

SOUTH TEXAS COLLEGE PECAN CAMPUS - INFORMATION TECHNOLOGY BUILDING M OFFICE AND WORKSPACE RENOVATION- McAllen, Texas

STC PROJECT # 19-20-1010 CONSTRUCTION DOCUMENTS PACKAGE

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COVER SHEET
PROJECT NAME: PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER: SOUTH TEXAS COLLEGE
PROJECT ADDRESS: 3200 W PECAN BOULEVARD, MCALLEN, TEXAS

ISSUE DATE:
AUGUST 08, 2019

PROJECT NO:
1904
REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

SHEET NUMBER:
COVER

PLOT STAMP 8/14/2019 9:57:42 AM

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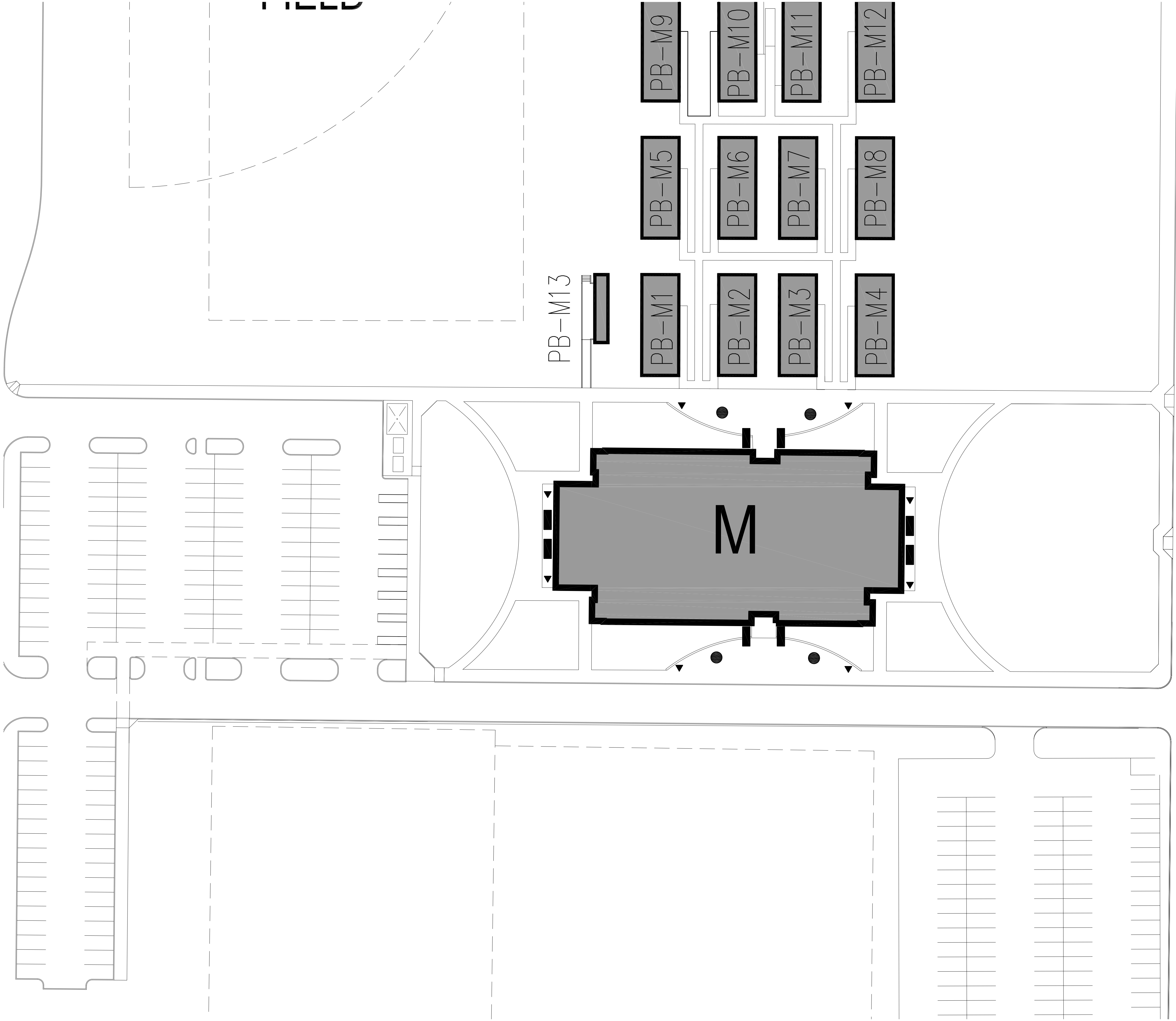
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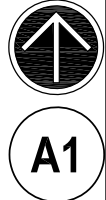


PLAN NORTH





EXISTING SITE PLAN
SCALE: 1" = 30'-0"



A1

ISSUE DATE
AUGUST 08, 2019

PROJECT NO	1904
REVISIONS	
1	
2	
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9	
10	

SHEET NUMBER

A1.00

SHEET TITLE
SITE PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, McALLEN, TEXAS



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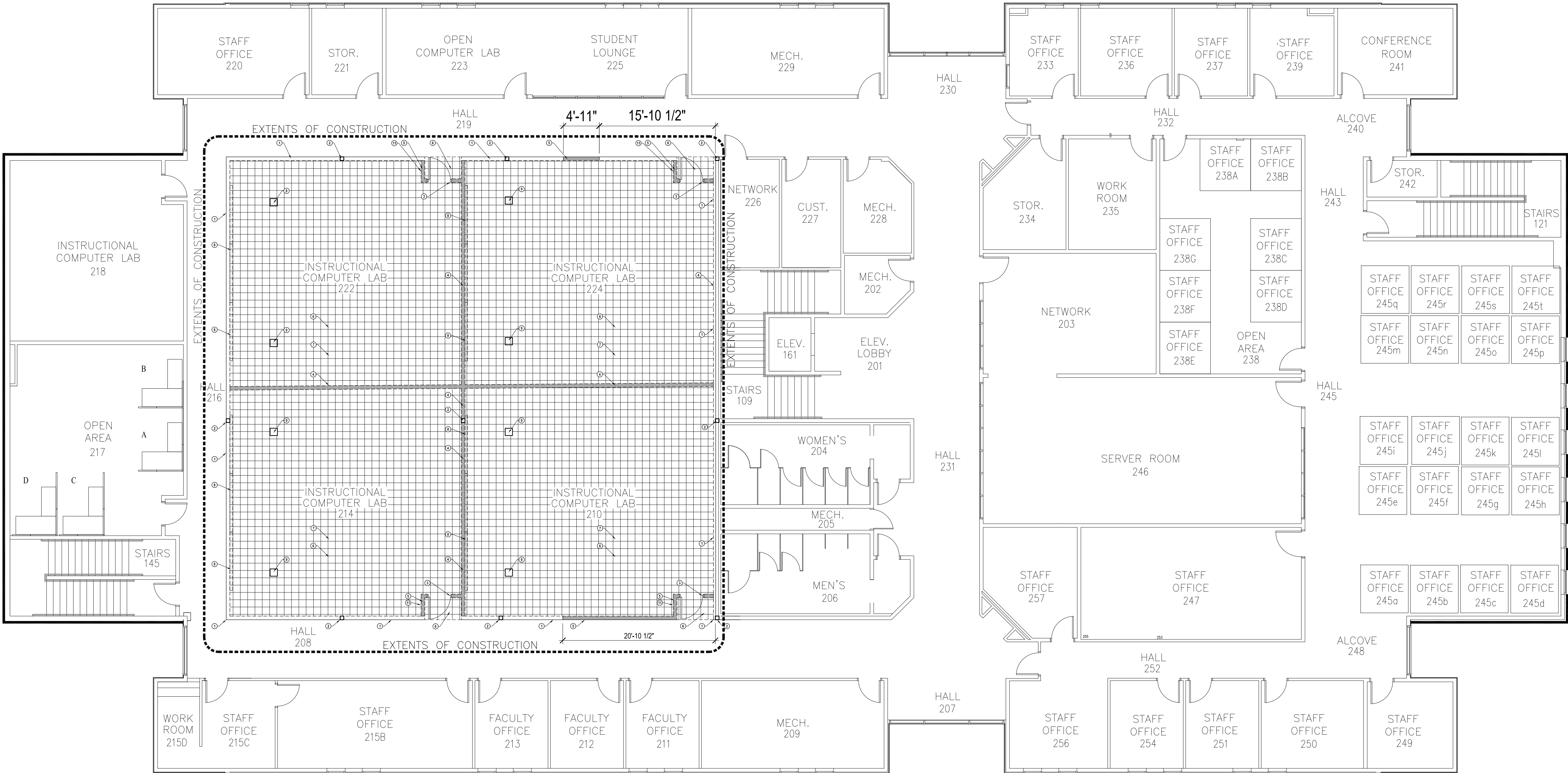
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B

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DEMOLITION GENERAL NOTES

- A** DURING CONSTRUCTION, ALL OPENINGS FROM EXISTING MAIN CORRIDORS TO PROPOSED NEW CONSTRUCTION AREA SHALL BE DIVIDED BY DUST CURTAINS UNTIL THE PROJECT IS COMPLETE.
- B** GC AND SUBS SHALL NOT OBSTRUCT ADJACENT CORRIDORS WITHOUT THE CONSENT OF STC.
- C** ALL FIRE SPRINKLER REMEDIAL WORK SHALL BE PERFORMED BY A FIRM LICENSED TO DESIGN AND INSTALL SPRINKLERS IN THE STATE OF TEXAS.
- D** PRIOR TO DEMOLITION, GC AND SUBS SHALL COORDINATE WITH STC AN ACCEPTABLE STAGING AREA AND ROUTE OF ACCESS FOR REMOVING TRASH, CONSTRUCTION DEBRIS, ETC.
- E** ALL REQUIRED UTILITY WORK (ELECTRICAL, MECHANICAL, OR PLUMBING) TO BE PERFORMED IN/ON THE SECOND FLOOR SHALL BE ACCESSED FROM THE ABOVE CEILING FIRST FLOOR INTERSTITIAL SPACE. TIMES AND DATES OF ACCESS SHALL BE COORDINATED WITH STC.
- F**

DEMOLITION KEYED NOTES

- KEYED NOTES APPLY TO THIS SHEET ONLY
- 1** EX. STUDS AND CORRIDOR SIDE GYP BD TO REMAIN. REMOVE INTERIOR FACE OF GYP BD. (PROPOSED WORK SIDE) RUN PERIMETER STUD WALL TO DECK. INSULATE ENTIRE PERIMETER WALL. INSTALL NEW GYP BD ON INTERIOR FACE OF PERIMETER WALL. TAPE, FLOAT, TEXTURE AND PAINT.
 - 2** EXISTING STEEL COLUMN TO REMAIN.
 - 3** ALL ASSOCIATED DOOR HARDWARE SHALL BE SALVAGED AND RETURNED TO STC.
 - 4** EXISTING NON-LOAD BEARING INTERIOR PARTITIONS TO BE REMOVED. GC SHALL CUT AND CAP ALL POWER, DATA, HORN STROBES, WALL CLOCKS, OTHER MISCELLANEOUS UTILITIES WITHIN WALLS AS PER LATEST CODES.
 - 5** EXISTING PERIMETER STUD WALL AND GYP BD TO BE REMOVED.
 - 6** EXISTING VCT FLOORING TO BE REMOVED. ANY AND ALL FLOOR POWER DEVICES SHALL BE REMOVED AND THE HOLE FILLED WITH NEW NON-SHRINK CONCRETE.
 - 7** EXISTING CEILING GRID, CEILING TILE, LIGHTING, SPRINKLER HEADS, CEILING MOUNTED OCCUPANCY SENSORS, PROJECTION SCREENS, AND ALL CEILING MOUNTED UTILITIES TO BE REMOVED.
 - 8** EXISTING WALL MOUNTED MARKER BOARDS TO BE SALVAGED AND RETURNED TO STC.
 - 9** EXISTING ELECTRICAL FLOOR BOX LOCATION TO BE REMOVED U.N.O.

DEMOLITION GENERAL NOTES

D2

DEMOLITION KEYED NOTES

D1

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DEMOLITION FLOOR PLAN

PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, McALLEN, TEXAS

ISSUE DATE
AUGUST 08, 2019

PROJECT NO
1904

REVISIONS

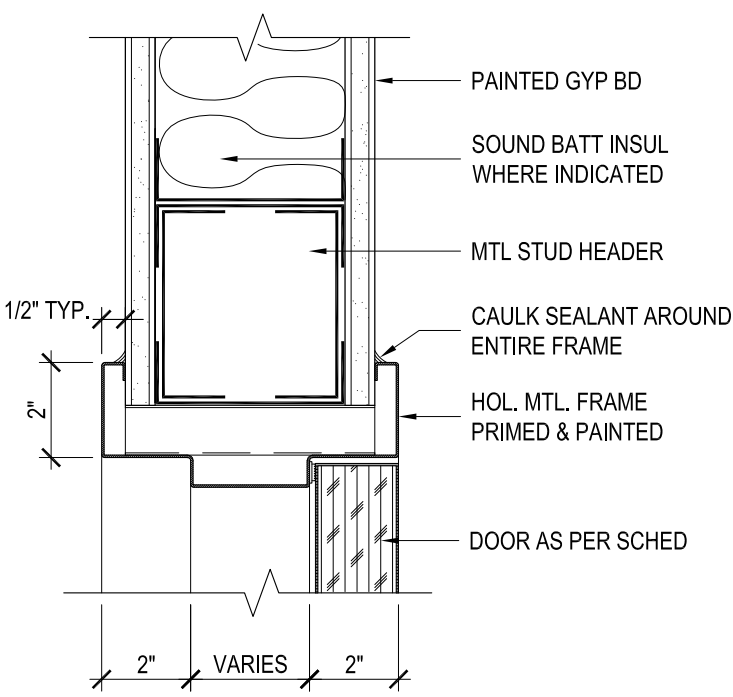
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D2.00

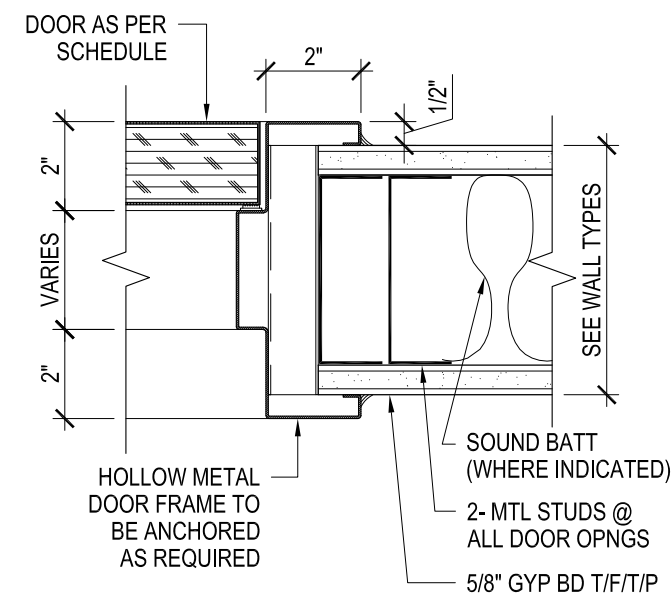
DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"



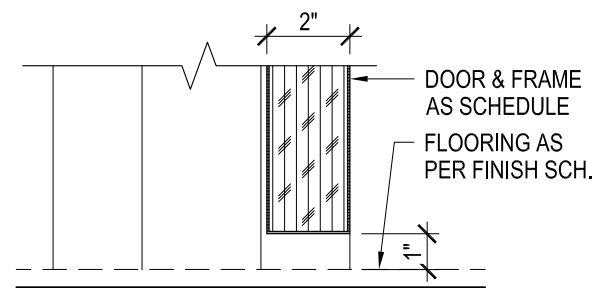
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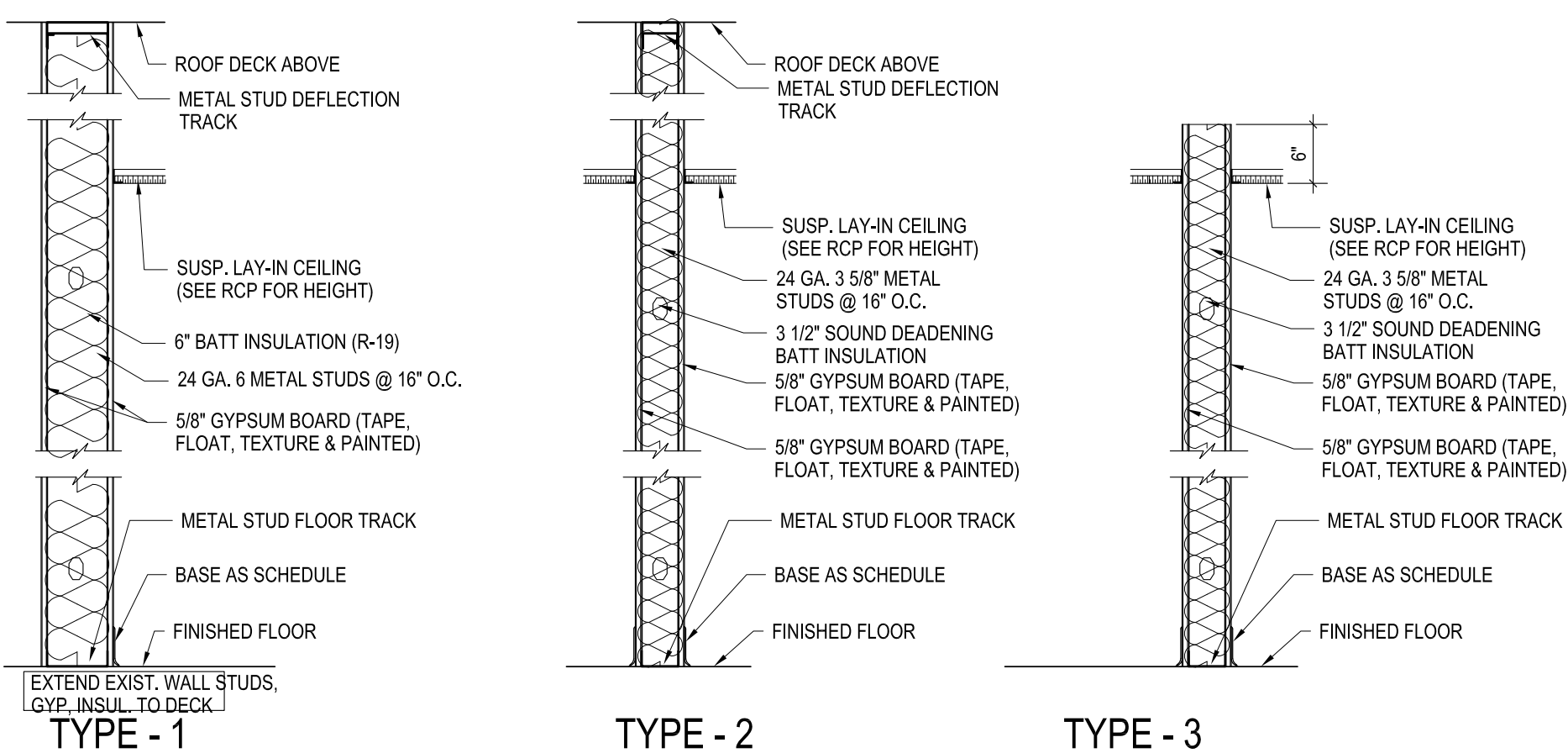
WOOD DOOR HEADER DETAIL (D5)
SCALE: NTS



WOOD DOOR JAMB DETAIL (C5)
SCALE: NTS



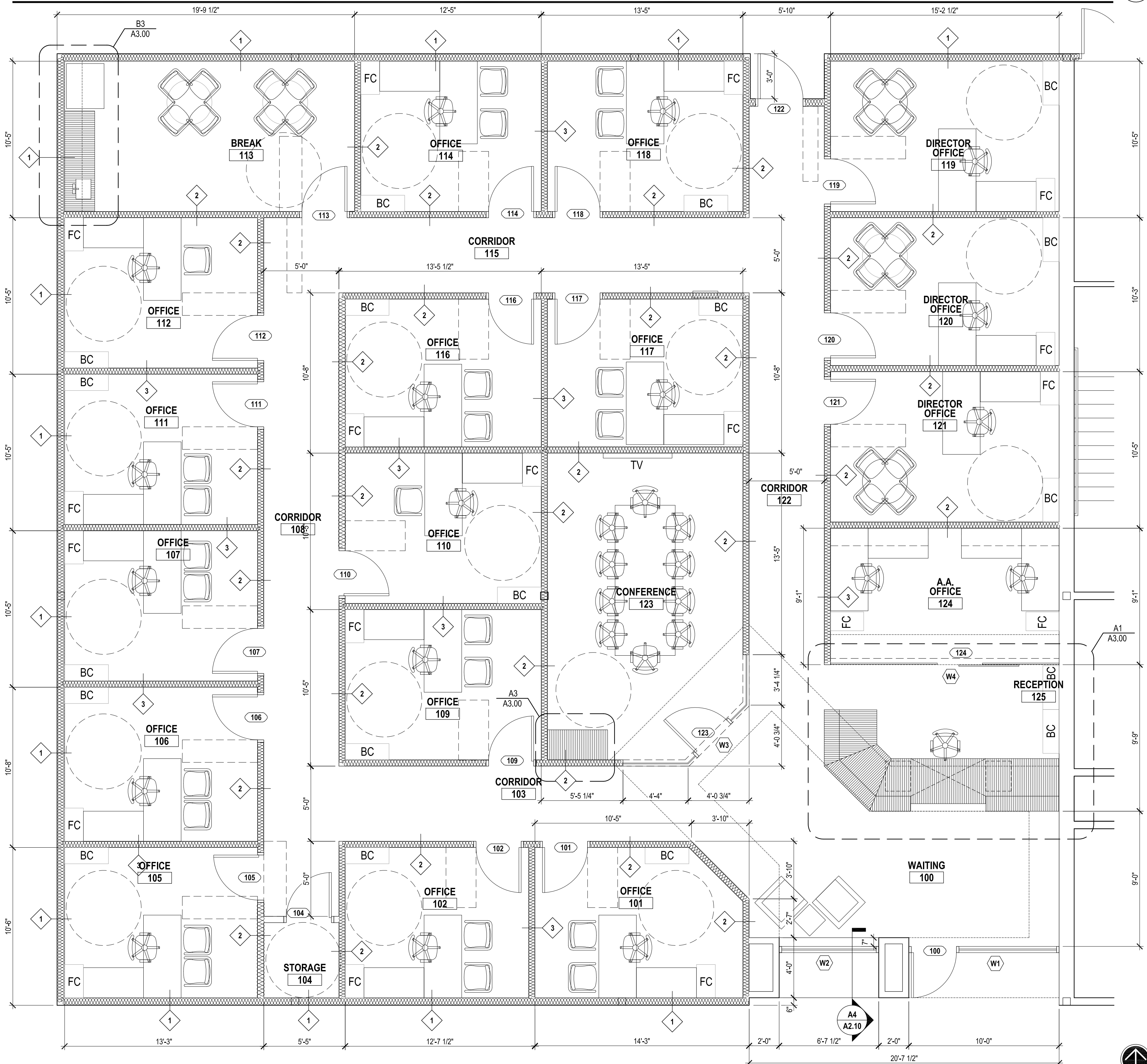
WOOD DOOR SILL DETAIL (B5)
SCALE: NTS



WALL TYPES (A4)
SCALE: NTS

GENERAL NOTES	
A	ALL FRAMING DIMENSIONS ARE ROUGH FRAMING DIMENSIONS UNLESS OTHERWISE NOTED
B	T/I/T/P = ALL INTERIOR GYP BD WITHIN THE SCOPE LIMITS TO BE TAPED, FLOATED, TEXTURED AND PAINTED UNLESS OTHERWISE NOTED AS PER ROOM FINISH SCHEDULES
C	ALL OUTWARD FACING GYP BD CORNERS AND EDGES SHALL CONTAIN A 1-1/2\"/>
D	OWNER PROVIDED FURNITURE SHOWN FOR GENERAL LAYOUT CONCEPT PURPOSES ONLY.
E	PROVIDE SOUND BATT INSULATION AT ALL PARTITIONS BETWEEN OFFICES & CONFERENCE ROOMS. SOUND BATT INSULATION TO GO TO DECK IF PARTITION TYPE GOES TO DECK.
F	ALL DRYWALL PARTITIONS TO DECK SHALL HAVE A DEFLECTION TRACK SLIP CONNECTION FOR DEFLECTION-OR DEFLECTION CLIPS.
G	ALL EXISTING GYP. BD. WALLS WITHIN THE SCOPE OF WORK SHALL BE REPAINTED AS PART OF THIS CONSTRUCTION PROJECT.
H	CIRCULAR TABLES, STOOL AND CHAIRS ARE NOT PART OF THIS CONTRACT AND SHALL BE PROVIDED BY THE OWNER. THEY ARE SHOWN ON THIS PLAN FOR CLARITY OF DESIGN CONCEPT.
J	ALL WALLS SHOWN ON THE PLAN WITH SOUND BATT INSULATION SHALL BE RUN TO DECK ABOVE FOR ACOUSTICAL PURPOSES.
H	ALL FURNITURE SHOWN ON PLANS SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

GENERAL NOTES (D4)
SCALE: NTS



PROPOSED FLOOR PLAN (A1)
SCALE: 1/4\"/>

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PROPOSED FLOOR PLAN
PROJECT NAME: PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER: SOUTH TEXAS COLLEGE
PROJECT ADDRESS: 3200 W PECAN BOULEVARD, McALLEN, TEXAS

ISSUE DATE: AUGUST 08, 2019

PROJECT NO:	1904
REVISIONS:	

SHEET NUMBER: **A2.00**

DOOR SCHEDULE															
DR NO	ROOM NAME	DOOR						FRAME				HWDR SET	NOTES	RM NO	
		TYPE	LEAF	WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	WIDTH	HEIGHT	MATERIAL				FINISH
100	WAITING	B	SINGLE	3'-0"	7'-10"	ALUM.	CLEAR ANOD.	1	3'-4"	8'-0"	ALUM.	CLEAR ANOD.	*		100
101	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		101
102	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		102
104	STORAGE	C	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*	NO LITE KIT	104
105	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		105
106	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		106
107	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		107
108	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		108
109	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		109
110	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		110
111	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		111
112	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		112
113	BREAK ROOM	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		113
114	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		114
116	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		116
117	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		117
118	OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		118
119	DIRECTOR OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		119
120	DIRECTOR OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		120
121	DIRECTOR OFFICE	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		121
122	CORRIDOR	A	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		122
123	CONFERENCE	E	SINGLE	3'-0"	7'-11"	GLASS								HERCULITE MFG.	123
124	A.A. OFFICE	D	SINGLE	3'-0"	8'-0 1/2"	GLASS								HERCULITE MFG.	124

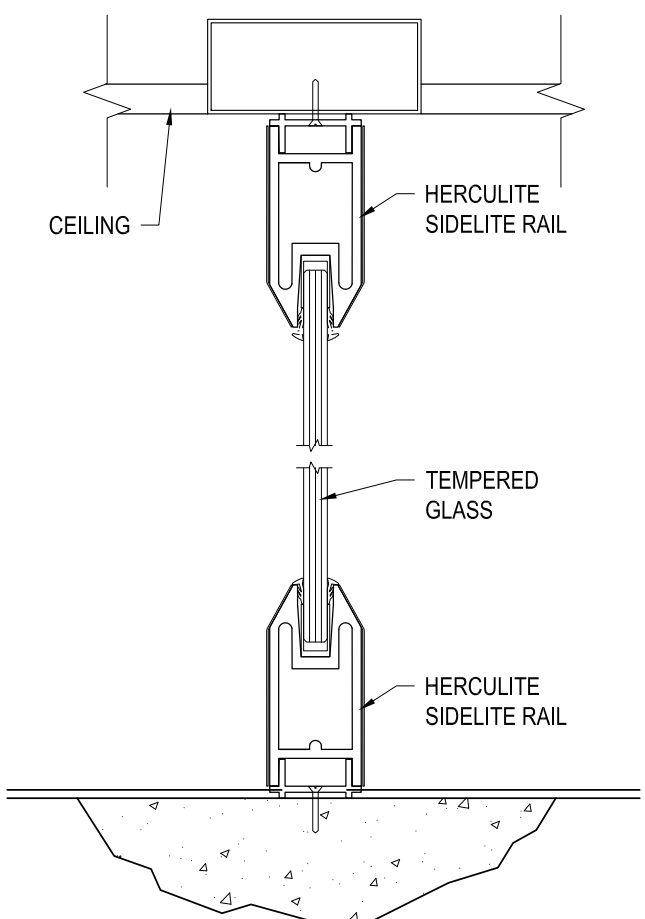
NOTE: * SEE HARDWARE PROVIDER IN SPEC MANUAL

DOOR SCHEDULE
SCALE: NO SCALE

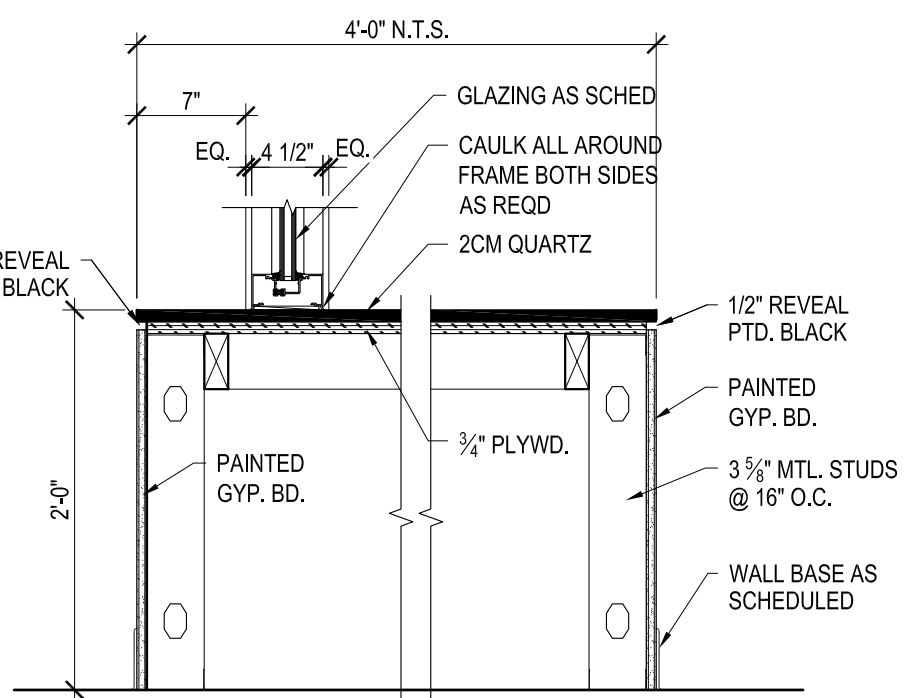
ROOM FINISH SCHEDULE									
RM NO	ROOM NAME	FLOOR	BASE	WALLS				NOTES	RM NO
				NORTH	EAST	SOUTH	WEST		
100	WAITING	CPT-1	B-1	---	AW-2	---	---		100
101	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		101
102	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		102
103	CORRIDOR	CPT-1	B-1	PT-1	PT-1	---	---		103
104	STORAGE	CPT-1	B-1	PT-1	PT-1	PT-1	PT-1		104
105	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		105
106	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		106
107	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		107
108	CORRIDOR	CPT-1	B-1	---	PT-1	---	PT-1		108
109	OFFICE	CPT-1	B-1	AW-2	PT-1	PT-1	PT-1		109
110	OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		110
111	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		111
112	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		112
113	BREAK ROOM	LVT-1	B-1	AW-2	PT-1	PT-1	PT-1		113
114	OFFICE	CPT-1	B-1	AW-2	PT-1	PT-1	PT-1		114
115	CORRIDOR	CPT-1	B-1	PT-1	---	PT-1	---		115
116	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		116
117	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		117
118	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	PT-1		118
119	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		119
120	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		120
121	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		121
122	CORRIDOR	CPT-1	B-1	---	PT-1	---	PT-1		122
123	CONFERENCE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		123
124	A.A. OFFICE	CPT-1	B-1	PT-1	AW-2	---	PT-1		124
125	RECEPTION	CPT-1	B-1	---	AW-2	---	---		125

AW-1 FURRDOWN (TYPICAL) at ENTRY

ROOM FINISH SCHEDULE
SCALE: NO SCALE



HEAD AND SILL STOREFRONT DETAIL
SCALE: 3"=1'-0"



MILLWORK DETAIL
SCALE: 1"=1'-0"

FLOOR FINISH GENERAL NOTES	
1	ALL GLAZING SHALL BE TEMPERED UNLESS NOTED OTHERWISE
2	ALL HOLLOW METAL DOORS & FRAMES TO BE WELDED AND PAINTED. GRIND ALL EXPOSED WELDS; SMOOTH PRIOR TO APPLYING FINAL FINISH. COLOR TO BE SELECTED BY OWNER. CITYSCAPE - SW7067
3	ROUGH OPENING OF FRAME SHALL BE 4" MINIMUM FROM ADJACENT WALL U.N.O. AND SHALL HAVE DOOR STOPS
4	DUE TO MULTIPLE USE, SOME DETAILS ARE REVERSED AND / OR ROTATED FROM DIRECTION SHOWN ON FLOOR PLAN. THE INTENT OF THE DETAILS SHOULD BE FOLLOWED. NOTIFY ARCHITECT OF ANY QUESTIONS AFFECTING CONSTRUCTION.
5	ALL ALUMINUM DOORS AND FRAMES TO BE CLEAR ANODIZED FINISH
6	EXISTING SLAB SHALL BE PREPPED ACCORDING TO THE PROPOSED FLOORING MANUFACTURER'S RECOMMENDATIONS.
7	USE SELF LEVELING UNDERLAYMENT TO LEVEL OUT SLAB TO 1/8" PER 10'-0" MAX. WHERE REQUIRED.
8	ALL GYP BD CORNERS AND EDGES TO BE METAL EDGE BEAD.
9	PROVIDE SOUND BATT INSULATION AT ALL PARTITIONS BETWEEN RESTROOMS, OFFICES & CONFERENCE ROOMS. SOUND BATT INSULATION TO GO TO DECK IF PARTITION TYPE GOES TO DECK.
9	ALL DRYWALL PARTITIONS TO DECK SHALL HAVE A DEFLECTION TRACK SLIP CONNECTION FOR DEFLECTION-OR DEFLECTION CLIPS.

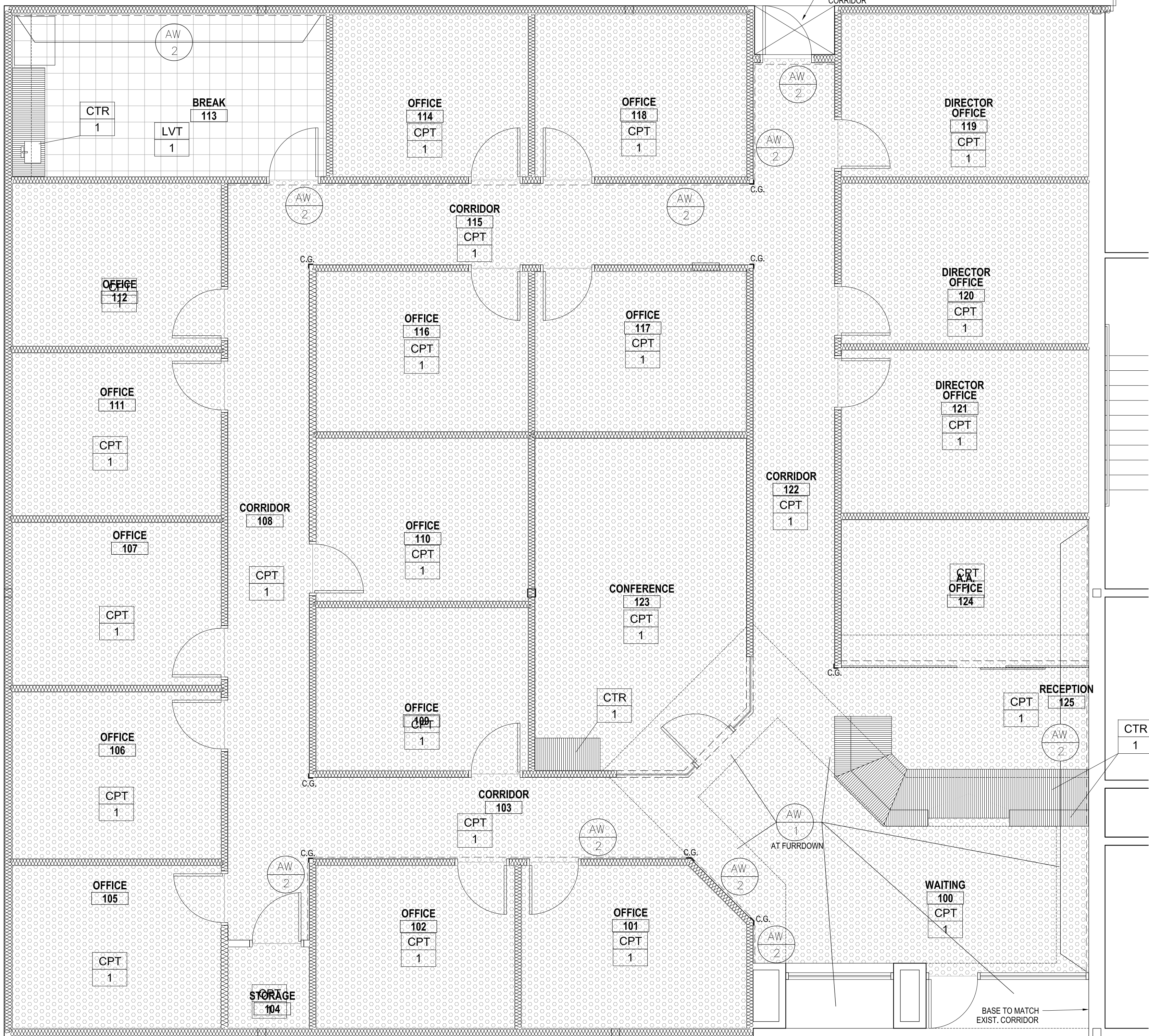
FLOOR FINISH GENERAL NOTES
SCALE: NO SCALE

FINISH LEGEND	
F FLOOR	
CPT-1	MODULAR CARPET 1 - MANNINGTON MODULAR WITH INFINITY MODULAR BACKING - MANNINGTON - LINEN WEAVE - STORM - 12551 24" X 24"
LVT-1	MANNINGTON LVT - AMTICO NORTHERN WANDER ILLUSION MEMORY NW 203
B BASE	
B-1	RUBBER BASE 1- MANNINGTON 4" X 1/8" RUBBER BASE- DEEP SPACE 198
W WALLS	
PT-1	PAINT COLOR 1-SHERWIN WILLIAM PAINT TO BE DETERMINED BY ARCHITECT (FIELD COLOR) EVERYWHERE - SNOWBOUND SW7004
PT-2	PAINT COLOR 2-SHERWIN WILLIAMS FLAT BLACK - EXPOSED CEILING LOBBY ONLY
AW-1	ACCENT WALL PAINT 1- SHERWIN WILLIAMS - LOBBY FURRDOWN - TO BE DETERMINED BY ARCHITECT OVERT GREEN - SW6718
AW-2	ACCENT WALL PAINT 2- SHERWIN WILLIAMS - OFFICES AND LOBBY- TO BE DETERMINED BY ARCHITECT CITYSCAPE - SW7067
CG	2X 2 X 5'-0" TALL STAINLESS STEEL CORNER GUARDS-BOTTOM OF GUARD INSTALLED AT TOP OF BASE-GLUE AND SCREW. (MATTE FINISH)
COUNTERS	
CTR-1	WILSONART QUARTZ - ARLINGTON # Q1005
CTR-2	WILSONART LAMINATE - PEWTER BRUSH # 4779-80 MATTE FINISH

ROOM FINISH SCHEDULE
SCALE: NO SCALE

FINISH LEGEND		
FLOOR KEY	FLOORING MATERIAL	FLOORING HATCH
### ##	FLOOR FINISH	
RM NM ###	ROOM NAME AND NUMBER	
CG	2" x 2" x 1/8" (5'-0" TALL) STAINLESS STEEL ANGLE CORNER GUARDS - MOUNT BOTTOM ON TOP OF FLOOR BASE. (MATTE FINISH)	
LVT-1	VINYL COMPOSITION TILE	
CPT-1	MODULAR CARPET 1-	

PROPOSED FLOOR FINISH LEGEND
SCALE: NO SCALE



FLOOR FINISH PLAN
SCALE: 1/4"=1'-0"

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SHEET TITLE
FLOOR FINISH PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS

ISSUE DATE
AUGUST 08, 2019

PROJECT NO
1904
REVISIONS
-
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SHEET NUMBER
A2.10

100

ISSUE DATE
AUGUST 08, 2019

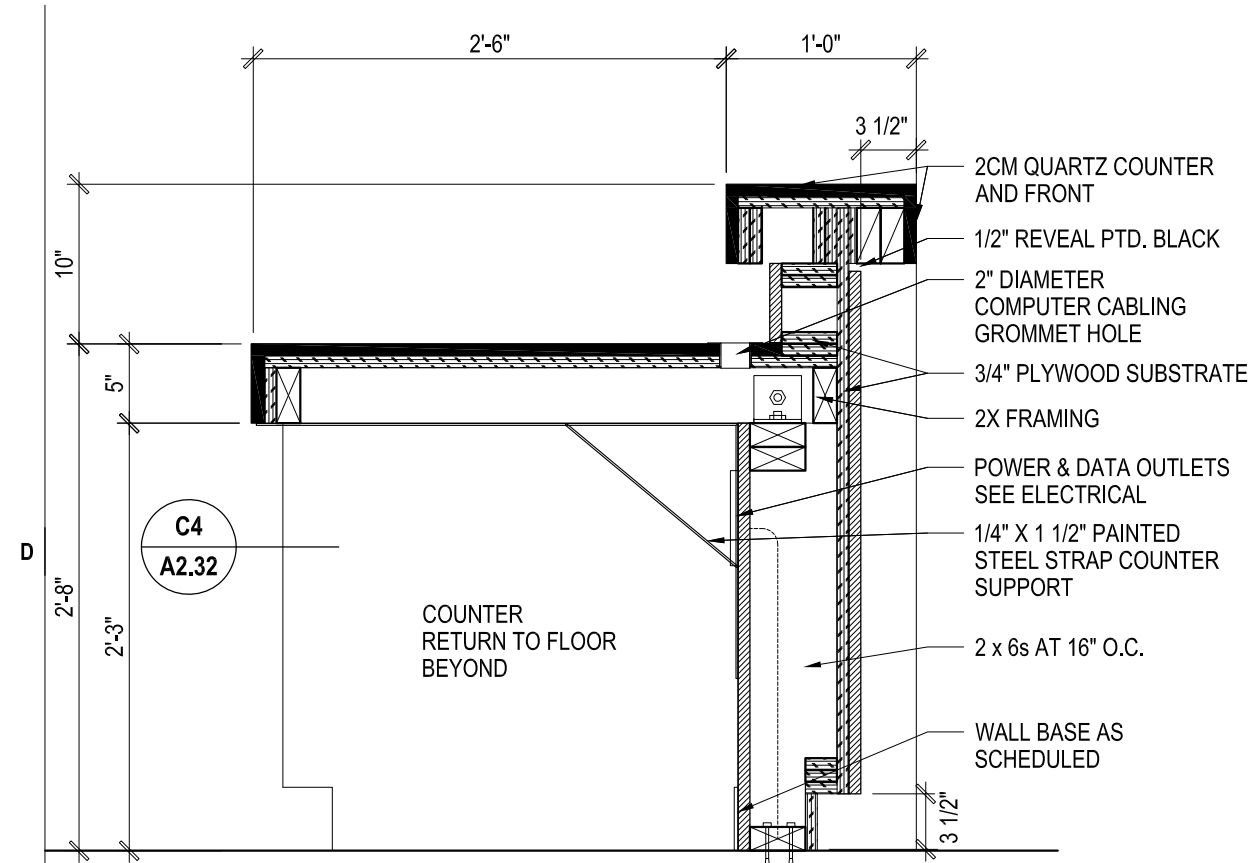
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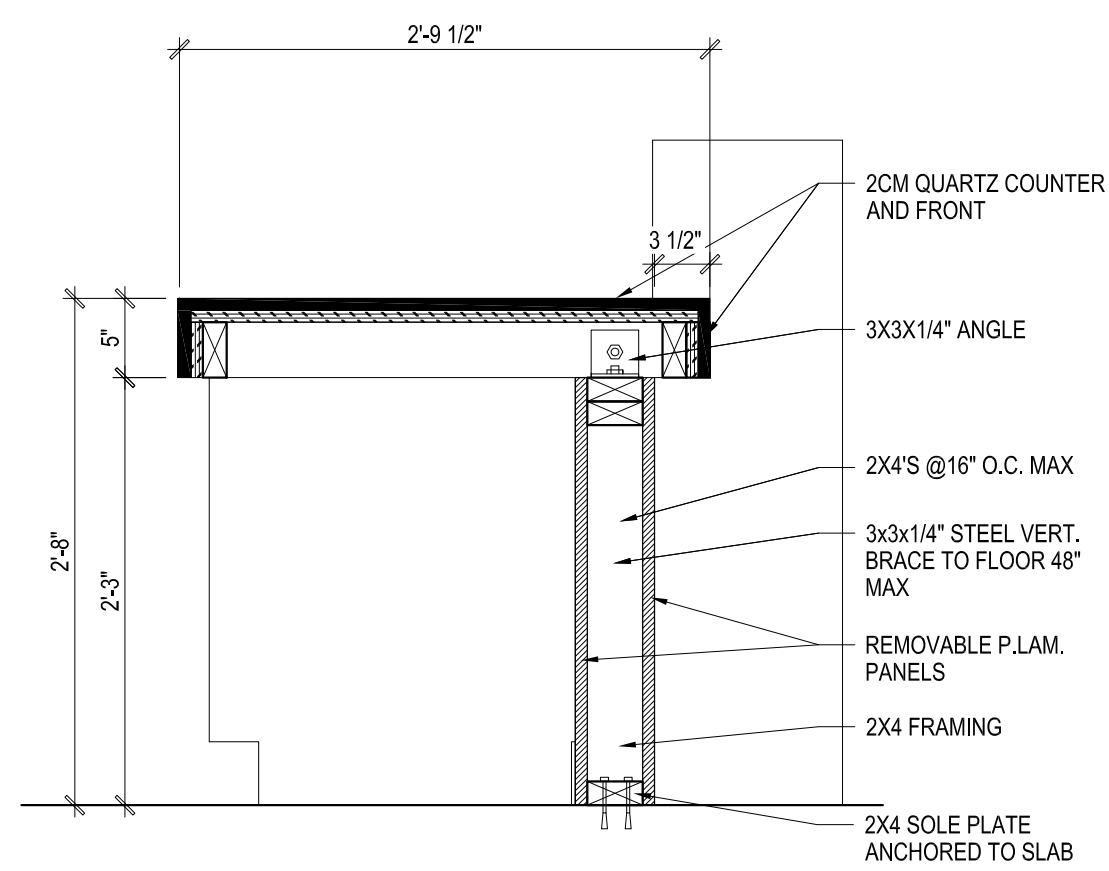


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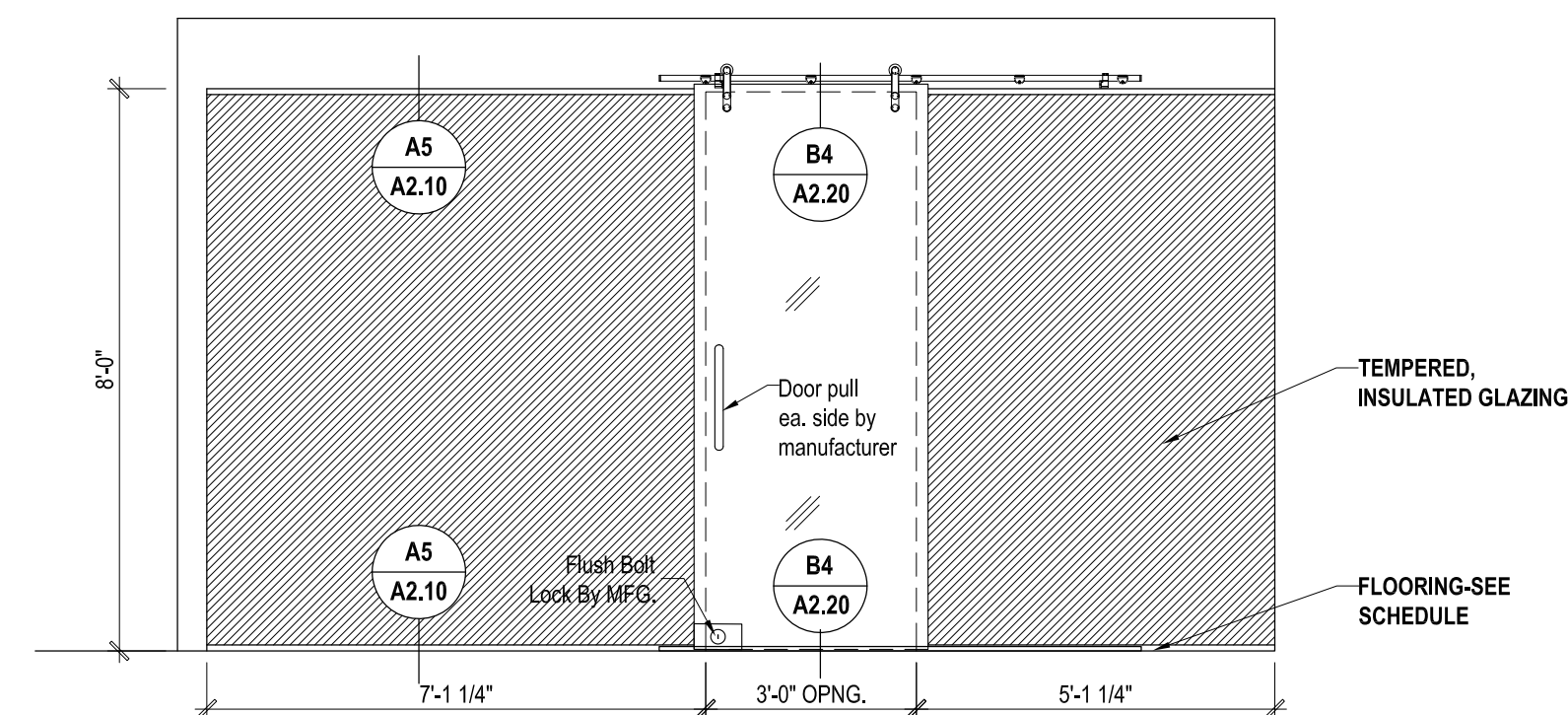
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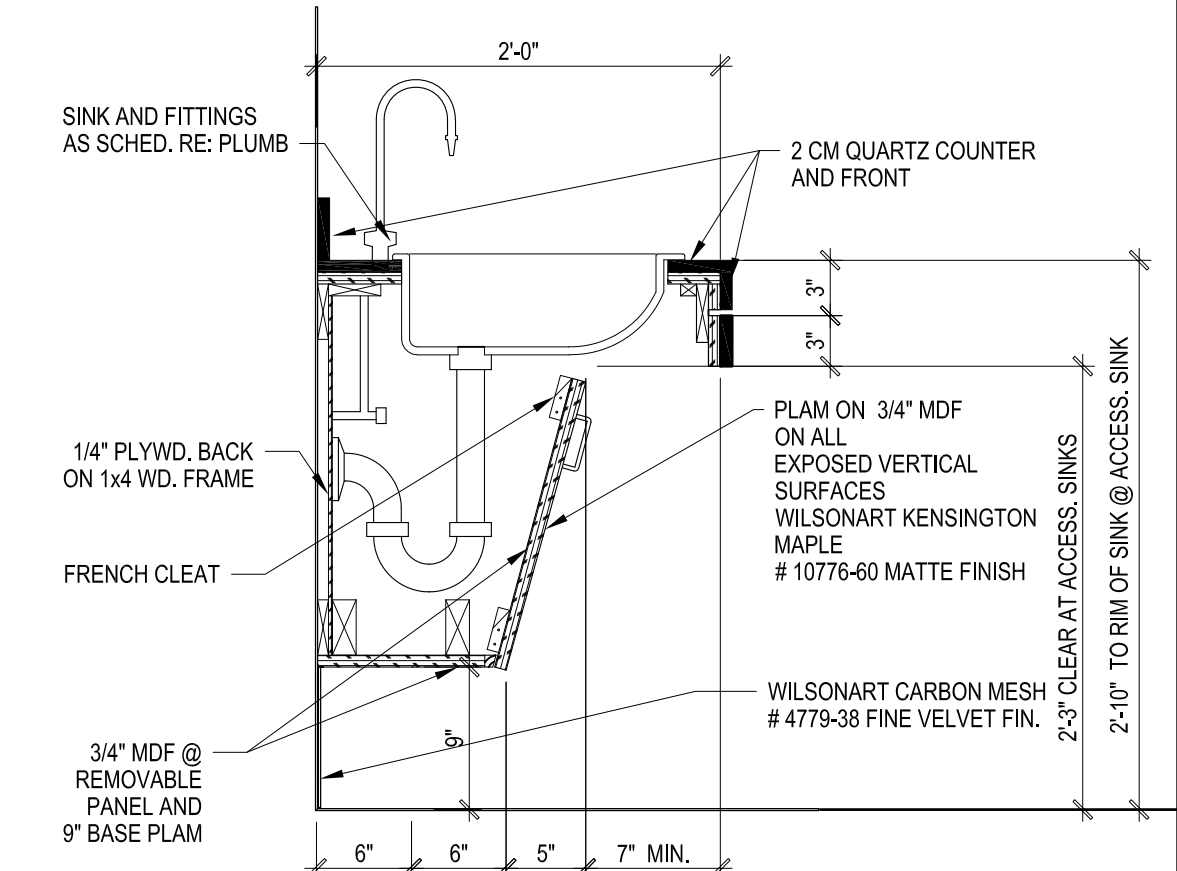
RECEPTION DESK MILLWORK SECTION D5
SCALE: 3/8" = 1'-0"



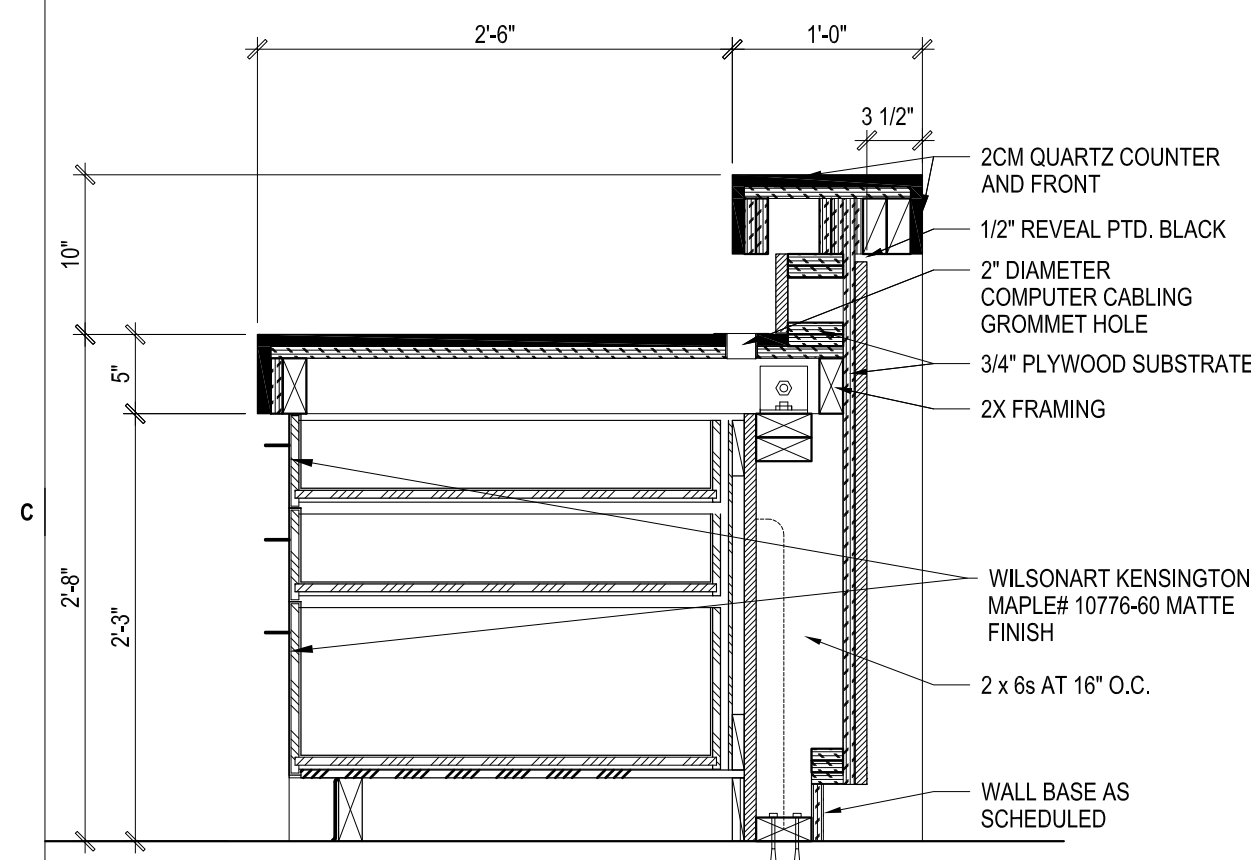
RECEPTION DESK MILLWORK SECTION D4
SCALE: 3/8" = 1'-0"



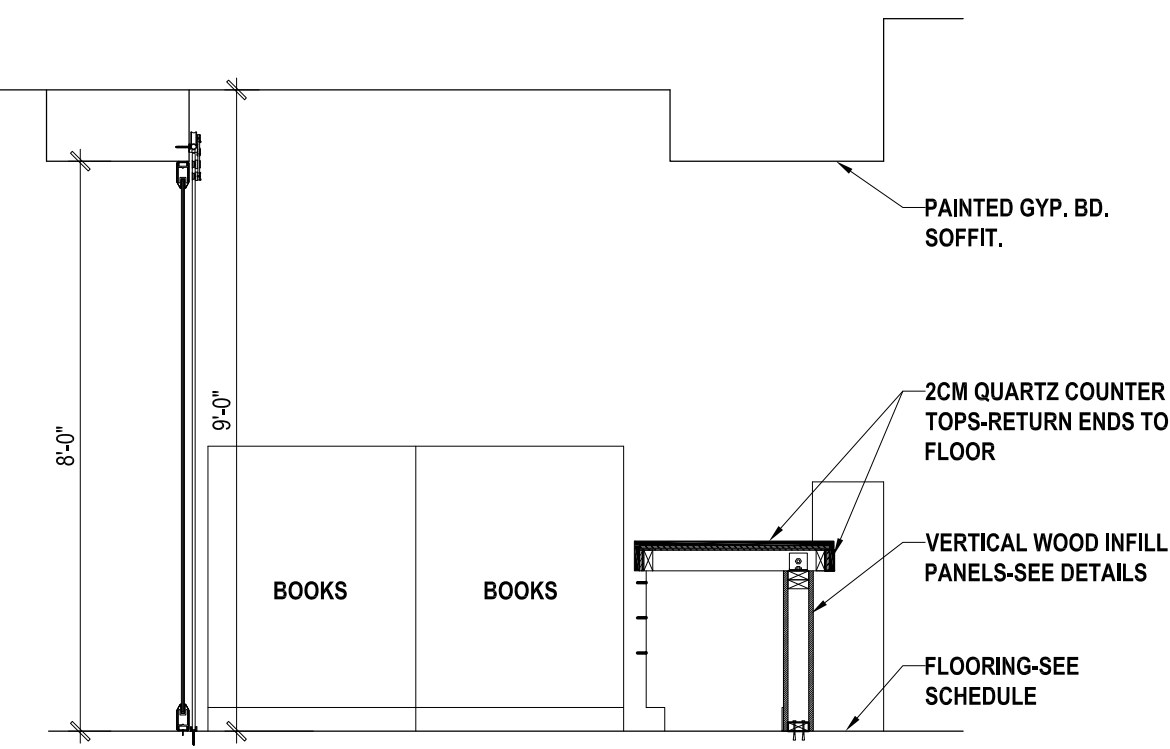
A.A. OFFICE GLASS WALL INTERIOR ELEVATION D2
SCALE: 3/8" = 1'-0"



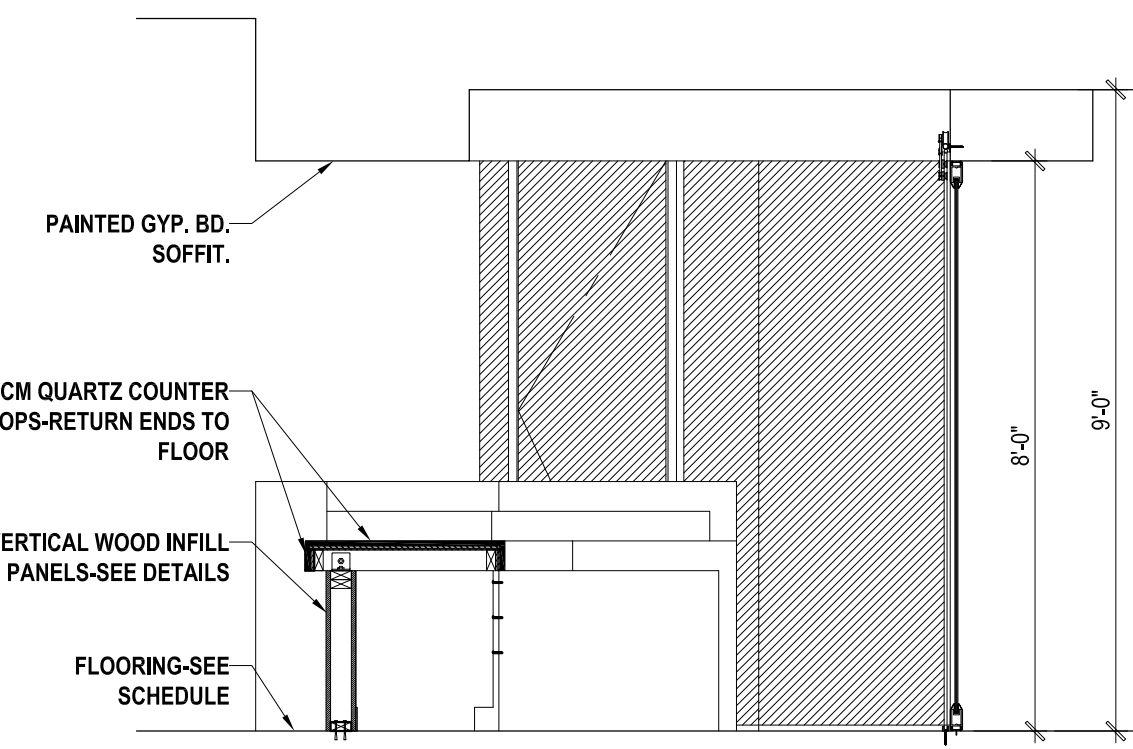
BREAK ROOM CABINET SECTION **D1**
SCALE: 1" = 1'-0"



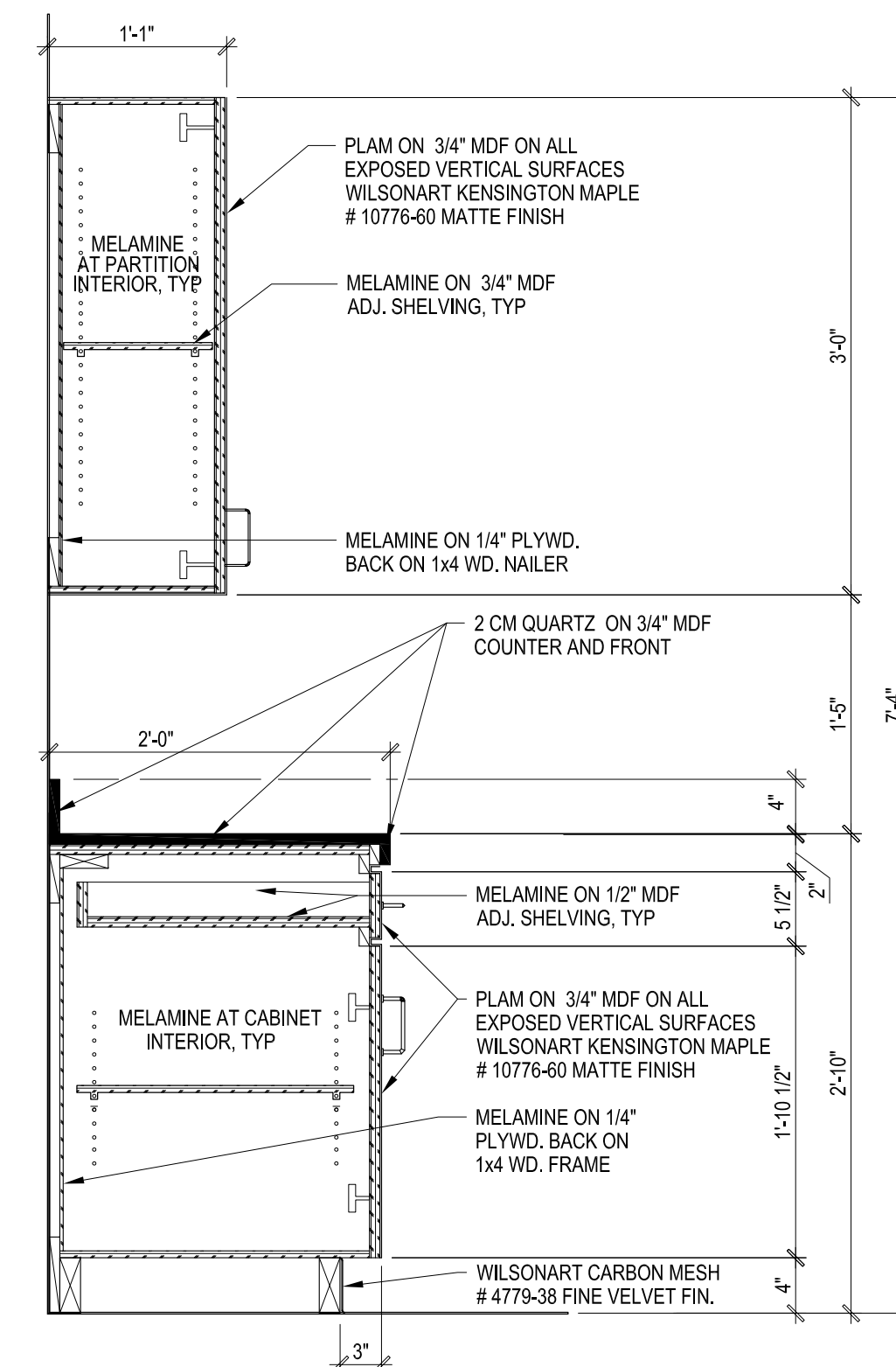
RECEPTION DESK MILLWORK SECTION C5
SCALE: 3/8" = 1'-0"



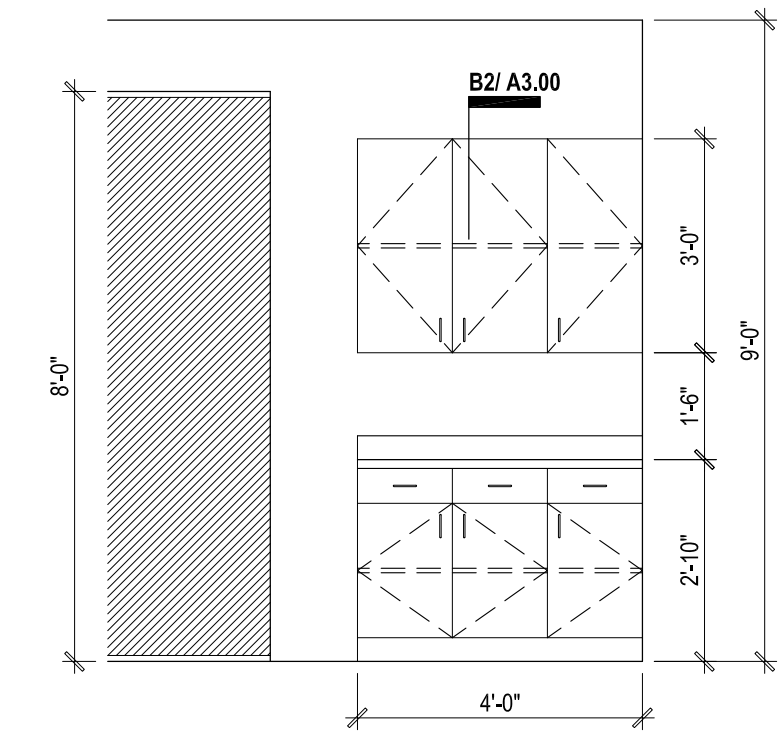
RECEPTION COUNTER INTERIOR ELEVATION C4
SCALE: 3/8" = 1'-0"



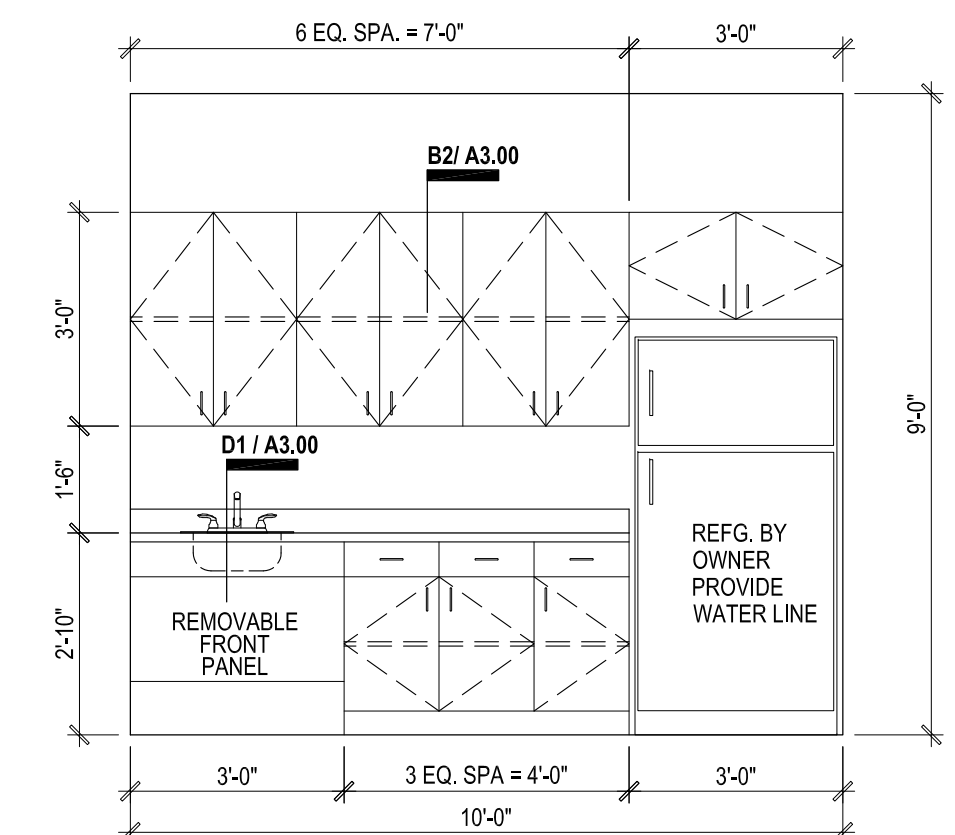
RECEPTION COUNTER INTERIOR ELEVATION C3
SCALE: 3/8" = 1'-0"



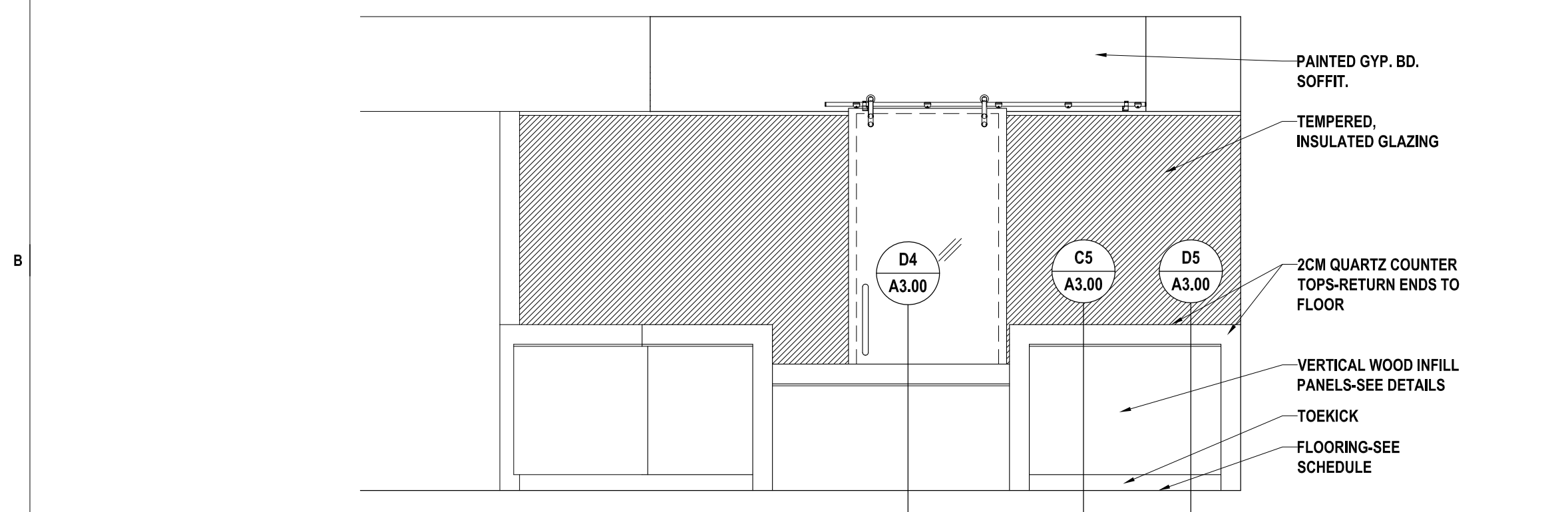
BREAK ROOM CABINET SECTION B2
SCALE: 1" = 1'-0"



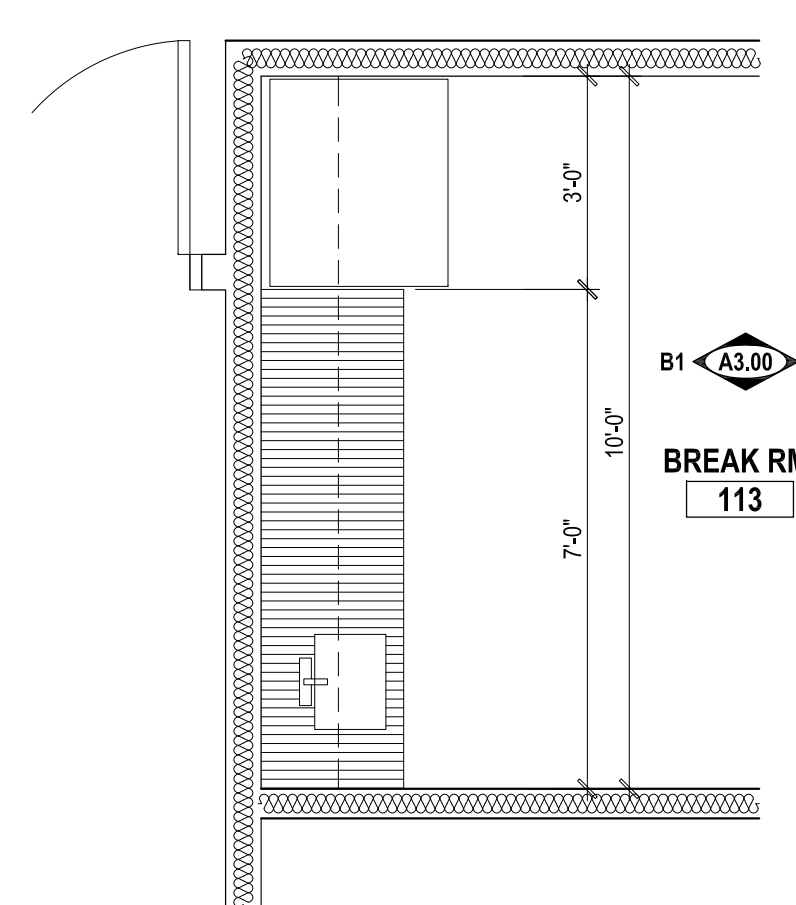
CONFERENCE ROOM CABINET ELEVATION C1
SCALE: 3/8" = 1'-0"



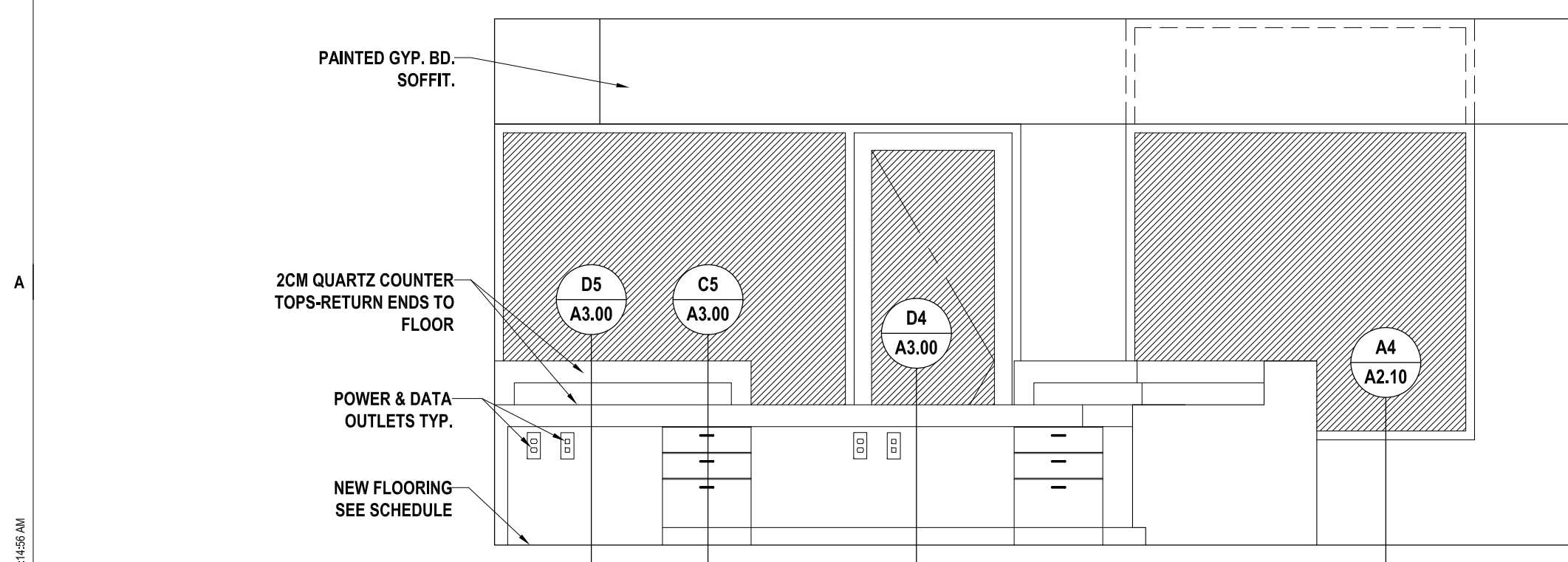
BREAK ROOM CABINET ELEVATION **B1**
SCALE: 3/8" = 1'-0"



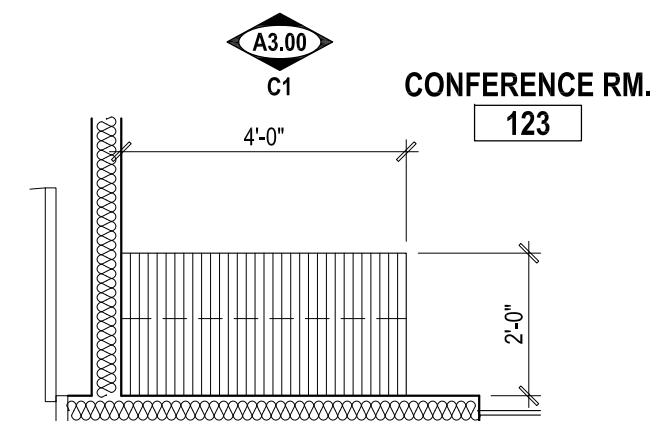
RECEPTION COUNTER INTERIOR ELEVATION **B4**
SCALE: 3/8" = 1'-0"



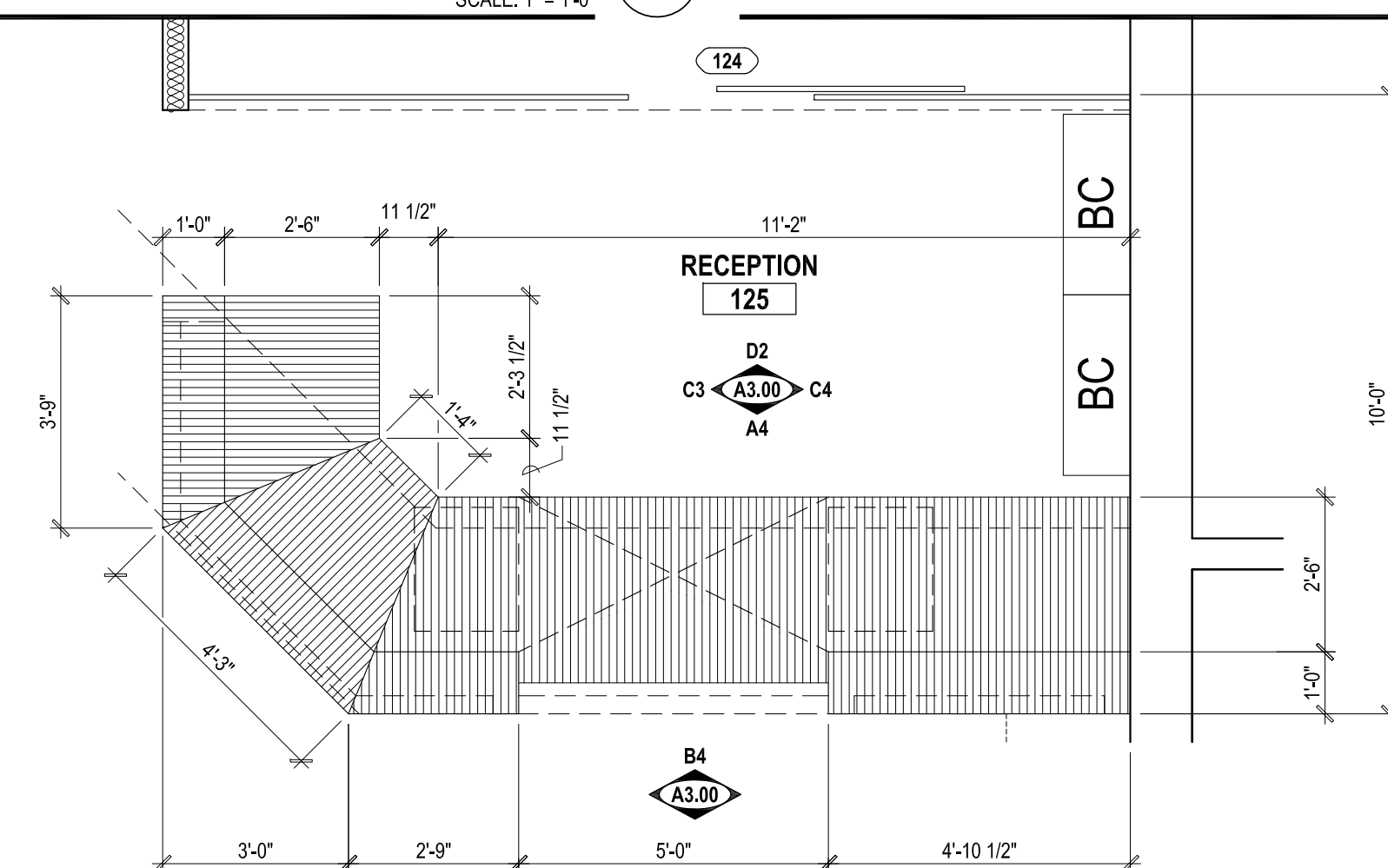
ENLARGED PLAN @ BREAK ROOM COUNTER **B3**
SCALE: 3/8" = 1'-0"



RECEPTION COUNTER INTERIOR ELEVATION A4
SCALE: 3/8" = 1'-0"



ENLARGED PLAN @ CONFERENCE ROOM COUNTER **A3**
SCALE: 3/8" = 1'-0"



ENLARGED RECEPTION COUNTER SCALE: 3/8" = 1'-0" **A1**

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**Boultinghouse
Simpson
Gates**
ARCHITECTS



3301 N McCOLL RD | McALLEN, TX 78501 |



ENLARGED PLANS AND INTERIOR ELEVATIONS
PROJECT NAME: PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV., PROJECT #19-20-1010
OWNER: SOUTH TEXAS COLLEGE
PROJECT ADDRESS: 3200 W PECAN BOULEVARD, MCALLEN, TEXAS

USE DATE
AUGUST 08, 2019

SUBJECT NO
904
 VISIONS

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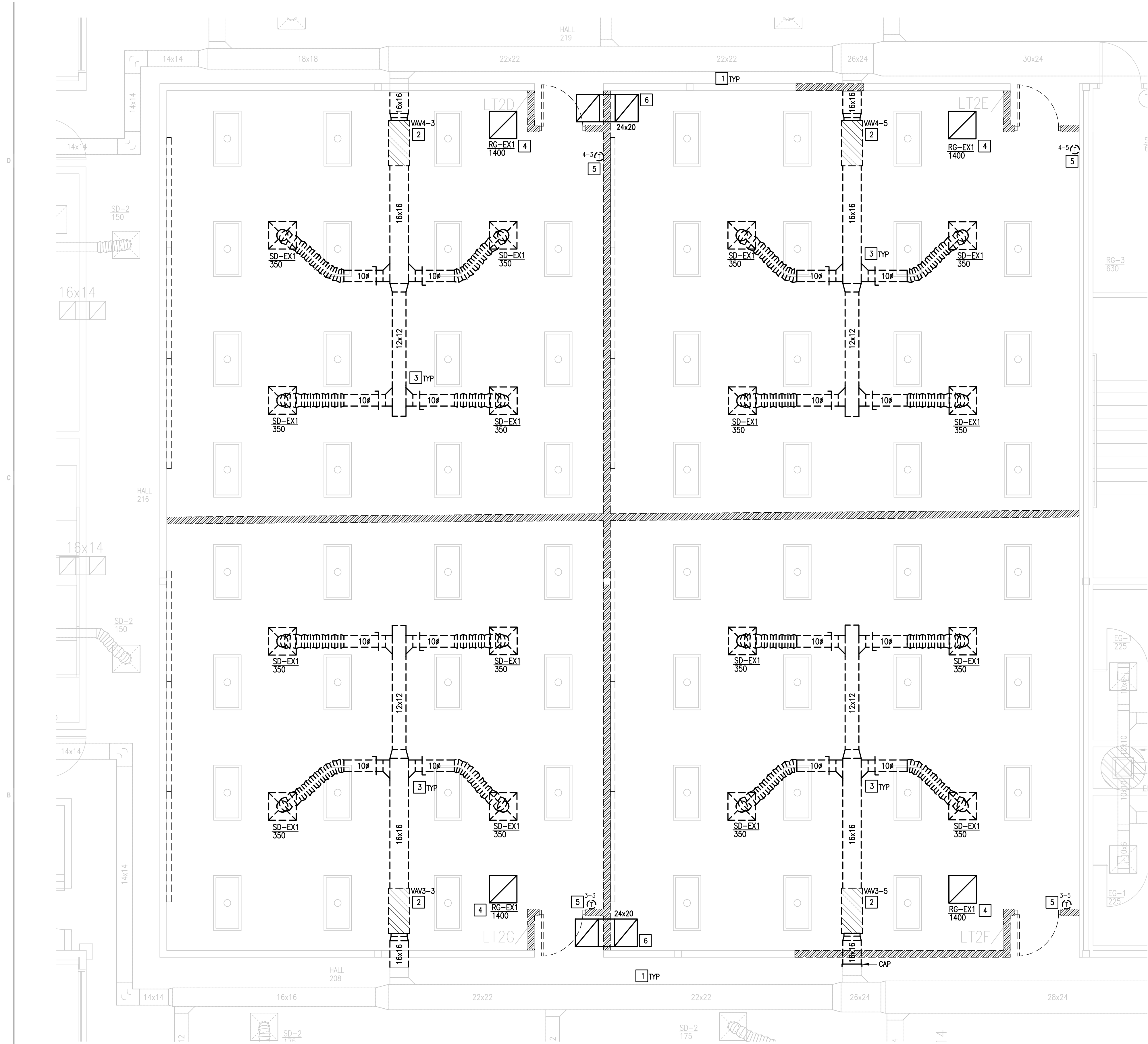
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HEET NUMBER

A3.00



MECHANICAL
DEMOLITION PLAN
SCALE : 1/4" = 1'-0"

DEMOLITION GENERAL NOTES:

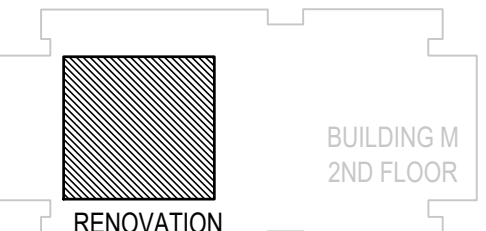
- ALL DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING THOSE PUBLISHED BY OSHA.
- THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE IS REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL OF MECHANICAL EQUIPMENT AND ASSOCIATED DEVICES. PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- COORDINATE DEMOLITION OF DIVISION 22 & 23 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- ALL EXISTING EQUIPMENT REMOVED DURING CONSTRUCTION, THAT IS NOT TO BE REUSED, SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- CONTRACTOR SHALL NOT DAMAGE STRUCTURAL INTEGRITY OF BUILDING ELEMENTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ENGINEER. CONTRACTOR SHALL GAIN CONSENT OF ENGINEER PRIOR TO COMPROMISING INTEGRITY OF STRUCTURAL BEAMS, IN WORK ASSOCIATED WITH BOTH DEMOLITION AND INSTALLATION.
- OWNER MAY WISH TO KEEP DEMOLISHED EQUIPMENT AND MATERIALS. COORDINATE OWNER, AND DISPOSE OF EQUIPMENT AND MATERIALS THAT OWNER DOES NOT RETAIN.
- COORDINATE CUTTING AND PATCHING OF ARCHITECTURAL ELEMENTS WITH ARCHITECT.
- WHERE EQUIPMENT IS INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A CONCEALED LOCATION ONLY WHEN SERVICES ARE NOT TO BE REUSED. OTHERWISE PREPARE SERVICES FOR INSTALLATION OF NEW FIXTURES OR EQUIPMENT.
- PRIOR TO LABELING EQUIPMENT, COORDINATE DESIGNATION AND IDENTIFICATION WITH OWNER AND BUILDING AUTOMATION SYSTEM.
- ORIENT EXHAUST FANS TO MINIMIZE DUCTWORK. PROVIDE REQUIRED MODIFICATIONS FOR A COMPLETE AND SEAMLESS INSTALLATION.

DEMOLITION KEYED NOTES:

- RETAIN AND REUSE EXISTING DUCTWORK AS SHOWN.
- DEMOLISH EXISTING VAV BOX.
- DEMOLISH EXISTING DUCTWORK AS SHOWN.
- RETAIN AND RELOCATE EXISTING RETURN AIR GRILLE. SEE NEW PLAN FOR NEW LOCATION. (TYPICAL)
- DEMOLISH EXISTING THERMOSTAT.
- RETAIN AND RELOCATE EXISTING TRANSFER DUCT ABOVE CEILING. SEE NEW PLAN FOR NEW LOCATION.

LEGEND

	EXISTING SUPPLY DIFFUSER TO REMAIN
	EXISTING RETURN AIR GRILLE TO BE RELOCATED
	EXISTING SUPPLY DIFFUSER TO BE DEMOLISHED
	EXISTING DUCTWORK TO REMAIN
	DUCTWORK TO BE DEMOLISHED
	DUCTWORK TO BE RELOCATED
	EXISTING T-STAT TO BE DEMOLISHED
	EXISTING EQUIPMENT TO BE DEMOLISHED

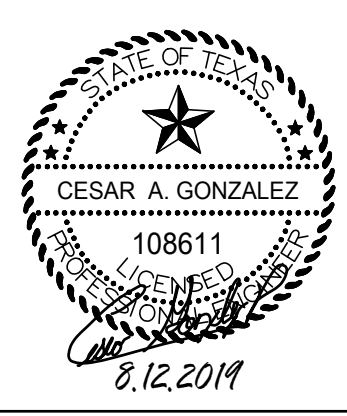


KEYPLAN



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MECHANICAL DEMOLITION PLAN
PROJECT NAME: PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER: SOUTH TEXAS COLLEGE
PROJECT ADDRESS: 3200 W PECAN BOULEVARD, MCALEEN, TEXAS

ISSUE DATE:
AUGUST 12, 2019

PROJECT NO	1904
REVISIONS	

SHEET NUMBER
DM1.01

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C

B

A

COORDINATION:

1. GENERAL:

a. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND MECHANICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.

b. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR. COORDINATE MECHANICAL WITH OTHER TRADES SUCH AS PLUMBING, ELECTRICAL AND STRUCTURAL WORK. COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.

c. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING STAGE.

d. PROVIDE COORDINATION DRAWINGS OF REFLECTED CEILING PLAN AND SECTION ABOVE CEILING SHOWING WORK OF ALL AFFECTED TRADES. DO NOT PROCEED WITH FABRICATION WORK UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED BY A/E.

e. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.
2. SITE:

a. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING STAGE.
3. ARCHITECTURAL:

a. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF CONSTRUCTION, INCLUDING BEAMS, FLOOR AND WALL PENETRATIONS, CHASES, AND REFLECTED CEILING PLANS. VERIFY OPENING SIZES WITH EQUIPMENT FURNISHED.

b. SLEEVE ALL EXTERIOR WALL AND GRADE BEAM PENETRATIONS. GRADE BEAM PENETRATIONS SHALL BE MADE WITHIN MIDDLE 1/3 OF VERTICAL SPAN OF BEAM.

c. SEAL AROUND DUCTS AND PIPING AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE ESCUTCHEON PLATES AND FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.
4. SPATIAL COORDINATION:

a. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.

b. IN CASE OF CONFLICTS, ITEMS SHALL BE ARRANGED ACCORDING TO THE FOLLOWING PRIORITIES: LIGHTING, FIRE PROTECTION, HVAC. PROVIDE OFFSETS/RISES/DROPS REQUIRED TO RESOLVE CONFLICTS WITH OTHER UTILITIES, AND TO ACCOMMODATE ALL UTILITIES ABOVE CEILINGS.

c. IN GENERAL, REROUTE SMALLER DUCTS/PIPES THROUGH JOISTS TO RESOLVE CONFLICTS WITH LARGER. PERFORM REROUTING IN MOST EFFICIENT MANNER POSSIBLE, AND IN ACCORDANCE WITH INDUSTRY STANDARDS.

d. PROVIDE COORDINATION DRAWINGS OF REFLECTED CEILING PLAN AND SECTION ABOVE CEILING SHOWING WORK OF ALL AFFECTED TRADES. DO NOT PROCEED WITH FABRICATION WORK UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED BY A/E.

e. IN GENERAL ROUTE DUCTS/PIPES IN MOST EFFICIENT MANNER POSSIBLE, AND IN ACCORDANCE WITH INDUSTRY STANDARDS.

f. SEE ELECTRICAL PLANS FOR EXACT LOCATION OF ELECTRICAL PANELS TO AVOID DUCTWORK AND PIPING RUNNING OVER THESE AREAS. COORDINATE WITH ELECTRICAL CONTRACTOR.

g. LOCATE AIR DEVICES AS SHOWN. COORDINATE WITH OTHER TRADES TO AVOID CONFLICT AND ADJUST LOCATION IF NEEDED WITHOUT COMPROMISING AIR DEVICES PERFORMANCE.

GENERAL NOTES:

1. CONTRACT RELATED:

a. COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.

b. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.

c. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

DUCTWORK:

1. DUCTWORK GENERAL:

a. DRAWINGS ARE DIAGRAMMATIC IN NATURE. FOR CLARITY SAKE, MOST DUCT OFFSETS/RISES/DROPS ARE NOT SHOWN. WHERE DUCTS PENETRATE WALLS, INSTALL THEM PERPENDICULAR TO WALL.

b. RECTANGULAR AND ROUND DUCTWORK SHALL BE GALVANIZED STEEL. SIZES SHOWN ARE INSIDE CLEAR DIMENSION, UNLESS NOTED OTHERWISE.

c. VERIFY BOTTOM OF DUCT ELEVATION AND COORDINATE WITH OTHER TRADES.

d. CONSTRUCT AND LEAKAGE TEST ALL DUCTWORK BASED ON SPECIFICATIONS AND SMACNA REQUIREMENTS, WHICHEVER IS MORE STRINGENT. COORDINATE PRESSURE CLASSES WITH EQUIPMENT SCHEDULES.

e. FLEXIBLE DUCTS MAXIMUM LENGTH SHALL NOT EXCEED 6 FEET. USE OF FLEXIBLE DUCTWORK IS LIMITED TO AREAS WITH AN ACCESSIBLE SUSPENDED CEILING. PINCHED DUCT WILL HAVE TO BE REPLACED.

f. LOCATE AIR DEVICES AS SHOWN. COORDINATE WITH ELECTRICAL, IF NEEDED. RELOCATE DIFFUSER TO ADJACENT TILE.

CODES & ORDINANCES:

1. GENERAL:

a. UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS, PERFORM ALL WORK PER APPLICABLE VERSION OF INTERNATIONAL BUILDING CODES, AND LOCAL CODES AND ORDINANCES.

b. PRIOR TO SUBMITTING PROPOSAL, NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
2. PERMITS:

a. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.

b. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
3. APPROVALS AND INSPECTIONS:

a. OBTAIN APPROVAL FROM CITY FIRE DEPARTMENT AND BUILDING AND SAFETY DEPARTMENT PRIOR TO INSTALLATION OF ANY FIRE RELATED ITEMS.

EQUIPMENT:

1. EQUIPMENT INSPECTION:

a. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.

b. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY EQUIMENT CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.

c. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
2. EQUIPMENT ACCESS:

a. FOR EQUIPMENT WHICH MAY REQUIRE PERIODIC SERVOING AND WHICH IS LOCATED ABOVE A SUSPENDED CEILING, CONTRACTOR IS TO PROVIDE A MARKER ON CEILING GRID WHICH CLEARLY INDICATES WHICH CEILING TILE IS TO BE REMOVED TO MOST CONVENIENTLY ACCESS EQUIPMENT SIDE NEEDING SERVOING. THE MARKER IS TO BE ROUND DOT OF HEAVY DUTY COLORED PAPER, WITH DIRECTION INDICATION, WITH ADHESIVE BACKING. OBTAIN OWNER APPROVAL FOR COLOR, SIZE, AND TYPE PRIOR TO INSTALLATION.

b. PROVIDE MANUFACTURER RECOMMENDED AND CODE ENFORCED CLEARANCES AROUND EQUIPMENT.

c. INSTALL ALL VALVES, CONTROLS, DAMPERS, FANS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE ADEQUATELY SIZED ACCESS DOORS WHERE REQUIRED.
3. EQUIPMENT INSTALLATION:

a. PROVIDE SPRING HANGER TYPE VIBRATION ISOLATORS TO SUPPORT SUSPENDED AHUS, FANS AND OTHER POWERED VIBRATING EQUIPMENT. PROVIDE FLEXIBLE DUCT CONNECTORS.

b. AFFIX ID TAGS TO ALL MECHANICAL EQUIPMENT PER SPECIFICATIONS.
4. ELECTRICAL:

a. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ELECTRICAL CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.

b. DUE TO VARIATIONS IN EQUIPMENT CHARACTERISTICS BY DIFFERENT EQUIPMENT SUPPLIERS, MECHANICAL EQUIPMENT ULTIMATELY PROVIDED MAY DIFFER IN HORSEPOWER OR AMPERAGE REQUIREMENTS FROM THAT SPECIFIED IN THESE DRAWINGS. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO BIDDING, AND PRIOR TO SUBMITTALS AND ORDERING EQUIPMENT, TO ENSURE THAT EQUIPMENT ELECTRICAL REQUIREMENTS ARE CONVEYED TO ELECTRICAL CONTRACTOR. IT IS SOLELY CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPATIBILITY ISSUES ARE COORDINATED.

ABBREVIATIONS

A	AMPS	ENT.	ENTERING	NTS	NOT TO SCALE
ACT	ACTUATOR	EXT.	EXTERNAL OR EXTERIOR	OA	OUTSIDE AIR
AFF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	PH	PHASE
B.	BOTTOM	FPI	FINS PER INCH	RA	RETURN AIR
BOP	BOTTOM OF PIPE	G.	GROUND	RAG/RG	RETURN AIR GRILLE
BOTT.	BOTTOM	GA.	GAGE	RM.	ROOM
CLG.	CEILING	GALV.	GALVANIZED	SA	SUPPLY AIR
COMB.	COMBINATION	GRND.	GROUND	SS	STAINLESS STEEL
CONC.	CONCRETE	HP	HORSEPOWER	TAB	TESTING & BALANCING
COND.	CONDUIT	HS	HUMIDITY SENSOR	T.O.L.	TOP OF LOUVER
CW	CITY WATER	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	TS	TEMPERATURE SENSOR
DDC	DIRECT DIGITAL CONTROLS	LVG.	LEAVING	TSTAT	THERMOSTAT
DMPR.	DAMPER	MECH	MECHANICAL	UG	UNDERGROUND
EAG/EG	EXHAUST AIR GRILLE	NC	NORMALLY CLOSED	UNO	UNLESS OTHERWISE NOTED
EMS	ENERGY MANAGEMENT SYSTEM	NO	NORMALLY OPEN	V	VOLTS

MECHANICAL SYMBOLS LEGEND

12x12	DUCT SIZE: FIRST FIGURE IS SIDE SHOWN		THERMOSTAT
(12x12)	BELOW DUCT SIZE: FIRST FIGURE IS SIDE SHOWN		SPACE HUMIDITY SENSOR
	DIRECTION OF FLOW-RETURN		DUCT HUMIDITY SENSOR
	DIRECTION OF FLOW-SUPPLY		SPACE CARBON DIOXIDE SENSOR
			STATIC PRESSURE SENSOR
	FIRE DAMPER		DUCT CARBON DIOXIDE SENSOR
	FLEXIBLE DUCT		BACKDRAFT DAMPER
	EXHAUST AIR GRILLE		
	RETURN AIR/TRANSFER AIR GRILLE		SUPPLY AIR DIFFUSER
			SIDE TAP WITH DAMPER



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3301 N MCCOLL RD | MCALLEN, TX 78501 | P 956.630.9494 | F 956.630.2058

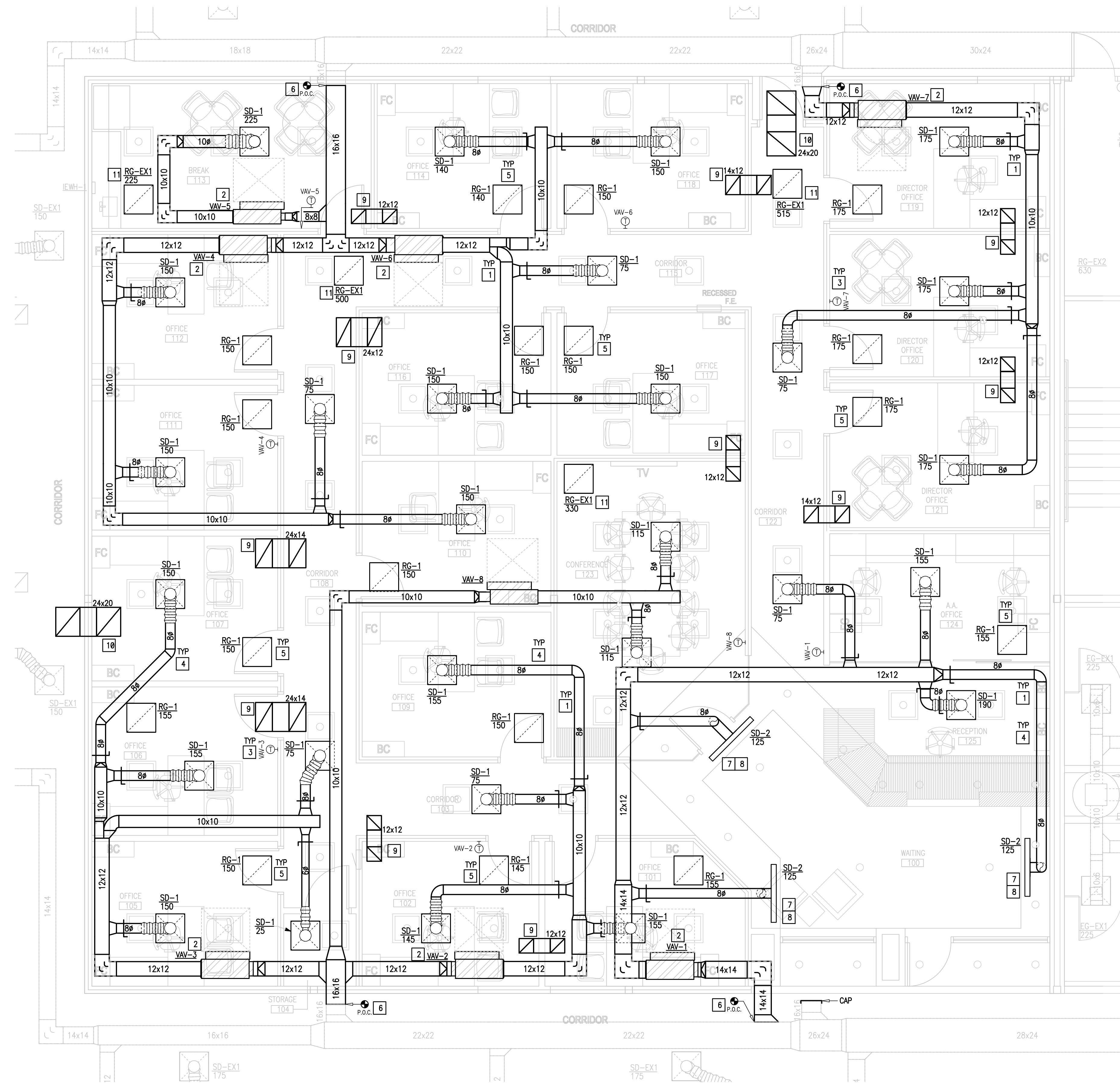


SHEET TITLE
MECHANICAL GENERAL NOTES LEGEND & ABBREVIATIONS
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS

ISSUE DATE
AUGUST 12, 2019

PROJECT NO	1904
REVISIONS	
-	-
-	-
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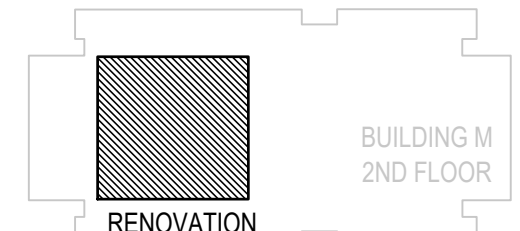
SHEET NUMBER
M2.01



NEW
01 MECHANICAL PLAN
SCALE : 1/4" = 1'-0"

MECHANICAL KEYED NOTES:

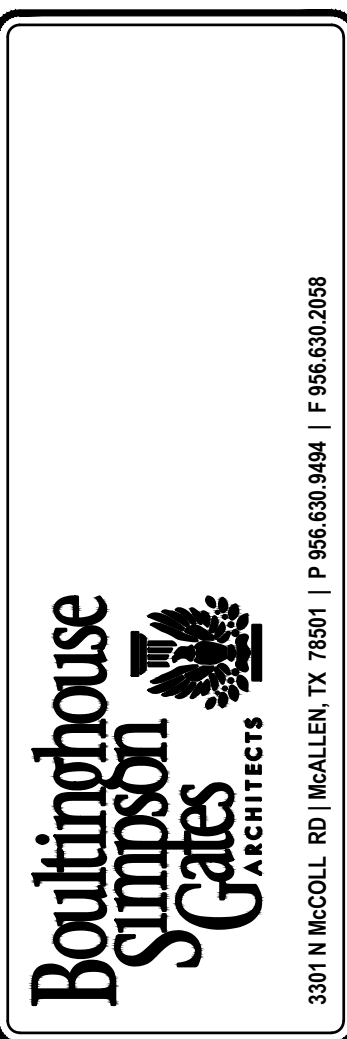
- 1 DUCTWORK ROUTING SHOWN IS DIAGRAMMATIC IN NATURE. FIELD-VERIFY STRUCTURE AND SPACE AVAILABILITY PRIOR TO SUBMITTING SHOP DRAWINGS. COORDINATE WITH ARCHITECT AND ENGINEER IN CASE OF CONFLICTS. (TYPICAL)
- 2 PROVIDE VAV TERMINAL UNIT AS SCHEDULED, PROVIDE DUCT TRANSITION AS NEEDED. MAINTAIN MINIMUM 4'-0" STRAIGHT DUCT SECTION UPSTREAM OF BOX AND MINIMUM 3'-0" CLEARANCE IN FRONT OF THE ACCESS PANEL. SUPPORT WITH GALVANIZED ALL-THREAD AS SHOWN IN DETAIL.
- 3 PROVIDE THERMOSTAT WHERE INDICATED. INSTALL 48" A.F.F. COORDINATE WITH ARCHITECT AND OWNER TO MEET ADA REQUIREMENTS. (TYPICAL)
- 4 PROVIDE ROUND SPIRAL LOCK-SEAM DUCT. LONGITUDINAL SEAM TYPE IS NOT ACCEPTABLE. (TYPICAL)
- 5 PROVIDE RETURN AIR GRILLE IN LAY-IN CEILING, OPEN TO PLENUM. REFER TO DETAIL FOR RETURN AIR DUCT BOOT REQUIREMENTS. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- 6 CONNECT NEW SUPPLY AIR DUCT INTO EXISTING SUPPLY AIR DUCT AT THIS APPROXIMATE LOCATION.
- 7 PROVIDE LINEAR DIFFUSER AS SCHEDULED. PROVIDE FIELD FABRICATED INSULATED PLENUM BOX BEHIND AIR DEVICE.
- 8 COORDINATE INSTALLATION OF LINEAR DIFFUSERS WITH ARCHITECTURAL FUR-DOWN.
- 9 TRANSFER DUCT ABOVE CEILING. DUCT TO BE INTERNALLY LINED. RE2/M2.1 FOR TRANSFER AIR DETAIL. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- 10 RELOCATE TRANSFER DUCT ABOVE CEILING AS SHOWN.
- 11 RELOCATE RETURN AIR GRILLE TO NEW CEILING GRID AS SHOWN.



KEYPLAN



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SHEET TITLE
MECHANICAL PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, McALLEN, TEXAS

ISSUE DATE
AUGUST 12, 2019

PROJECT NO	1904
REVISIONS	

SHEET NUMBER
M3.01

VAV BOX SCHEDULE

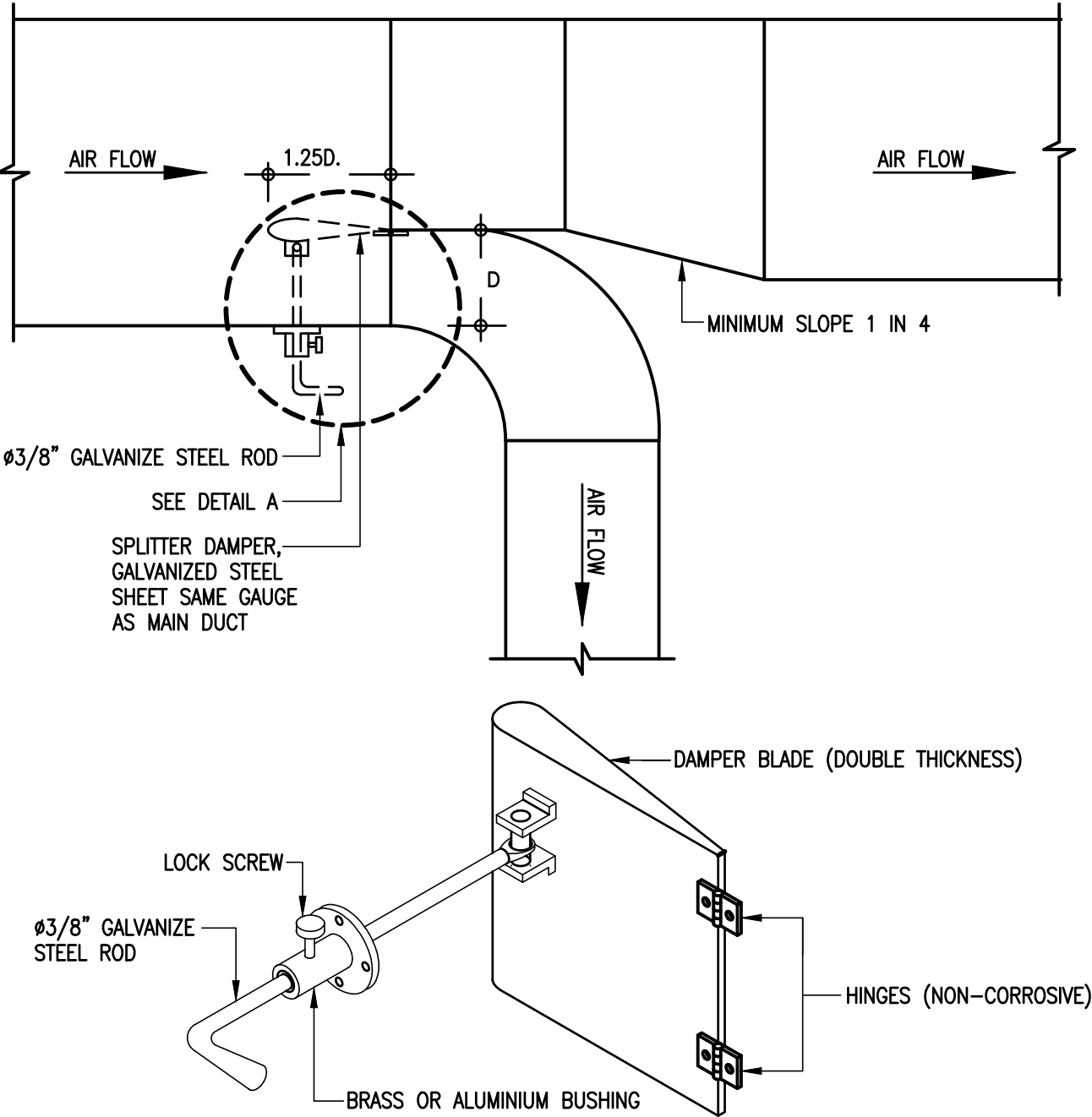
MARK	SERVING SPACE	MAXIMUM CFM	MIN. ELEC. HEAT KW	ELECTRICAL V/P/H	ELECTRIC HEAT STEPS	UNIT PD (IN WG)	MIN. COOLING FLOW (%)	MANUF. MODEL SERIES	MODEL SIZE	NOTES
VAV-1	SEE PLAN	795	4.5	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-2	SEE PLAN	530	3.0	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-3	SEE PLAN	555	3.5	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-4	SEE PLAN	525	3.0	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-5	SEE PLAN	225	1.5	277/1/60	1	-	30%	TITUS DESV	8	ALL
VAV-6	SEE PLAN	665	4.0	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-7	SEE PLAN	600	3.0	480/3/60	2	-	30%	TITUS DESV	12	ALL
VAV-8	SEE PLAN	230	1.5	277/1/60	1	-	30%	TITUS DESV	8	ALL

- NOTES:
- COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.
 - PROVIDE VAV TERMINAL UNIT WITH 24V TRANSFORMER AND FUSIBLE INTEGRAL DISCONNECT.
 - COORDINATE INLET AND OUTLET DIMENSIONS WITH PLANS. PROVIDE "RECTANGULAR TO ROUND" TRANSITIONS FOR INLET CONNECTIONS AS SHOWN ON DRAWINGS.
 - FURNISH VAV BOXES LESS THAN 14" DEEP.
 - FURNISH WITH SLIP AND DRIVE CONNECTIONS.
 - MINIMUM AIR FLOW SHALL BE 50% DURING HEATING MODE.
 - PROVIDE [5/8" THICK FOIL FACED FIBERGLASS BOARD] OR [3/4" THICK FIBER FREE FOAM INSULATION]
 - PROVIDE CROSSFLOW INLET AIR VELOCITY SENSOR OR EQUAL.

AIR DEVICE & DIFFUSER SCHEDULE

SUPPLY AIR DIFFUSER (SD-1)					
TITUS OMNI-AA NC < 20			DESCRIPTION: ALUMINUM SQUARE CEILING DIFFUSER, BORDER TYPE 3, COLOR WHITE WITH ROUND NECK AND FULL FACE		
CLG. MODULE SIZE INCHES	FACE SIZE INCHES	ROUND NECK SIZE	FLEX DUCT SIZE	DIFFUSER DIFFUSION PATTERN & CFM	NOTES
24 X 24	24 X 24	TO MATCH NC CRITERIA	SEE PLAN	SD1-CFM	1-5
SUPPLY AIR DIFFUSER (SD-2)					
TITUS ML-39 NC < 17			DESCRIPTION: HIGH PERFORMANCE, LINEAR SLOT DIFFUSER WITH FIELD FABRICATED PLENUM. SEE PLAN FOR LENGTH.		
CFM RANGE	# SLOTS	SIZE OF SLOTS INCHES	(ACTIVE SECTION) PLENUM LENGTH INCHES	DIFFUSER DIFFUSION PATTERN & CFM	NOTES
0-160	2	1	48"	SD2-CFM	1-6
RETURN AIR GRILLE (RG-1)					
TITUS 50F NC < 20			DESCRIPTION: ALUMINUM GRID EGGRATE RETURN GRILLE WITH BORDER TYPE 3 (LAY-IN) OR BORDER TYP 1 (SURFACE MOUNT).		
CFM RANGE	CLG. MODULE SIZE INCHES	NOMINAL DUCT SIZE INCHES (INLET)	DIFFUSER DIFFUSION PATTERN & CFM	NOTES	
0 - 1600	24 X 24	18 X 18	RG1-CFM (RETURN AIR GRILLES ONLY)	1,4,5	

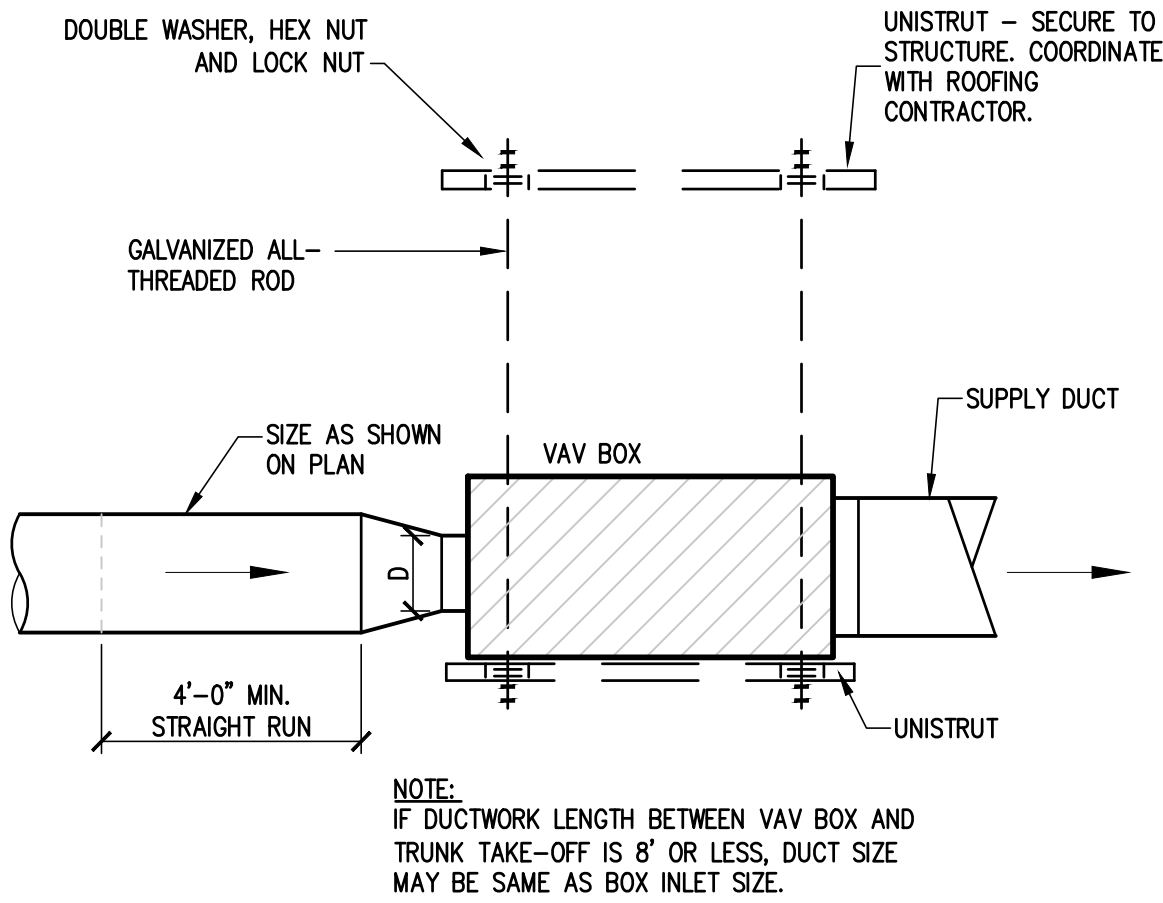
- NOTES:
- PROVIDE MANUFACTURER'S STANDARD BAKED WHITE ENAMEL FINISH.
 - PROVIDE FULL SIZE BACK PAN WITH DUCT ADAPTER.
 - INSULATE BACK PAN ON ALL SUPPLY AIR DIFFUSERS AND GRILLES.
 - PROVIDE MOUNTING FRAME TYPE COMPATIBLE WITH SCHEDULED CEILING OR WALL (SURFACE OR LAY-IN).
 - AIR DEVICES SHALL MATCH ARCHITECTURAL FINISH. COORDINATE COLOR WITH ARCHITECT.
 - PROVIDE BORDER TYPE 2B, WITH FLANGE BORDER.



DETAIL A

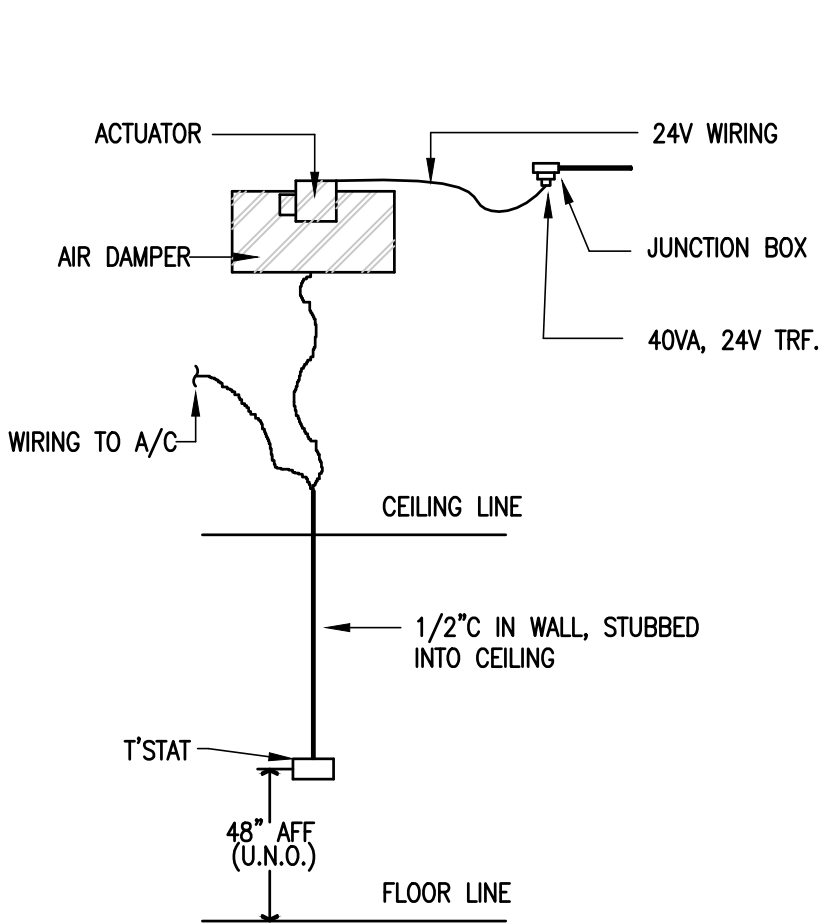
01 WYE FITTING WITH DAMPER DETAIL

SCALE : NOT TO SCALE



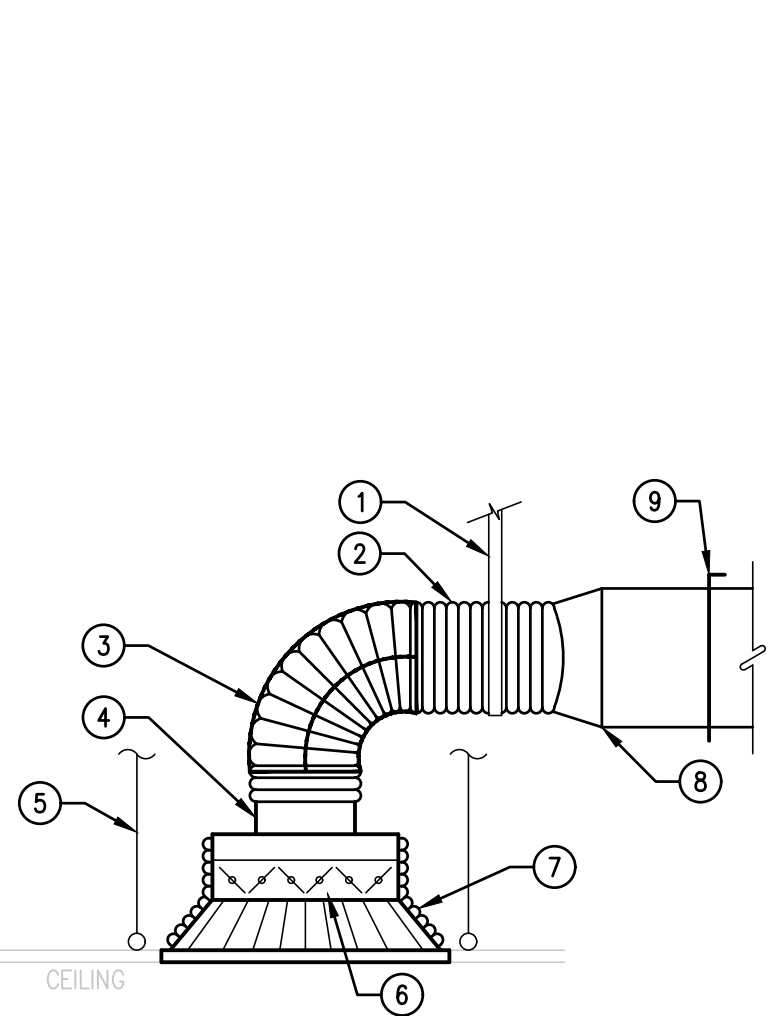
02 TYPICAL VAV BOX DUCT CONNECTION

SCALE : NOT TO SCALE



03 TYPICAL VAV SYSTEM DETAIL

SCALE : NOT TO SCALE

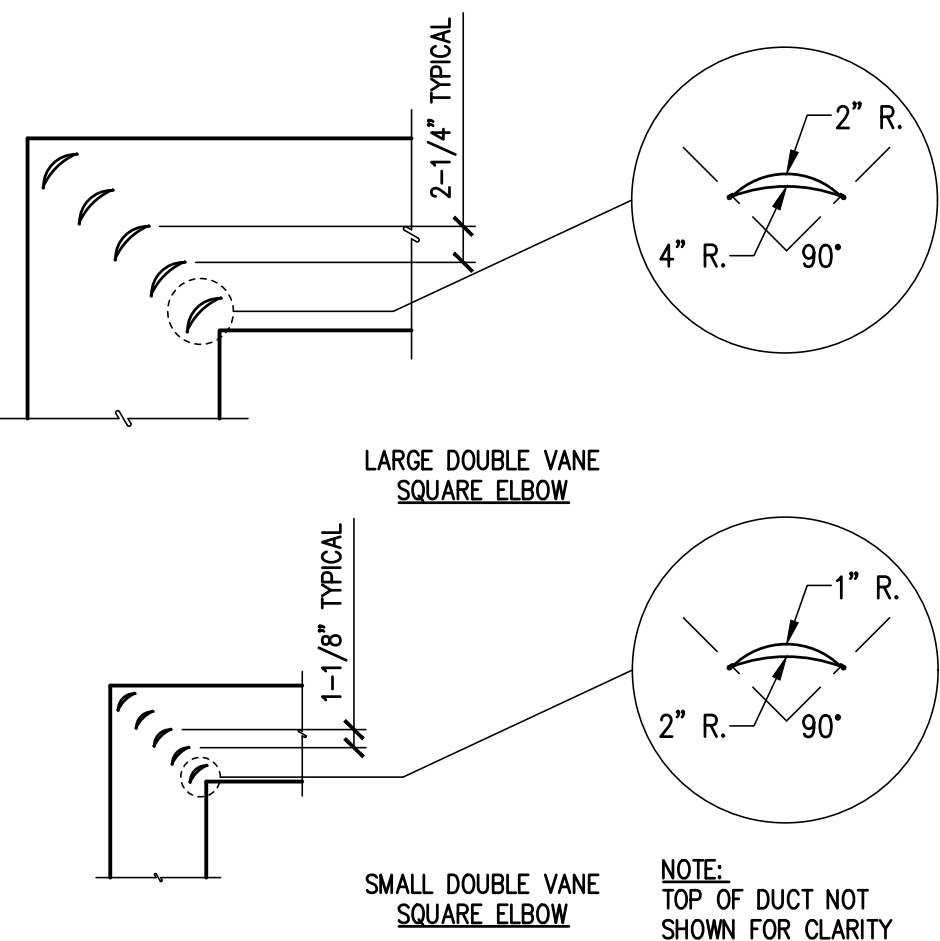


04 CEILING DIFFUSER SUPPORT

SCALE : NOT TO SCALE

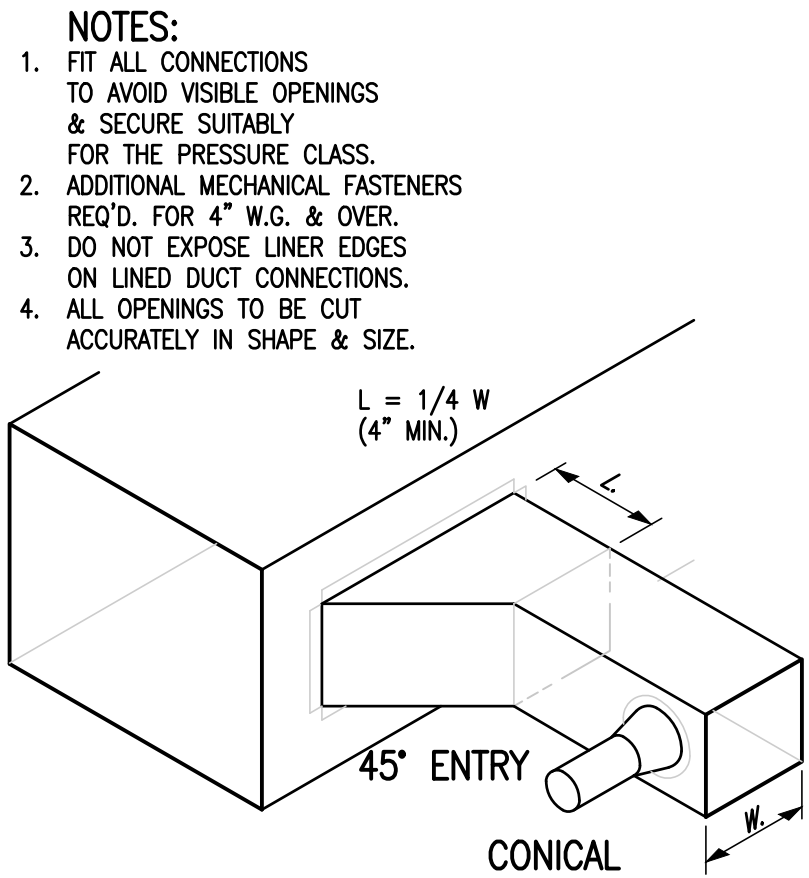
KEYED NOTES

- STRAP HANGER.
- FLEX SUPPLY DUCT, TYP.
- DUCT COLLAR (TO RETAIN ELBOW SHAPE).
- ROUND NECK ADAPTOR.
- HANGER, TYP.
- OPPOSED BLADE DAMPER (ALTERNATIVE), TYP.
- INSULATION, TYP.
- RECT. TO ROUND TRANSITION, TYP.
- VOLUME DAMPER AT TAKE-OFF (PREFERRED LOCATION), TYP.



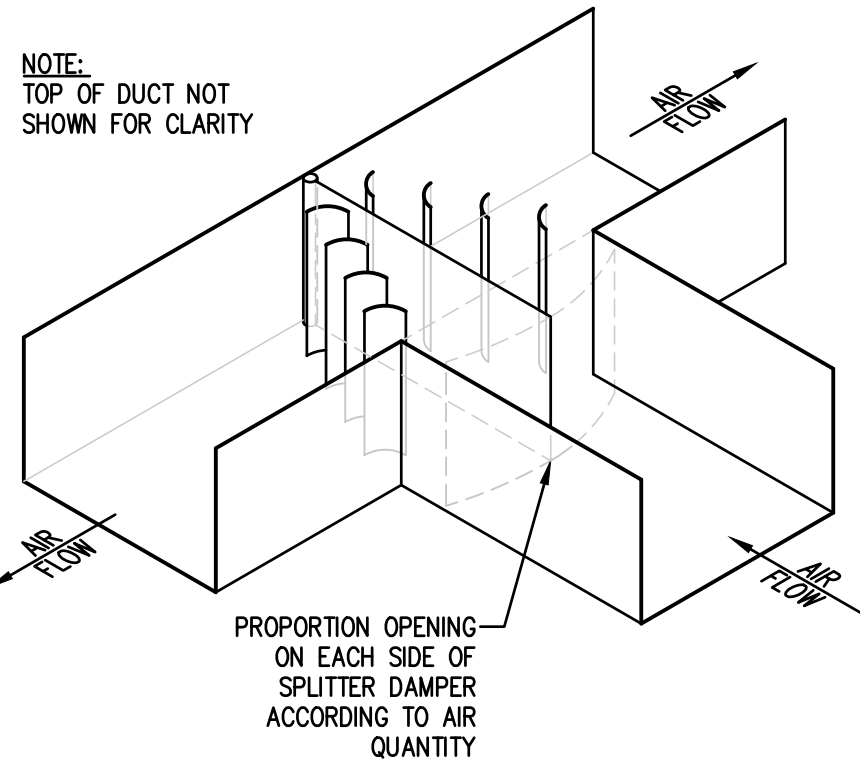
05 TYPICAL VANED DUCT ELBOWS

SCALE : NOT TO SCALE



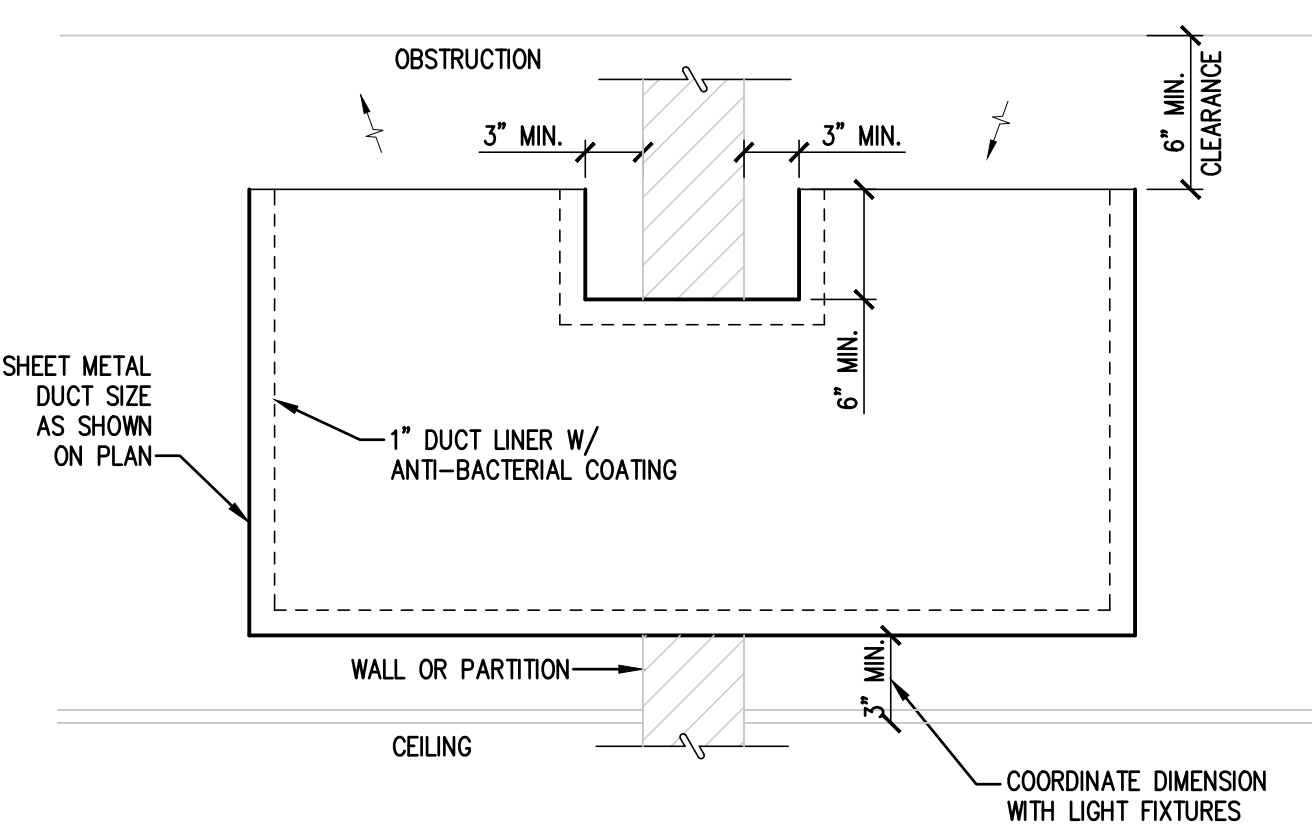
06 BRANCH CONNECTION DETAILS

SCALE : NOT TO SCALE



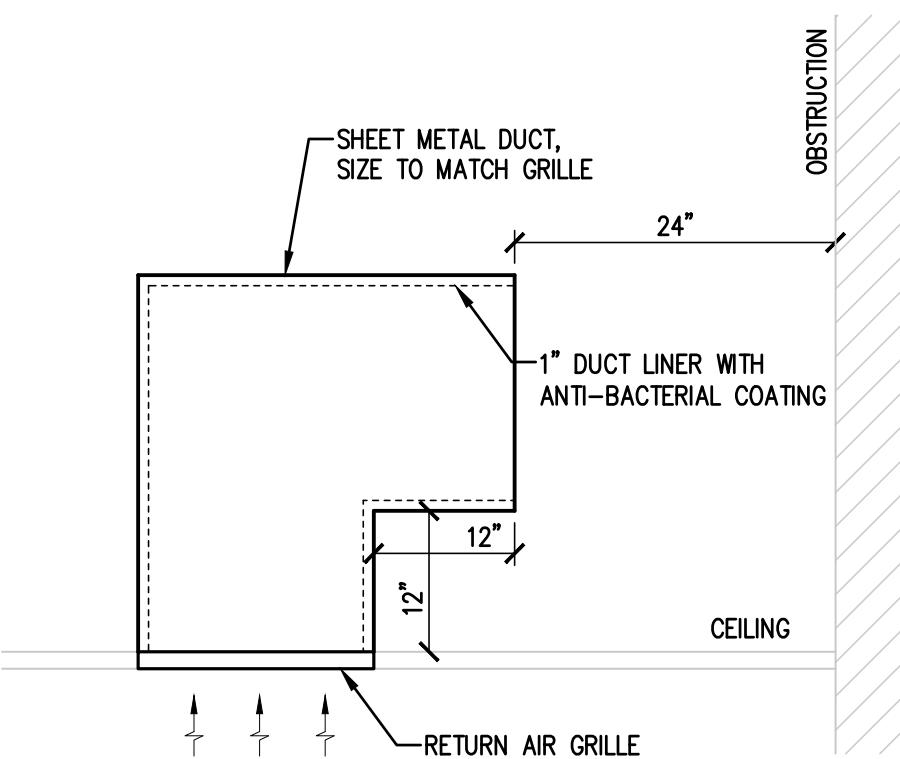
07 TYPICAL SPLITTER DAMPER

SCALE : NOT TO SCALE



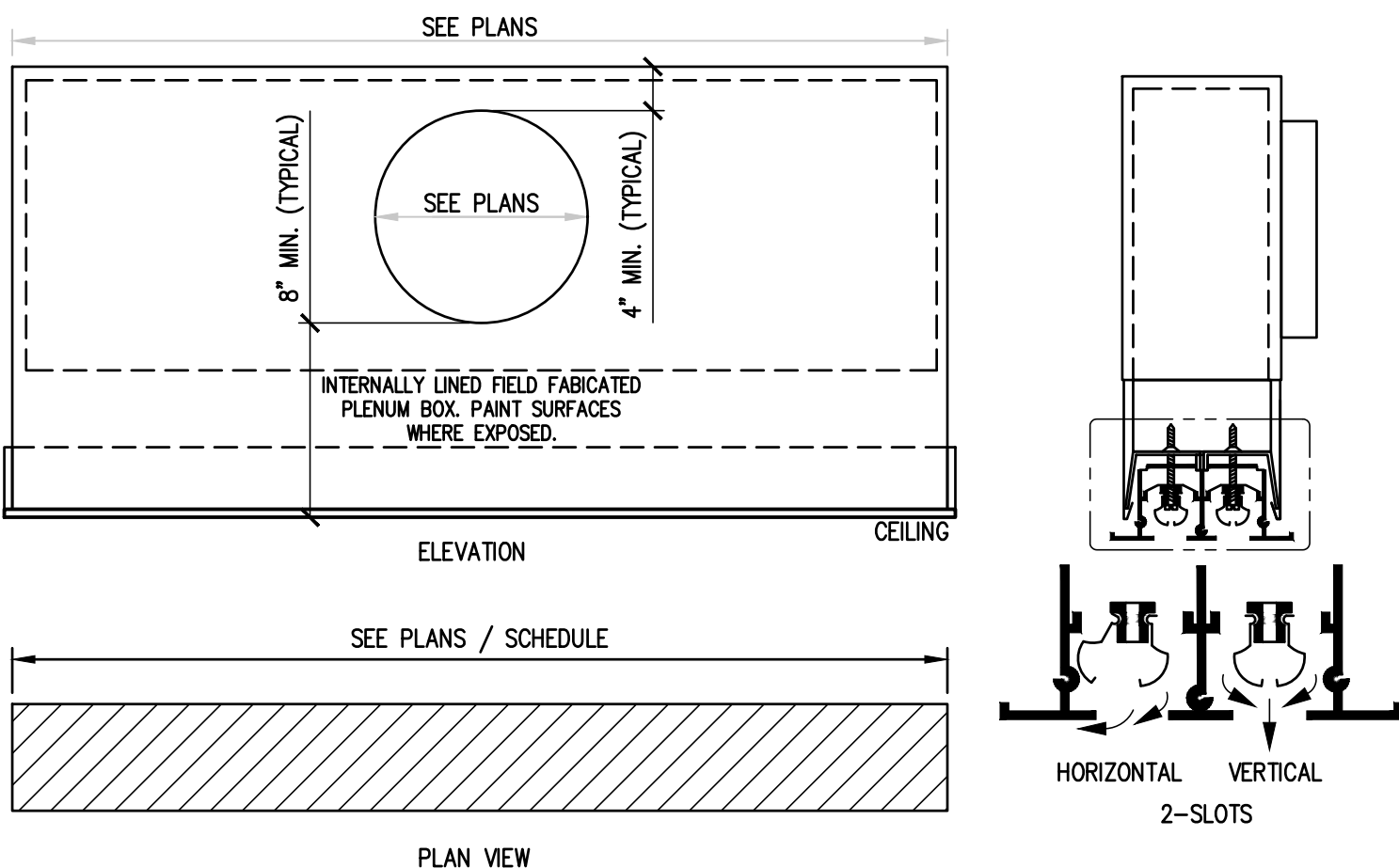
08 TRANSFER DUCT DETAIL

SCALE : NOT TO SCALE



09 RETURN AIR GRILLE SCHEMATIC

SCALE : NOT TO SCALE



10 LINEAR SLOT DIFFUSER DETAIL

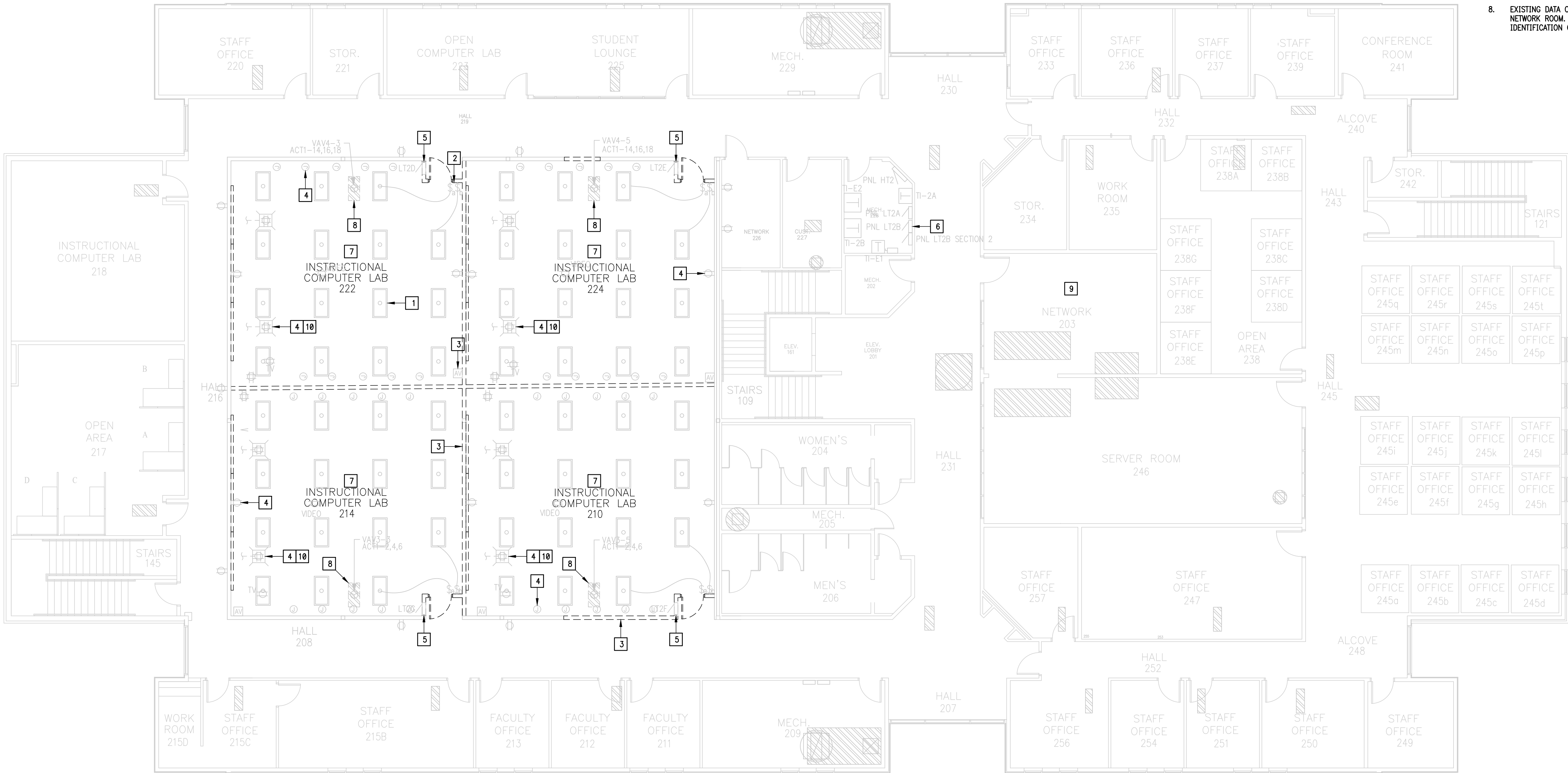
SCALE : NOT TO SCALE

D

C

B

A



01 ELECTRICAL DEMOLITION PLAN

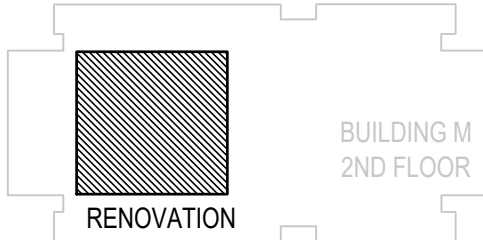
SCALE : 1/8" = 1'-0"

KEYED NOTES:

- 1 DISCONNECT EXISTING LIGHT FIXTURE FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE. PROVIDE A LIGHTING INVENTORY AS PER GENERAL NOTES - TYPICAL.
- 2 DISCONNECT EXISTING LIGHT SWITCHES FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE - TYPICAL.
- 3 DISCONNECT ALL EXISTING ELECTRICAL AND SPECIAL SYSTEMS (FIRE ALARM, INTRUSION, VOICE/DATA, ETC.) DEVICES LOCATED ON EXISTING WALLS AND CEILINGS FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE - TYPICAL.
- 4 DISCONNECT EXISTING ELECTRICAL RECEPTACLES AND JUNCTION BOXES FOR REMOVAL ALONG WITH RELATED WIRE - TYPICAL.
- 5 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE.
- 6 LOCATION OF EXISTING PANEL "LT2B".
- 7 DISCONNECT ALL EXISTING PROJECTION SCREENS FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE.
- 8 DISCONNECT EXISTING VAV FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE, DISCONNECT AND SUPPORT HARDWARE.
- 9 LOCATION OF EXISTING NETWORK ROOM.
- 10 PATCH CONCRETE FLOOR.

GENERAL NOTES:

1. REMOVED MATERIALS SHALL BELONG TO OWNER. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED MATERIALS THEN REMOVE THEM FROM SITE & PROPERLY DISPOSE OF THEM.
2. CONTRACTOR SHALL REMOVE & DISPOSE OF ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT & WIRING IN AREAS WHERE WORK IS TO TAKE PLACE, EVEN IF NOT SPECIFICALLY INDICATED IN THIS DRAWING, UNLESS NOTED OTHERWISE IN DRAWINGS.
3. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR WALLS AND CEILINGS TO BE REMOVED.
4. IF REMOVAL OF EXISTING ELECTRICAL SYSTEMS RENDERES EXISTING ELECTRICAL SYSTEMS DOWNSTREAM TO REMAIN INOPERABLE, PROVIDE J-BOXES, CONDUIT WIRING AND SPLICES ABOVE ACCESSIBLE CEILINGS IN ORDER TO CONTINUE OPERATION.
5. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PHASING REQUIREMENTS.
6. CONTRACTOR TO COOPERATE WITH OWNER DURING CONSTRUCTION OPERATION TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE. PERFORM THE WORK SO AS NOT TO INTERFERE WITH OWNERS OPERATIONS.
7. CONTRACTOR SHALL PROVIDE AN INVENTORY OF ALL EXISTING LIGHTING PRIOR TO REMOVAL. CONTRACTOR SHALL NOTE BY ROOM THE LIGHT FIXTURE TYPE & QUANTITY, LAMP TYPE AND QUANTITY PER FIXTURE. SUBMIT INVENTORY TO ENGINEER.
8. EXISTING DATA CABLING TO BE REMOVED BACK TO DATA RACK IN NETWORK ROOM. COORDINATE WITH OWNER FOR REMOVAL AND IDENTIFICATION OF DATA CABLING.



KEY PLAN



THESE DRAWINGS AND SPECIFICATIONS ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY MAY NOT BE REPRODUCED, REPRODUCED OR ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL FROM AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.

Boultinghouse
Simpson
Gates
ARCHITECTS

3301 N MCCOY RD | ARLING, TX 76010 | P 956.630.3494 | F 956.630.2058



ELECTRICAL DEMOLITION PLAN

PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010

OWNER
SOUTH TEXAS COLLEGE

PROJECT ADDRESS
3200 W PECAN BOULEVARD, ARLING, TEXAS

ISSUE DATE
AUGUST 12, 2019

PROJECT NO
1904
REVISIONS

SHEET NUMBER
DE1.01

SCOPE OF WORK:

1. GENERAL: THE "SOUTH TEXAS COLLEGE – BUILDING 'M' INFORMATION TECHNOLOGY BUILDING OFFICE AND WORKSPACE RENOVATION" CONSISTS OF AN EXISTING BUILDING REMODEL APPROXIMATELY 4,286 FT2.
2. ELECTRICAL: PROVIDE ALL MATERIALS AND LABOR ASSOCIATED WITH COMPLETE OPERATIONAL ELECTRICAL DISTRIBUTION SYSTEM. MAJOR ITEMS OF WORK INCLUDE, BUT ARE NOT LIMITED TO:
 - (a) ELECTRICAL SERVICE: EXISTING DISTRIBUTION PANELBOARDS TO REMAIN WITH MODIFICATIONS.
 - (b) DEMOLITION: PROVIDE AS NOTED ON DRAWINGS.
 - (c) LIGHTING SYSTEMS: INTERIOR LIGHTING SYSTEM SHALL CONSIST OF LED TYPE.
 - (d) POWER SYSTEMS: PROVIDE MISCELLANEOUS DUPLEX RECEPTACLES AND CONNECTIONS FOR H.V.A.C. EQUIPMENT.
 - (e) FIRE ALARM SYSTEM: EXPAND/MODIFY EXISTING ADDRESSABLE CONTROL CAPABILITIES TO ACCOMMODATE NEW INDICATING AND INITIATING DEVICES. INDICATING DEVICES SHALL BE PROVIDED TO COMPLY WITH TDLR.
 - (f) COMMISSIONING: PROVIDE FOR THE LIGHTING EQUIPMENT AND LIGHTING CONTROLS AS REQUIRED PER IECC 2015.
 - (g) COMMUNICATION AND DATA PROCESSING EQUIPMENT: PROVIDE ROUGH-INS ONLY. CABLING, CONNECTORS, PATCH PANELS, RACKS, ETC. BY OWNER.

SUBMITTALS

1. MISCELLANEOUS ELECTRICAL – SUBMITTAL #1
 - a. 260519 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
 - b. 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
 - c. 260529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
 - d. 260533 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
 - e. 260563 IDENTIFICATION FOR ELECTRICAL SYSTEMS
 - f. 260544 SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING
 - g. 262726 WIRING DEVICES
2. ELECTRICAL GEAR SUBMITTAL #4
 - a. 262816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
3. LIGHT FIXTURES SUBMITTAL #5
 - a. 265116 INTERIOR LIGHTING
 - b. 265219 EMERGENCY AND EXIT LIGHTING
 - c. 260923 LIGHT CONTROL DEVICES
4. SPECIAL SYSTEMS: SUBMITTAL #6
 - a. 267210 FIRE ALARM SYSTEM
5. ELECTRICAL COMMISSIONING SUBMITTAL #7
 - a. 260800 COMMISSIONING FOR ELECTRICAL SYSTEMS

GENERAL NOTES:

1. COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
2. FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY WORK.
3. COORDINATE ELECTRICAL, MECHANICAL AND PLUMBING WITH GENERAL CONSTRUCTION.
4. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
5. FIELD VERIFY/SPOT EXACT LOCATIONS AND EXISTING CONDITIONS OF EXISTING PLUMBING, AND ELECTRICAL. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE AND WORKABLE SYSTEMS. SHOULD BIDDER FIND OMISSIONS OR DISCREPANCIES IN THE PLANS, BIDDER SHALL NOTIFY THE ENGINEER PRIOR TO THE BID DATE AND A WRITTEN CLARIFICATION WILL BE ISSUED.
6. DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTORS ARE REQUIRED TO SEARCH AND INVESTIGATE FOR EXISTING UTILITIES.
7. ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT, WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
8. PROVIDE J-BOXES AS REQUIRED FOR PULL WIRING.
9. PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
10. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
11. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
12. NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
13. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
14. SEAL AROUND ELECTRICAL RACEWAYS AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.
15. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING PHASE.
16. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
17. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
18. AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
19. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH MECHANICAL AND PLUMBING CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.
20. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
21. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
22. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
23. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
24. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

LIGHTING SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	2'x2' LIGHT FIXTURE – TYPE AS NOTED	- - - -
	EMERGENCY 2'x2' LIGHT FIXTURE–TYPE AS NOTED CONNECT BATTERY PACK TO BE ON AT ALL TIMES (UNSWITCHED)	- - - -
	PENDANT OR RECESSED LIGHT FIXTURE – TYPE AS NOTED	- - - -
	SINGLE FACE EXIT SIGN CEILING OR WALL MOUNTING (DIRECTIONAL ARROWS WHERE INDICATED)	12" ABV. EGRESS OPENING

NOTES:

- 1.) REFERENCE LIGHT FIXTURE SCHEDULE FOR ALL MOUNTING HEIGHTS.

WIRING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	DUPLEX RECEPTACLE TAMPER RESISTANT – HUBBELL MODEL #8300XTR	18" AFF
	JUNCTION BOX W/ BLANK COVERPLATE	AS REQUIRED
	DUPLEX RECEPTACLE FOR FLAT SCREEN – HUBBELL MODEL #CR5352X SEE FLAT SCREEN SPECIAL SYSTEMS SYMBOL FOR BACK BOX	72" AFF
	DUPLEX RECEPTACLE TAMPER RESISTANT – HUBBELL MODEL #8300XTR MOUNT 0 +4" HORIZONTALLY ABOVE COUNTER BACKSPLASH (U.N.O.)	4" ACB
	QUADPLEX RECEPTACLE	48" AFF
	1P TOGGLE SWITCH-THERMAL TYPE – CUTLER HAMMER "MS" SERIES W/ RED PILOT LIGHT & HANDLE GUARD/LOCK OFF WITHOUT OVERLOADS.	AS REQUIRED

NOTES:

- 1.) U.N.O. INDICATES UNLESS NOTED OTHERWISE.
18" AFF INDICATES TO TOP OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

GENERAL SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	DISCONNECT SWITCH – FUSED	AS REQUIRED
	EQUIPMENT CONNECTION	AS REQUIRED
	CONDUIT OR EMT HOMERUN TO PANELBOARD CONCEALED IN WALLS OR ABOVE CEILING. LONG CROSSMARKS DENOTE NUMBER OF "HOT" CONDUCTORS SHORT CROSSMARKS INDICATE NEUTRALS AND DOTS INDICATE NUMBER OF GROUND CONDUCTORS. ARROW INDICATES HOME RUN TO ELECTRICAL PANEL.	AS REQUIRED
	ELECTRICAL PANELBOARD – SURFACE MOUNTED	AS REQUIRED

FLOOR BOX SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	POKE-THROUGH FLOOR BOX W/ COVER PLATES FOR WIRING DEVICES AS INDICATED. PROVIDE SPECIAL SYSTEMS RACEWAYS AS NOTED ON A/V DRAWINGS AND A 1" RACEWAY FOR DATA. PROVIDE BLANK COVERS FOR UNUSED COMPARTMENTS – WIREMOLD MODEL LEGRAND BATC2PAA.	FLOOR

NOTES:

- 1.) TOP OF FLOOR BOX TO BE FLUSH WITH FINISHED FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FLOOR TYPES.
RACEWAYS TO RISE UP AT NEAREST INTERIOR WALL STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE CEILING UNO.

FIRE ALARM SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	FIRE ALARM MANUAL PULLSTATION – PROVIDE BACKBOX WITH 1/2" C AND PULLWIRE.	48" AFF
	FIRE ALARM STROBE HORN CEILING OR WALL MOUNTED – PROVIDE 15/75 CANDELA U.N.O. – PROVIDE BACKBOX WITH 1/2" C AND PULLWIRE.	80" AFF
	FIRE ALARM STROBE LIGHT CEILING OR WALL MOUNTED – PROVIDE BACKBOX WITH 1/2" C AND PULLWIRE.	80" AFF
	FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED – PROVIDE BACKBOX WITH 1/2" C AND PULLWIRE.	CLG.

NOTES:

- 1.) 48" AFF INDICATES TO TOP OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

SPECIAL SYSTEMS SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	3–GANG FLAT SCREEN OUTLET – PROVIDE LARGE CAPACITY WALL BOX HUBBELL MODEL NO. HBL263 WITH 1.5" RACEWAY STUBBED INTO ACCESSIBLE CLG., PULL WIRE, MUD RING AND HBL981 LOW VOLTAGE DIVIDER.	72" AFF
	VOICE OVER IP/DATA OUTLET – PROVIDE BACK BOX W/ 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. W/ PULL WIRE – SEE DETAIL.	18" AFF
	PROVIDE LARGE CAPACITY WALL BOX CHIEF MODEL NO. PAC525FC WITH FLANGE COVER AND 1.5" RACEWAY STUBBED INTO ACCESSIBLE CLG., PULL WIRE, MUD RING AND HBL981 LOW VOLTAGE DIVIDER.	66" AFF
	WIRELESS ACCESS POINT – PROVIDE BACK BOX WITH 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. WITH PULL WIRE – SEE DETAIL.	CLG.

NOTES:

- 1.) 48" AFF INDICATES TO TOP OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

ACUITY CONTROL SYMBOLS:

	VACANCY DIMMING WALL SENSOR SWITCH – ACUITY MODEL #WSX PDT D SA X. PROVIDE 0–10V SIGNAL WIRE IN RACEWAY FROM SWITCH TO EACH CONTROLLED LIGHT FIXTURE.	48" AFF
	DIMMING/TOGGLE WALL SWITCH STATION – nLIGHT MODEL #nPDM 4P DX X. PROVIDE CAT5 CONTROL WIRE IN RACEWAY FROM SWITCH TO POWER PACK.	48" AFF
	nPOD KEY DIGITAL KEYSWITCH ON/OFF TOGGLE	48" AFF
	POWER/RELAY PACK – nLIGHT MODEL #nPPI6 DS. PROVIDE 0–10V SIGNAL WIRE IN RACEWAY FROM POWER PACK TO EACH CONTROLLED LIGHT FIXTURE.	ABV. CLG.
	DUAL TECH 360° STANDARD RANGE VACANCY SENSOR – nLIGHT MODEL #nCM PDT 9. PROVIDE CAT5 CONTROL WIRE FROM SENSOR TO POWER PACK.	CLG.

NOTES:

- 1.) 48" AFF INDICATES TO TOP OF DEVICE; ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF
DEVICE. REFERENCE LIGHTING CONTROL SCHEMATIC DETAILS FOR ALL nLIGHT CONTROLS WIRING
REQUIREMENTS.

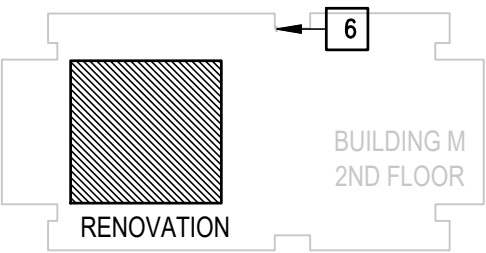
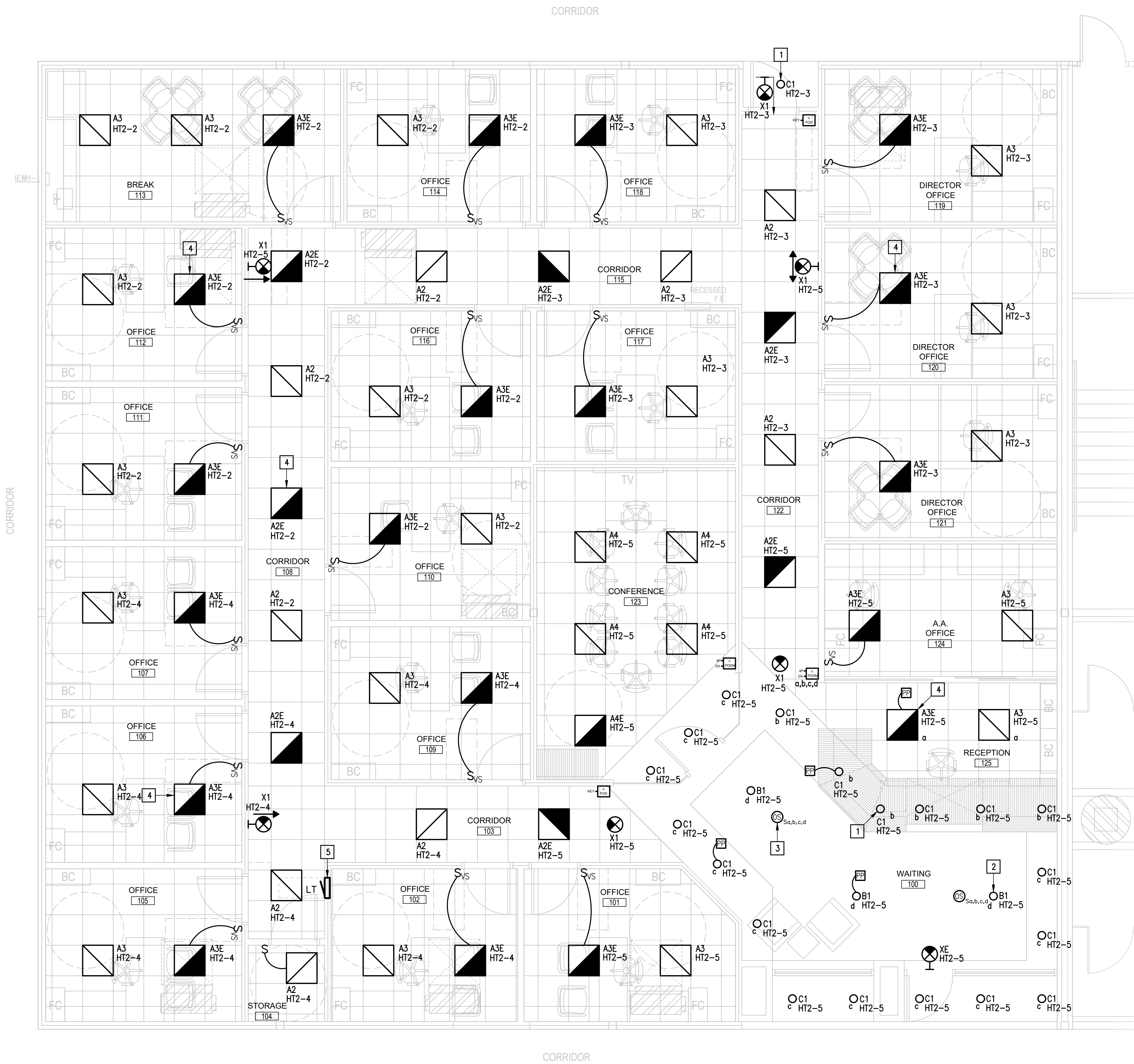
ABBREVIATIONS:

A	AMPS	EF	EXHAUST FAN	INT.	INTRUSION DETECTION
ABC	ABOVE CEILING LINE	EXT.	EXTERNAL OR EXTERIOR	NTS	NOT TO SCALE
AC	ABOVE COUNTER BACKSPLASH	FACP	FIRE ALARM CONTROL PANEL	MECH	MECHANICAL
ACCU	AIR COOLED CONDENSING UNIT	FCU	FAN COIL UNIT	PH	PHASE
AFF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	RM.	ROOM
B.	BOTTOM	FS	FLAT SCREEN	SS	STAINLESS STEEL
BLC.	BELOW CEILING LINE	G.	GROUND	TSTAT	THERMOSTAT
C.	CONDUIT OR COMMON	GA.	GAGE	UG	UNDERGROUND
CLG.	CEILING	GRND.	GROUND	UNO	UNLESS OTHERWISE NOTED
COND.	CONDUIT	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	V	VOLTS
IG	ISOLATED GROUND			W	WIRE

SHEET TITLE
LIGHTING PLAN
PROJECT NAME
PEDAC CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
1000 UNIVERSITY BLVD. EL PASO, TEXAS 79968

KEYED NOTES:

- 1 CONNECT TO EXISTING CIRCUIT FOR ADJACENT CORRIDOR LIGHTING.
- 2 SUSPEND LIGHT FIXTURE TYPE 'B1' AT 8'-0" AFF TO BOTTOM OF FIXTURE - TYPICAL.
- 3 PROVIDE THREADED ROD SUSPEND DEVICE TYPICAL. BOTTOM OF DEVICE SHALL MATCH HVAC DIFFUSERS - TYPICAL.
- 4 CONNECT EMERGENCY BATTERY PACK TO BE CHARGING AT ALL TIMES (UNSWITCHED). LIGHT FIXTURE SHALL BE OPERATED BY THE CORRESPONDING SWITCH - TYPICAL.
- 5 NEW PANEL "LT".
- 6 LOCATION OF EXISTING PANEL "HT2". REFER TO KEYPLAN.



KEYPLAN



119 W. VAN BUREN AVE. STE.101
PHONE: 956-230-3435
TEXAS REGISTERED
ENGINEERING FIRM
E-15998

01 LIGHTING PLAN

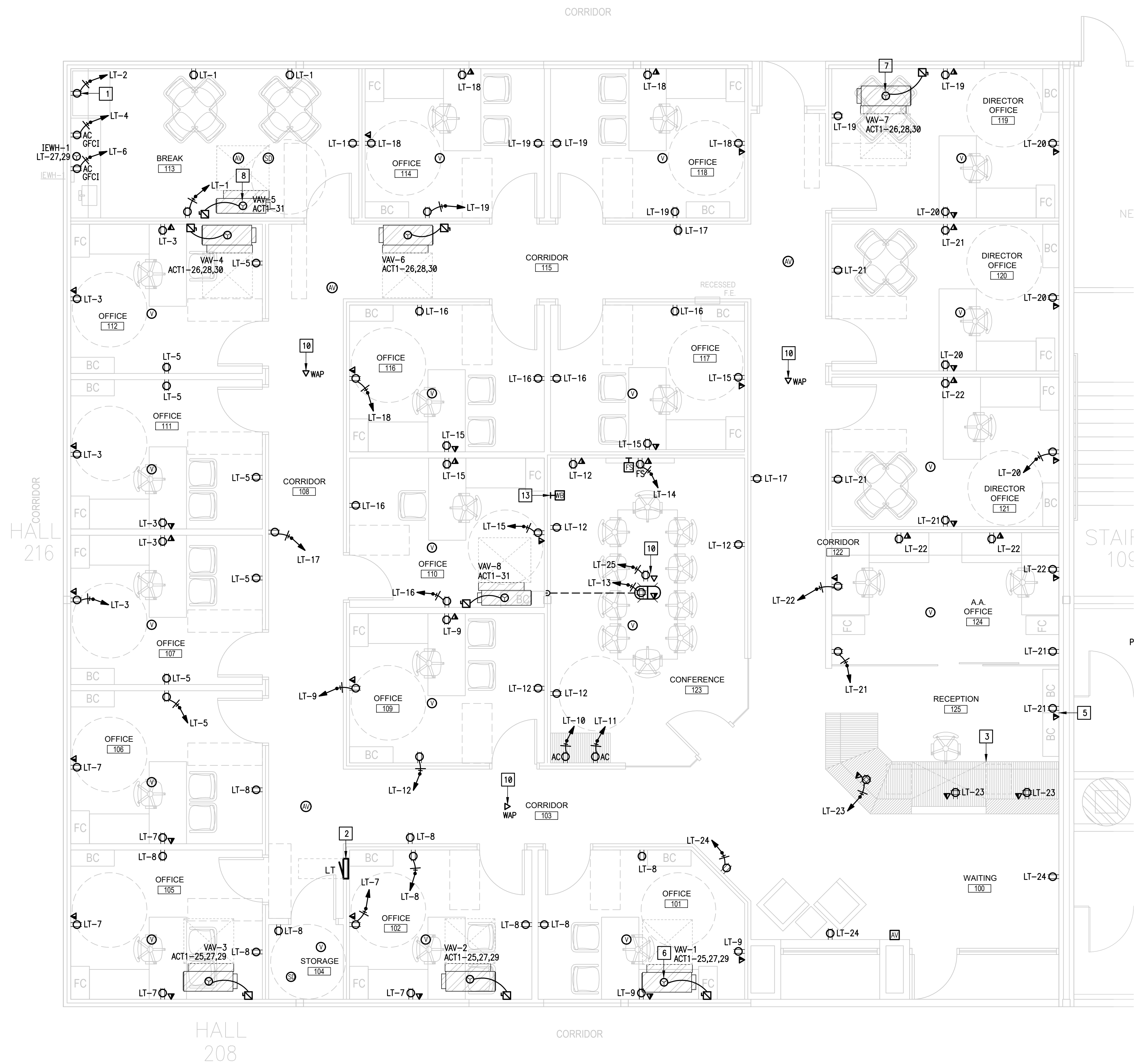
ISSUE DATE
AUGUST 12, 2019

PROJECT NO
1904

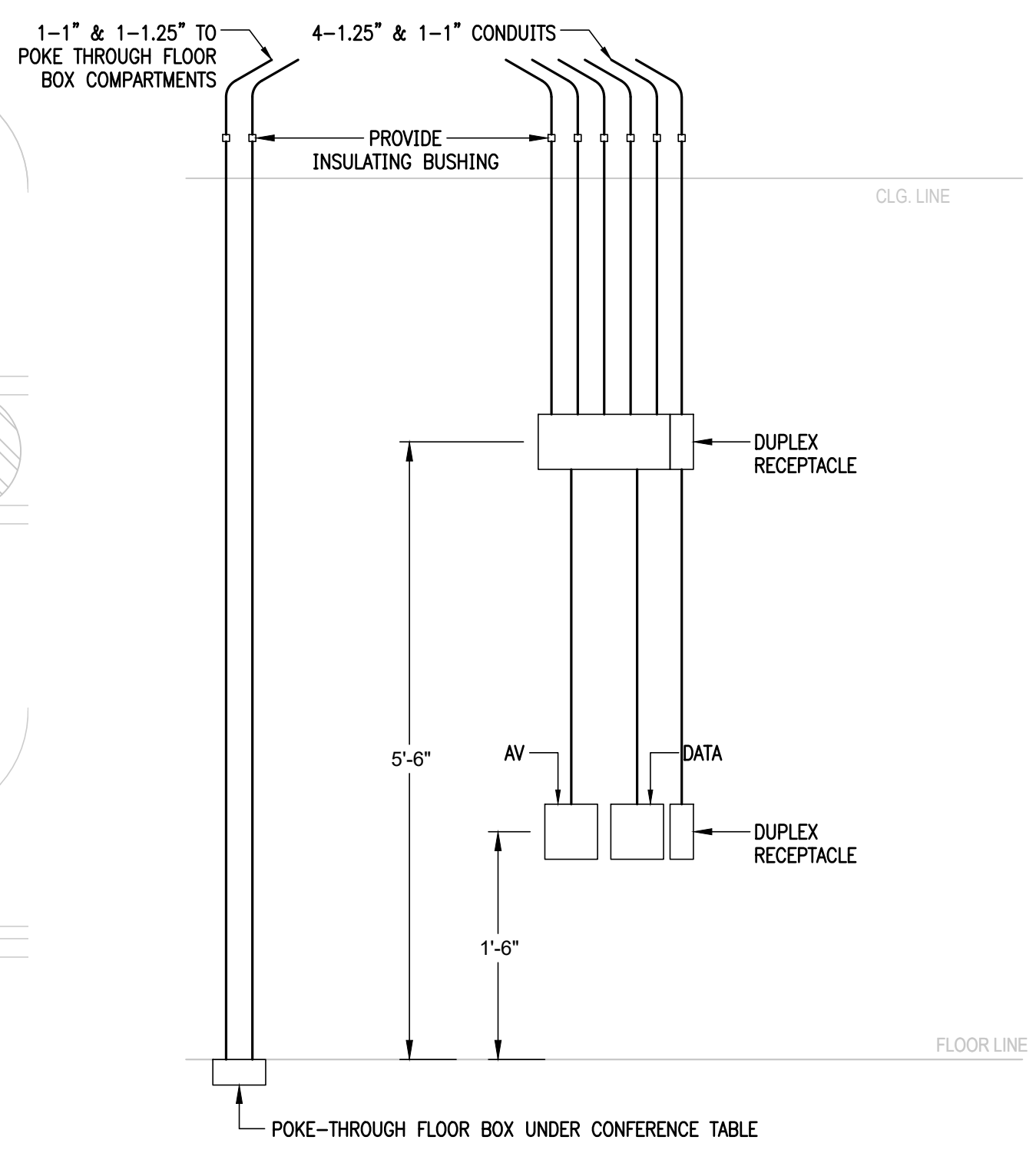
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SHEET NUMBER

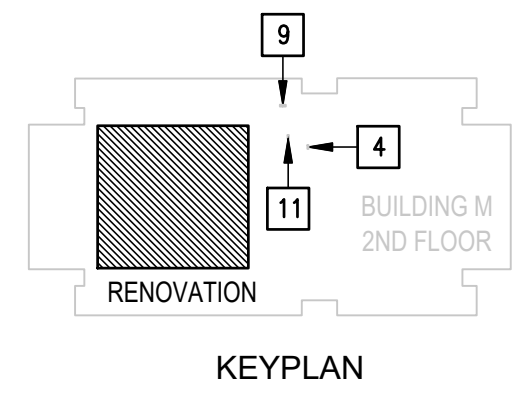
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01 ELECTRICAL PLAN
SCALE : 1/4" = 1'-0"



02 WALL BOX DETAIL
SCALE : NOT TO SCALE



GENERAL NOTES:

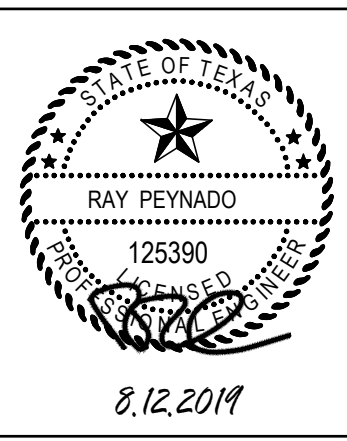
1. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" - 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
2. HOMERUNS - INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND".
3. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
4. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.
4. PAINT ALL EXPOSED RACEWAYS, HANGERS, BOXES, SUPPORTS AND ACCESSORIES IN INTERIOR AND EXTERIOR EXPOSED AREAS. COORDINATE PAINT TYPE, COLOR AND SCOPE OF WORK WITH ARCHITECT. LABEL BOXES ON INTERIOR OF PLATE COVER IF PAINTED.
5. ALL RACEWAYS IN EXPOSED CEILING AREAS SHALL BE CONCEALED TO MAXIMUM EXTENT POSSIBLE. CONCEAL RACEWAYS ABOVE SUSPENDED CEILING CLOUDS WHERE POSSIBLE. HORIZONTAL RACEWAY RUNS SHALL BE ROUTED BETWEEN STRUCTURAL STEEL Z-PURLINS.

KEYED NOTES:

- 1 CONNECT REFRIGERATOR.
- 2 NEW PANEL "LT" (FLUSH MOUNTED FACING HALLWAY).
- 3 PROVIDE GROMMETS THROUGH COUNTERTOP TO ACCESS RECEPTACLES BELOW COUNTER INSIDE KNEE SPACE.
- 4 LOCATION OF EXISTING PANEL "L12B". REFER TO KEY PLAN.
- 5 COORDINATE WITH MILLWORK. INSTALL AT 4" ABOVE TOP OF BOOKCASE.
- 6 PROVIDE 20A/3P BREAKER IN PANEL ACT1 TO FEED VAV-1,2, AND 3 BRANCH CIRCUIT 1/2" - 3#12 & #12G. PROVIDE A DISCONNECT: 30A, 3PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- 7 PROVIDE 20A/3P BREAKER IN PANEL ACT1 TO FEED VAV-4,6, AND 7. BRANCH CIRCUIT 1/2" - 3#12 & #12G. PROVIDE A DISCONNECT: 30A, 3PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- 8 PROVIDE 20A/1P BREAKER IN PANEL ACT1 TO FEED VAV-5, AND 8. BRANCH CIRCUIT 1/2" - 2#12 & #12G. PROVIDE A DISCONNECT: 30A, 2PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- 9 LOCATION OF EXISTING PANEL "ACT1". REFER TO KEY PLAN.
- 10 CEILING MOUNT.
- 11 LOCATION OF EXISTING FIRE ALARM CONTROL PANEL. REFER TO KEYPLAN.
- 12 CONNECT INSTANTANEOUS WATER HEATER BELOW COUNTER. BRANCH CIRCUIT: 3/4" - 2/10 & #10G. PROVIDE A THERMAL SWITCH. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- 13 PROVIDE WALL BOX; REFER TO DETAIL 02.

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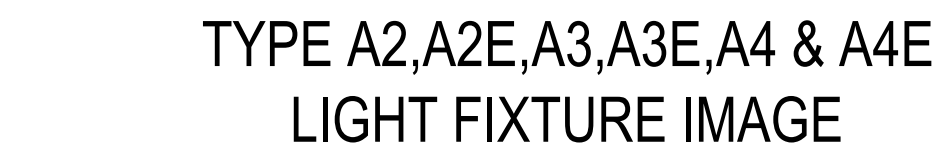


ELECTRICAL PLAN
PROJECT NAME: PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER: SOUTH TEXAS COLLEGE
PROJECT ADDRESS: 3200 W PECAN BOULEVARD, McALLEN, TEXAS

ISSUE DATE:
AUGUST 12, 2019

PROJECT NO	1904
REVISIONS	

SHEET NUMBER
E4.01



TYPE X1
LIGHT FIXTURE IMAGE

TYPE B1
LIGHT FIXTURE IMAGE

TYPE C1
LIGHT FIXTURE IMAGE

WALL SWITCH STATION
TYPE nPODM DX

05 SCALE : NOT TO SCALE



06 SCALE : NOT TO SCALE



07 SCALE : NOT TO SCALE



08 SCALE : NOT TO SCALE

GENERAL NOTES:

1. OTHER LIGHT FIXTURE MANUFACTURERS THAN THOSE LISTED ON THIS SCHEDULE ARE REQUIRED TO OBTAIN PRIOR APPROVAL BY SUBMITTING CUT SHEETS OF THEIR SUBSTITUTIONS AT LEAST (10) DAYS PRIOR TO BID. CUT SHEETS SHALL INDICATE/HIGHLIGHT PHOTOMETRIC CURVE, EFFICIENCY & CONSTRUCTION FOR DIRECT COMPARISON WITH SPECIFIED FIXTURES.
2. EXTRA MATERIALS: SEE SPECIFICATIONS.
3. EMERGENCY BATTERY PACKS SHALL BE COMPLETE FACTORY INSTALLED WITH NI-CAD BATTERY, CHARGER INDICATING LIGHT, ELECTRONIC CIRCUITRY, 1400 LUMENS OUTPUT, 90 MINUTES DURATION & FIVE FULL YEARS WARRANTY.
4. FURNISH ALL 2' X 2' LAY-IN LIGHT FIXTURES WITH INTEGRAL CEILING CLIPS.

PARTIAL RISER DIAGRAM

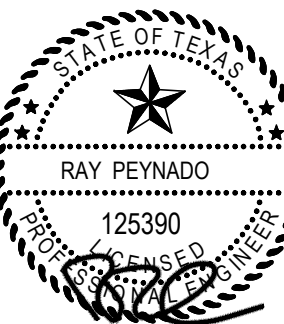
09 SCALE : NOT TO SCALE

ELECTRICAL RISER DIAGRAM
KEYED NOTES:

- 1 EXISTING PANEL TO BE DEMOLISHED.
- 2 EXISTING FEEDER TO BE DEMOLISHED.
- 3 PROVIDE NEW PANEL; REFER TO PANEL SCHEDULE.
- 4 PROVIDE NEW FEEDER; 2" - 4#1/0 #66.
- 5 EXISTING PANEL "L72B"; REMOVE 2-60A/3P BREAKER AND PROVIDE 1-150A/3P BREAKER; FOR PANEL "L7", 2 - 60A/3P BREAKER TO REMAIN AS SPARES; PROVIDE AN UPDATED TYPE-WRITTEN DIRECTORY; INCLUDE ROOM NAMES.

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ARCHITECTS



8.12.2019

SHEET TITLE
ELECTRICAL SCHEDULES

PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010

OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS

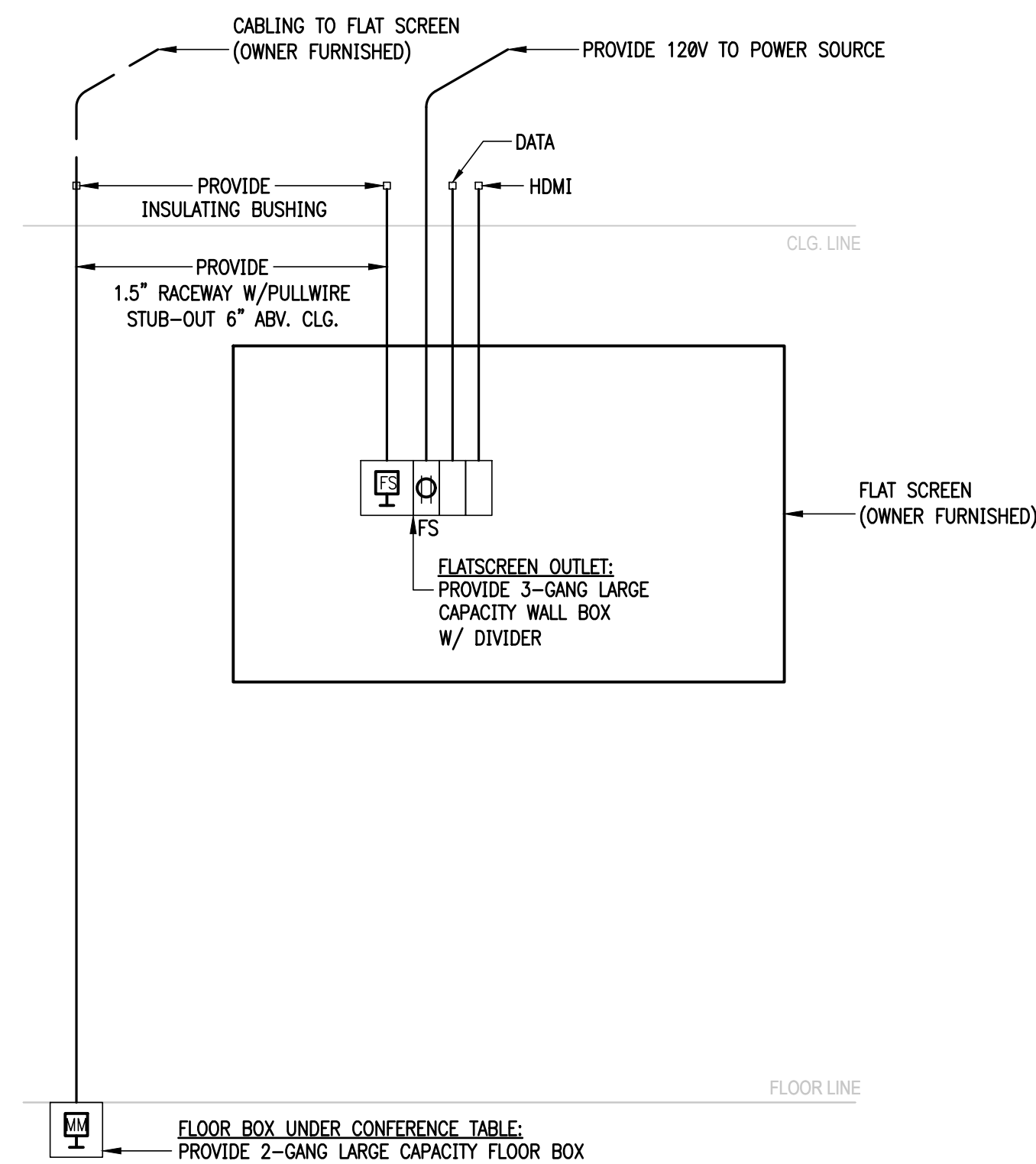
ISSUE DATE
AUGUST 12, 2019

PROJECT N°
1904

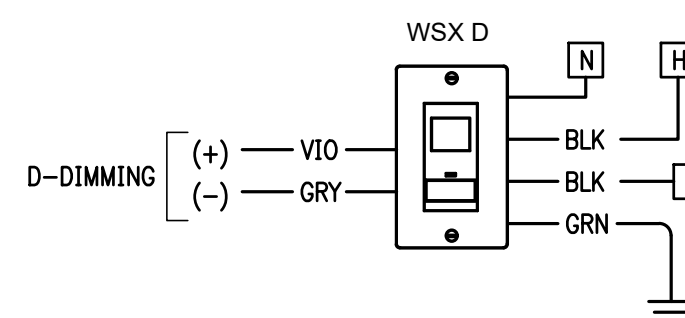
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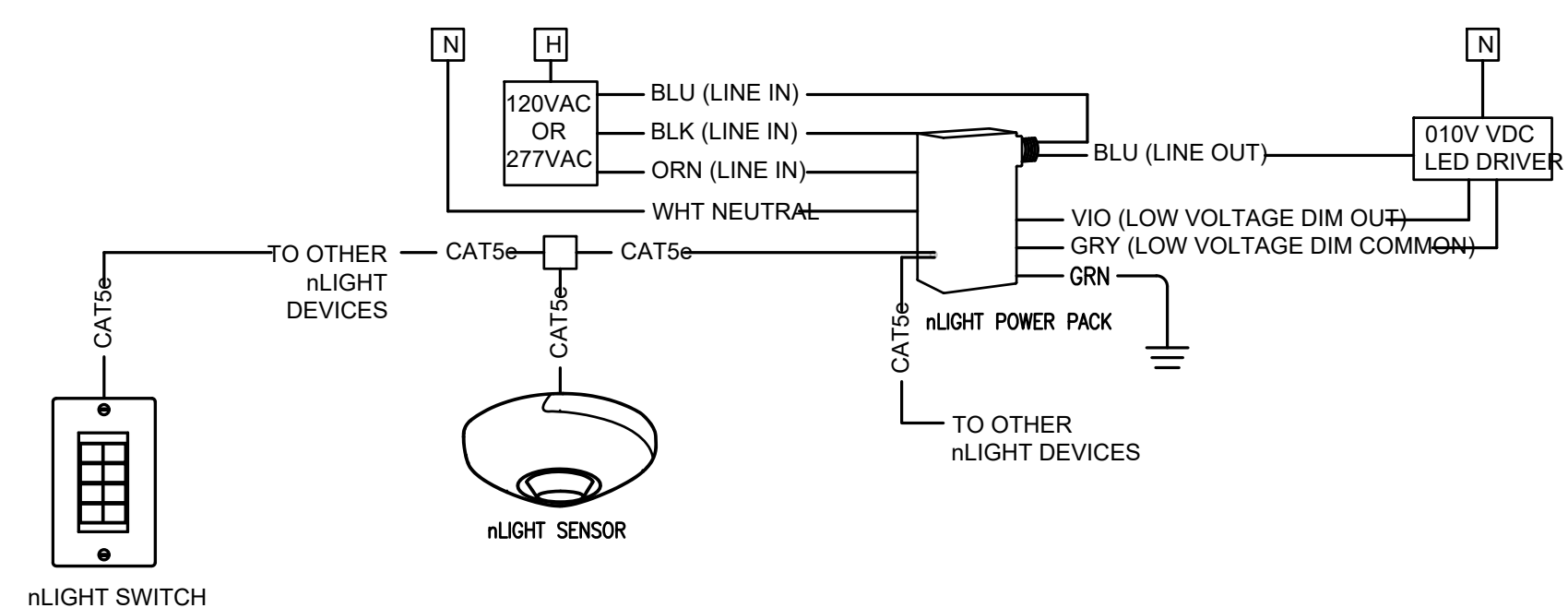
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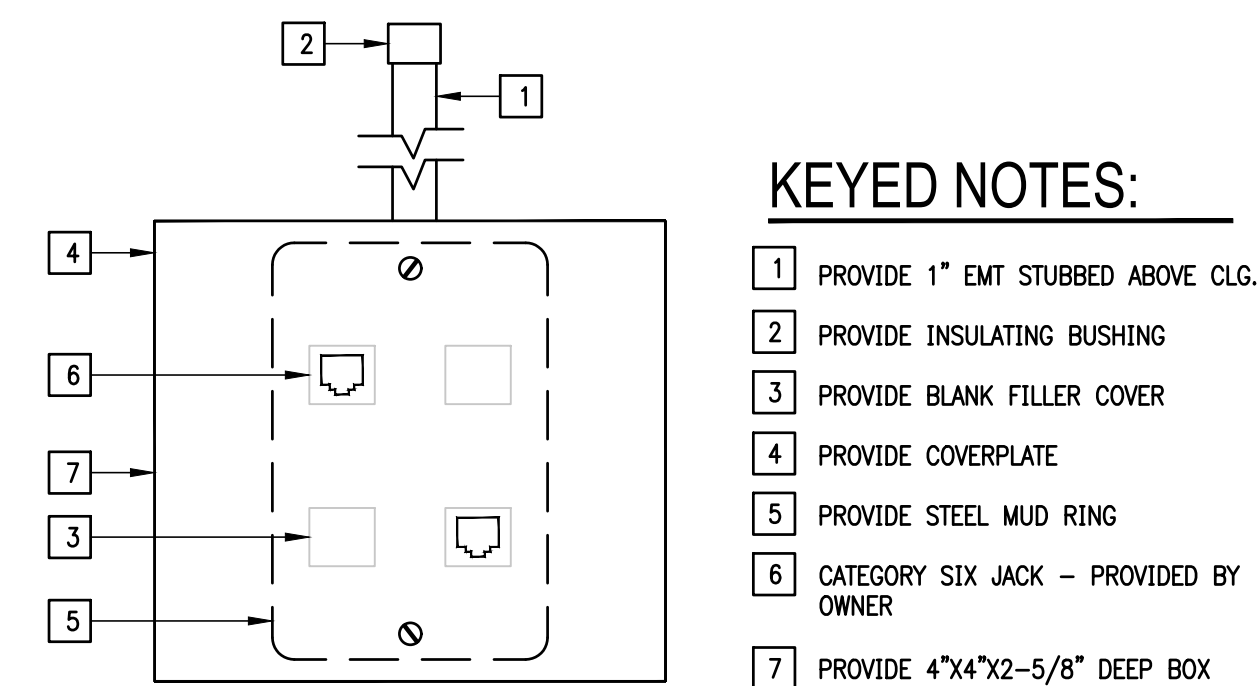
01 TYPICAL
FLAT SCREEN DETAIL



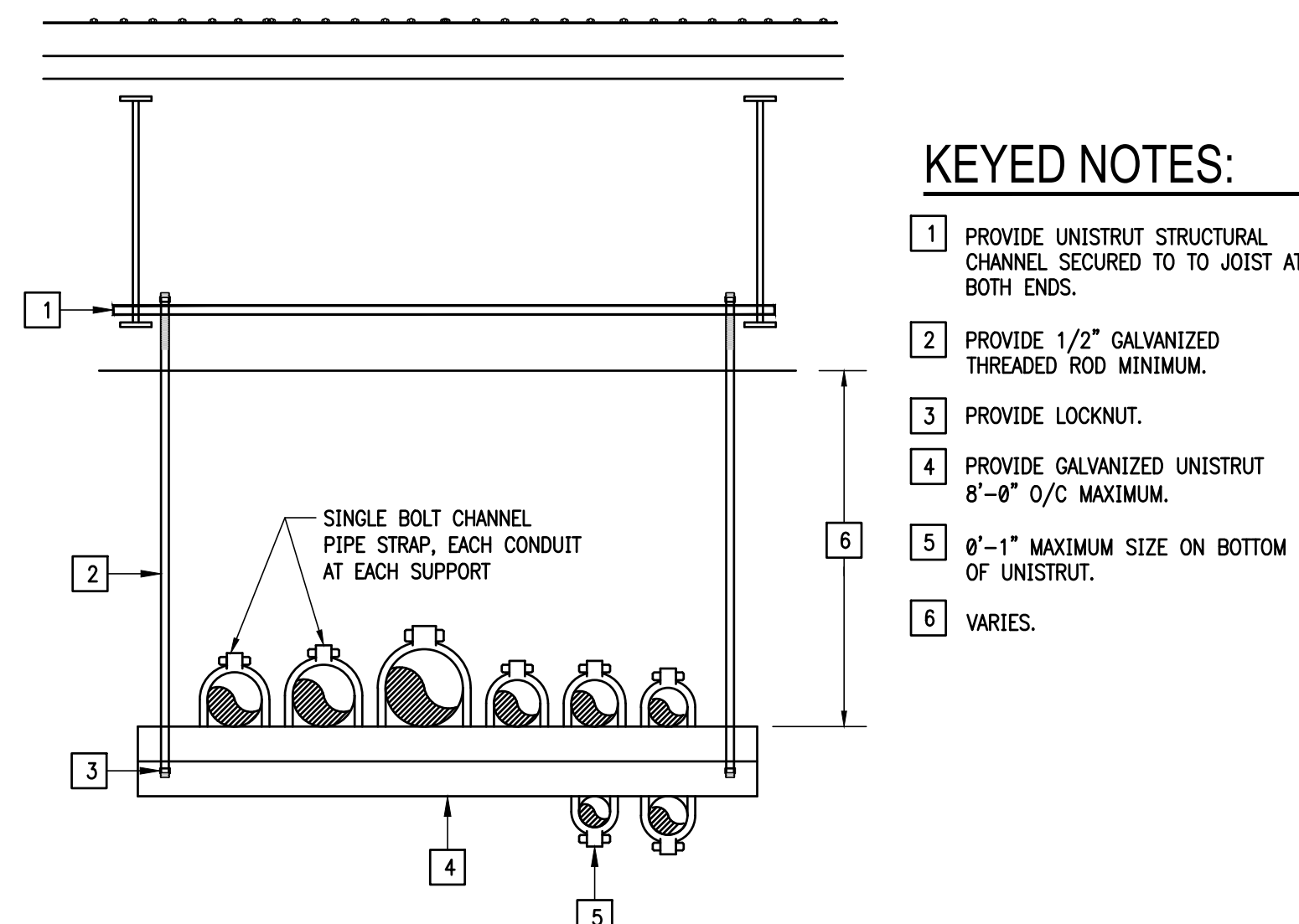
VACANCY WALL SWITCH SENSOR WIRING DETAIL



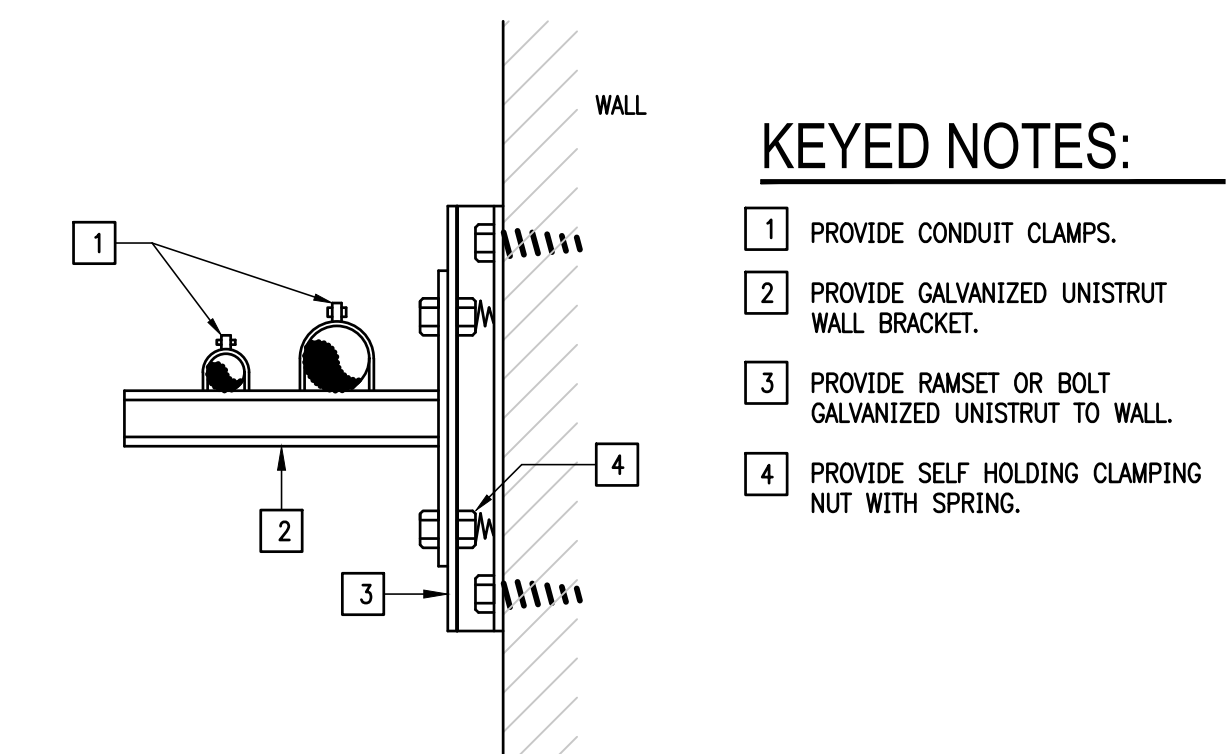
07 VACANCY SENSOR & POWER PACK
WIRING DETAIL



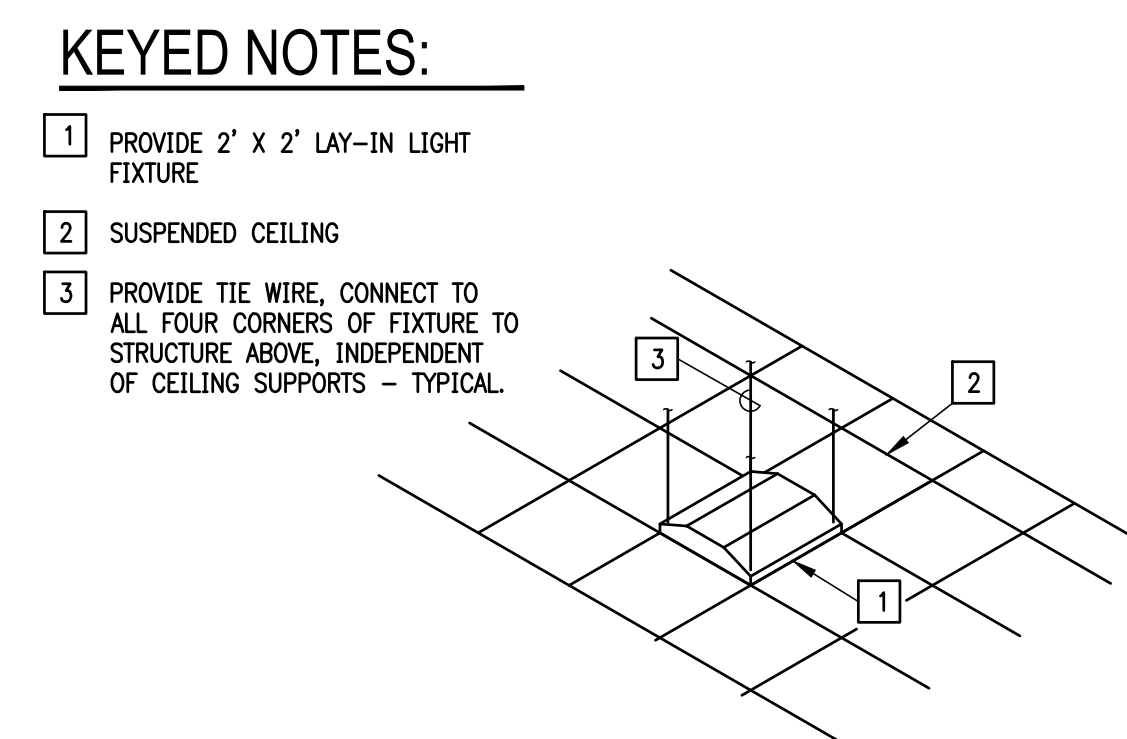
02 TYPICAL DATA/TELEPHONE
OUTLET DETAIL



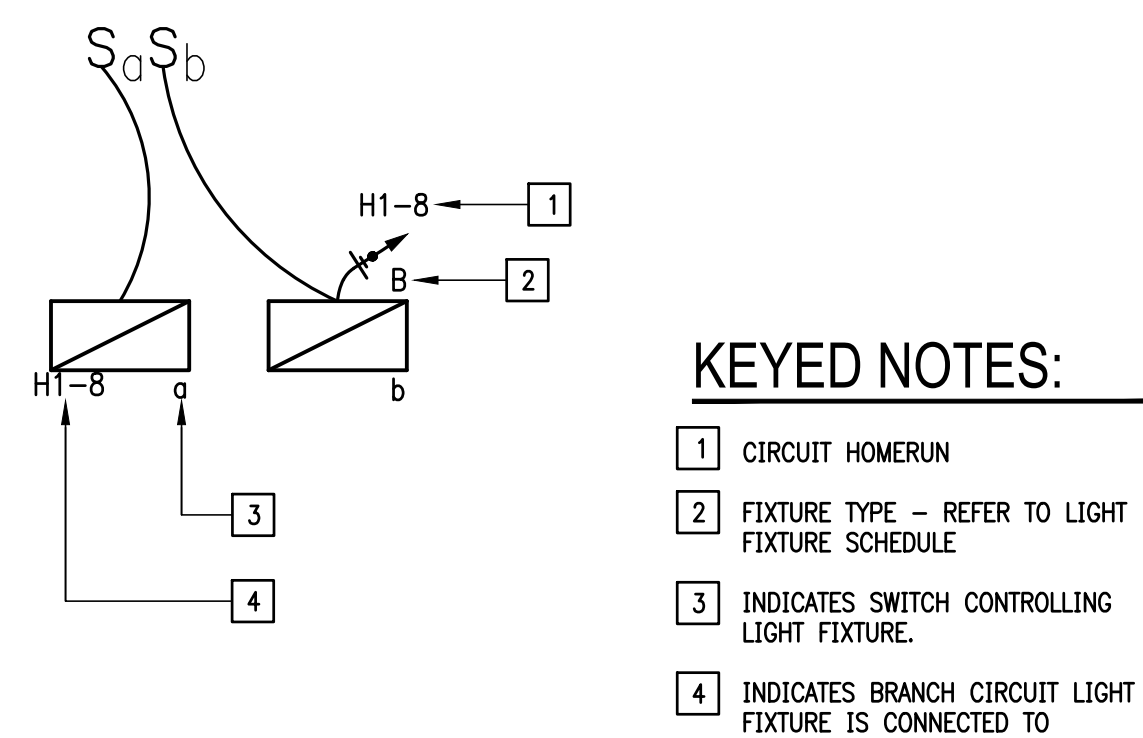
05 HORIZONTAL RACEWAYS
SUPPORT DETAIL



03 RACEWAY RUNS
SUPPORT DETAIL



06 TYPICAL
LAY-IN FIXTURE SUPPORT



09 LIGHTING LEGEND DETAIL
SCALE : NOT TO SCALE



08 EQUIPMENT IDENTIFICATION LABEL DETAIL

D

C

B

L
B

A

B

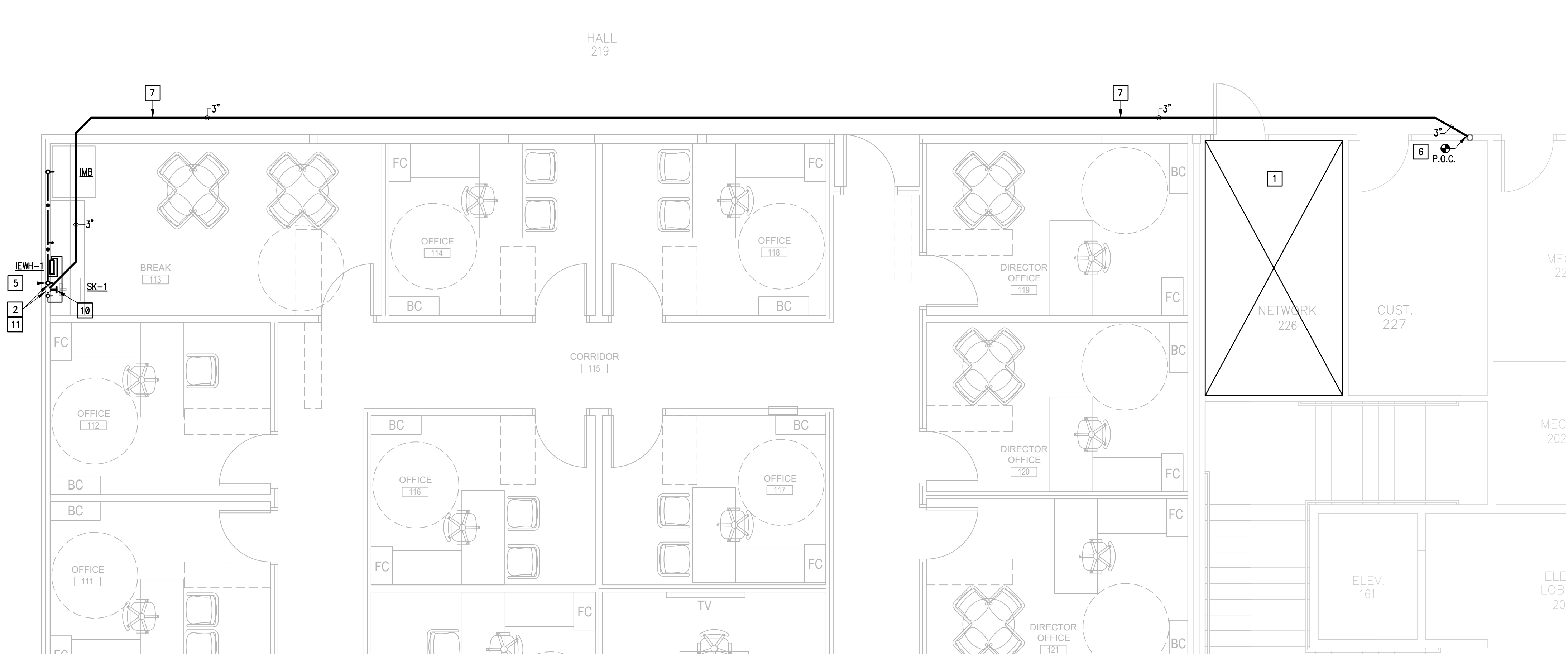
5

4

3

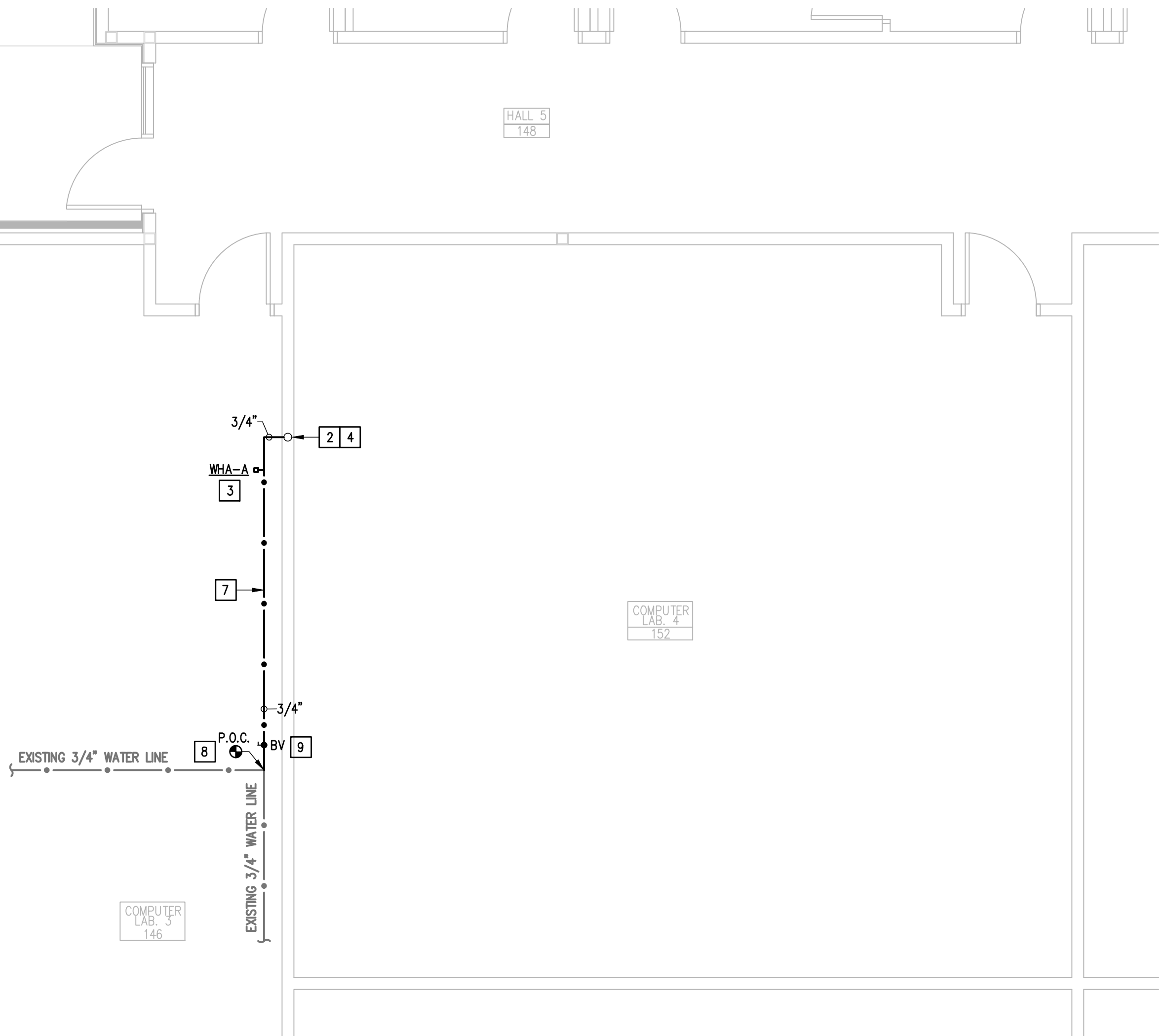
2

1



02 PLUMBING WASTE & VENT 2ND FLOOR
SCALE : 1/4" = 1' = 0"

01 DOMESTIC WATER PLAN 1ST FLOOR
SCALE : 1/4" = 1' = 0"



KEYED NOTES:

- 1 CLEARANCE FOR ELECTRICAL / DATA PANELS. ROUTE NO PIPING OVER THIS AREA.
- 2 SLEEVE ALL FLOOR SLAB AND WALL PENETRATIONS PER DETAIL WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT.
- 3 PROVIDE BELLOWS TYPE WATER HAMMER ARRESTOR (WHA), MIFAB (WHB SERIES) OR APPROVED EQUAL. INDICATED MODEL (A,B,C,D,E,F) AS PER MIFAB SIZING CHART. PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. (TYPICAL)
- 4 PROVIDE 3/4" COLD WATER LINE UP TO 2ND FLOOR.
- 5 3/4" COLD WATER LINE FROM 1ST FLOOR.
- 6 CONNECT NEW 3" SANITARY SEWER LINE TO EXISTING 3" SANITARY SEWER LINE AT THIS APPROXIMATE LOCATION.
- 7 PROVIDE PIPING SUPPORT AS PER SPECIFICATIONS AND DETAIL. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- 8 CONNECT NEW 3/4" COLD WATER TO EXISTING 3/4" COLD WATER LINE AT THIS APPROXIMATE LOCATION.
- 9 PROVIDE BRONZE ISOLATION BALL VALVE ABOVE CEILING OR BEHIND WALL. PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. PROVIDE VALVE IDENTIFICATION TAGS AS PER SPECIFICATIONS. (TYPICAL)
- 10 PROVIDE PLUMBING CONNECTION TO SINK AS PER DETAIL. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- 11 CORE DRILL FOR DOMESTIC 3/4" COLD WATER AND 3" SANITARY SEWER IN WALL CAVITY BASE PLATE TO ENSURE PASSAGE OF PIPE.

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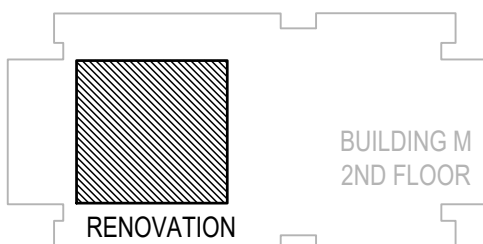


SHEET TITLE
PLUMBING DOMESTIC WATER AND WASTE & VENT PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, McALLEN, TEXAS

ISSUE DATE
AUGUST 12, 2019

PROJECT NO
1904
REVISIONS
1. REVISED
2. REVISED
3. REVISED
4. REVISED
5. REVISED
6. REVISED
7. REVISED
8. REVISED
9. REVISED
10. REVISED

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KEYPLAN

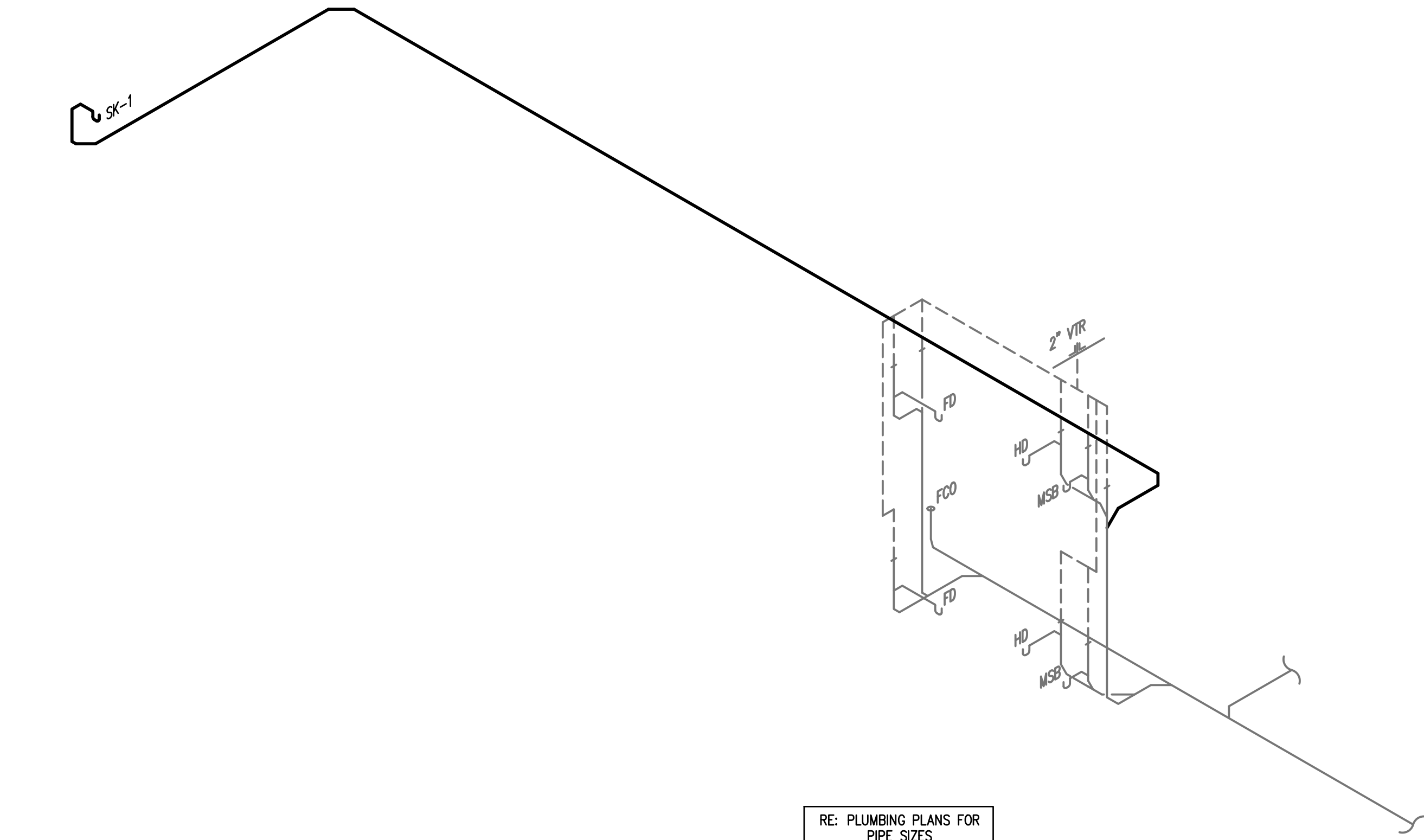
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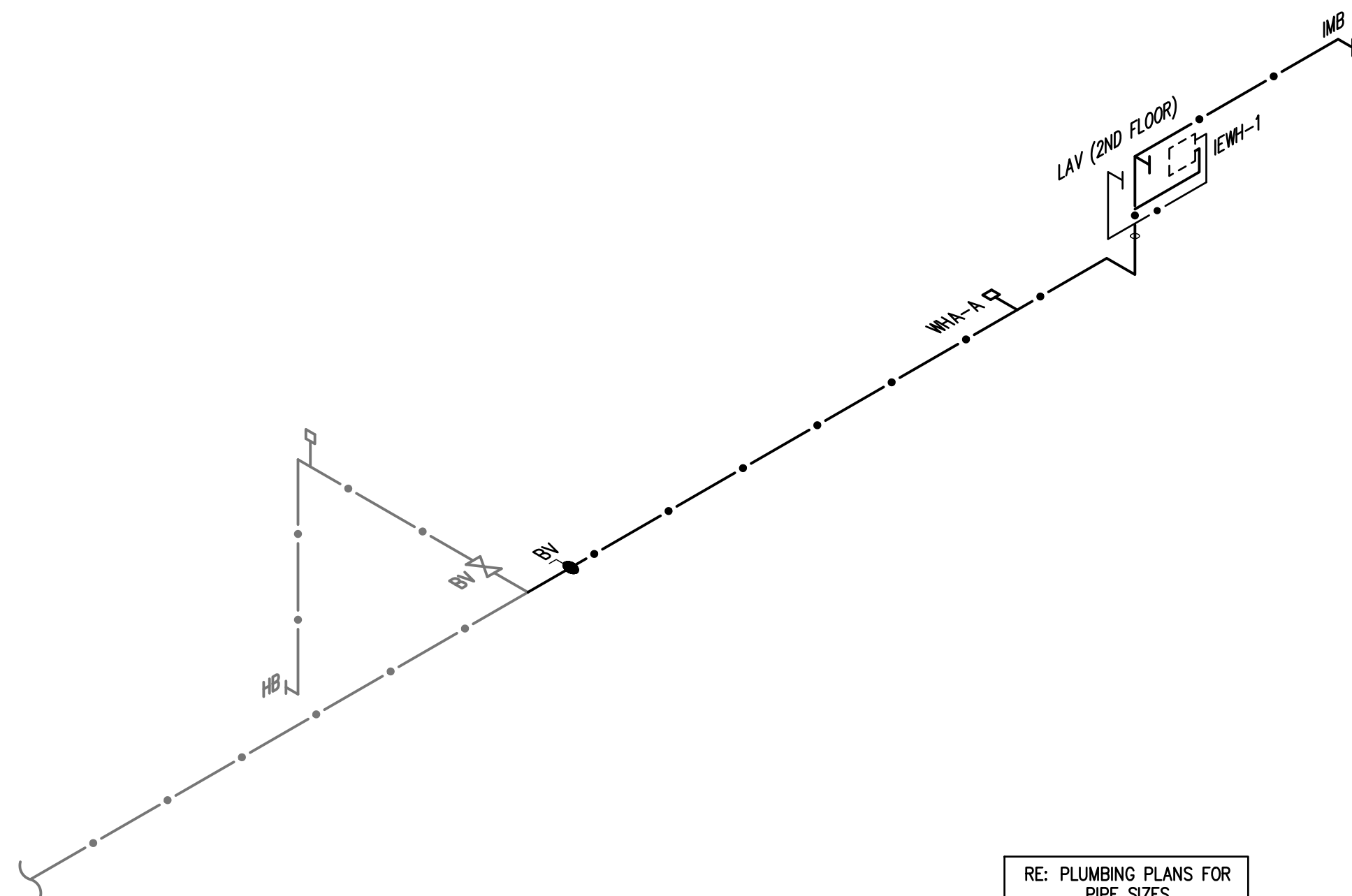
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B

A



01 2ND FLOOR
WASTE AND VENT RISER
SCALE : NONE



02 2ND FLOOR
DOMESTIC HOT/COLD WATER
RISER
SCALE : NONE

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER & MODEL NUMBER	DESCRIPTION	CONNECTIONS				NOTES	REMARKS
			WASTE	VENT	CW	HW		
SK-1	ELKAY LRAD-1919-60-1 SINK, CHICAGO FAUCET, 5 GPM # 1100-GN2AE3-317ABCP, LK-335 DRAIN LEONARD # 270-LF-BRKT-BV 0.5GPM AERATOR	19" x 19" SINGLE COMPARTMENT, 18 GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING SINK WITH 6"DEEP BOWL, FULLY COATED UNDERSIDE, TWO HANDLE DECK MOUNT GOOSE NECK FAUCET, 3.5" DRAIN WITH CUP STRAINER, 1-1/2" 17 GAUGE CHROME PLATED TAILPIECE AND P-TRAP WITH CLEANOUT AND CHROME PLATED SUPPLY STOPS WITH STAINLESS STEEL FLEXIBLE CONNECTORS AND POINT-OF-USE THERMOSTATIC VALVE.	3"	-	3/4"	3/4"	1	SEE ARCHITECTURAL
IMB	GUY GRAY BIM875	VALVE, STAINLESS STEEL BOX WITH HINGED COVER GALVANIZED STEEL ICE MACHINE BOX, FURNISHED WITH 1/2" FIP INLET X 1/4" OD OUTLET COMPRESSION ANGLE VALVE.	-	-	3/4"	-		

1. SET POINT-OF USE THERMOSTATIC VALVE TEMPERATURE AT 110 DEGREE.

PLUMBING SYMBOLS LEGEND

— • — • —	COLD WATER SUPPLY
- - - - -	HOT WATER SUPPLY
=====	SOIL & WASTE LINE
-----	VENT LINE -- ENLARGED PLANS
— • — • —	EXISTING COLD WATER SUPPLY
- - - - -	EXISTING HOT WATER SUPPLY
=====	EXISTING SOIL & WASTE LINE
-----	EXISTING VENT LINE
SK	SINK
VTR	VENT THRU ROOF
☿	*WATER HAMMER

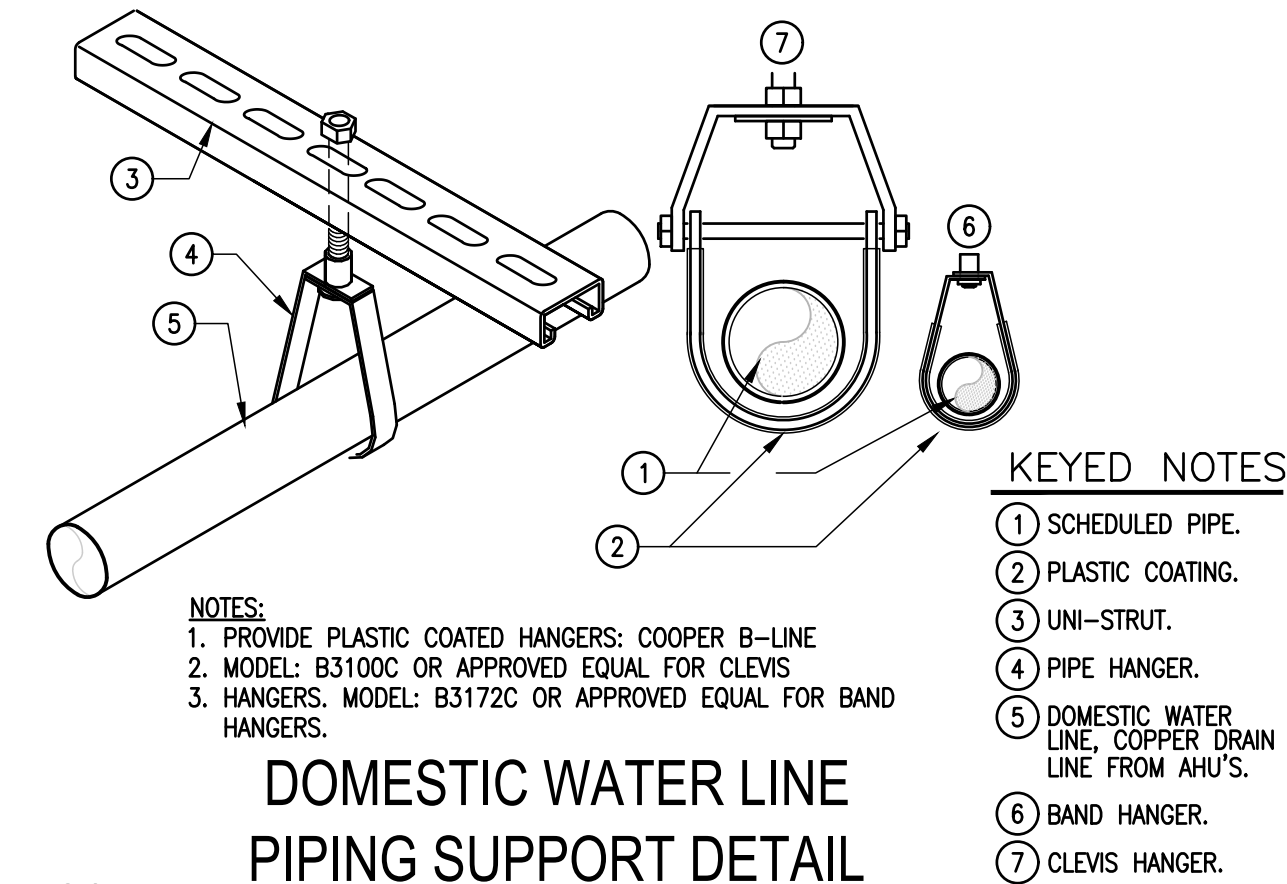
* PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA.

INSTANTANEOUS ELECTRIC WATER HEATER

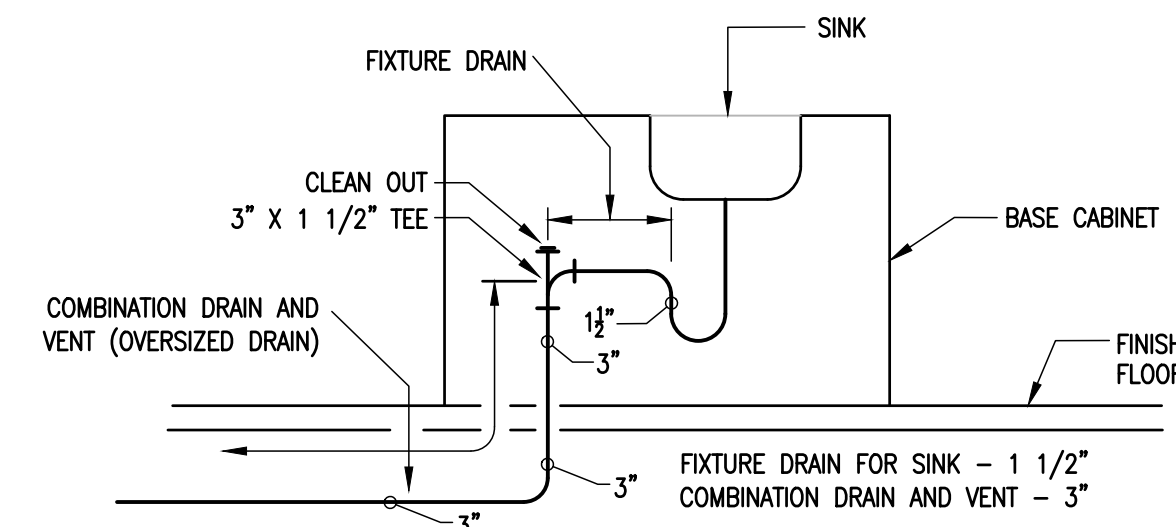
MARK	LOCATION	MINIMUM ACTIVATION GPM	DEGREE RISE AT 0.8 GPM FLOW RATE	ELECTRICAL V/PH	TOTAL KW	DIMENSIONS LENGTH X WIDTH	MANUFACTURER MODEL NUMBER	NOTES
IEWH-1	BREAK 113	0.35	36°	208/1	4.16	9.625" X 6.25"	CHRONOMITE M-20L	1,2

NOTE

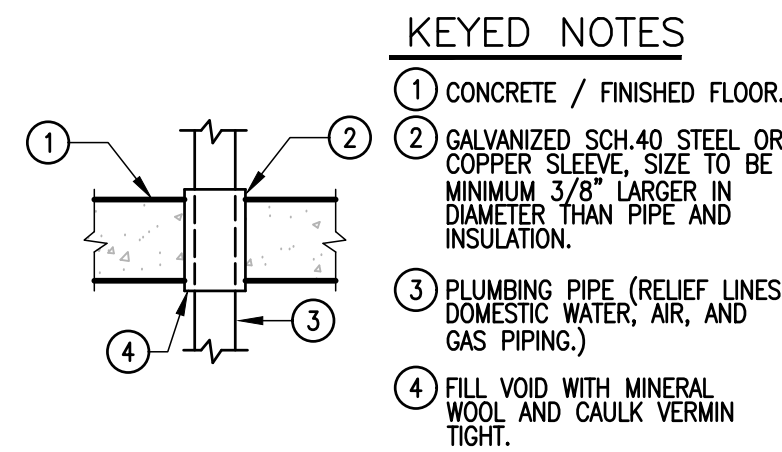
- MANUFACTURER AND MODEL NUMBER ARE *OR APPROVED EQUAL.
- SET TEMPERATURE AT 110 DEGREE.



03 SCALE : NOT TO SCALE



05 SINK DRAIN DETAIL
SCALE : NOT TO SCALE



04 WALL SLEEVE DETAIL
SCALE : NOT TO SCALE

KEYED NOTES

- CONCRETE / FINISHED FLOOR.
- GALVANIZED SCH 40 STEEL OR COPPER SLEEVE, SIZE TO BE MINIMUM 3/8" LARGER IN DIAMETER THAN PIPE AND INSULATION.
- PLUMBING PIPE (RELIEF LINES DOMESTIC WATER, AIR, AND GAS PIPING.)
- FILL VOID WITH MINERAL WOOL AND CAULK VERMIN TIGHT.

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PLUMBING RISER, SCHEDULE & DETAILS

PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010

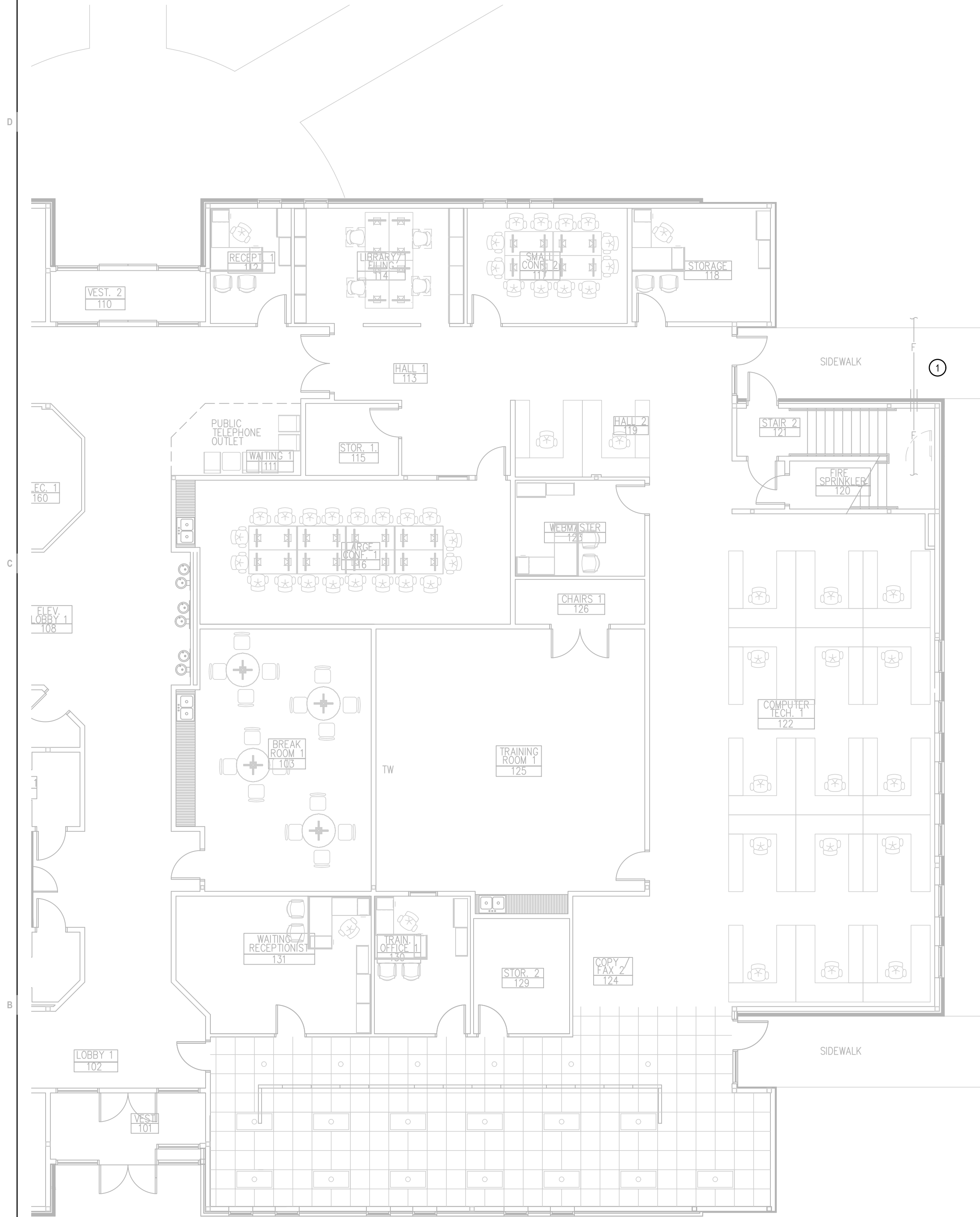
OWNER
SOUTH TEXAS COLLEGE

PROJECT ADDRESS
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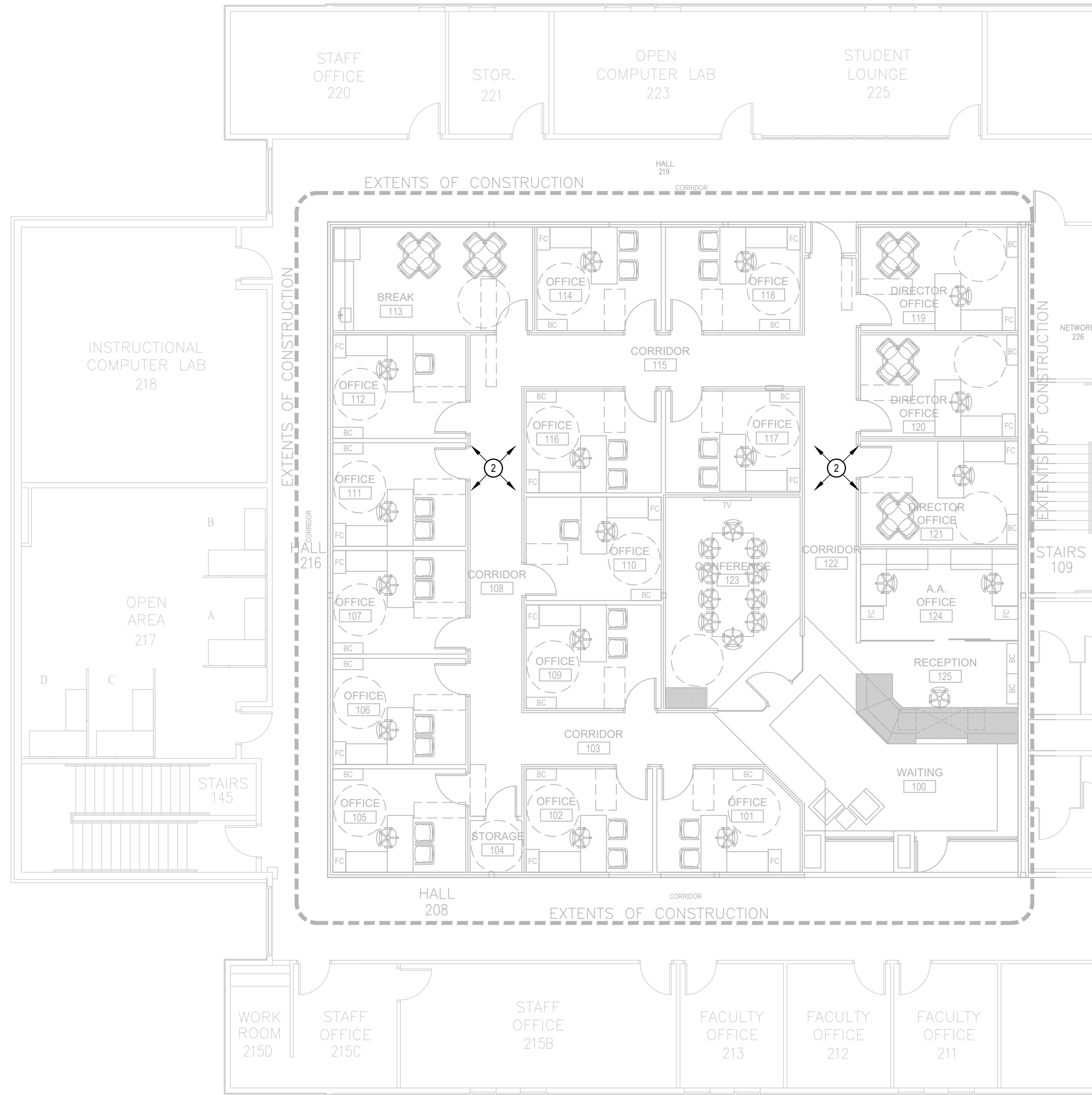
ISSUE DATE
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PROJECT NO	1904
REVISIONS	

SHEET NUMBER
P3.01



01 FIRST FLOOR
FIRE SUPPRESSION PLAN
SCALE : 1/8" = 1'-0"



02 SECOND FLOOR
FIRE SUPPRESSION PLAN
SCALE : 1/8" = 1'-0"

GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, COORDINATE SCOPE OF WORK WITH LOCAL A.H.J., CITY OF MCALLEN FIRE AND BUILDING PERMIT DEPARTMENTS, SUBMIT FIRE SUPPRESSION SHOP DRAWINGS TO A.H.J. FOR APPROVAL.
2. DIV. 21 SPECIFICATION OUTLINES THE PERFORMANCE REQUIREMENTS FOR THE FIRE SUPPRESSION WORK. EXISTING FIRE SUPPRESSION SYSTEM SHALL BE REUSED TO EXTENT POSSIBLE.
3. WE RECOMMEND REPLACEMENT AND RELOCATION OF EXISTING SPRINKLER HEADS TO MATCH THE NEW ARCHITECTURAL ELEMENTS, FINISHES, FLOOR PLANS, ETC. IF SOME COMPONENTS REQUIRE REPLACEMENT TO MEET CURRENT BUILDING CODES, THE DESIGN-BUILD FIRE SUPPRESSION CONTRACTOR SHALL DO SO TO PROVIDE AN APPROVED AND OPERATIONAL SYSTEM.
4. CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WITH THE FIRE MARSHAL TO DETERMINE THE EXTENT OF WORK. CONTRACTOR SHALL PROVIDE TEMPORARY SYSTEMS TO PROTECT THE BUILDING SECTION BEING RENOVATED AND ADJACENT 1ST FLOOR LEVEL. COORDINATE FIRE-WATCH REQUIREMENTS WITH THE CITY OF MCALLEN FIRE DEPARTMENT.
5. FIELD-VERIFY EXISTING FIRE SUPPRESSION SYSTEM PRIOR TO BIDDING. DEMOLISH EXISTING SYSTEM AS NECESSARY AND PREPARE AREA FOR NEW WORK.
6. CONTRACTOR IS RESPONSIBLE FOR UP-SIZING THE FIRE RISER TO ACCOMMODATE NEW WORK, IF HYDRAULIC CALCULATIONS, FLOW AND PRESSURE DATA SHOW THAT EXISTING LINE IS UNACCEPTABLE.

FIRE SPRINKLER SYSTEM KEYED NOTES:

- 1 RETAIN AND REUSE EXISTING FIRE RISER LOCATED AT THIS APPROXIMATE LOCATION. VERIFY EXISTING SIZE OF FIRE SPRINKLER LINE BY MEANS OF CALCULATIONS AND COORDINATE WITH GENERAL CONTRACTOR.
- 2 IN THE AREA BEING RENOVATED, EXISTING FIRE SPRINKLER SYSTEM WILL BE MODIFIED TO ACCOMMODATE THE NEW SPACE LAYOUT AND NEW CEILING CONFIGURATION.

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SHEET TITLE
FIRE SUPPRESSION PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS

ISSUE DATE
AUGUST 12, 2019

PROJECT NO
1904
REVISIONS

SHEET NUMBER
FS2.01

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