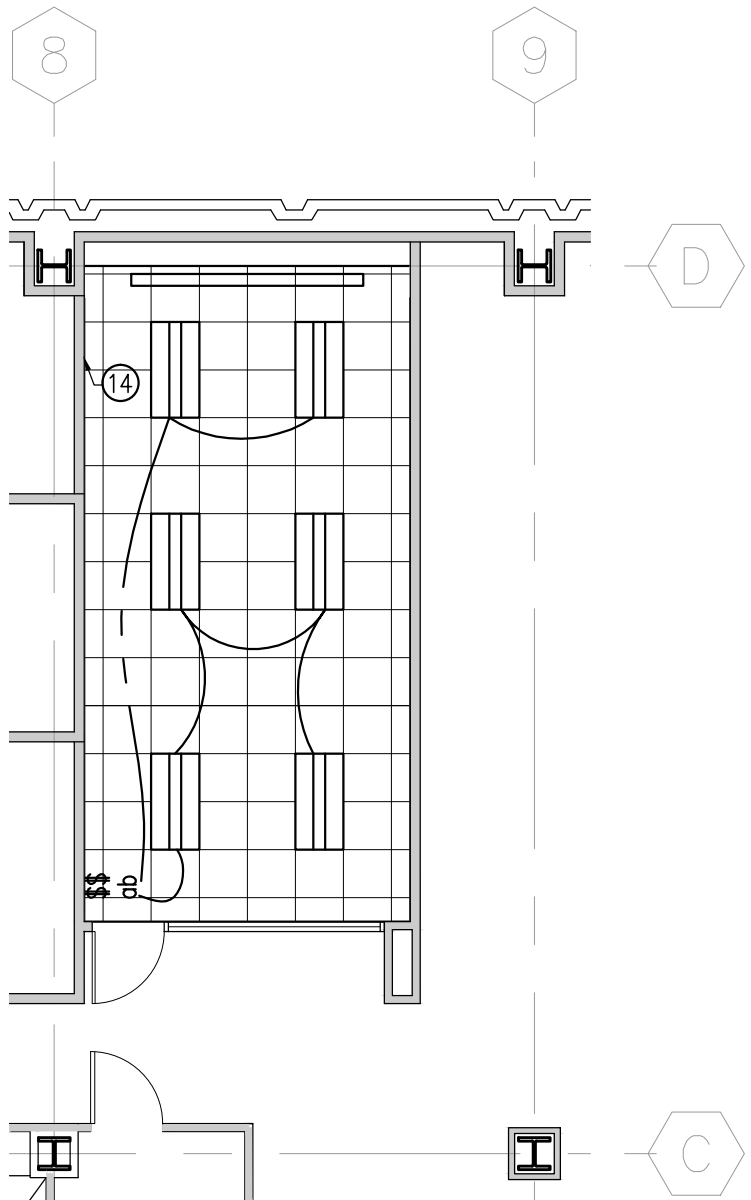
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Drawn By: -- Checked By: --  
Sheet Number:

NOTE ON EGRESS/ACCESSIBILITY							
EXISTING SPACE TO MAINTAIN EXISTING ACCESSIBLE PATH OF TRAVEL, ACCESSIBLE PARKING SPOTS, AND BATHROOM FACILITIES. NO CHANGE IN OVERALL BUILDING USE. NO CHANGE IN USE TO ROOM 425. CHANGE IN USE FROM STORAGE TO OPEN OFFICE IN ROOMS 424 & 427.							

OCCUPANT LOADS							
USE	AREA (SF)	O.L.F.	OCC. LOAD	REQ. EXITS	# EXITS	REQ. EXIT WIDTH	PROV. EXIT WIDTH
READING ROOM 424	97	1:50	2	1	1	32"	36"
READING ROOM 425	83	1:50	2	1	1	32"	32"
OPEN OFFICE 427*	182	1:100	2	--	--	--	--

\* = FOR NEWLY OPENED AREA ONLY

- EXISTING GRID TO REMAIN.  
- REPLACE EXISTING 2X4 LIGHT WITH COOPER LIGHTING 130515-24EN-2X4-LED WITH DIMMING CONTROLS.  
- ADD 2ND CONTROL/DIMMING SWITCH AT NOTE 20. SWITCH LIGHTS AS SHOWN ON OVERALL PLAN.  
- ALL NEW LIGHTS TO BE COMPATIBLE WITH GE CENTRAL CONTROLLER.



TRAINING ROOM

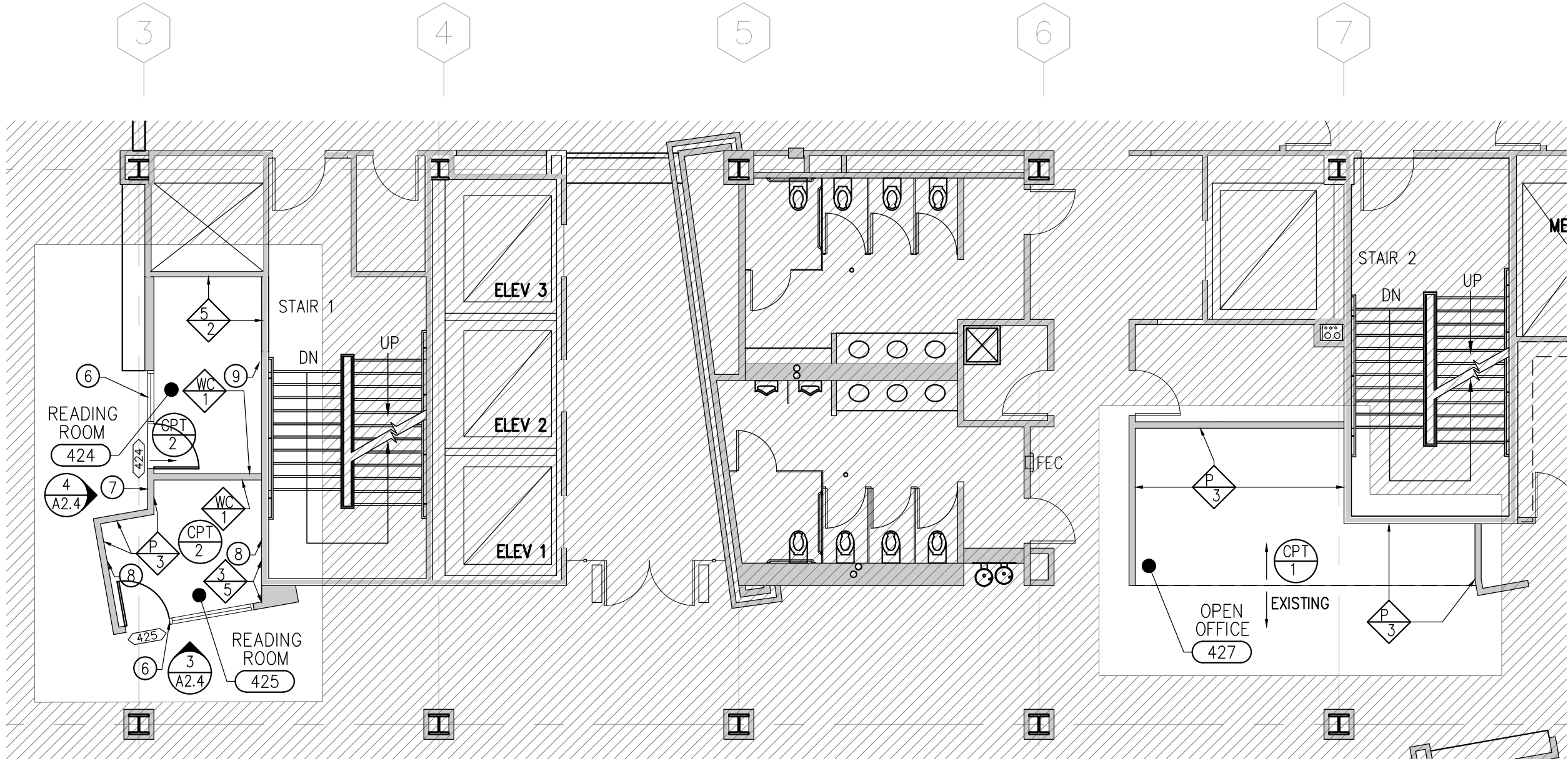
Scale: 1/8" = 1'- 0"

4

FINISH SCHEDULE

Scale: --

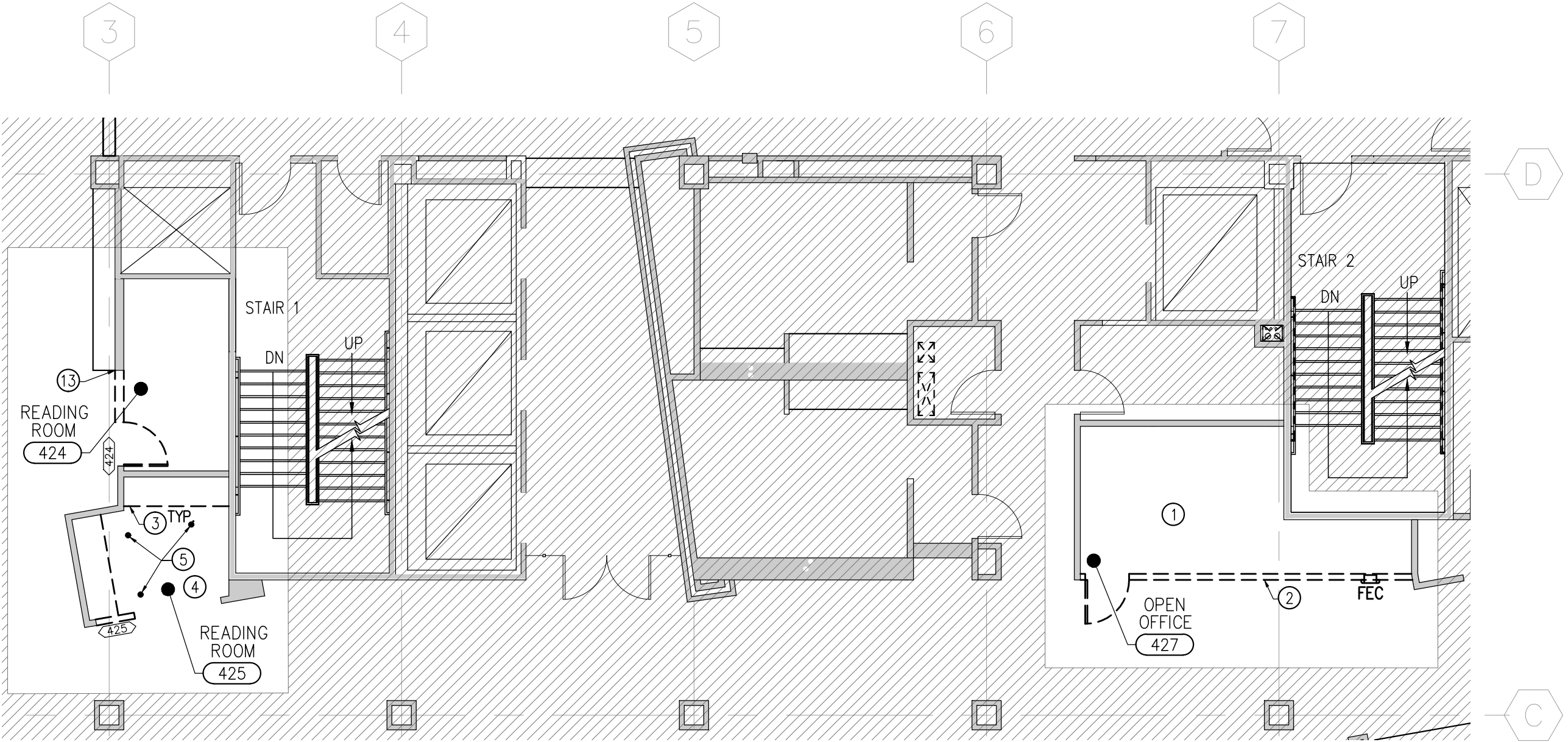
3



PLAN

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

2



DEMOLITION PLAN

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

1

PLAN KEYNOTES				GENERAL NOTES		LEGEND	
① REMOVE AND SAVE EXISTING LIGHTS. RETURN TO OWNER. REPLACE CEILING TILES AS NEEDED, MATCH EXISTING.	⑪ --			1. PATCH EXISTING WALLS WHERE CONSTRUCTION REMOVED, AS NEEDED.			EXISTING INTERIOR & EXTERIOR WALL
② CUT BACK WALL TO FORM SOFFIT EDGE AT 8'-6" AFF, SEE 3/A7.0. REMOVE EXISTING FIRE EXTINGUISHER CABINET. RELOCATE PHONE.	⑫ --			2. PROVIDE BACKING AS REQUIRED.			NEW FULL HEIGHT INTERIOR WALL
③ REMOVE EXISTING SOLID SURFACE COUNTER.	⑬ CUT BACK EXISTING WALL TO 4" FROM EXISTING BOOKCASE			3. NEW WALLS TO BE TYPE A U.O.N.			WALL TO BE REMOVED
④ EXISTING SOFFIT TO REMAIN. RELOCATE DOWN LIGHTS AND PATCH CEILING.	⑭ 2ND CONTROL/DIMMING SWITCH. SWITCH LIGHTS AS SHOWN ON OVERALL PLAN.			4. PAINT WALLS TO MATCH EXISTING UNLESS OTHERWISE NOTED. SEE FINISH SCHEDULE.			DATA PORT
⑤ REMOVE AND RELOCATE EXISTING LIGHT FROM CEILING.				5. SEE SHEET A6.0 FOR CEILING DETAILS.			QUAD OUTLET
⑥ NEW ALUMINUM FRAME STOREFRONT SYSTEM WITH GLASS SIDELIGHT, MATCH EXISTING.				6. SEE SHEET A1.5 FOR FINISH SCHEDULE.			DUPLEX OUTLET
⑦ RELOCATED EXISTING PHONE.				7. PROTECT CARPET DURING CONSTRUCTION AND REPLACE AS NEEDED.			
⑧ NEW 4'X5' POLYVISION E3 ENVIRONMENTAL CERAMICSTEEL SURFACE				8. FURNITURE SHOWN FOR REFERENCE ONLY.			
⑨ NEW 4'X6' POLYVISION E3 ENVIRONMENTAL CERAMICSTEEL SURFACE				9. RECONFIGURE FIRE ALARM TO MEET REQUIRED CODES.			

DOOR					FRAME TYPE		FIRE RATING (11)	HARDWARE		NOTES
DOOR NUMBER	TYPE (1)	SIZE (2)	MATERIAL (4)	FINISH (6)	MATERIAL (8)	FINISH (10)		SET NO.	ELECTRICAL	
424	C	MATCH EXISTING	GLASS/ALUM.	CLEAR	ALUM.	FF	NR	4		MATCH EXISTING DOORS
425	C	MATCH EXISTING	GLASS/ALUM.	CLEAR	ALUM.	FF	NR	4		MATCH EXISTING DOORS
445	A	3'-0" x 7'-0"	EXISTING	(E)	(E)	(E)	NR	(E)		EXISTING
446	A	3'-0" x 7'-0"	WD	CLEAR	AL	FF	NR	1		MATCH EXISTING DOORS
447	A	3'-0" x 7'-0"	WD	CLEAR	AL	FF	NR	1		MATCH EXISTING DOORS
448	A	3'-0" x 7'-0"	HM	CLEAR	HM	PTD.	NR	3		STC-48 DOOR AND FRAME
449a	A	3'-0" x 7'-0"	WD	CLEAR	AL	FF	NR	1		MATCH EXISTING DOORS
449	A	3'-0" x 7'-0"	WD	CLEAR	AL	FF	NR	1		MATCH EXISTING DOORS

1. TYPE: SEE ELEVATIONS FOR DOOR TYPES.
2. SIZE: ALL DOORS TO BE 1-3/4" THICK WITH 3/8 UNDERCUT U.O.N.
4. MATERIAL: WD = SOLID CORE WOOD DOOR
8. FRAME MATERIAL: AL = ALUMINUM TO MATCH EXISTING
10. FRAME FINISH: FF = FACTORY FINISH CLEAR TO MATCH EXISTING
11. NR = NONE REQUIRED.

1. WOOD DOOR HARDWARE  
LATCHSET  
HINGES  
DOOR STOP  
CLASSROOM LOCKSET
2. NOT USED.
3. ACOUSTIC DOOR HARDWARE  
ZERO DECREMENTAL SOUND TRAP 49 STC SEALING SYSTEM  
119W DOOR SEAL  
870 HEAD AND JAM SEAL  
ZBB961 HINGES (2 PAIRS)  
SADDLE 564, 565, OR 566  
THRESHOLD  
CLASSROOM LOCKSET
4. ALUMINUM DOOR  
LATCH SET  
HINGES  
DOORSTOP  
PASSAGE LOCKSET



4



2



1

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San Francisco, CA

Seal:

## A2.4

	EXISTING INTERIOR & EXTERIOR WALL		<u>ARMSTRONG CEILING SYSTEM</u>
	NEW FULL HEIGHT INTERIOR WALL		24"x 24" SQUARE TEGULAR TILES
	WALL TO BE REMOVED		
	DATA PORT		NEW 2'x4' LIGHT COOPER LIGHTING 130513-24EN-2X4-LED WITH DIMMING CONTROLS.
	SURFACE-MOUNTED QUAD OUTLET		
	CEILING SURFACE-MOUNTED POWER AND DATA		REUSED EXISTING BUILDING STANDARD LIGHT
			TEMPERED GLASS

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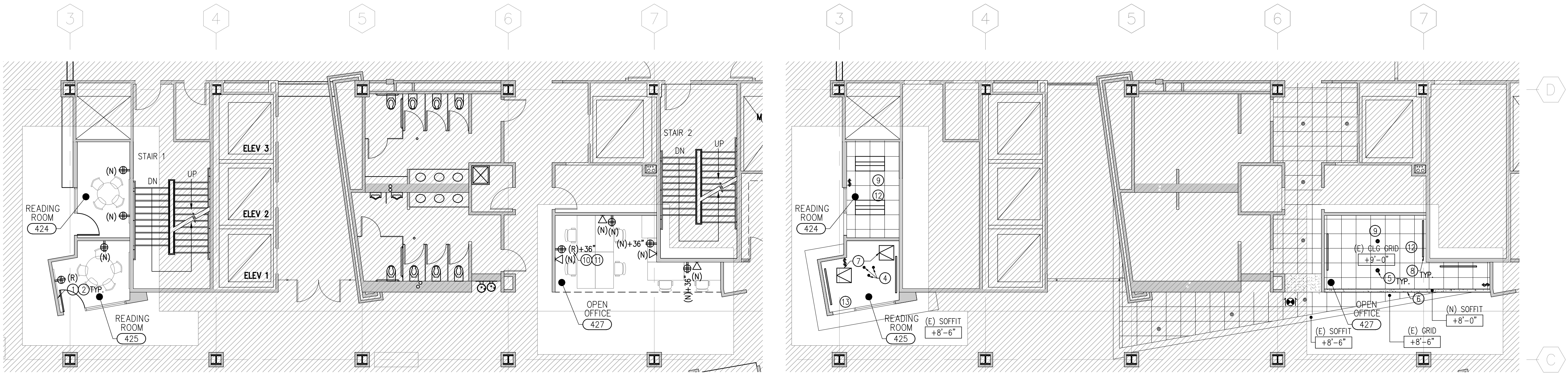
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POWER SIGNAL PLAN

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

REFLECTED CEILING PLAN

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

PLAN KEYNOTES		GENERAL NOTES	LEGEND	
① REMOVE EXISTING DATA PORTS AND PATCH WALLS, TYP.	⑪ CONVERT DUPLEX TO QUAD.	1. PATCH EXISTING WALLS WHERE CONSTRUCTION REMOVED, AS NEEDED.		EXISTING INTERIOR & EXTERIOR WALL
② RELOCATE EXISTING POWER TO 18" AFF.	⑫ EXISTING HVAC AND REGISTERS TO REMAIN.	2. REMOVE AND SAVE EXISTING LIGHTS, CEILING TILES, REGISTERS, FIRE ALARM DEVICES FOR REUSE. RETURN UNUSED MATERIALS TO OWNER.		NEW FULL HEIGHT INTERIOR WALL
③ --	⑬ REUSE EXISTING HVAC AND REGISTERS IN NEW CEILINGS WITH FLEX DUCTS TO NEW GRILLS. DISTRIBUTE UNIFORMLY.	3. LOCATE POWER AND DATA AT 18" AFF. UNLESS OTHERWISE INDICATED.		WALL TO BE REMOVED
④ RELOCATED DOWNLIGHT.		4. PROVIDE BACKING AS REQUIRED.		DATA PORT
⑤ NEW DOWNLIGHT TO MATCH EXISTING IN ADJACENT ACT SOFFIT.		5. NEW WALLS TO BE TYPE A U.O.N.		QUAD OUTLET
⑥ NEW GYPSUM BOARD SOFFIT, SEE 3/A7.0. PAINT P=3, SEE FINISH SCHEDULE 3/A1.5.		6. PAINT WALLS TO MATCH EXISTING UNLESS OTHERWISE NOTED. SEE FINISH SCHEDULE.		DUPLEX OUTLET
⑦ EXISTING ACCESS PANEL TO REMAIN.		7. SEE SHEET A6.0 AND A7.0 FOR CEILING DETAILS.		ARMSTRONG CEILING SYSTEM
⑧ NEW 62" ARTIMIDE 2 SQUARE SUSPENSION SYSTEM INDIRECT FLOURESCENT LIGHT. LOCATE 4" FROM ADJACENT WALL AND 8' AFF TO BOTTOM OF FIXTURE.		8. SEE SHEET A7.0 FOR WALL PARTITION TYPES.		2'X4' LIGHT COOPER LIGHTING 130513-24EN-2X4-LED WITH DIMMING CONTROLS
⑨ EXISTING CEILING GRID TO REMAIN. REPLACE TILES WHERE NECESSARY.		9. PROTECT CARPET DURING CONSTRUCTION AND REPLACE AS NEEDED.		
⑩ RELOCATE EXISTING POWER TO 40" AFF.		10. PARTITIONS DIMENSIONED TO FINISH FACE U.O.N.		
		11. NEW LIGHTS TO BE INTEGRATED WITH BUILDING GE LIGHTING CONTROLLER AND MOTION SENSORS.		
		12. RECONFIGURE FIRE ALARM TO MEET REQUIRED CODES.		

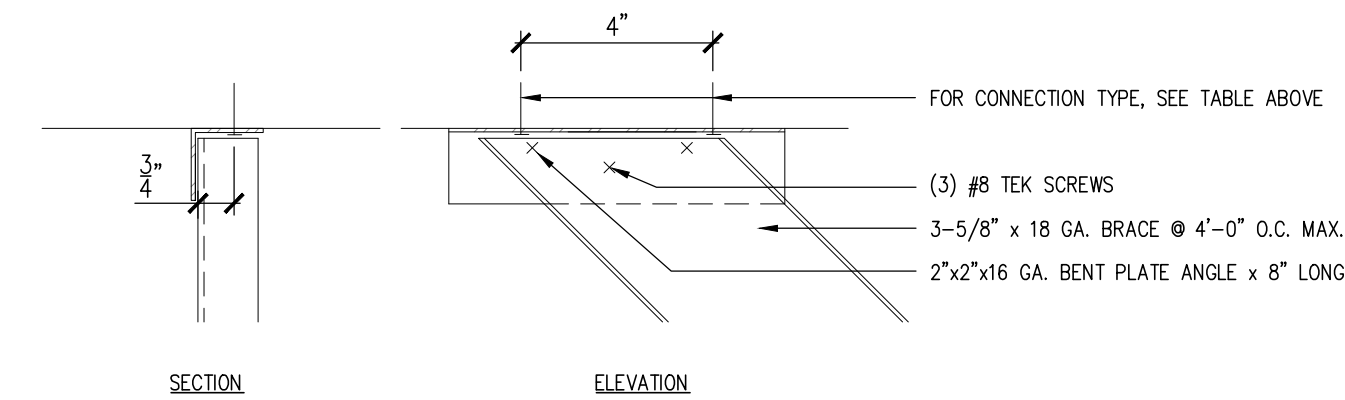
Scale: **AS NOTED**

Drawing Description:  
**4th FLOOR STUDY ROOMS  
IN 200 McALLISTER**

Date:  
Drawn By: -- Checked By: --  
Sheet Number:

- #12 GAGE (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.
- PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" OF THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED VERTICAL AND HORIZONTAL FORCES MAY BE USED IN LIEU OF THE #12 GAGE HANGER WIRES.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.
- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4" CLEAR OF WALL.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR #12 GAGE SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING: 1.) FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 12'-0" X 12'-0" ON CENTER; 2.) FOR ESSENTIAL SERVICES BUILDINGS, PLACE BRACING ASSEMBLIES NOT MORE THAN 8'-0" X 12'-0" ON CENTER; 3.) PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE AFOREMENTIONED SPACINGS, FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT. SPLICES IN BRACING WIRES ARE NOT TO BE PERMITTED. 4.) SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, AND FIRE RATED SUSPENDED ACOUSTICAL CEILINGS SYSTEMS WITH A CEILING AREA OF 96 SQUARE FEET OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO ADJACENT WALLS.
- FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2". HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE. NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-1/2" REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.
- SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
- ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS, TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS, WEIGHING LESS THAN 56 LBS., MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4'-0" X 4'-0" LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.
- ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING 56 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 WIRES, EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
- ALL FIXTURES AND AIR TERMINALS SUPPORTED ON HEAVY DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES EACH ATTACHED TO THE FIXTURE OR TERMINAL, AND TO THE STRUCTURE ABOVE.
- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A #12 GAGE WIRE. SPRINGS CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8'-0" OR LONGER.
- SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCES.
- T-BAR IN ALL LOCATIONS TO BE HEAVY DUTY SYSTEM.

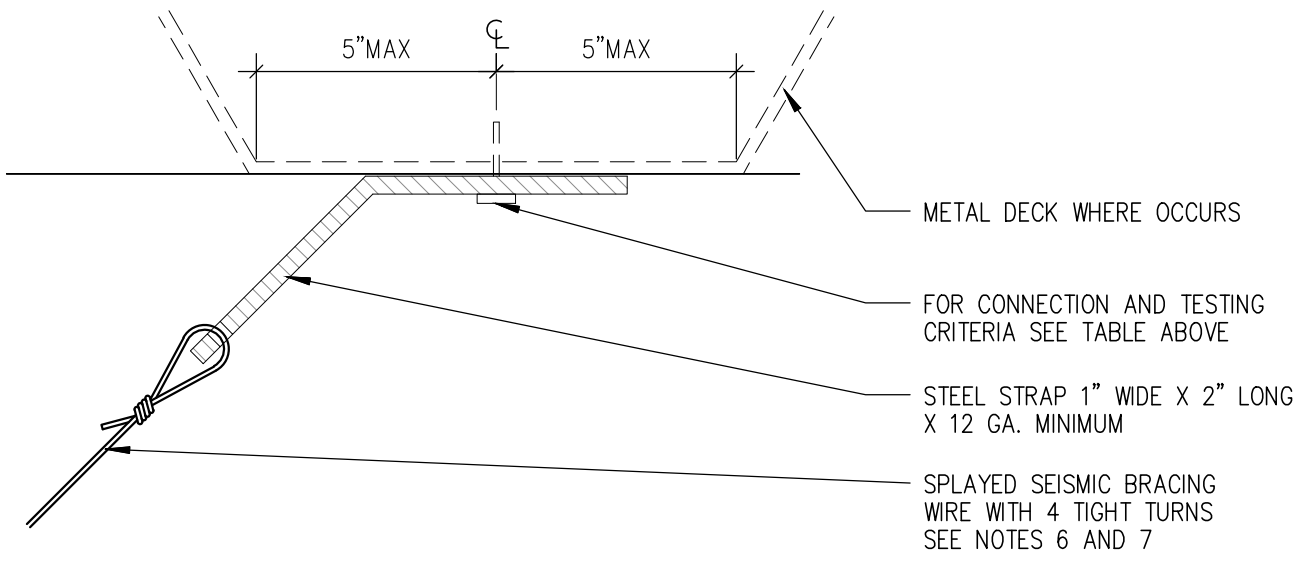
FASTENING BASE MATERIAL	TYPE OF FASTENER	MIN. EMBEDMENT
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – NORMAL WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	2"
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – LIGHT WEIGHT – 3000 psi MIN.		
CONCRETE SLAB/BEAM – NORMAL WEIGHT – 3000 psi MIN.		



## ANGLE BRACING TO STRUCTURE

Scale: 3" = 1'- 0"

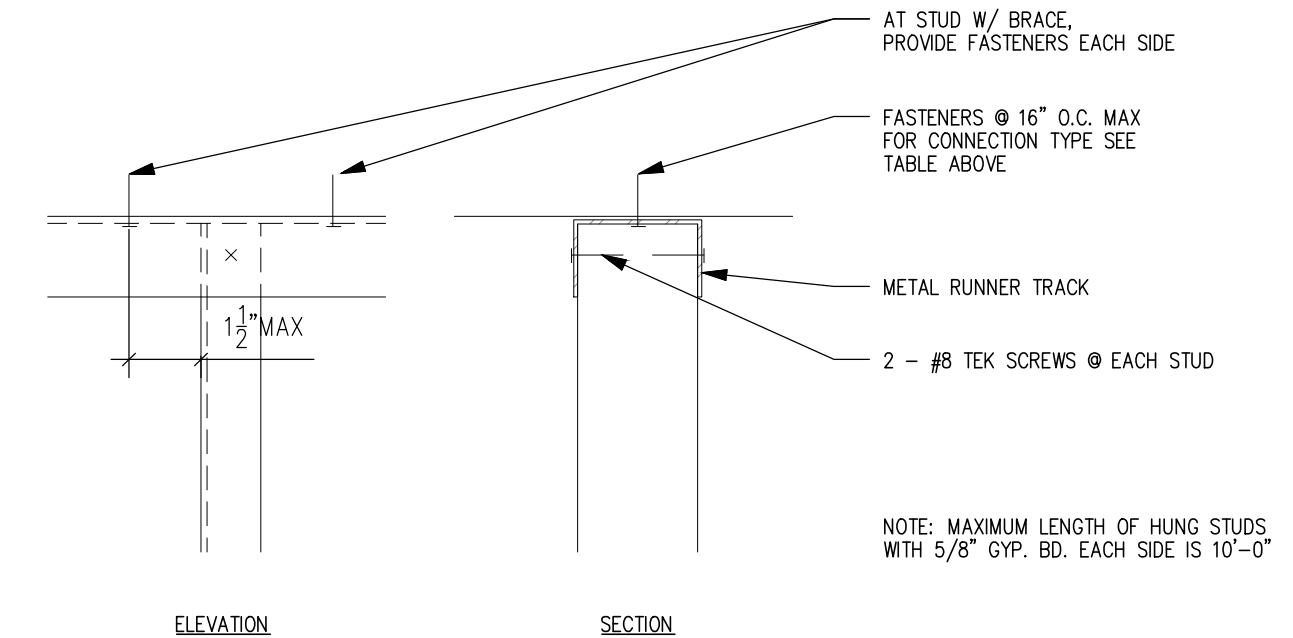
FASTENING BASE MATERIAL	TYPE OF FASTENER	MIN. EMBEDMENT
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – NORMAL WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	1 – 1/8"
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – LIGHT WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	2"
CONCRETE SLAB/BEAM – NORMAL WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	1 – 1/8"
STEEL BEAM	HILTI X-AL-H27 P8	THROUGH STEEL OR 1/2" MIN.



## ANGLED WIRE SUPPORT FOR CEILING SYSTEMS

Scale: 3" = 1'- 0"

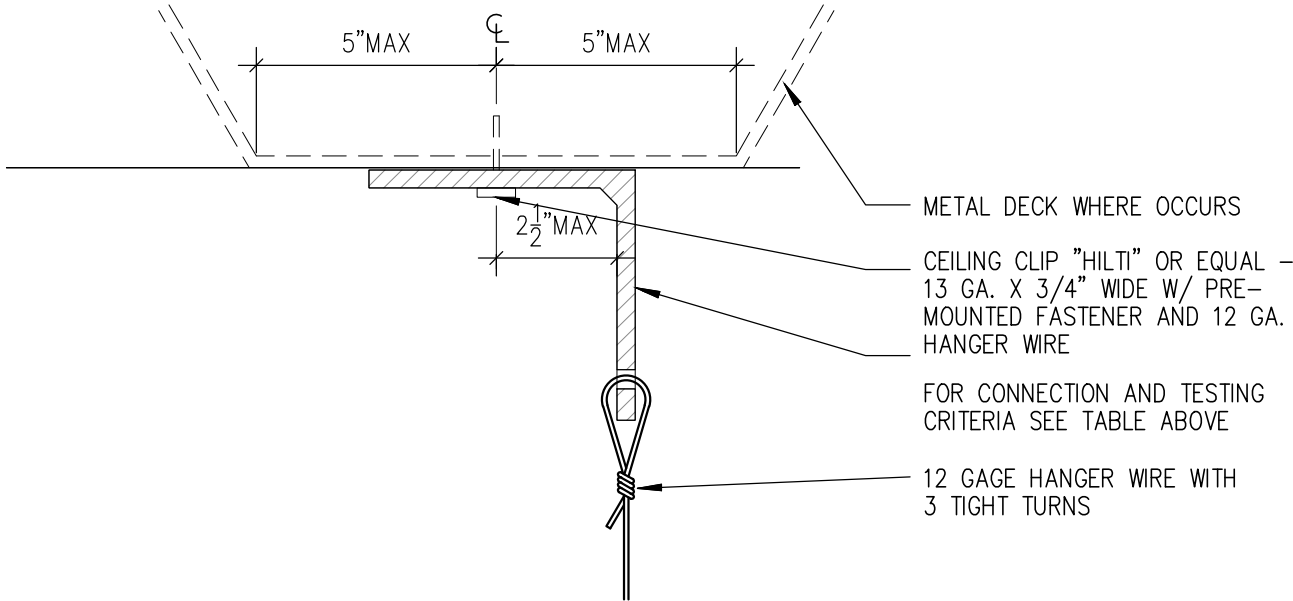
FASTENING BASE MATERIAL	TYPE OF FASTENER	MIN. EMBEDMENT
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – NORMAL WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	1 – 1/8"
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – LIGHT WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	1 – 1/8"
CONCRETE SLAB/BEAM – NORMAL WEIGHT – 3000 psi MIN.	1/4" Ø HILTI KWIK BOLT II	1 – 1/8"



## STUD CONNECTION TO STRUCTURE

Scale: 3" = 1'- 0"

FASTENING BASE MATERIAL	TYPE OF FASTENER	MIN. EMBEDMENT
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – NORMAL WEIGHT – 3000 psi MIN.	HILTI CC 27DNI 27 P8T	1"
20 GAGE MIN. METAL DECK WITH CONCRETE FILL – LIGHT WEIGHT – 3000 psi MIN.	HILTI CC 27DNI 32 B8T	1-1/4"
CONCRETE SLAB/BEAM – NORMAL WEIGHT – 3000 psi MIN.	HILTI CC 27DNI 27 P8T	1"
STEEL BEAM – FLANGE GREATER THAN OR EQUAL TO 3/4" THICK	HILTI X-AL-H27 P8	1/2" MIN.
STEEL BEAM – FLANGE BETWEEN 3/8" AND 9/16" THICK	HILTI X-AL-H22 P8	THROUGH STEEL

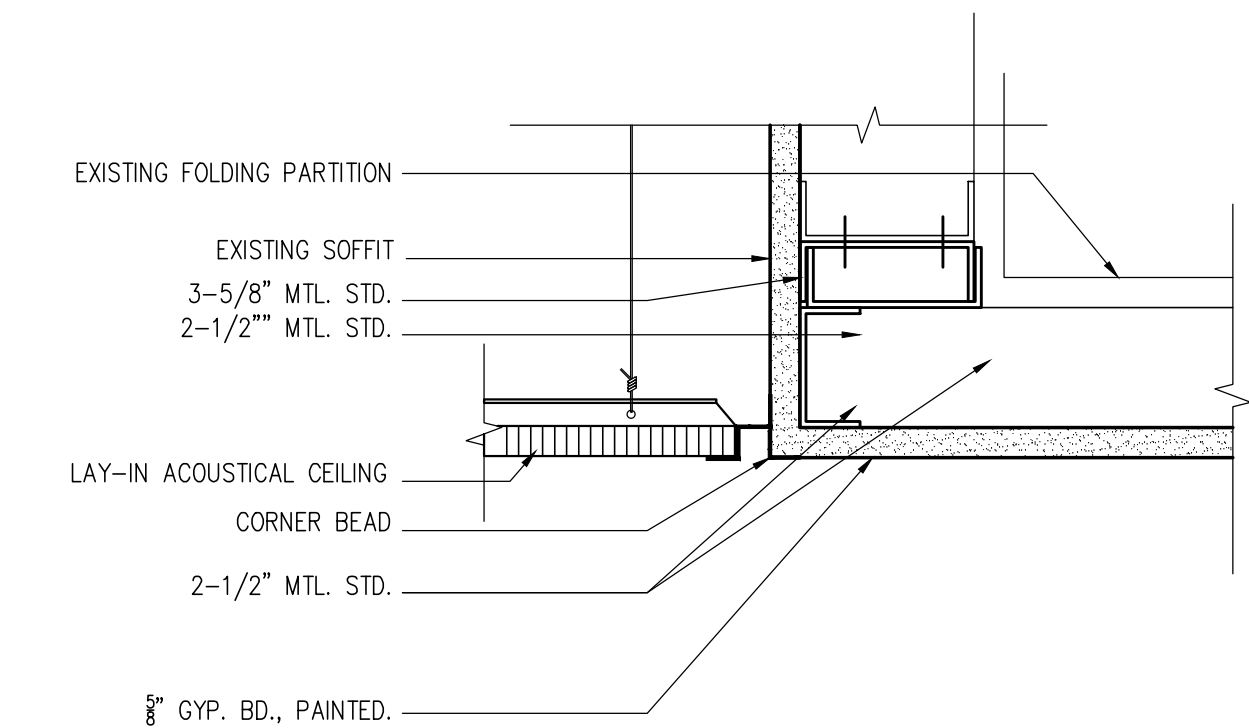


## VERTICAL WIRE SUPPORT FOR CEILING SYSTEMS

Scale: 3" = 1'- 0"

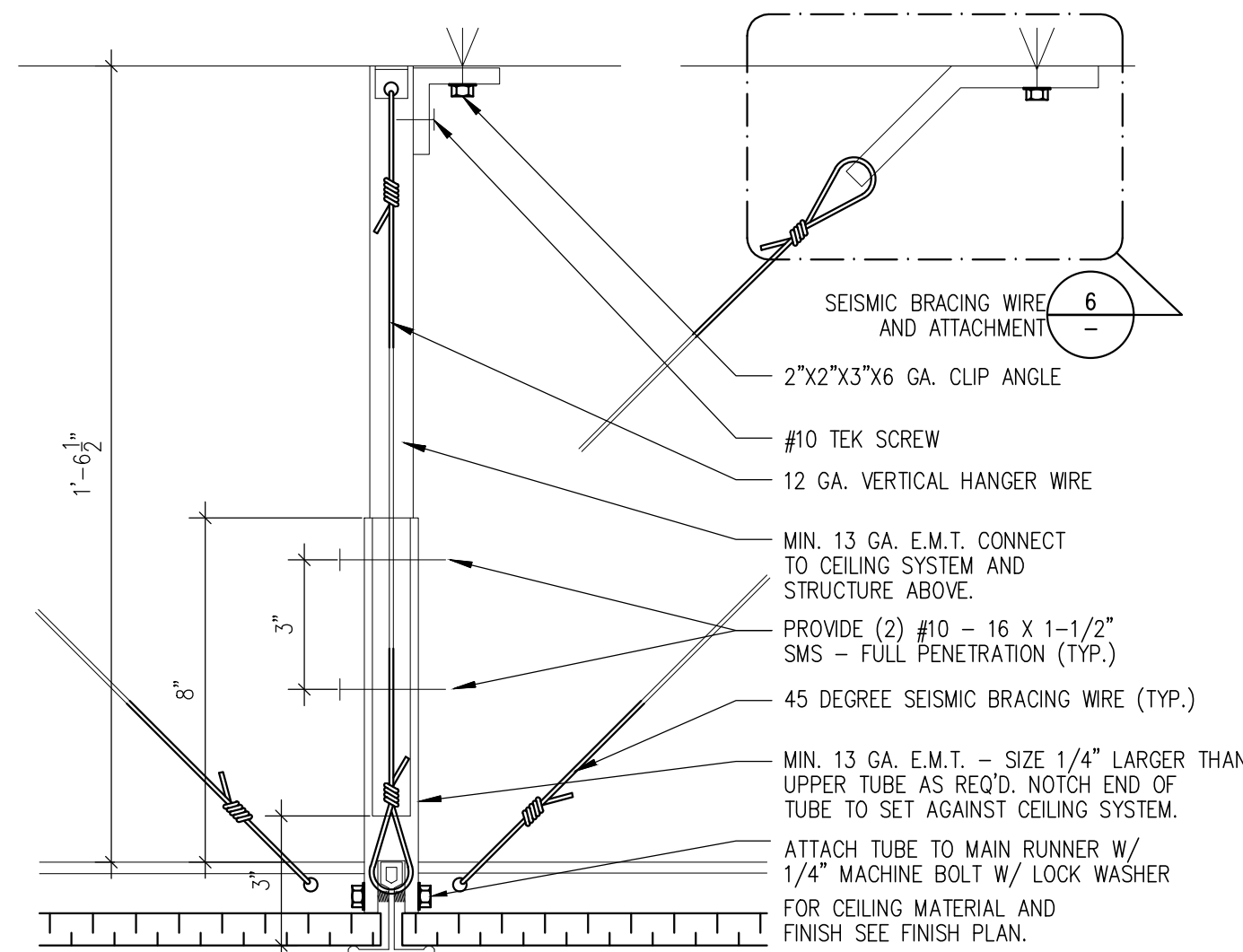
## GYPSUM BOARD/ LAY-IN CEILING TRANSITION

Scale: 3" = 1'-0"



## FOLDING WALL PARTITION SOFFIT

Scale: 3" = 1'-0"

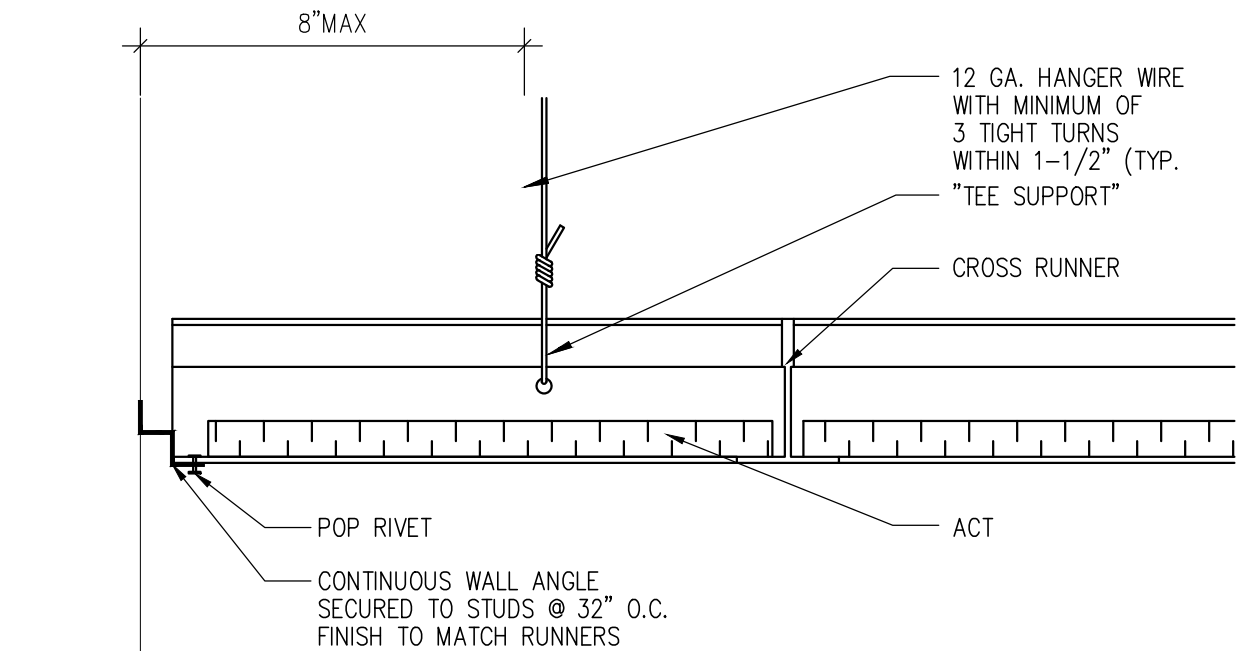


## TYPICAL LAY-IN CEILING E.M.T. SUPPORT

Scale: 3" = 1'- 0"

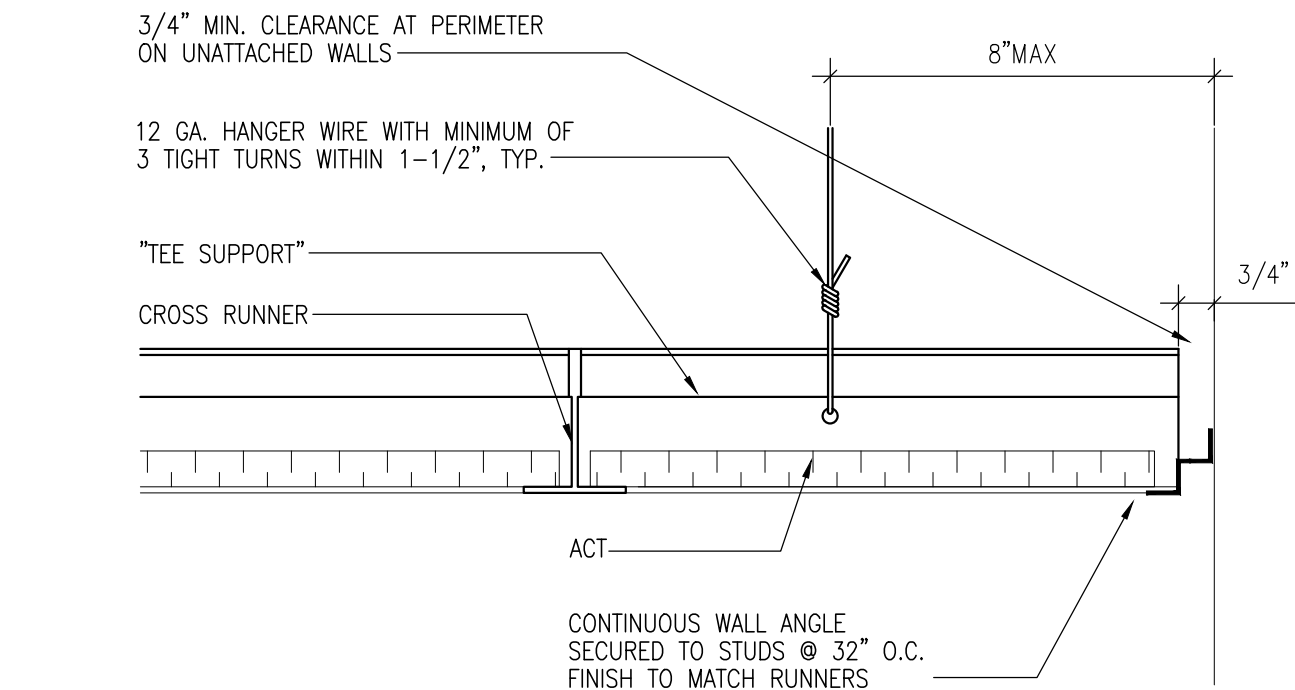
## TYPICAL CEILING FIXTURE INSTALLATION

Scale: NTS



## TYPICAL LAY-IN CEILING @ ATTACHED END

Scale: 3" = 1'- 0"



## TYPICAL LAY-IN CEILING @ UNATTACHED END

Scale: 3" = 1'- 0"

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Project:

Media Services Relocation  
200 McAllister Street  
San Francisco, CA

Project Number:

491-142



Clients:

UC Hastings College of Law  
200 McAllister Street  
San Francisco, CA

Rev.	Issue	Date
BID SET		1.9.14

Seal:

Scale: **AS NOTED**

Drawing Description:

**CEILING  
DETAILS**

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Checked By: --

Sheet Number:

# A6.0

