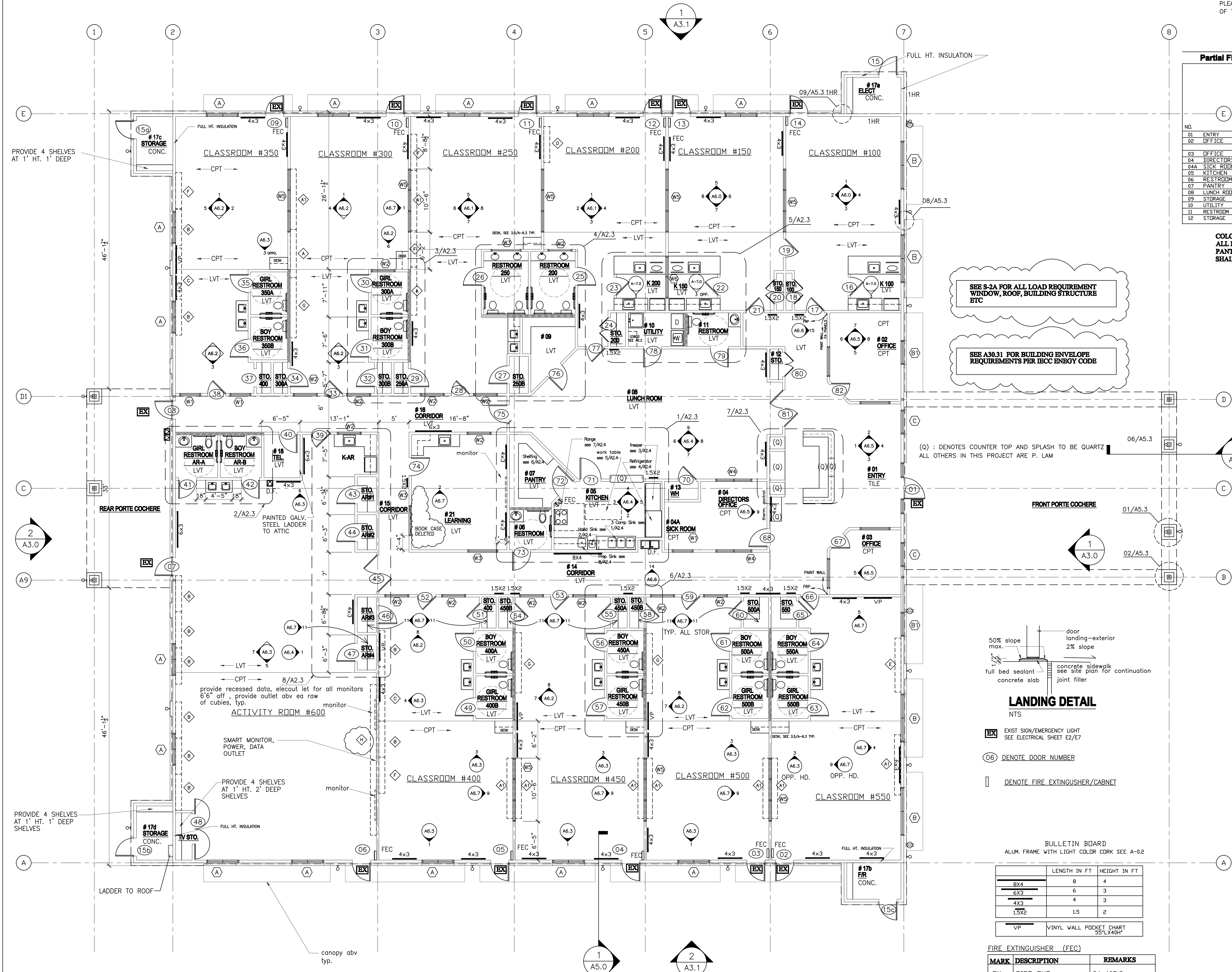


REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	08/30/2018	ADDENDUM 1
3	08/30/2018	ADDENDUM 3

PLEASE SEE SHEET A-2.4 FOR NSF INFORMATION OF THE PROPOSED KITCHEN EQUIPMENT



Partial Finish Schedule for health related items , (see A-01 for a complete schedule)

	Floor	Base/Trim	Wall	Ceiling	Remarks
01 ENTRY	FRP	FRP	FRP	FRP	FRP
02 OFFICE	FRP	FRP	FRP	FRP	FRP
03 OFFICE	FRP	FRP	FRP	FRP	FRP
04 DIRECTORS OFFICE	FRP	FRP	FRP	FRP	FRP
04A SICK ROOM	FRP	FRP	FRP	FRP	FRP
05 KITCHEN	FRP	FRP	FRP	FRP	FRP
06 RESTROOM	FRP	FRP	FRP	FRP	FRP
07 PANTRY	FRP	FRP	FRP	FRP	FRP
08 LUNCH ROOM	FRP	FRP	FRP	FRP	FRP
09 STORAGE	FRP	FRP	FRP	FRP	FRP
10 UTILITY	FRP	FRP	FRP	FRP	FRP
11 RESTROOM	FRP	FRP	FRP	FRP	FRP
12 STORAGE	FRP	FRP	FRP	FRP	FRP

COLOR OF ALL FRP AND CEILING ARE WHITE
ALL FLOOR, WALL, BASE AND WALL FINISH IN KITCHEN(05), PANTRY(07), LUNCH (08), STORAGE (09), UTILITY (10) RESTROOM(11) SHALL BE LIGHT BEIGE AND HAVE LRV OF 40 OR GREATER.

HEALTH NOTE:
 ALL NSF CERTIFICATION ARE SHOWN ON A2.4

- PROVIDE FRP AND WAINSCOTING AT CORRIDORS
- ALL INTERIOR WALL EXTEND TO BOTTOM OF TRUSS
- INSULATION ON ALL EXTERIOR WALL

GC NOTES:
 ALL ADA RAILING, REST ROOM ACCESSORIES, SHALL BE INSTALLED AFTER ADA INSPECTOR MARKED THE REQUIRED HEIGHT AT SITE.

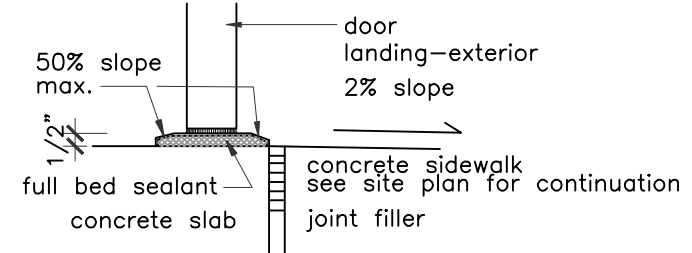
NOTE:
 MOISTURE RESISTANT PLYWOOD SUBSTRATE SHALL BE USED AT ALL AREA RECEIVE PLUMBING FIXTURE, PRESS WOOD IS ALLOWED ONLY AT DRY AREA.

- LEGEND**
- ROOM NAME
 - VCT → FLOOR FINISH
 - ◇ → MILLWORK CUBBIE, SEE SHEET 6.8
 - ⊙ → DOOR NUMBER, SEE SHEET A0.1
 - → 2x6 WOOD STUD
 - → EGRESS PATH PLAN
 - MIRROR NOT SHOWN ON PLAN, SEE ENLARGED ELEVATIONS
 - TB → TACK BOARD, BY CLARIDGE, 24"X18", TOTAL OF 13. ALUM. FRAME WITH LIGHT COLOR CORK.

SEE S-2A FOR ALL LOAD REQUIREMENT WINDOW, ROOF, BUILDING STRUCTURE ETC

SEE A30.31 FOR BUILDING ENVELOPE REQUIREMENTS PER IECC ENBYG CODE

(Q) : DENOTES COUNTER TOP AND SPLASH TO BE QUARTZ
 ALL OTHERS IN THIS PROJECT ARE P. LAM



LANDING DETAIL

- EX → EXIST SIGN/EMERGENCY LIGHT SEE ELECTRICAL SHEET E2/E7
- 06 → DENOTE DOOR NUMBER
- → DENOTE FIRE EXTINGUISHER/CABINET

BULLETIN BOARD
 ALUM. FRAME WITH LIGHT COLOR CORK SEE A-0.2

	LENGTH IN FT	HEIGHT IN FT
8X4	8	4
6X3	6	3
4X3	4	3
15X2	1.5	2
VP	VINYL WALL POCKET CHART 55"X40"	

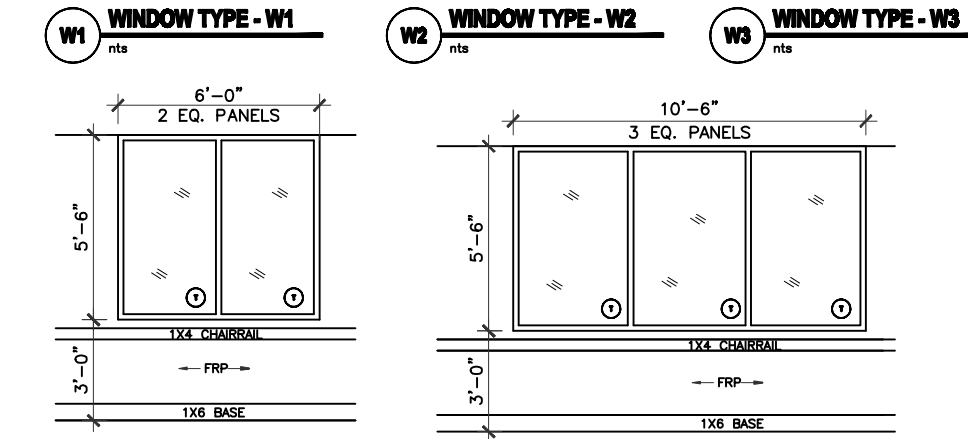
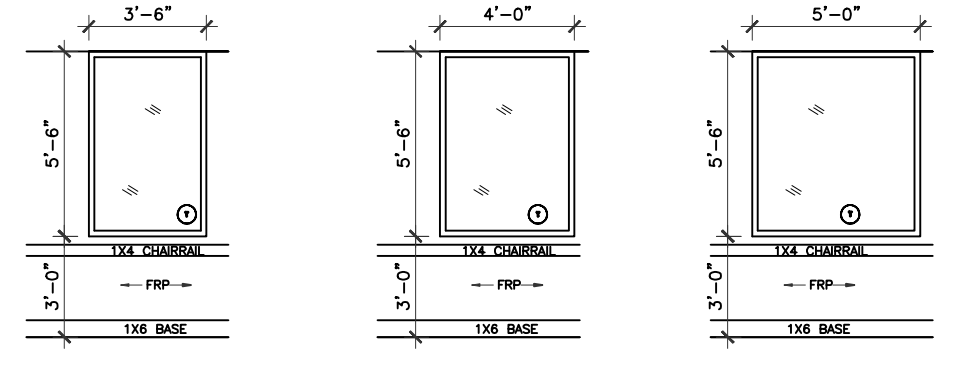
MARK	DESCRIPTION	REMARKS
FX	FIRE EXT.	2A-10B/C
FX-K	FIRE EXT.-KITCHEN	K-RATED

PLUS RECESSED FE CABINETS.

INTERIOR WALL AND DCEILING FINISH REQUIREMENT BY OCCUPANCY

GROUP	EXIT PASSAGEWAY	CORRIDOR	ROOM AND ENCLOSED SPACES
E	B	C	C

INTERIOR WINDOW SCHEDULE



ALL INTERIOR WINDOW FRAME TO BE ALUMINUM CLEAR ANODIZED
 ALL GLASS 1/4" CLEAR TEMPERED
 see A-0.2 for more information

EXTERIOR WINDOW SCHEDULE

DARK BRONZE ANODIZED ALUMINUM WINDOW
 FIXED WITH GLAZED-IN INSULATING UNITS,
 SEE PLAN AND ELEVATION FOR SIZE
 STAINED CLEAR PINE INTERIOR SURROUNDING.

see A-3.0 for more information

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
Manvel, Tx 77578



DRAWING TITLE

FLOOR PLAN

DRAWN BY	CHECKED BY
03/30/2017	gleanloch

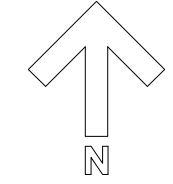
DRAWING NO. **A-2.0**

- NOTES:**
- BUILDING IS FULLY SPRINKLERED.
 - ALL INTERIOR WALL 2X4 STUDS U.N.O. ALL EXTERIOR WALL 2x6 STUDS
 - 2X6 FOR PLUMBING WALL
 - ALL BATHROOMS TO BE SLOPED TO FLOOR DRAIN. (SEE P-1)
 - VISUAL ALARM SHALL BE PROVIDED WITH AUDIBLE ALARM IN ALL RESTROOMS, CLASSROOMS, ACTIVITY ROOM, LOBBIES, AND HALLWAYS.

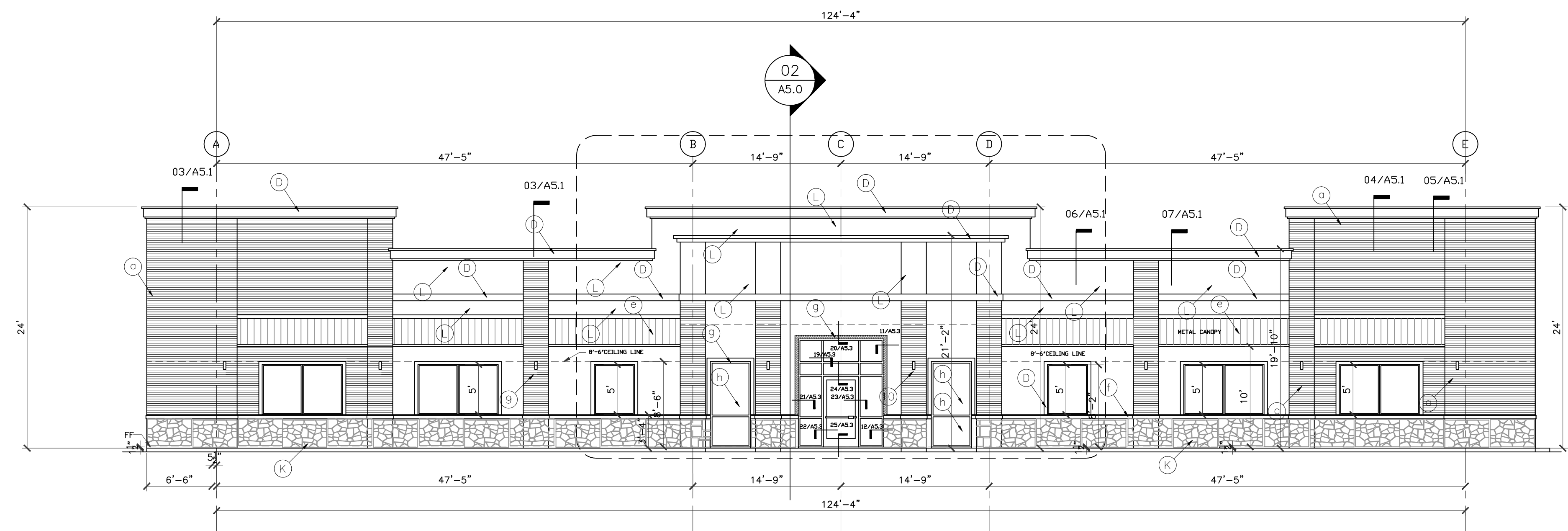
- THE FRONT DOOR HAS AN ELECTRONIC DOOR LATCH, COMPLETE W/ "BIOMETRIC BASED SAFEPASS DOOR CONTROLLER", THE ELECTRONIC DOOR LATCH SHOULD BE ABLE TO BE OPERATED BY A BUZZER BUTTON FROM INSIDE THE BLDG. FROM RECEPTION DESK, AND W/ A KEY IN THE FRONT
- ALL LOCKS KEYS TO HAVE THE SAME MASTER KEY
- TACK BOARDS PROVIDED BY GC.
- PLACE THERMOSTAD SENSOR NEAR 6 FT AFF.

- TO AVOID CONFLICT, COORDINATION WITH MILLWORK, FURNITURE, WIDOWS, DOORS AND ALL OTHER EQUIPMENT, DEVICES MUST BE DONE PRIOR TO LOCATE THE WALL SWITCH AND/OR OUTLETS. GC IS RESPONSIBLE TO FIX THE FILED CONFLICT SHOULD IT OCCURS.

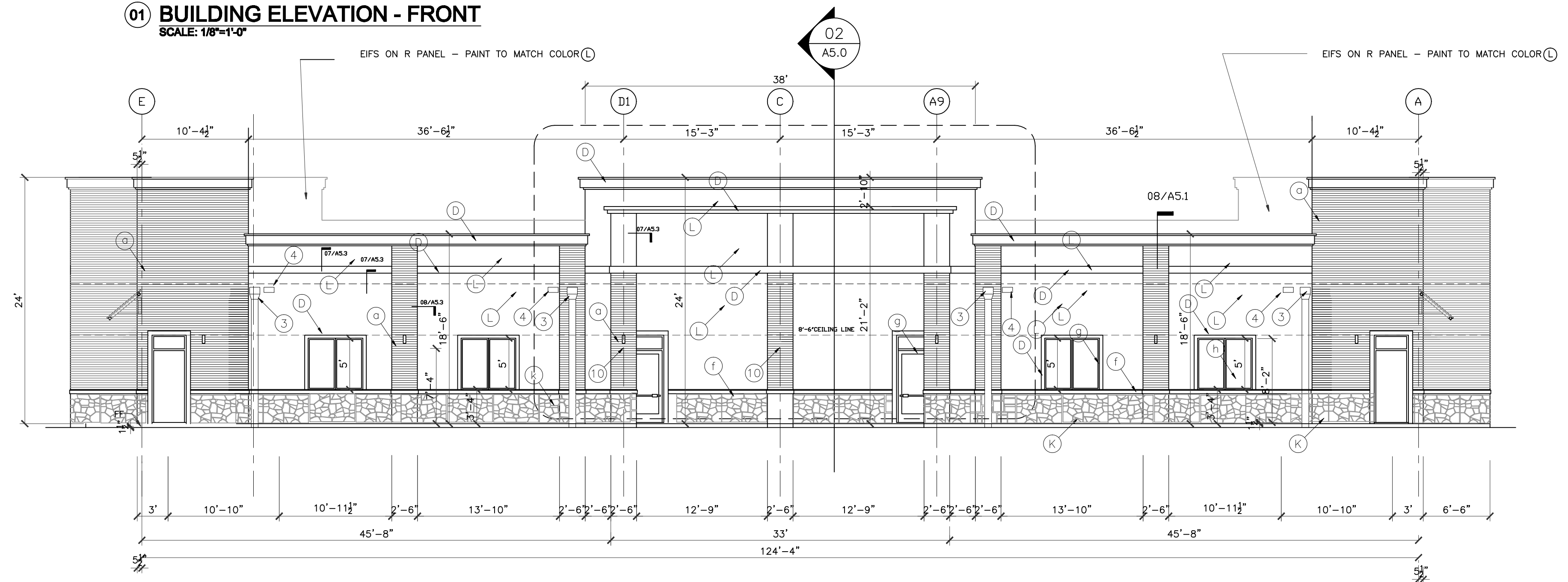
1 FLOOR PLAN
 1/8" = 1'-0"



REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	08/30/2018	ADDENDUM 1
3	08/30/2018	ADDENDUM 2



01 BUILDING ELEVATION - FRONT
SCALE: 1/8"=1'-0"



02 BUILDING ELEVATION
SCALE: 1/8"=1'-0"

ELEVATIONS BASED ON STONE LEDGE = 0'-0"

ALL EXTERIOR ALUM. FRAMES TO BE DARK BRONZE ANODIZED.
ALL INTERIOR ALUM. FRAMES TO BE CLEAR ANODIZED.

ALL STUCCO TO BE TRADITIONAL 3 STEPS
PLASTERING WORK IN THIS PROJECT

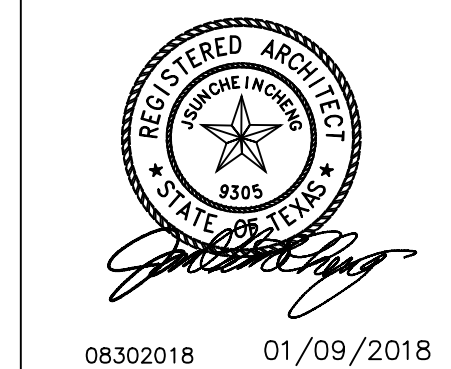
- EXTERIOR FINISH SCHEDULE**
- (A) BRICK BY ACME Elgin plant' Gray Wolf' blade cut texture, ELP372,809660
 - (L) STUCCO Paint PPG Color 314-1 MILK PAINT
 - (D) STUCCO Paint PPG Color 314-4 SPICED VINEGAR
 - (b) Down Spout - galv. paint to match wall
 - (E) STANDING SEAM METAL ROOF CANOPY, by 'BERRIDGE - 'Champagne'
 - (f) Limestone cap - cream color
 - (g) Dark Bronze Anodized frame
 - (h) glass - insulating unit
 - (K) Stone-ACME Legacy,cream ledgestone, or Apache Gold (Upchurch Kimbrough or approved equal - ashlar pattern

- ① 1" STUCCO W 1/2" DEEP REVEAL, TYP.
- ② GALVANIZED METAL FLASHING, PAINTED
- ③ 10"X8" GALV. METAL DOWNSPOUT, CONNECTED TO UNDERGROUND STORM DRAIN SYSTEM, CIVIL DRAWING.
- ④ 18"Wx12"H OVERFLOW SCUPPER
- ⑤ NOT USED
- ⑥ CROWN MOLDING,
- ⑦ GALVANIZED METAL CAP, PAINTED COLOR TO MATCH MOLDING
- ⑧ EXPOSED STEEL STRUCTURE, PAINTED COLOR TO MATCH STANDING SEAM METAL ROOF
- ⑨ WALL SCOUNCE, TYP.

ENERGY INFORMATION OF THE BUILDING ENVELOPE , ROOF , WALL AND MAXIMUM GLAZING FACTOR PER ENERGY CODE IECC 2012

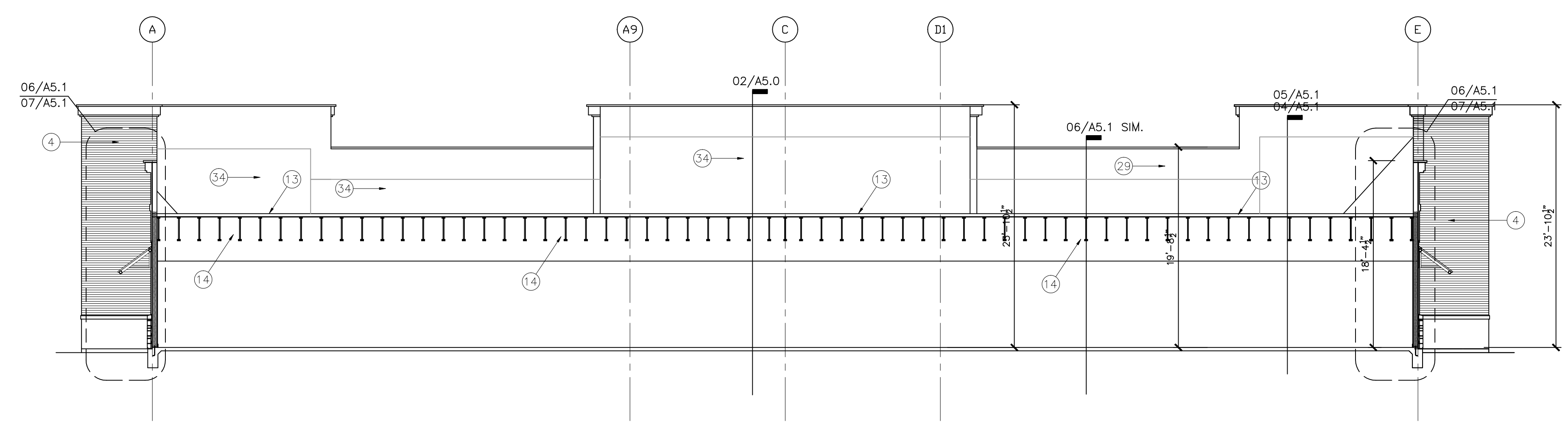
	R VALUE	U VALUE	SHGC
ROOF	24		
WALL	19		
WINDOW		.65	.60
DOOR		.65	.70

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
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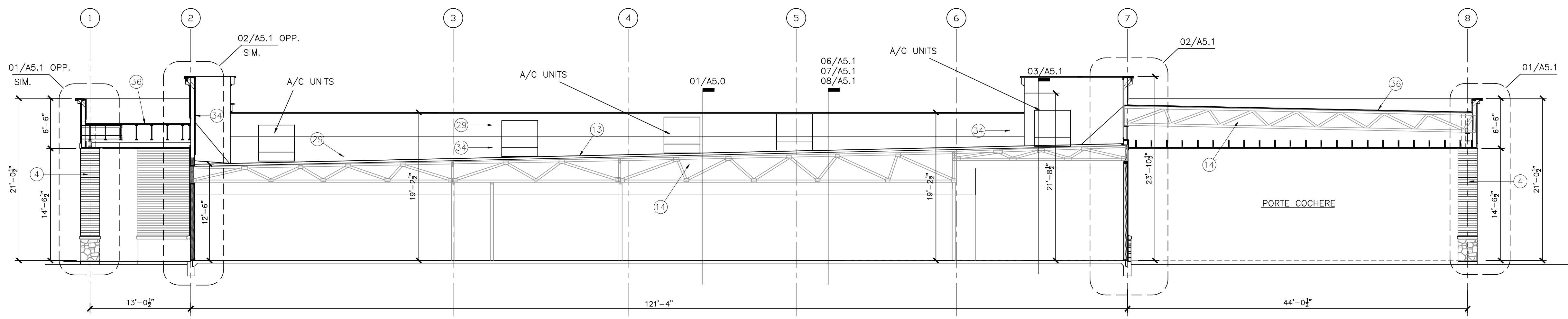


08/30/2018 01/09/2018
DRAWING TITLE
EXTERIOR ELEVATIONS
DRAWN BY
CHECKED BY JC
DATE 03/30/2017
JOB NO. gleannloch
DRAWING NO. **A-3.0**

REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	08/30/2019	ADDENDUM



01 BUILDING SECTION
SCALE: 1/8"=1'-0"



02 BUILDING SECTION
SCALE: 1/8"=1'-0"

1. 1" STUCCO ON STEEL WIRE MESH. PAINTED
2. STUCCO BAND
3. STANDING SEAM METAL ROOF, BY "BERRIDGE"
4. BRICK
5. LIMESTONE CAP
6. GALVANIZED METAL FLASHING
7. 10"x8" GALV. METAL DOWNSPOUT, CONNECTED TO UNDERGROUND STORM DRAIN SYSTEM, SEE CIVIL DRAWING.
8. 18"Wx12"H OVERFLOW SCUPPER
9. 18"Wx12"H ROOF SCUPPER WITH DRAIN BOX
10. CROWN MOLDING, PAINTED, SEE DETAIL FOR SIZE
11. GALVANIZED METAL CAP, PAINTED COLOR TO MATCH MOLDING
12. STRUCTURAL FRAME, PAINTED COLOR TO MATCH STANDING SEAM METAL ROOF
13. 3 PLY MODIFIED BITUMEN BUILT UP ROOF ON R-24 RIGID INSULATION ON 5/8" EXTERIOR PLY WOOD DECK (single ply is not acceptable)
14. ROOF TRUSS, SEE STRUCTURAL (TRUSS ORIENTATION AS SHOWN MAY VARY)
15. 5 1/2" R-19 BATT INSULATION AT ALL EXTERIOR WALLS
16. 2X6 WOOD STUDS @ 16" O.C. SEE STRUCTURAL
17. BRICK TIES, 22 GA, @ 16" O.C. HORIZONTAL & 32" O.C. VERTICAL
18. WEEP HOLES @ 24" O.C.
19. PLASTIC FLASHING (THRU-WALL TYPE)
20. 1/2"x12" LG A.B. @ 36" O.C.
21. 5/8" GYPSUM BOARD, PAINED. (USE WATER RESISTANT GYP. BOARD AT PLUMBING WALLS)
22. SCHEDULED DOOR
23. SCHEDULED WINDOW
24. SCHEDULED BASE
25. HOLLOW METAL FRAME / DOOR
26. STEEL LINTEL, PAINTED COLOR TO MATCH WALL, SIZE SEE STRUCTURAL
27. SEALANT AND BACKER ROD
28. 1/2" R PANEL SIDING, PREFINISHED
29. CONTINUOUS CAULK
30. SOFFIT
31. CONTINUOUS SOFFIT VENT
32. W/P MEMBRANE OVER PLYWOOD SHEATHING ON STUDS, SEE BRACING NOTES ON STRUCTURAL DRAWING
33. 1/2" EXTERIOR PLYWOOD OR O.S.B. SHEATHING COVERED "TYVEK" STUCCO WARP
34. 3 PLY MODIFIED BITUMEN BUILT UP ROOF ON 1" RIGID INSULATION ON 5/8" EXTERIOR PLY WOOD DECK (single ply is not acceptable)
35. STEEL BEAM, SEE STRUCTURAL
36. 2x TREATED WOOD BLOCK CONTINUOUS
37. STONE

GENERAL NOTES

1. ALL INSULATION MATERIAL SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND SHALL HAVE A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
Manvel, Tx 77578



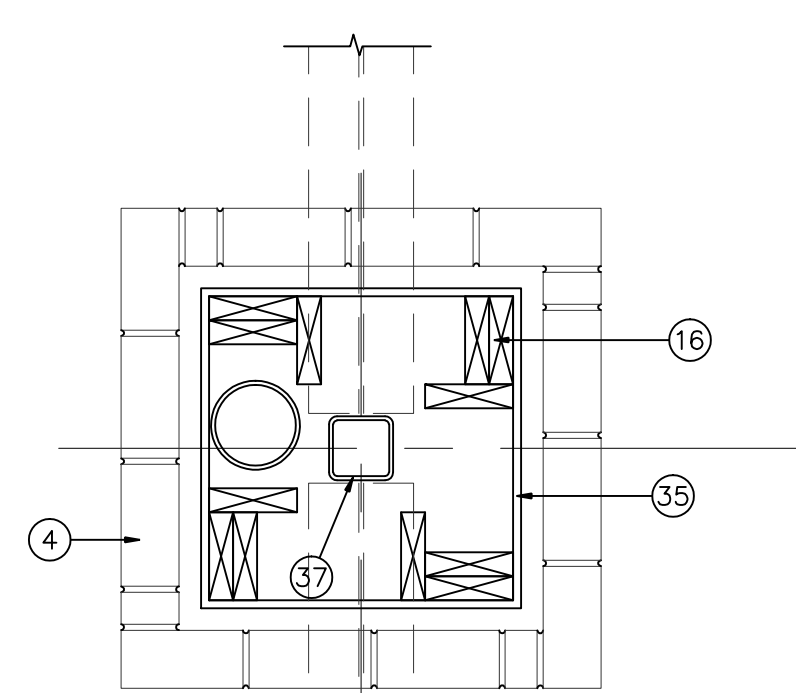
DRAWING TITLE	
BUILDING SECTIONS	
DRAWN BY	CHECKED BY
DATE	JOB NO.
DRAWING NO.	

A-5.0

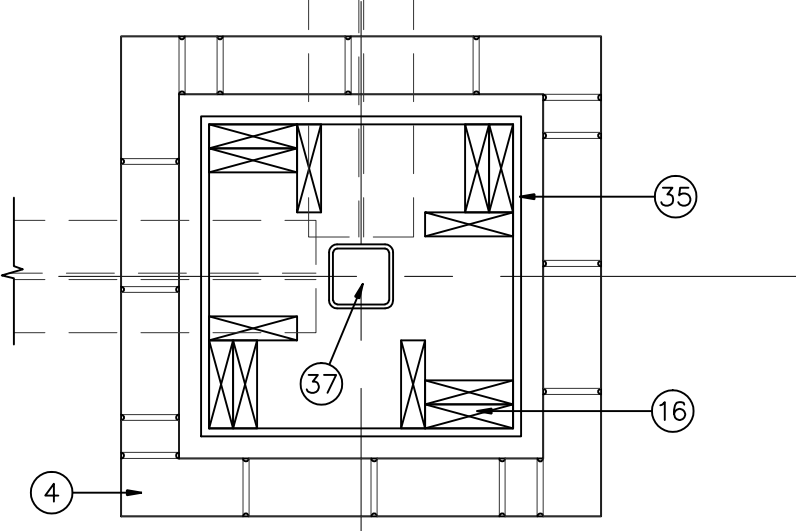
REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	08/30/2018	ADDENDUM 1

- FLOOR LINE
- STEEL ROD RING 3/4" DIAMETER MINIMUM. PLUG WELD TO RAILS. GRIND WELDS FLUSH.
- MINIMUM CLEARANCE TO PERPENDICULAR OBSTRUCTION = 15".
- BRACKET 3' X 1/4" STEEL PLATE OF SUFFICIENT LENGTH TO PROVIDE 7" STANDOFF FROM CENTERLINE OF RINGS. BEND TO FORM A 2" ANGLE. WELD TO RAIL AND BOLT TO STRUCTURE.
- STEEL BAR RAIL 3/8" X 2". PUNCH FOR RINGS. RAIL, 1 PIECE UNLESS OVER 16 FEET LONG.
- EQUAL RING SPACING, 1'-0" MAXIMUM.

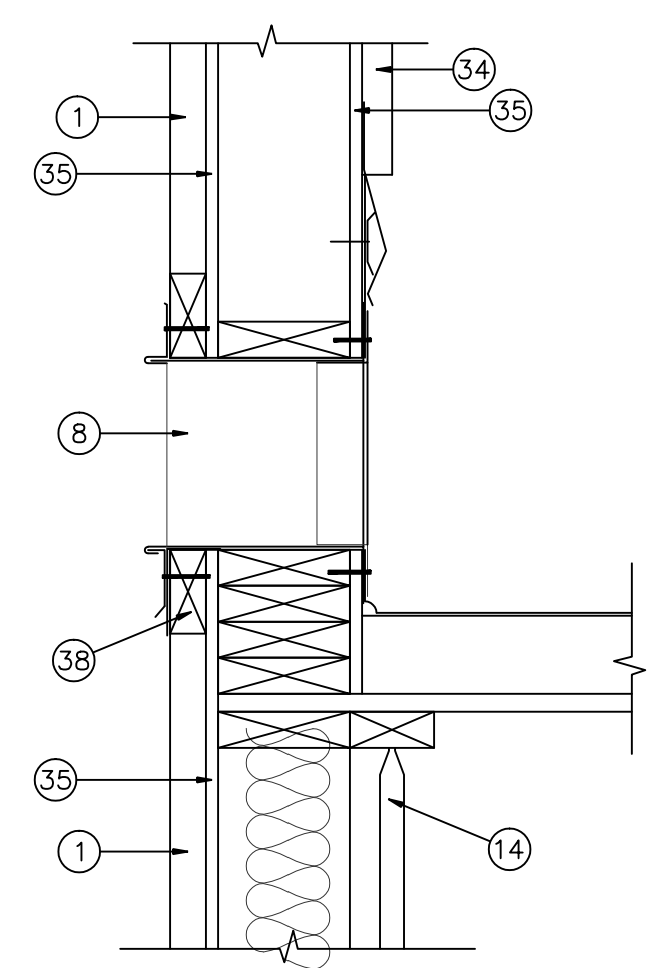
- 1" STUCCO ON STEEL WIRE MESH. PAINTED
- STUCCO BAND
- STANDING SEAM METAL ROOF, by "BERRIDGE"
- BRICK
- LIMESTONE CAP
- GALVANIZED METAL FLASHING
- 10"x8" GALV. METAL DOWNSPOUT, CONNECTED TO UNDERGROUND STORM DRAIN SYSTEM, SEE CIVIL DRAWING.
- 18"x12" OVERFLOW SCUPPER
- 18"x12" ROOF SCUPPER WITH DRAIN BOX
- CROWN MOLDING, PAINTED, SEE DETAIL FOR SIZE
- GALVANIZED METAL CAP, PAINTED COLOR TO MATCH MOLDING
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- SCHEDULED DOOR
- SCHEDULED WINDOW
- SCHEDULED BASE
- HOLLOW METAL FRAME / DOOR
- STEEL LINTEL, PAINTED COLOR TO MATCH WALL, SIZE SEE STRUCTURAL
- SEALANT AND BACKER ROD
- "R" PANEL SIDING, PREFINISHED
- CONTINUOUS CAULK
- SOFFIT
- CONTINUOUS SOFFIT VENT
- W/P MEMBRANE OVER PLYWOOD SHEATHING ON STUDS, SEE BRACING NOTES ON STRUCTURAL DRAWING
- 1/2" EXTERIOR PLYWOOD OR O.S.B. SHEATHING COVERED "TYVEK" STUCCO WARP
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- STEEL BEAM, SEE STRUCTURAL
- 2x TREATED WOOD BLOCK CONTINUOUS
- STONE



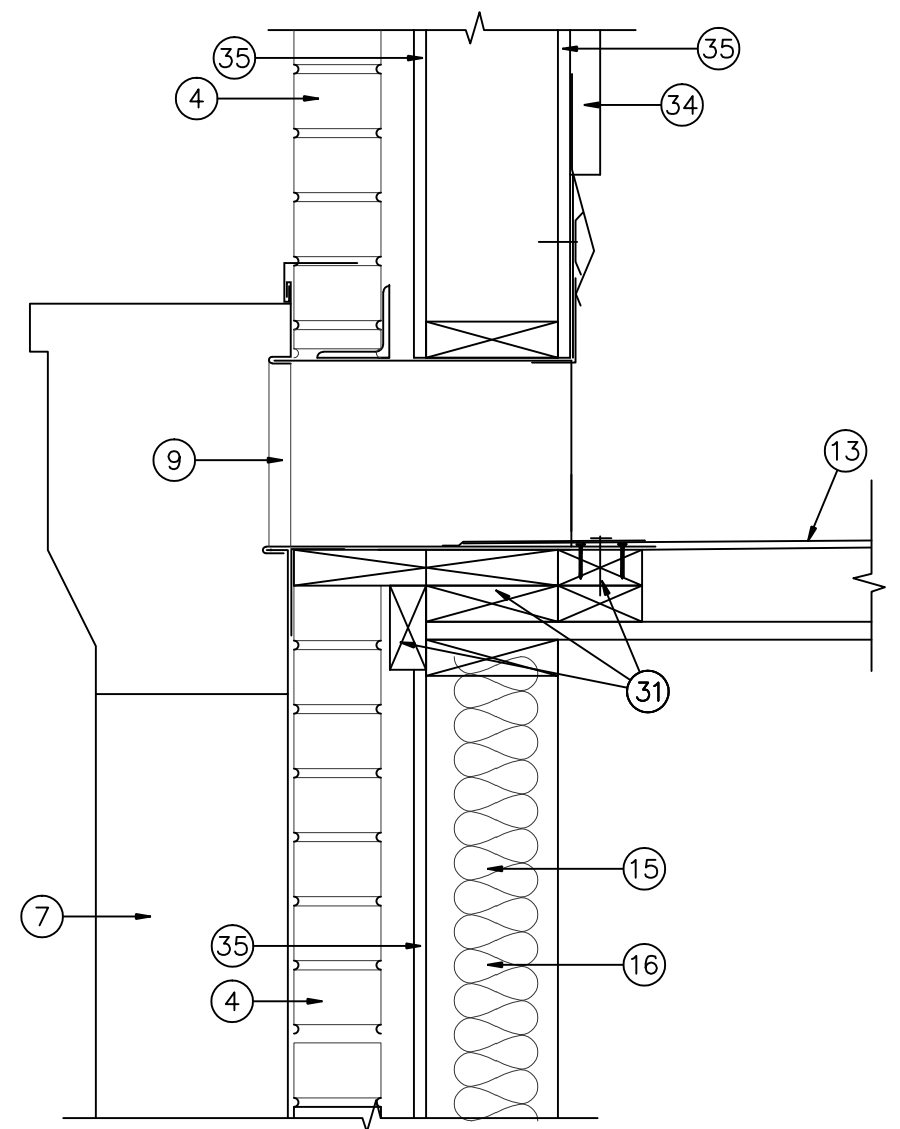
01 COLUMN PLAN
SCALE: 1/2"=1'-0"



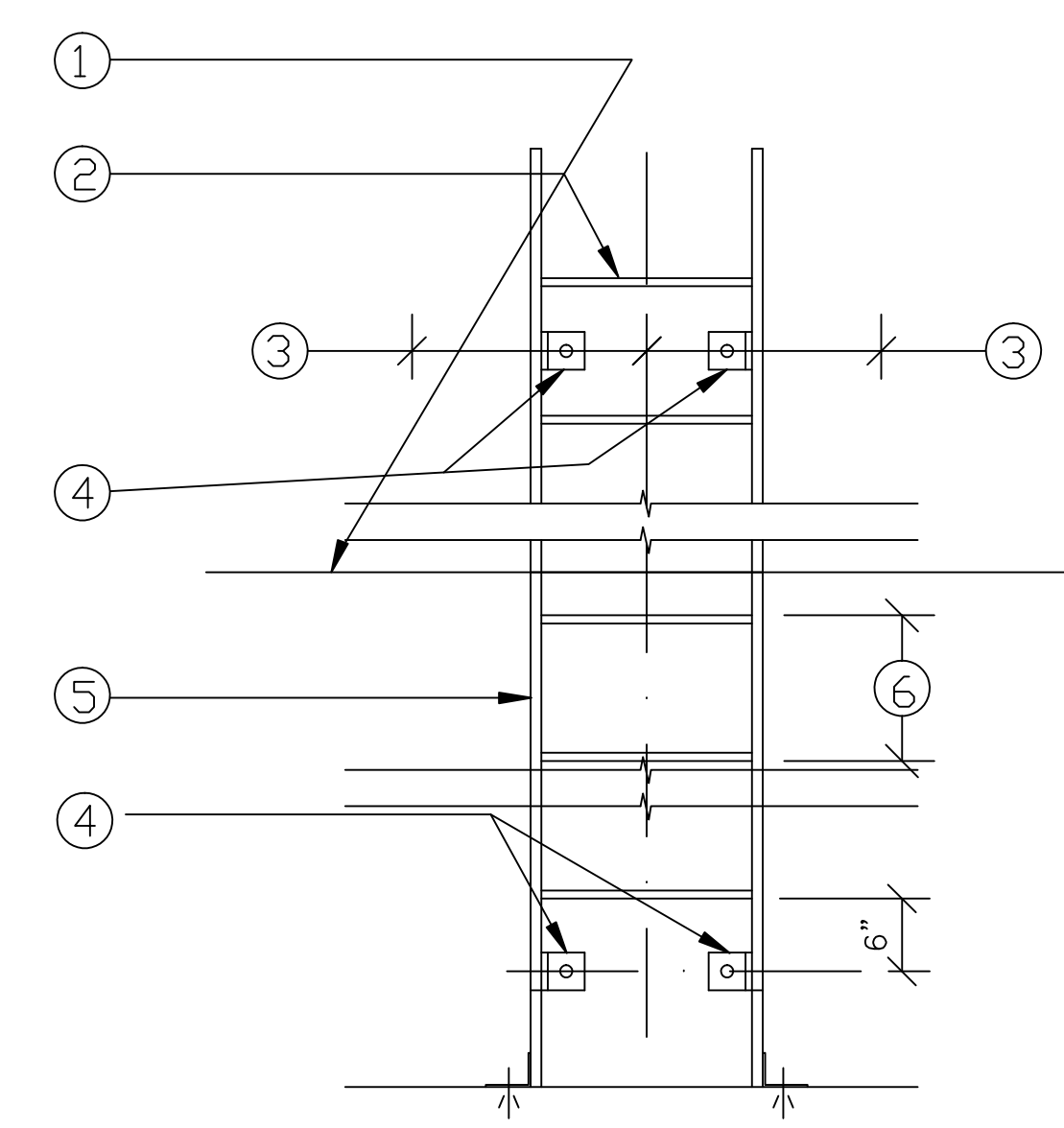
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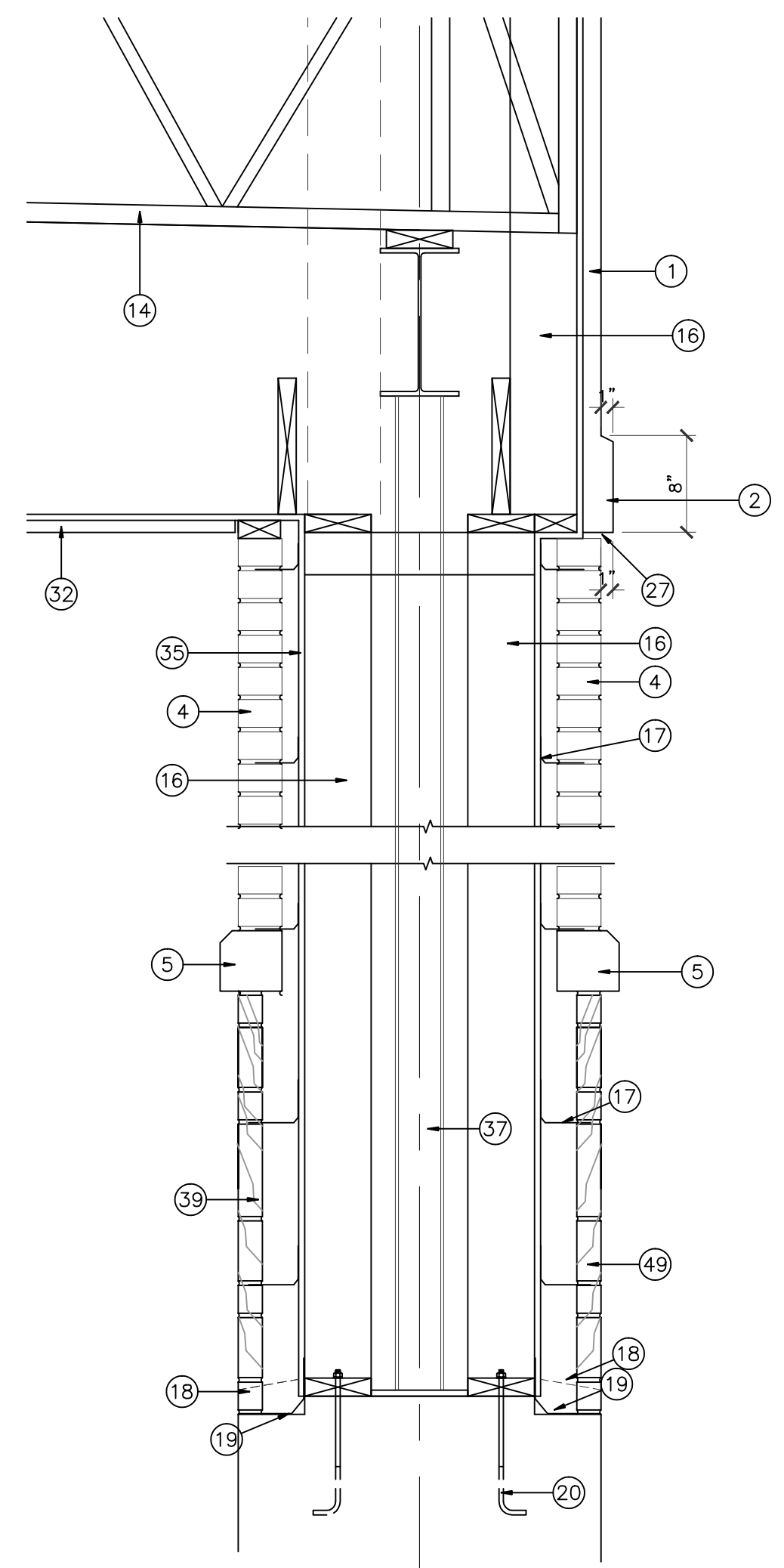
03 DETAIL
SCALE: 1 1/2"=1'-0"



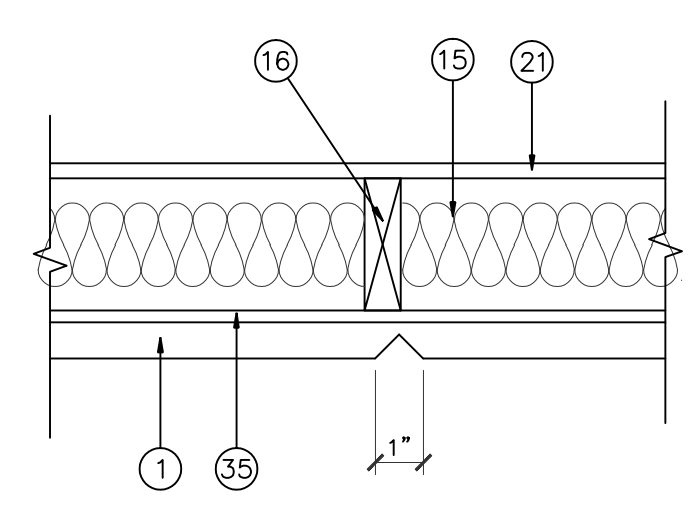
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SCALE: 1 1/2"=1'-0"



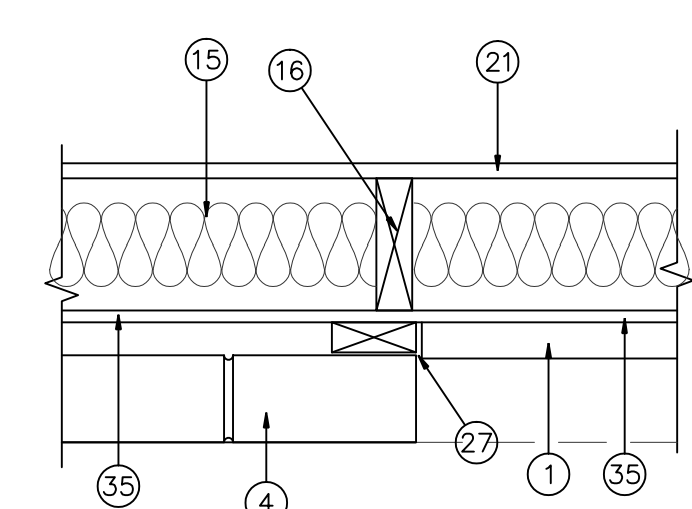
05 ROOF LADDER DETAIL
SCALE: 1/2"=1'-0"



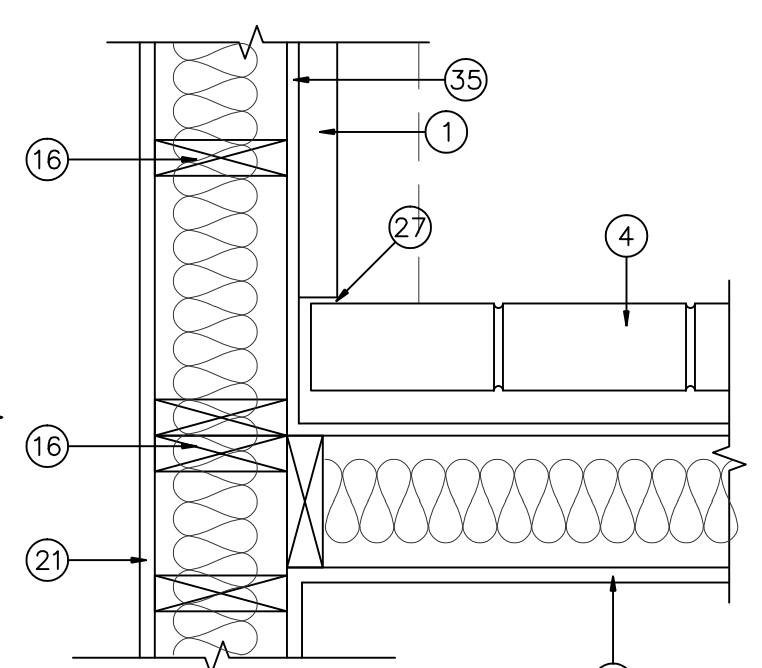
06 COLUMN SECTION
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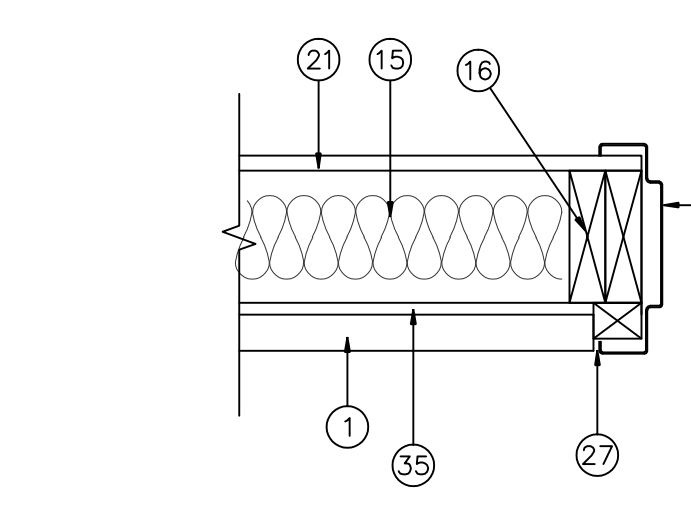
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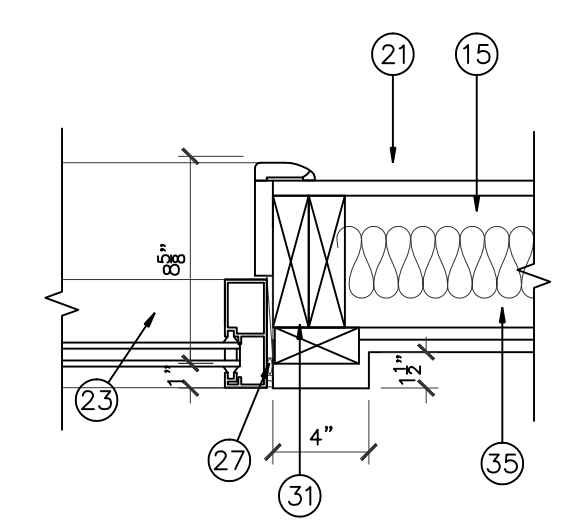
08 DETAIL
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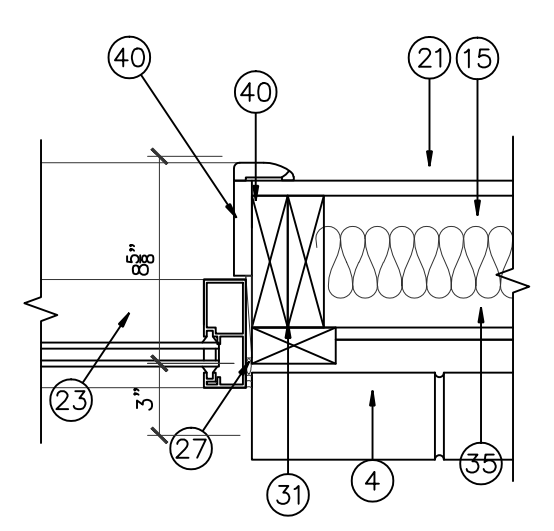
09 DETAIL
SCALE: 1 1/2"=1'-0"



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

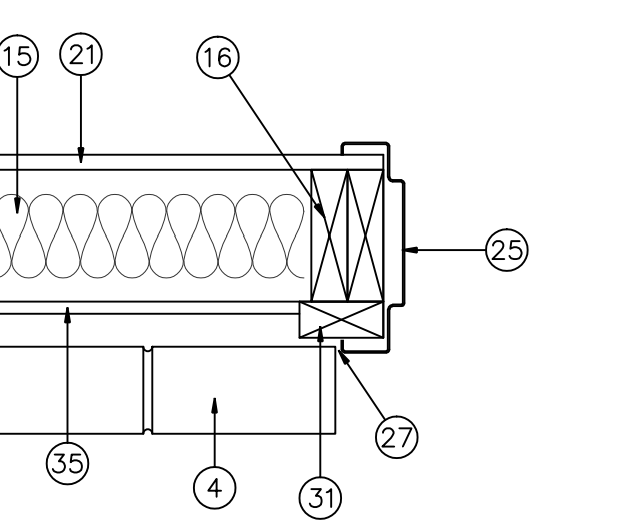


11 DETAIL
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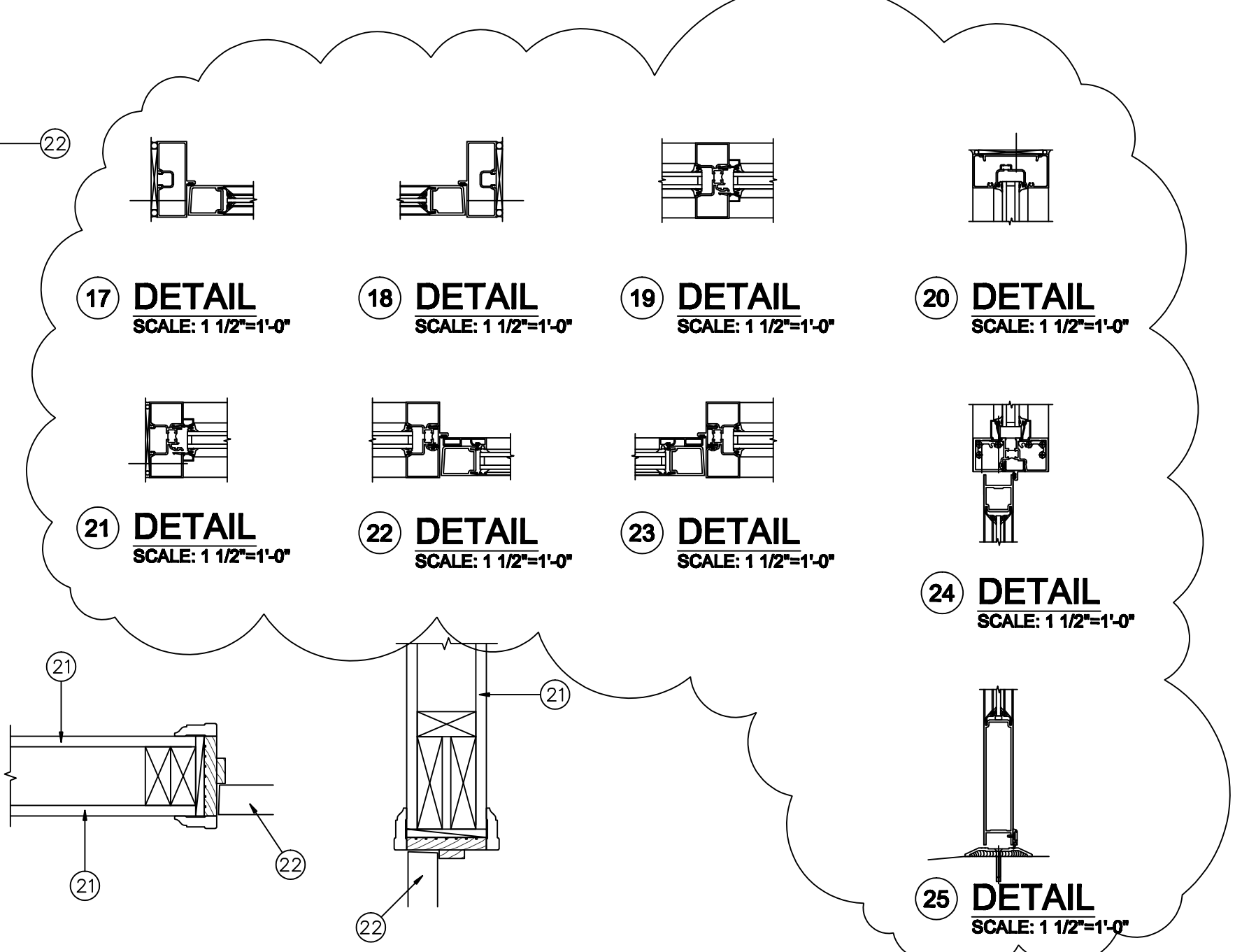


12 DETAIL
SCALE: 1 1/2"=1'-0"

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



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



15 INTERIOR DOOR JAMB- DETAIL
SCALE: 1 1/2"=1'-0"

16 INTERIOR DOOR HEADER- DETAIL
SCALE: 1 1/2"=1'-0"

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
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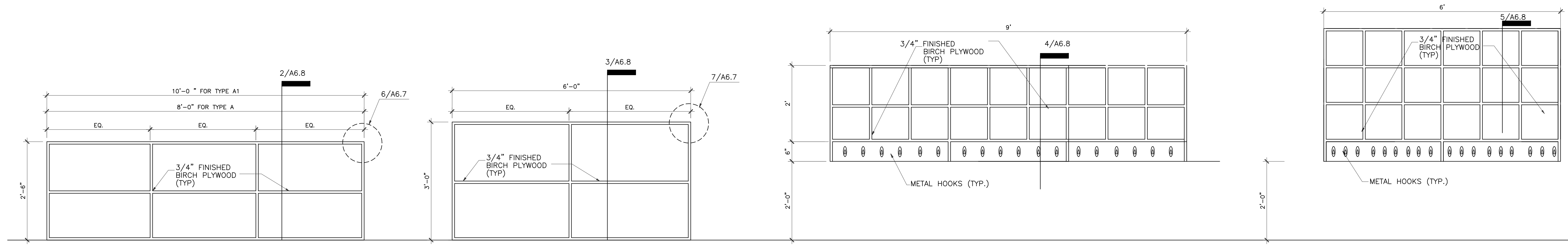


DRAWING TITLE	
DETAILS	
DRAWN BY	CHECKED BY
DATE	JOB NO.
DRAWING NO.	

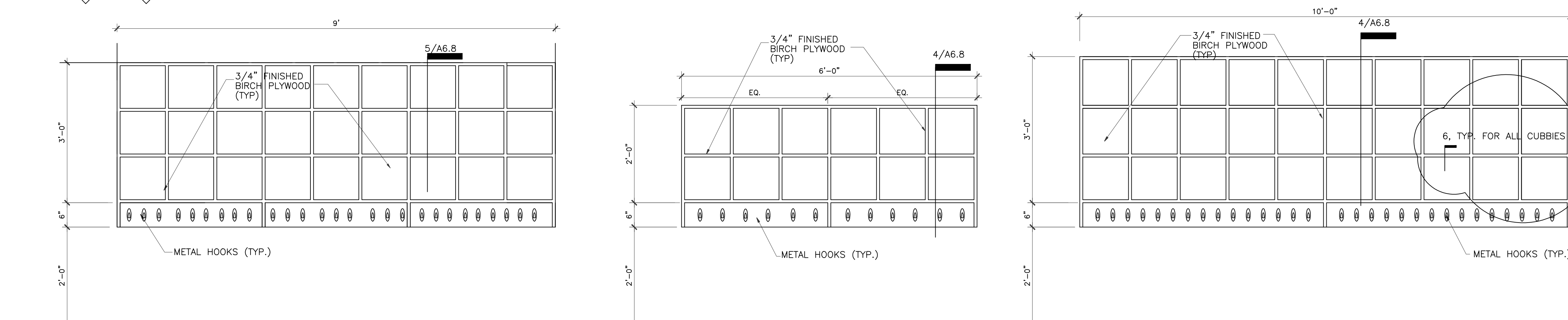
A-5.3

REVISIONS AND ISSUANCE

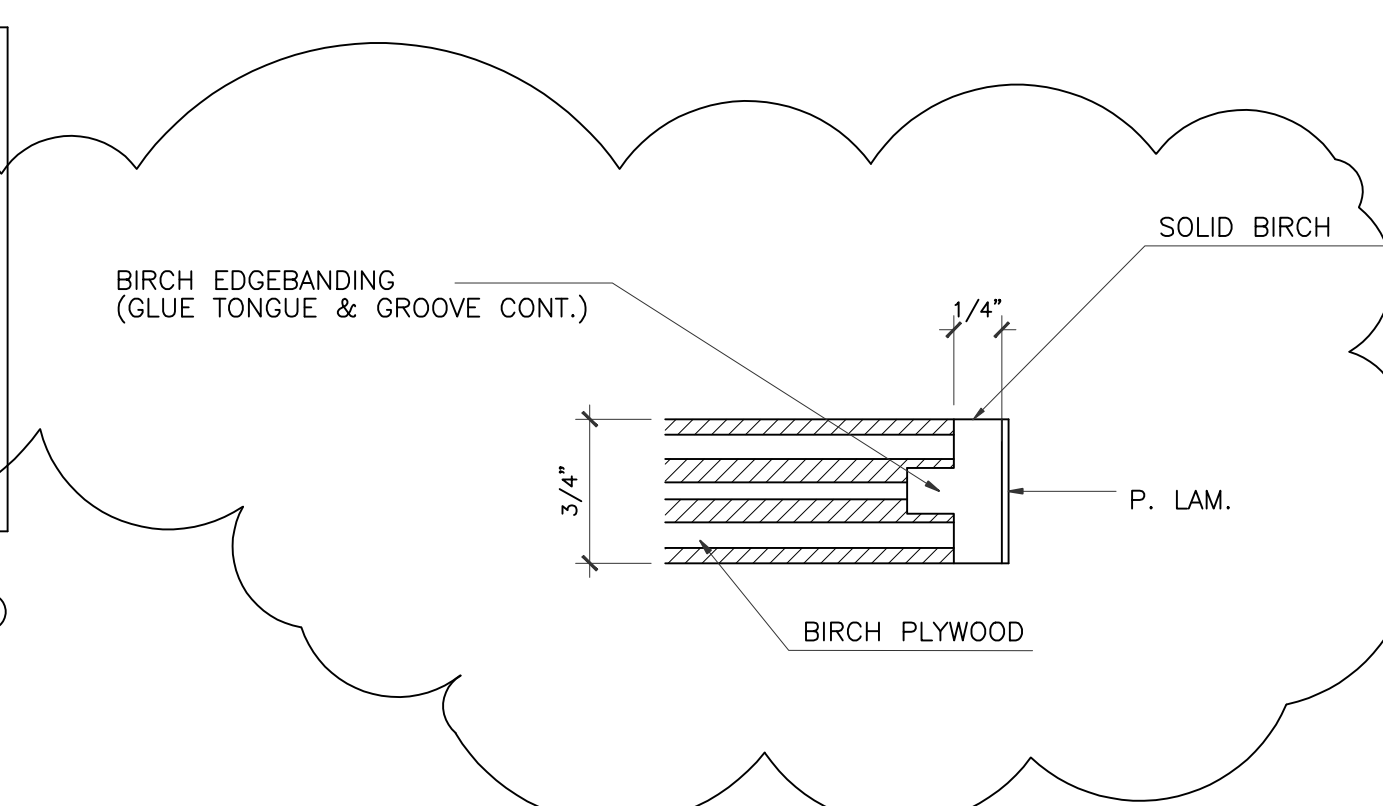
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	09/03/2018	ADDENDUM 3



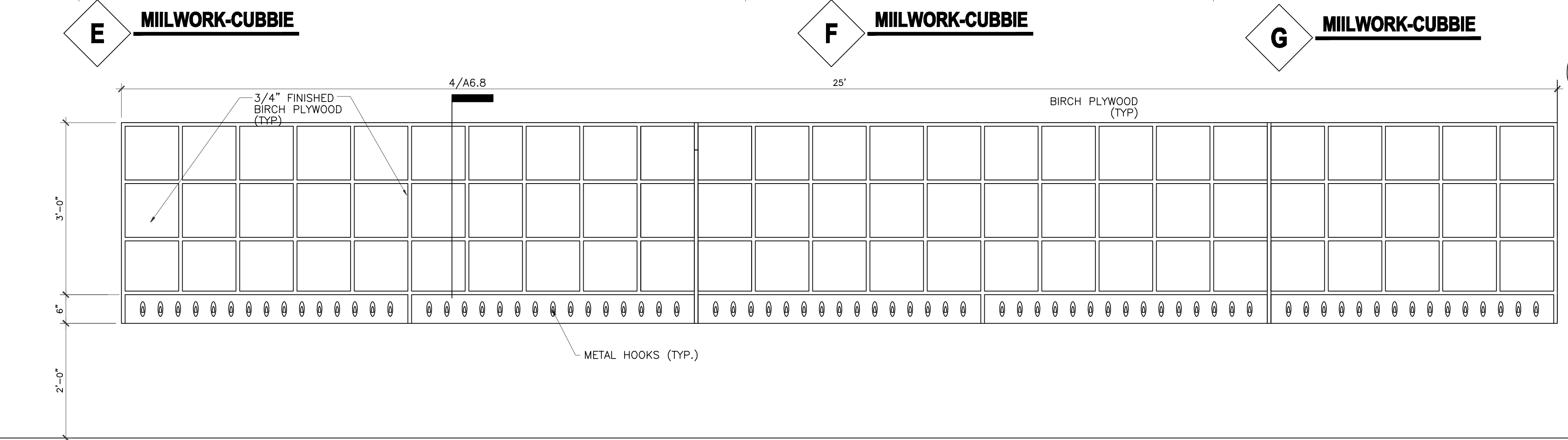
A **A1** **MILWORK-TOYSHELF** **B** **MILWORK-TOYSHELF** **C** **MILWORK-CUBBIE** **D** **MILWORK-CUBBIE**



E **MILWORK-CUBBIE** **F** **MILWORK-CUBBIE** **G** **MILWORK-CUBBIE**

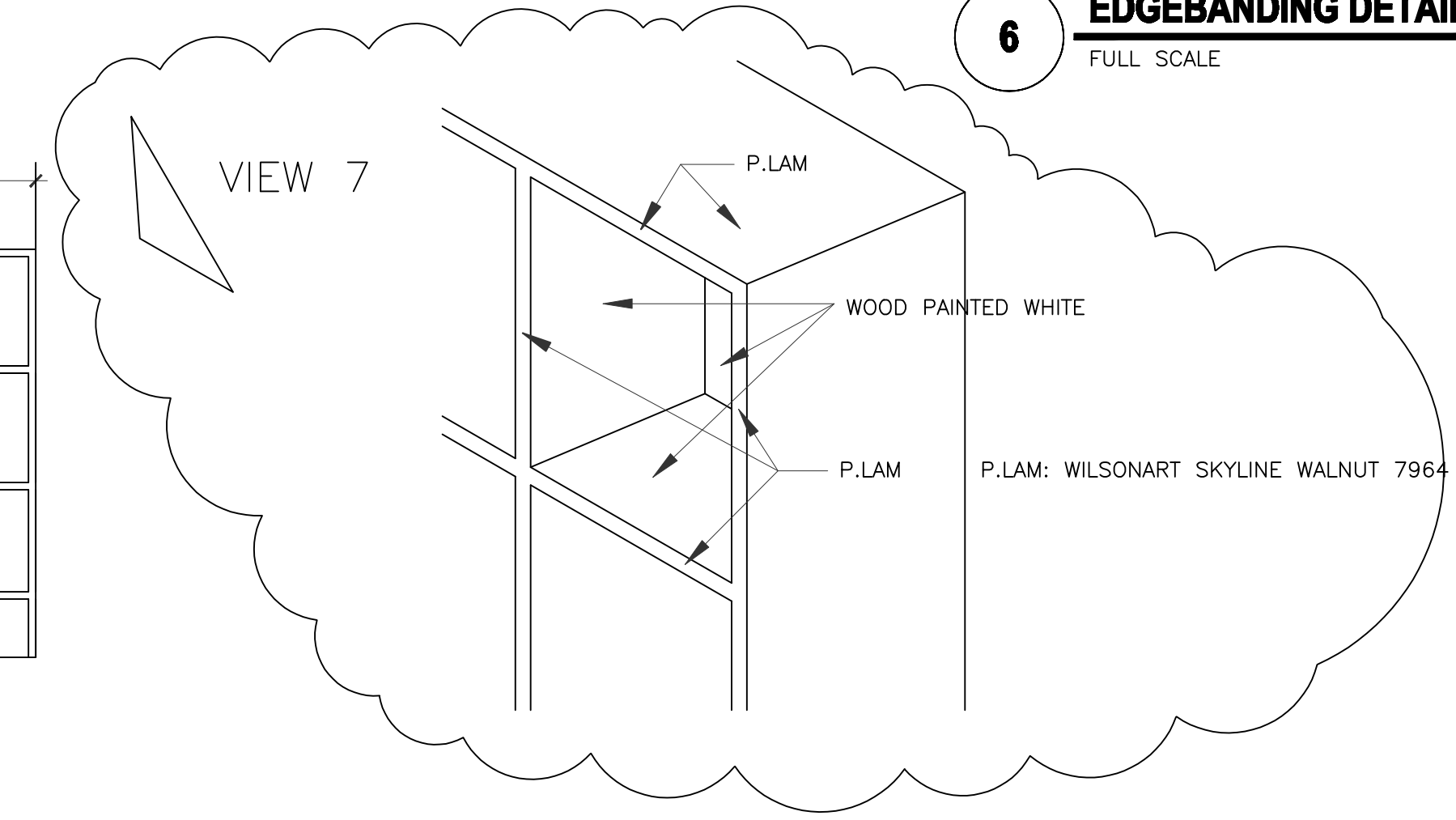


6 **EDGEBOARDING DETAIL**
FULL SCALE



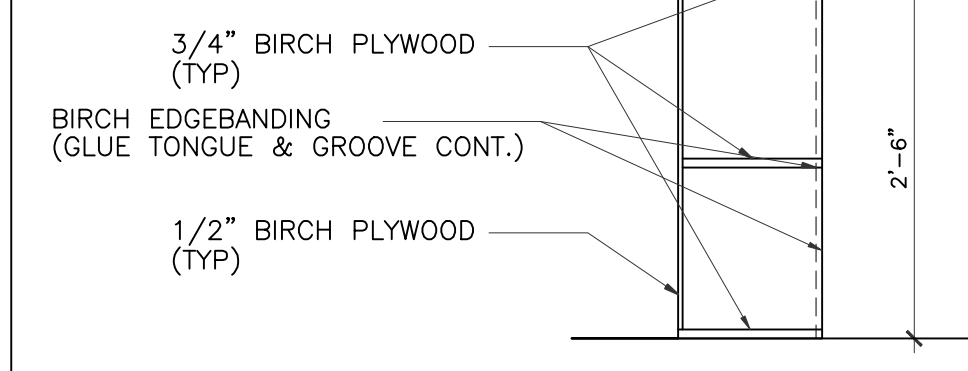
H **MILWORK-CUBBIE**

all interior face of cubbies shall be white

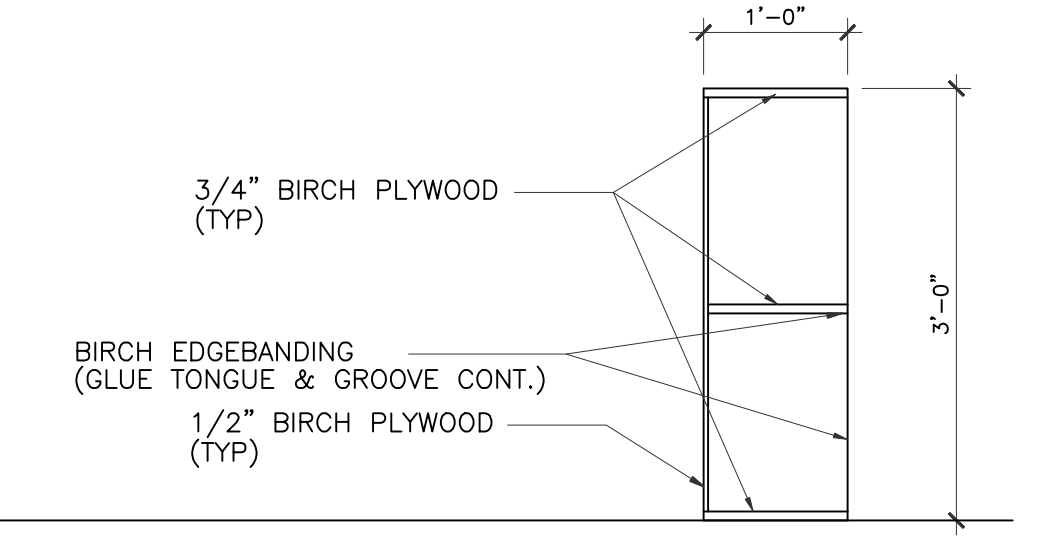


7 **FINISH DETAIL FOR ALL CUBBIES**

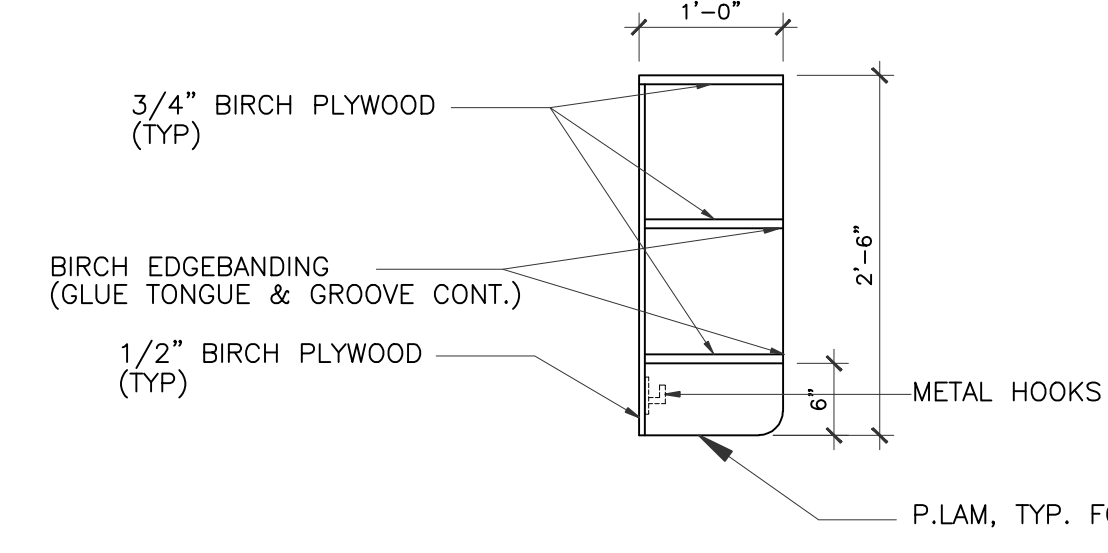
- NOTES:
 1. ALL JOINTS SHALL BE RABBITED/ DADOED AND GLUED
 2. ALL FASTENERS SHALL BE CONCEALED
 3. ALL EXPOSED EDGES SHALL BE EDGEBOARDED



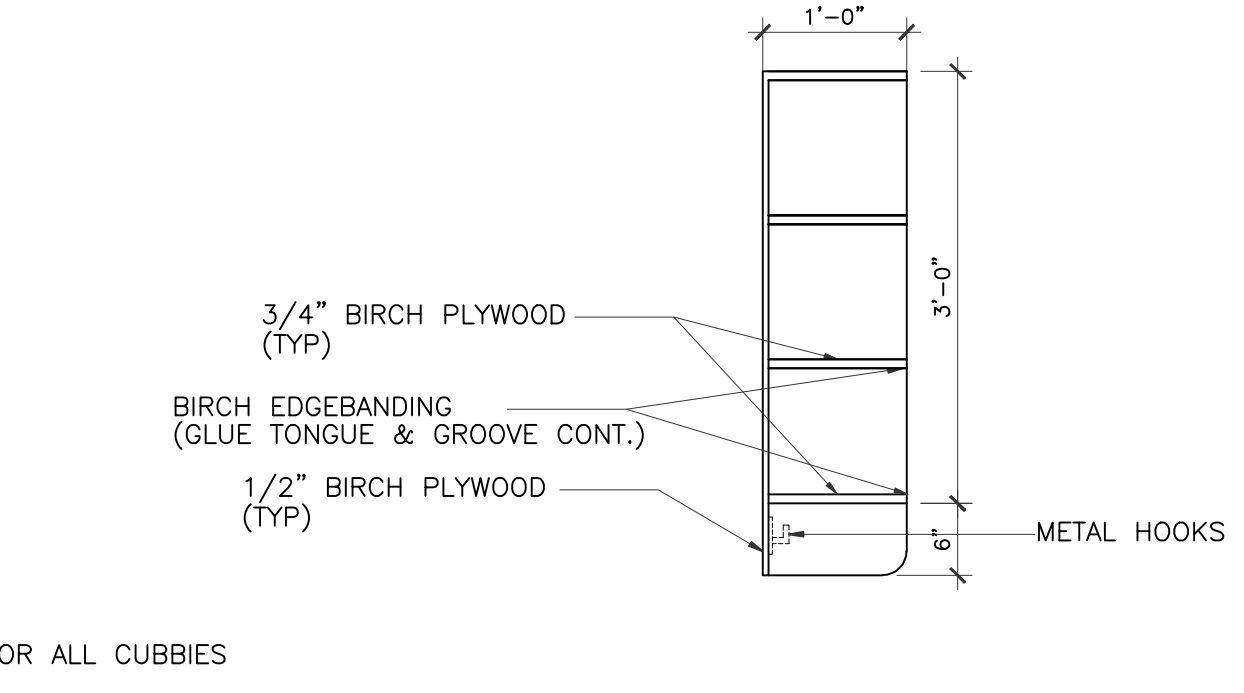
2 **TOY SHELF SECTION**
3/4" = 1'-0"



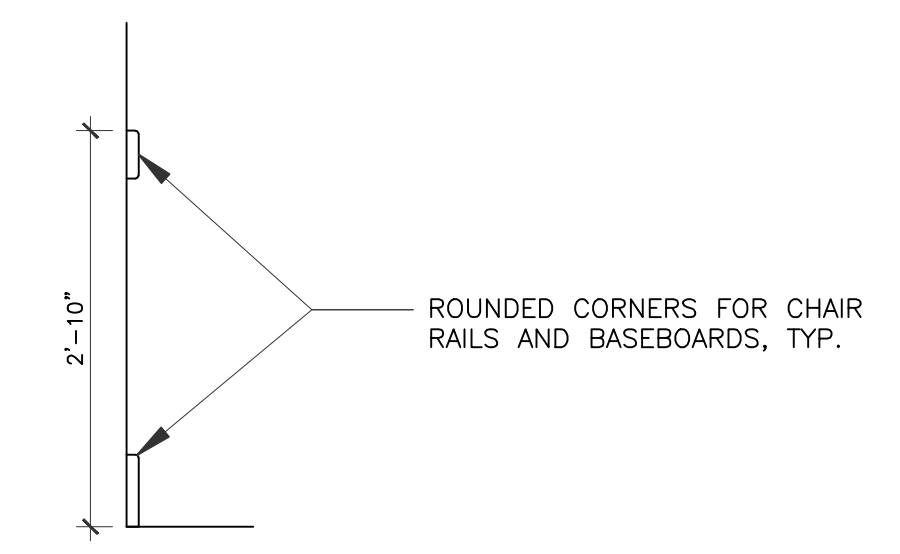
3 **TOY SHELF SECTION**
3/4" = 1'-0"



4 **CUBBIE SECTION**
3/4" = 1'-0"



5 **CUBBIE SECTION**
3/4" = 1'-0"



8 **CHAIR RAIL AND BASEBOARD DETAIL**
3/4" = 1'-0"

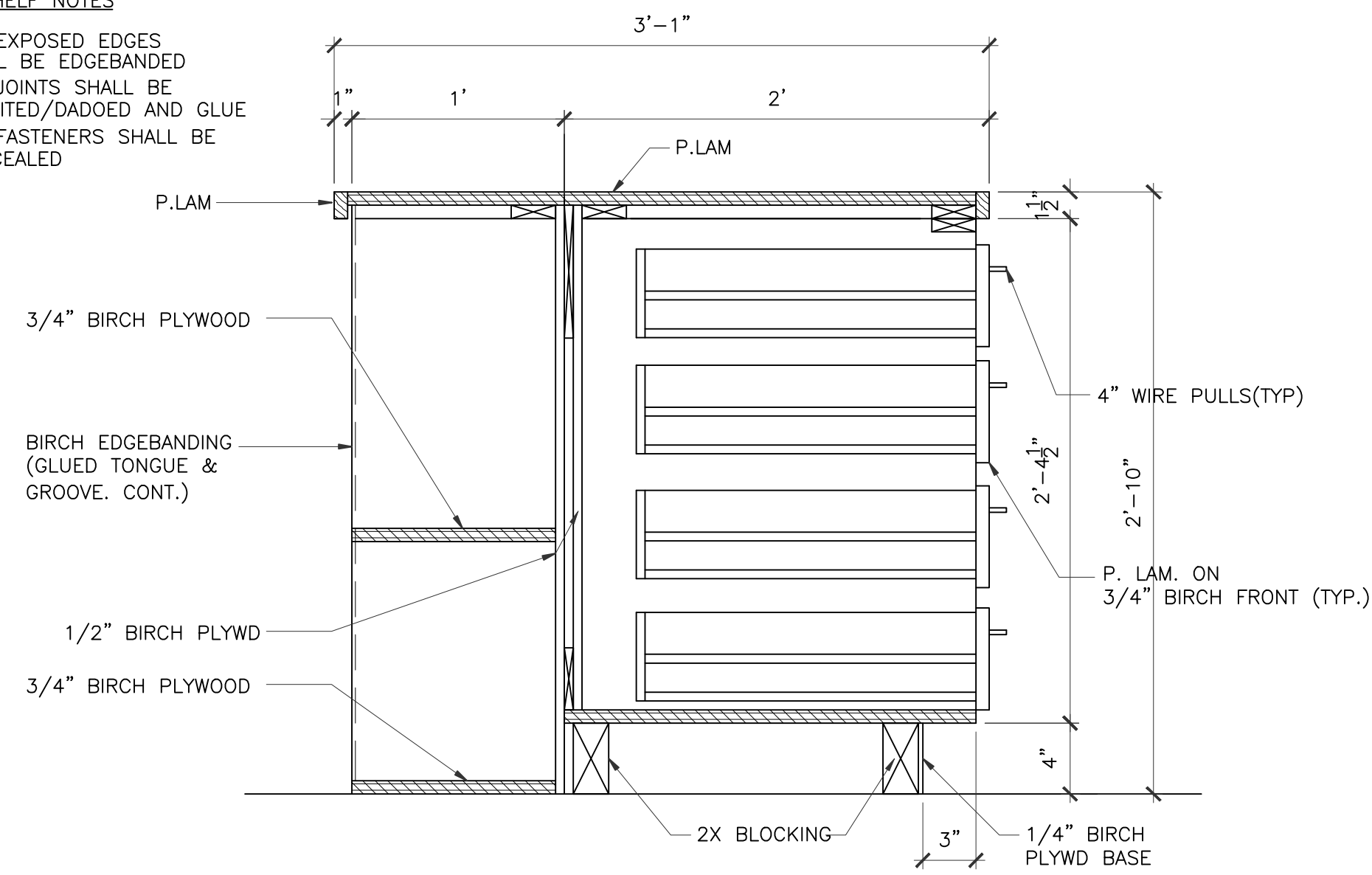
MY KIDS EARLY LEARNING CENTER
 4434 CR 94
 Manvel, Tx 77578



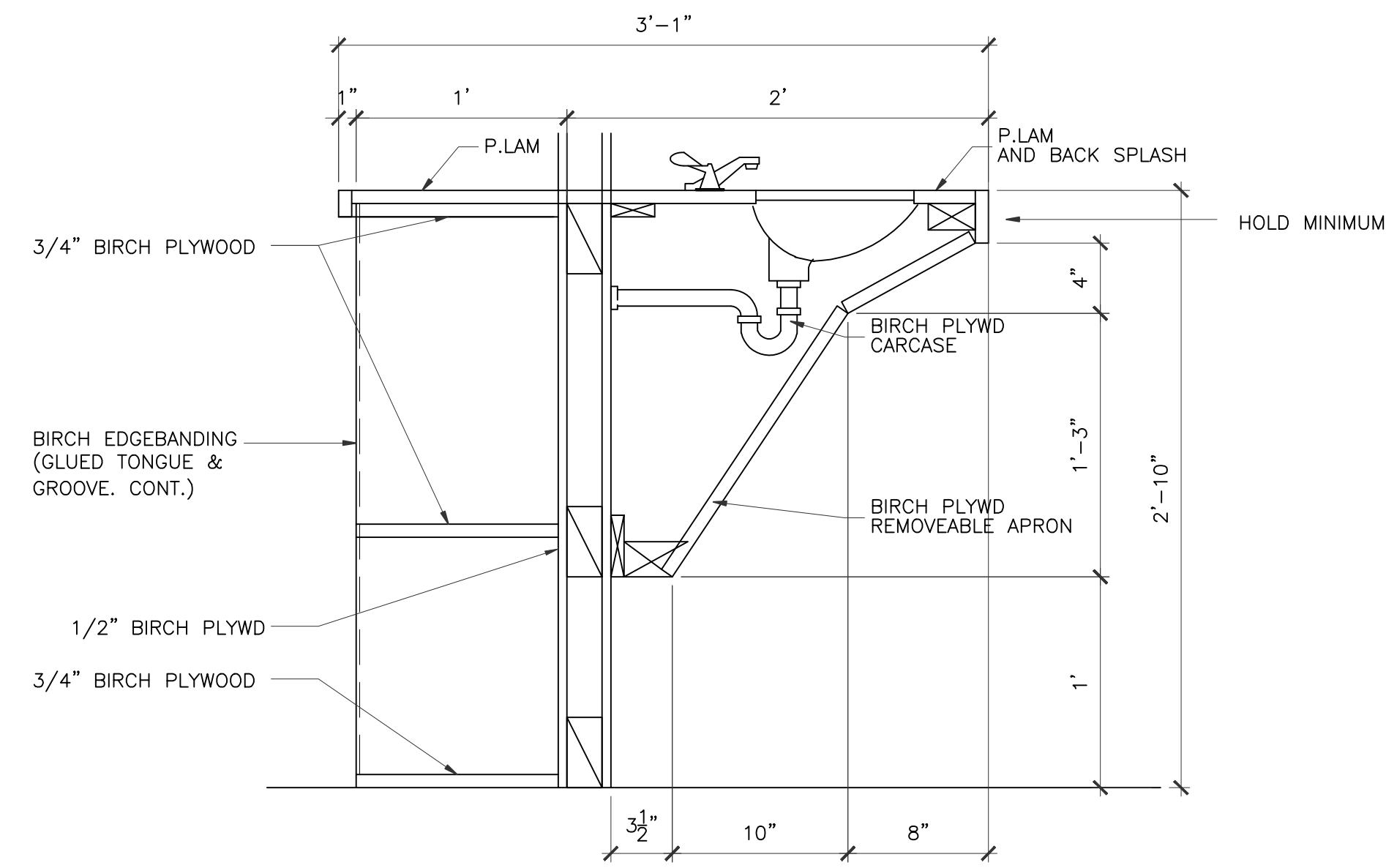
01/09/2018
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CUBBIES & TOY SHELVES
 DRAWN BY
 CHECKED BY
 JC
 DATE
 03/30/2017
 JOB NO.
 gleannloch
 DRAWING NO.
A-6.8

TOY SHELF NOTES

1. ALL EXPOSED EDGES SHALL BE EDGEBANDED
2. ALL JOINTS SHALL BE RABBITED/DADOED AND GLUE
3. ALL FASTENERS SHALL BE CONCEALED

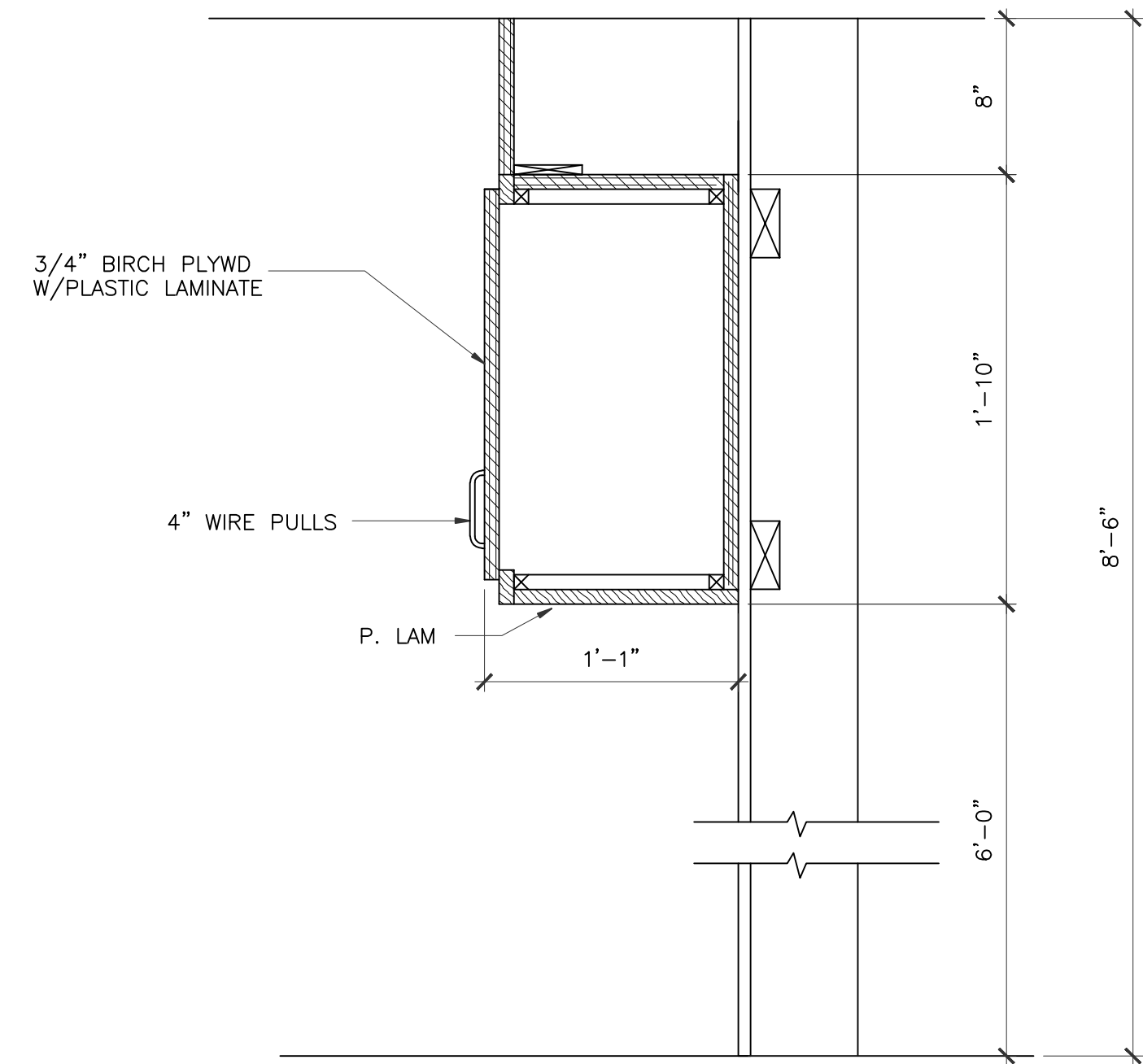


1 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
CLASSROOM #100, #150, #200

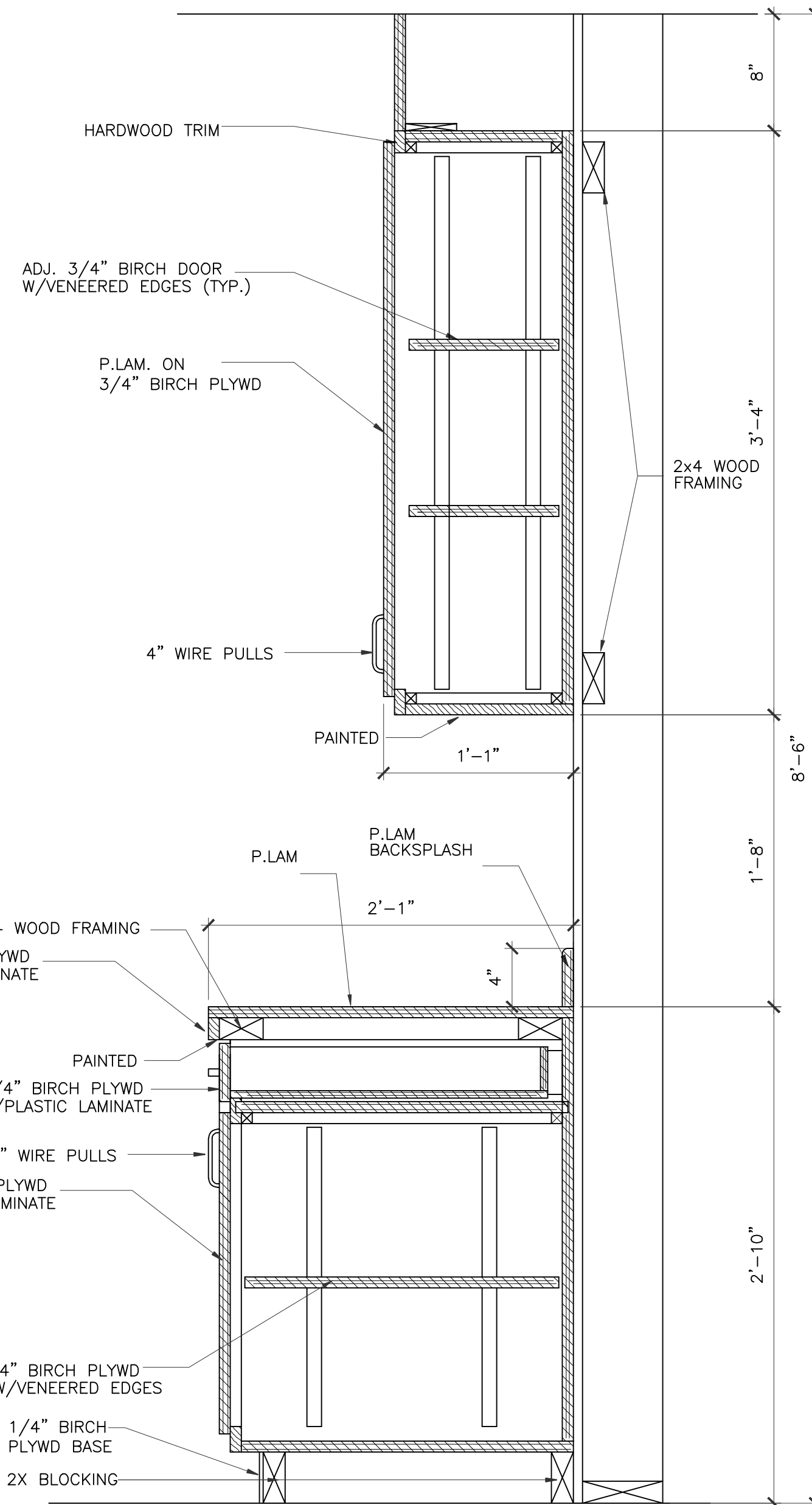


2 MILLWORK SECTION
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CLASSROOM #100, #150, #200

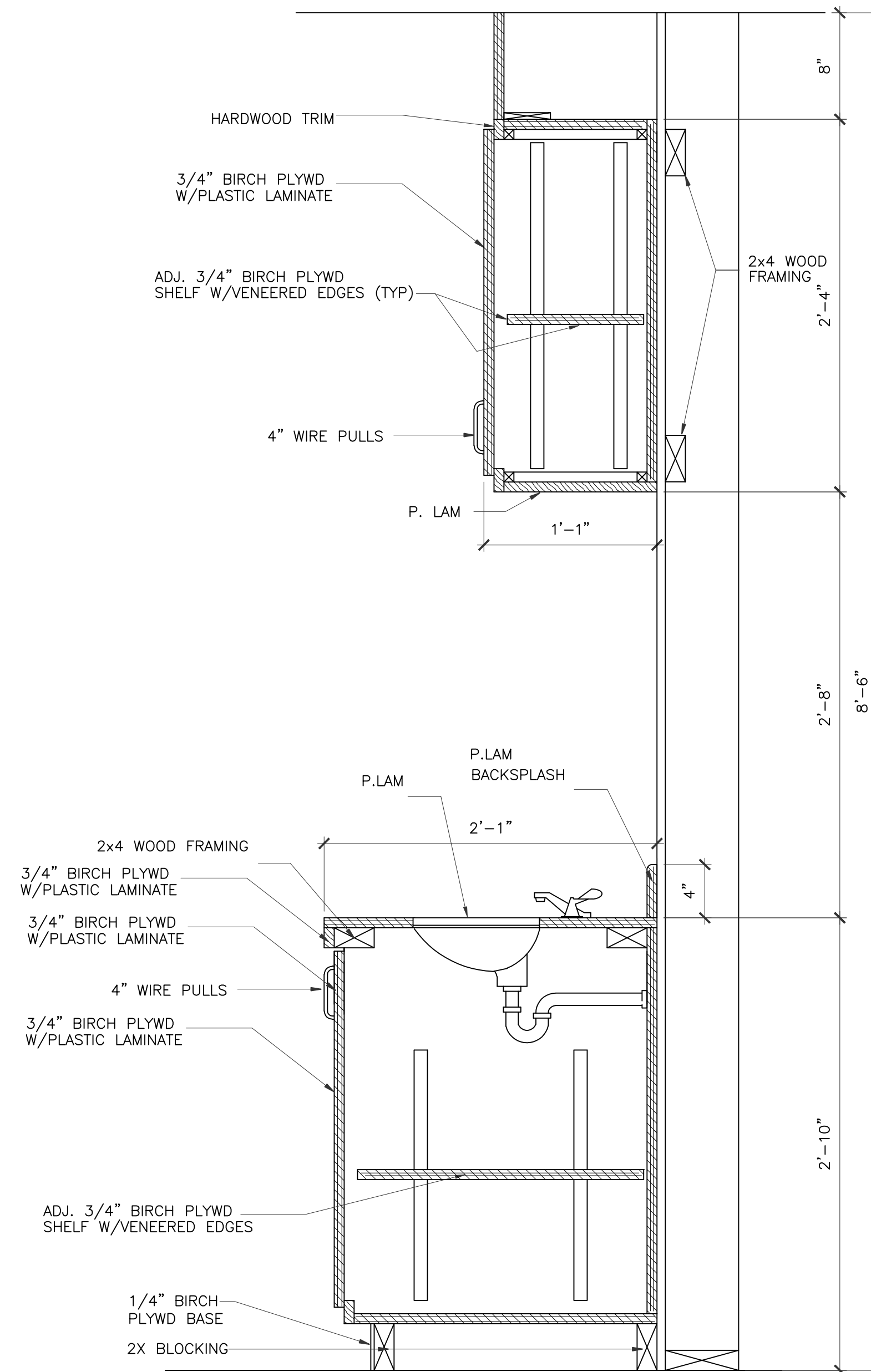
NOTE:
THESE DIMENSIONS MUST BE MAINTAINED TO MEET ADA REQUIREMENTS



5 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
CLASSROOM #100, #150, #200



3 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
CLASSROOM #100, #150, #200



4 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
CLASSROOM #100, #150, #200

P. LAM Counter Top, Splash AND Return:
Pionite Phantasy PH 7001

P. LAM Cabinet: Wilsonart Skylite Walnut
7964

REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	07/20/2018	
2	09/03/2018	PRING ADDENDUM 3

Ivy Kids Early Learning Center
300 N. COIT ROAD
McKinney Texas 75035

Developer
K&R Frisco Ivy LLC
joy@southerngraceclothing.com

Civil Engineer
Structural Engineer
Mission Engineering, Inc.
10370 Richmond Ave.
Houston Tx. 77072
713 981 0018

MEP
CT Keng
832 452 5370



J C CHENG ARCHITECT
TX Reg. Arch No. 09305
jc@jccarch.com

DRAWN BY	CHECKED BY
DATE	JOB NO.
05052018	mckinney-1

DRAWING TITLE

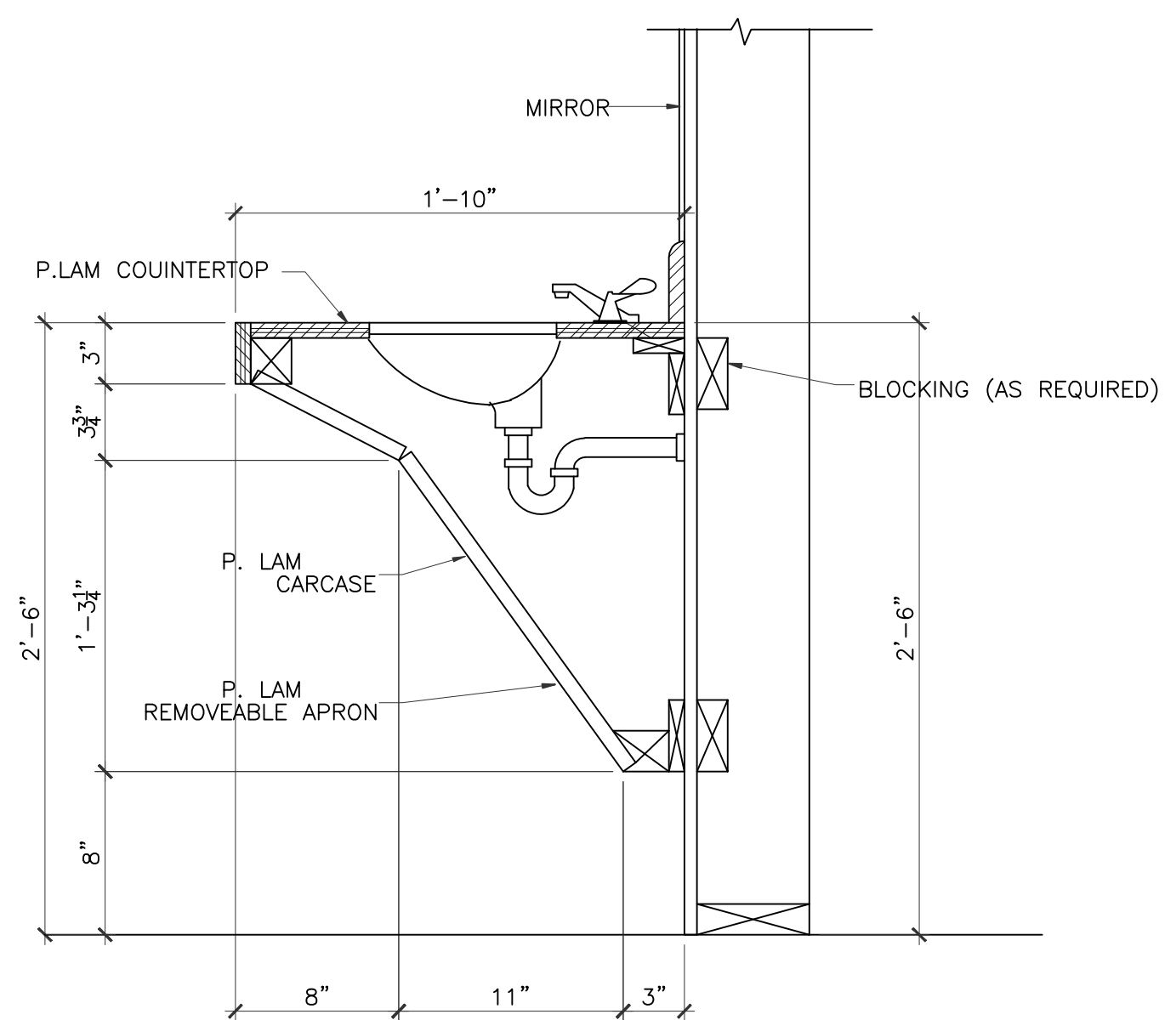
MILLWORK SECTIONS

DRAWING NO.

A-8.0

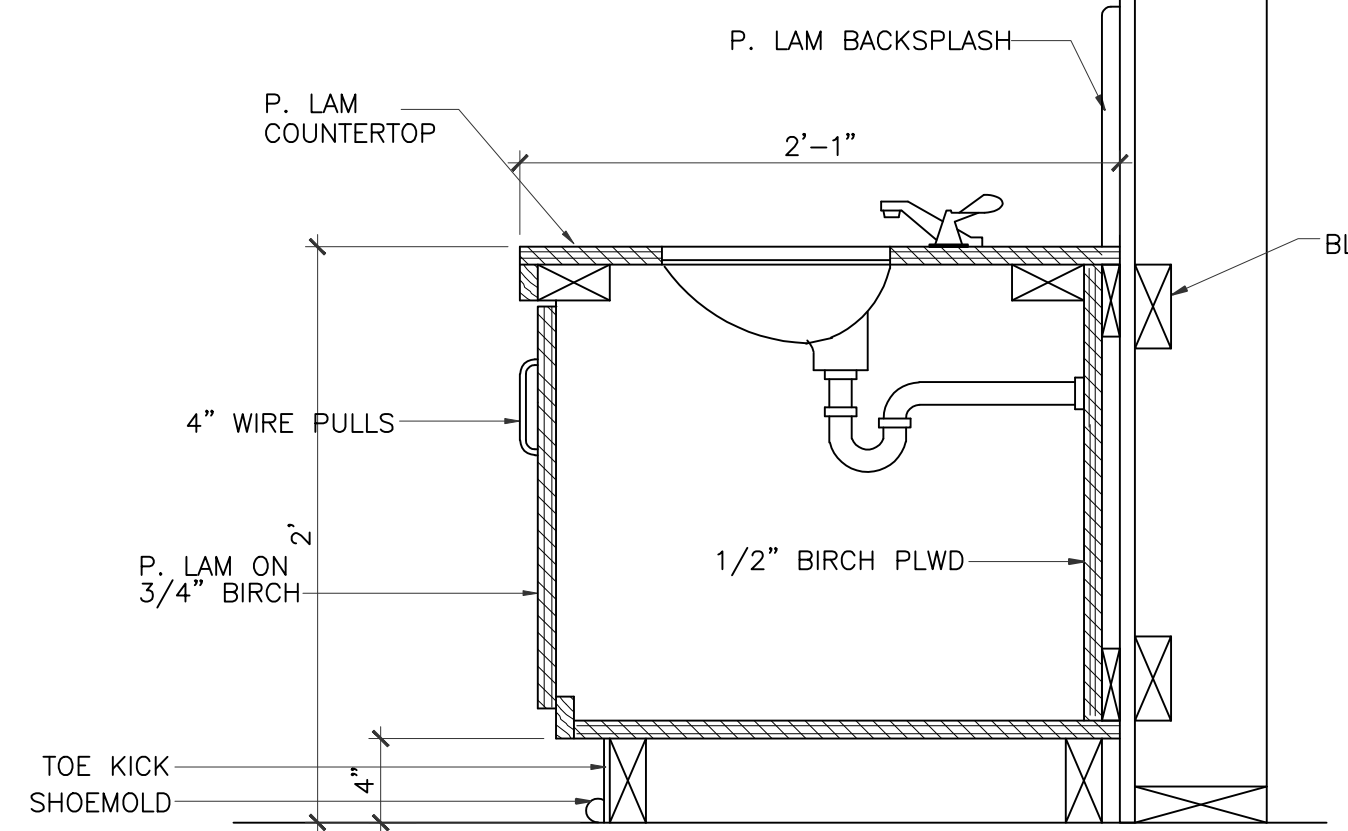
REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	09/03/2018	ADDENDUM 3

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
Manvel, Tx 77578



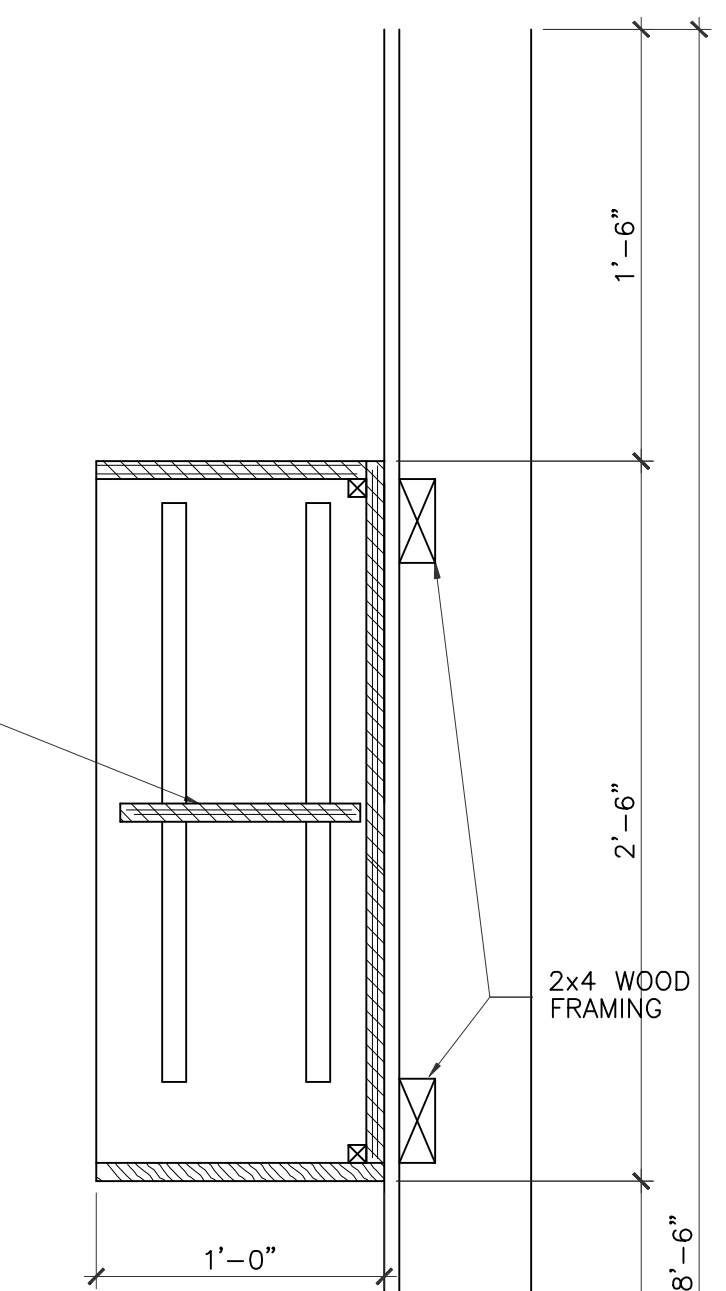
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 SCALE: 1 1/2"=1'-0"
 CLASSROOM #250, #300, #350, #400, #450, #500, #550, ACTIVITY ROOM

NOTE:
 THESE DIMENSIONS MUST BE MAINTAINED
 TO MEET ADA REQUIREMENTS



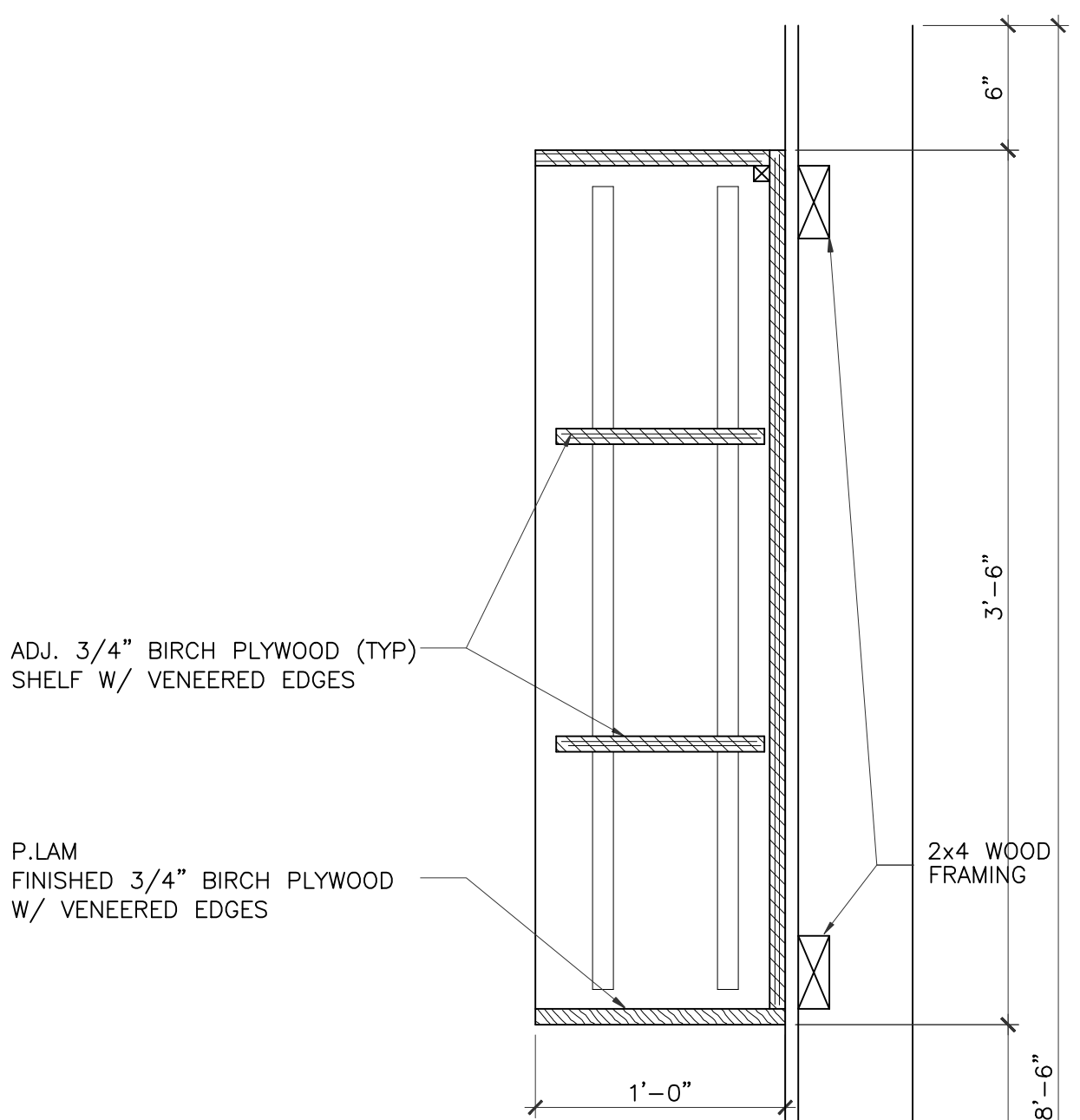
2 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 CLASSROOM #200, #250, #300, #350

ADJ. 3/4" BIRCH PLYWOOD (TYP)
 SHELF W/ VENEERED EDGES



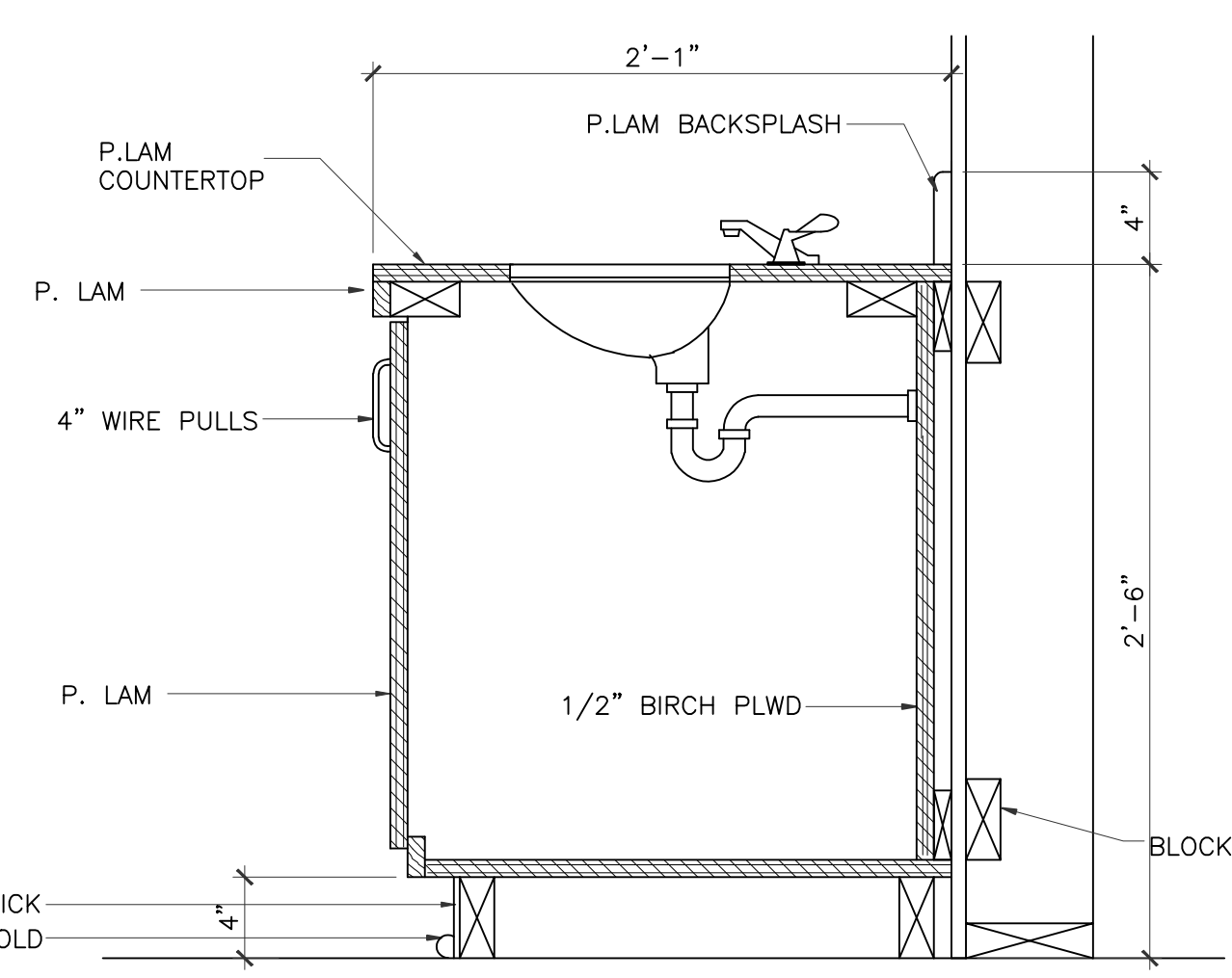
7 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 CLASSROOM #250

ADJ. 3/4" BIRCH PLYWOOD (TYP)
 SHELF W/ VENEERED EDGES



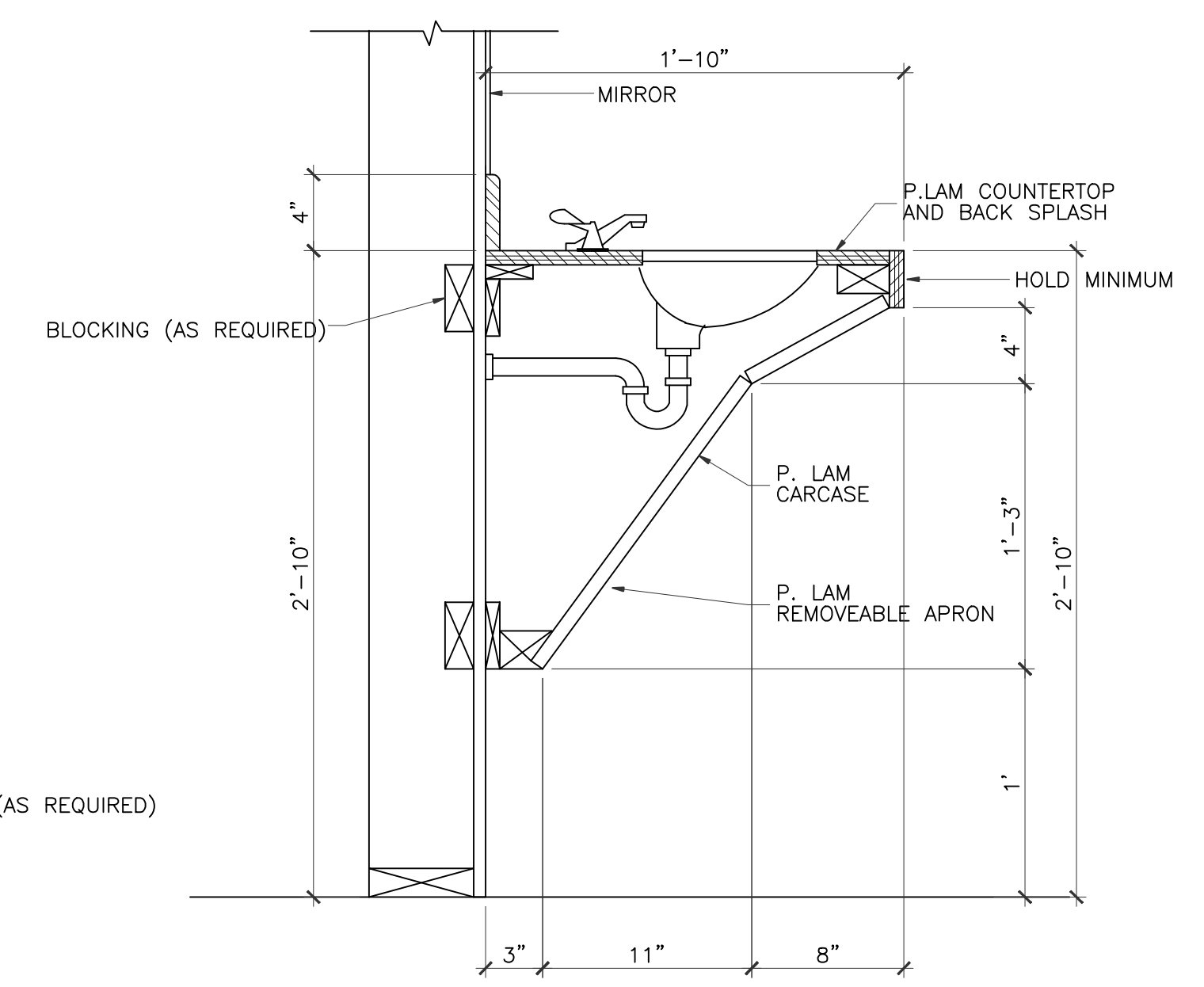
8 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 CLASSROOM #450

P. LAM COUNTER TOP/SPALSH/RETURE: Pionite Pahnstasy PH7001
 P. LAM CABINET / CASE WORK: Wilsonart Skyline Walnut 7964



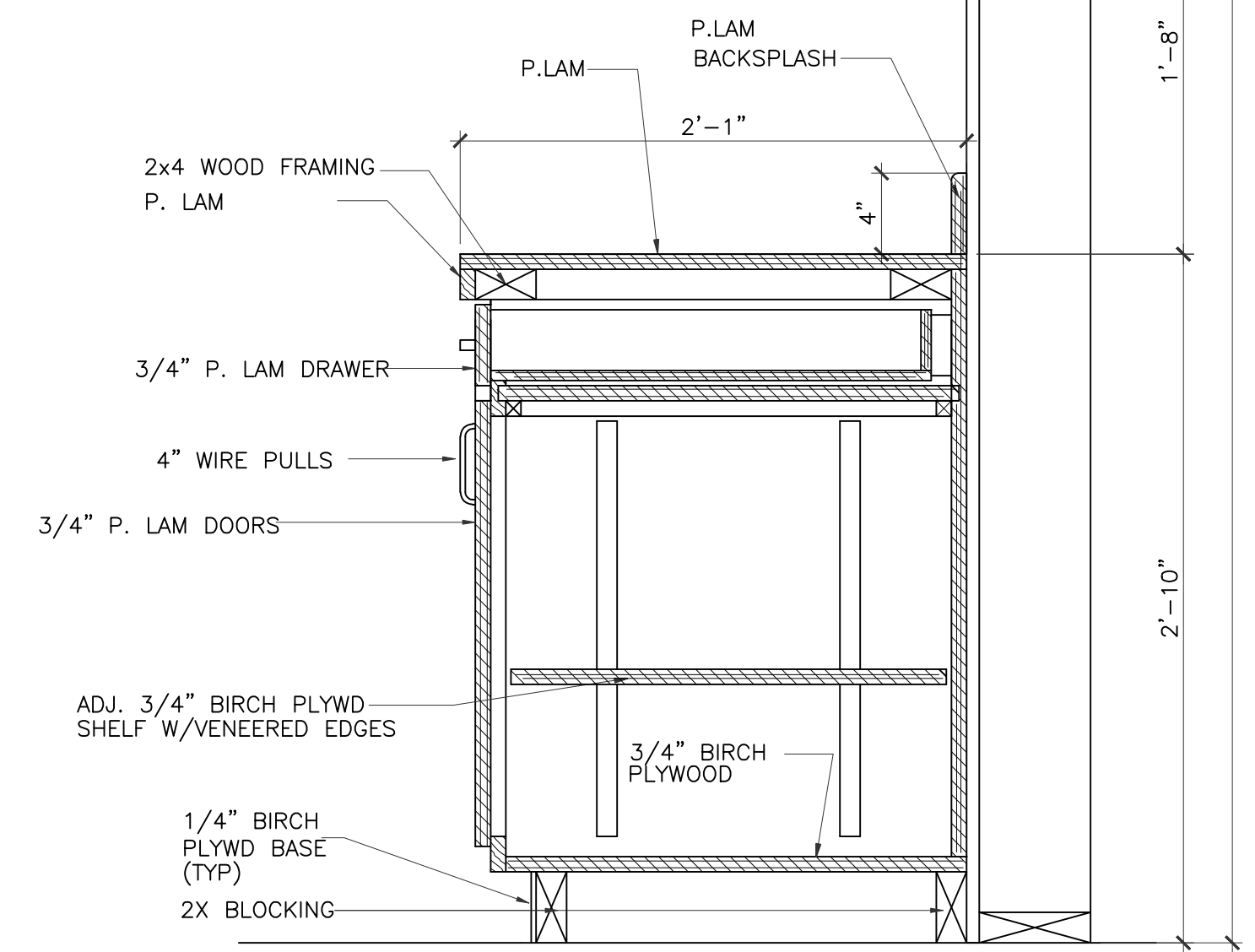
3 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 CLASSROOM #400, #450, #500, #550, ACTIVITY ROOM

P. LAM COUNTER TOP/SPALSH/RETURE: Pionite Pahnstasy PH7001
 P. LAM CABINET / CASE WORK: Wilsonart Skyline Walnut 7964

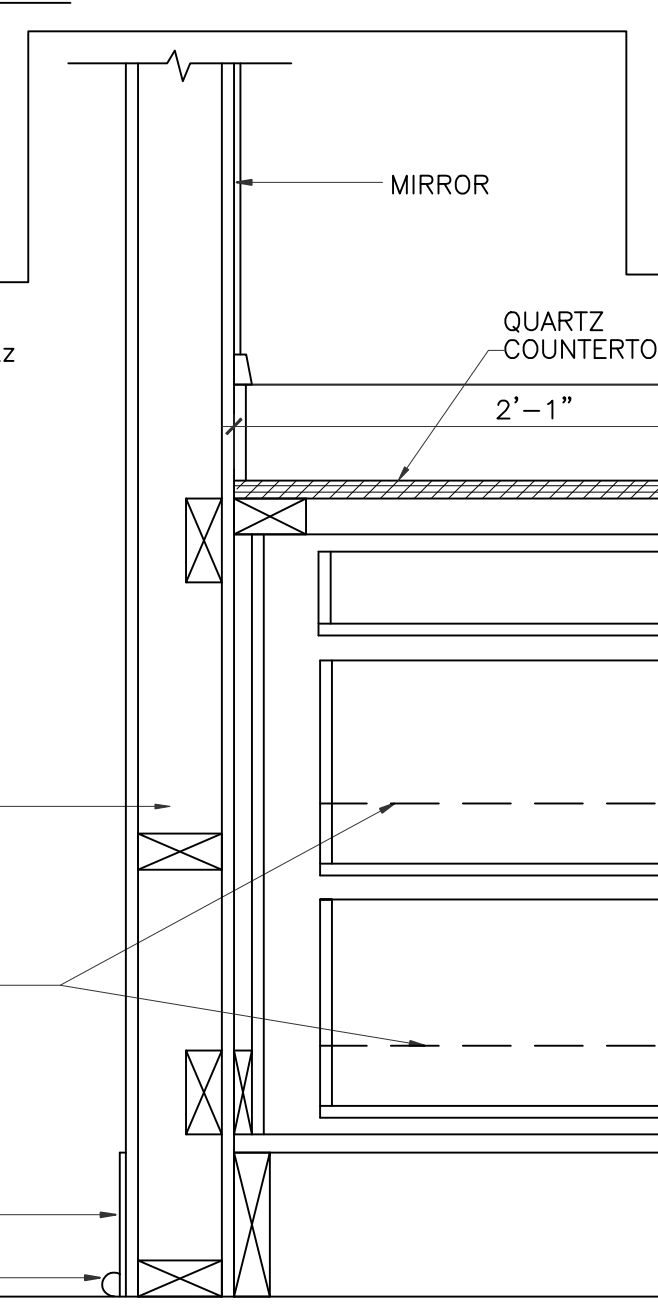


4 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 LUNCHROOM RESTROOM,

NOTE:
 THESE DIMENSIONS MUST BE MAINTAINED
 TO MEET ADA REQUIREMENTS

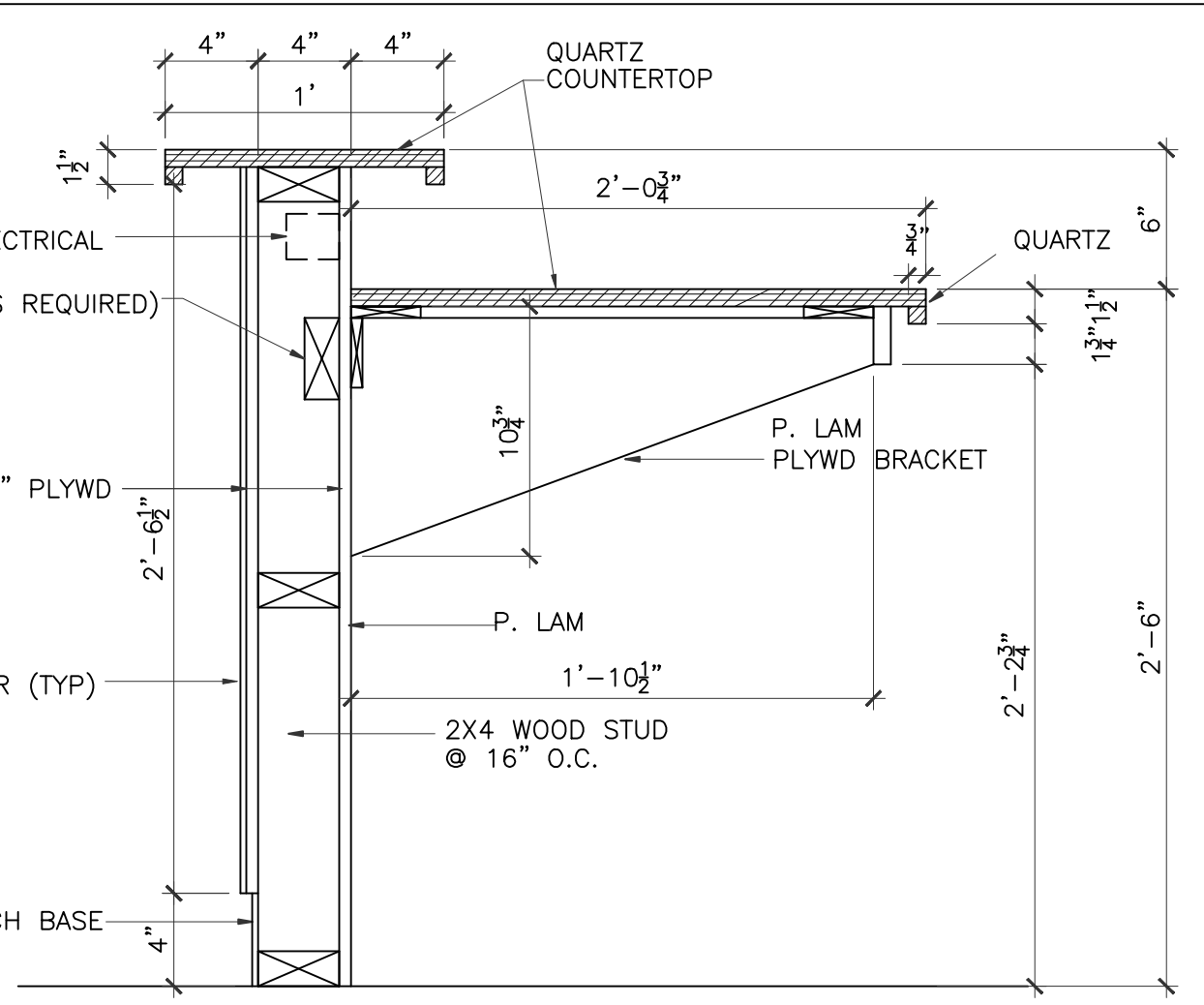


COUNTER TOP/SPALSH/RETURN: Bianco Venato Quartz
 P. LAM CABINET / CASE WORK: WILSONART
 SKYLINE WALNUT 7964

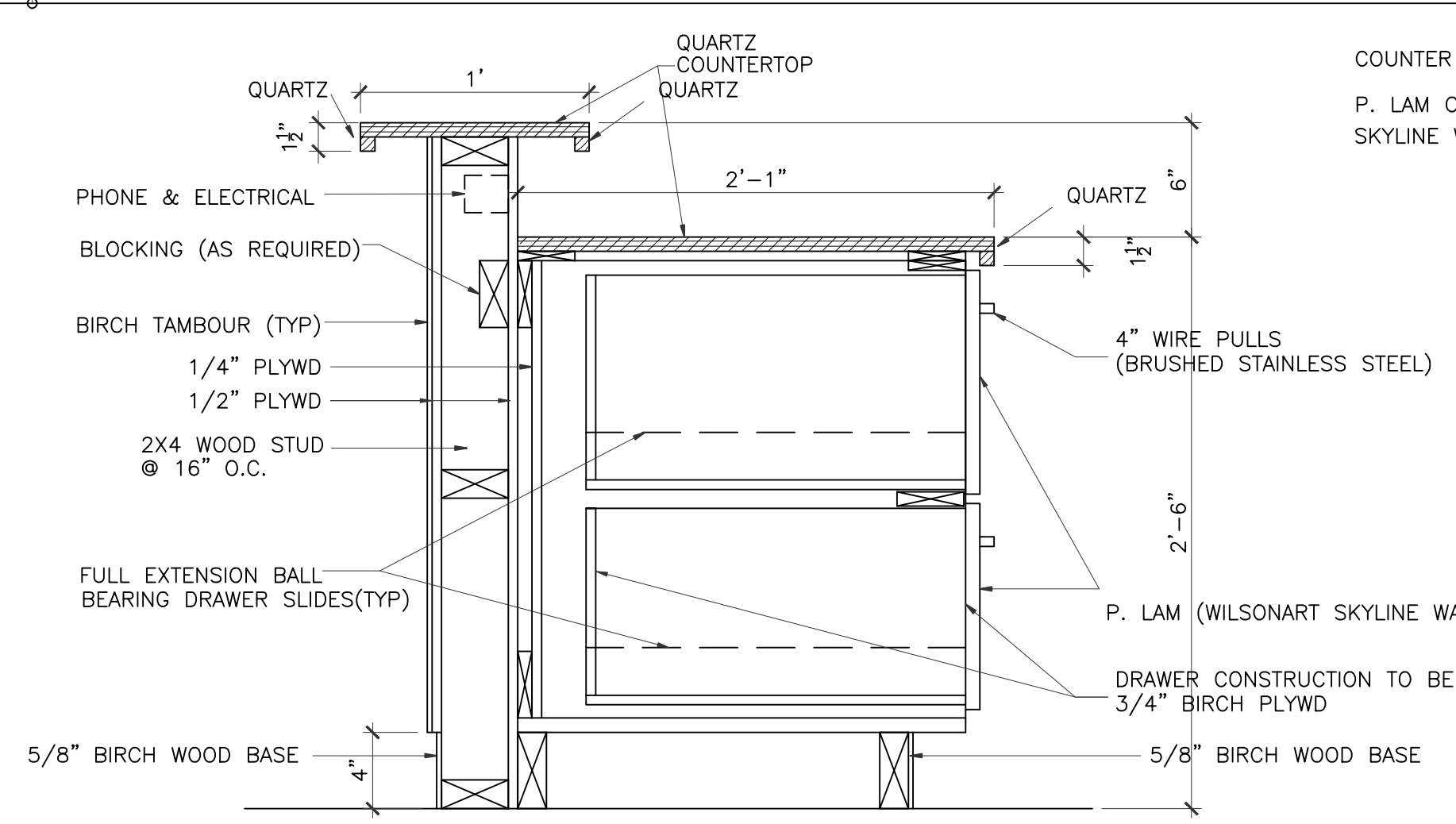


9 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 RECEPTION

COUNTER TOP/SPALSH/RETURN: Bianco Venato Quartz
 P. LAM CABINET / CASE WORK: Wilsonart
 Skyline Walnut 7964

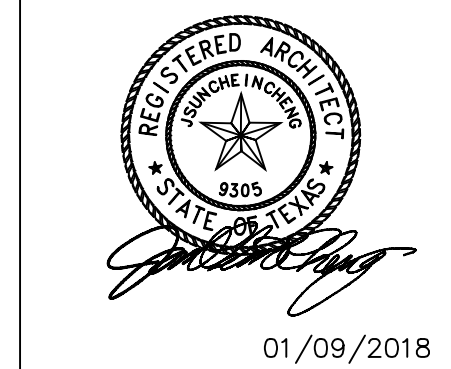
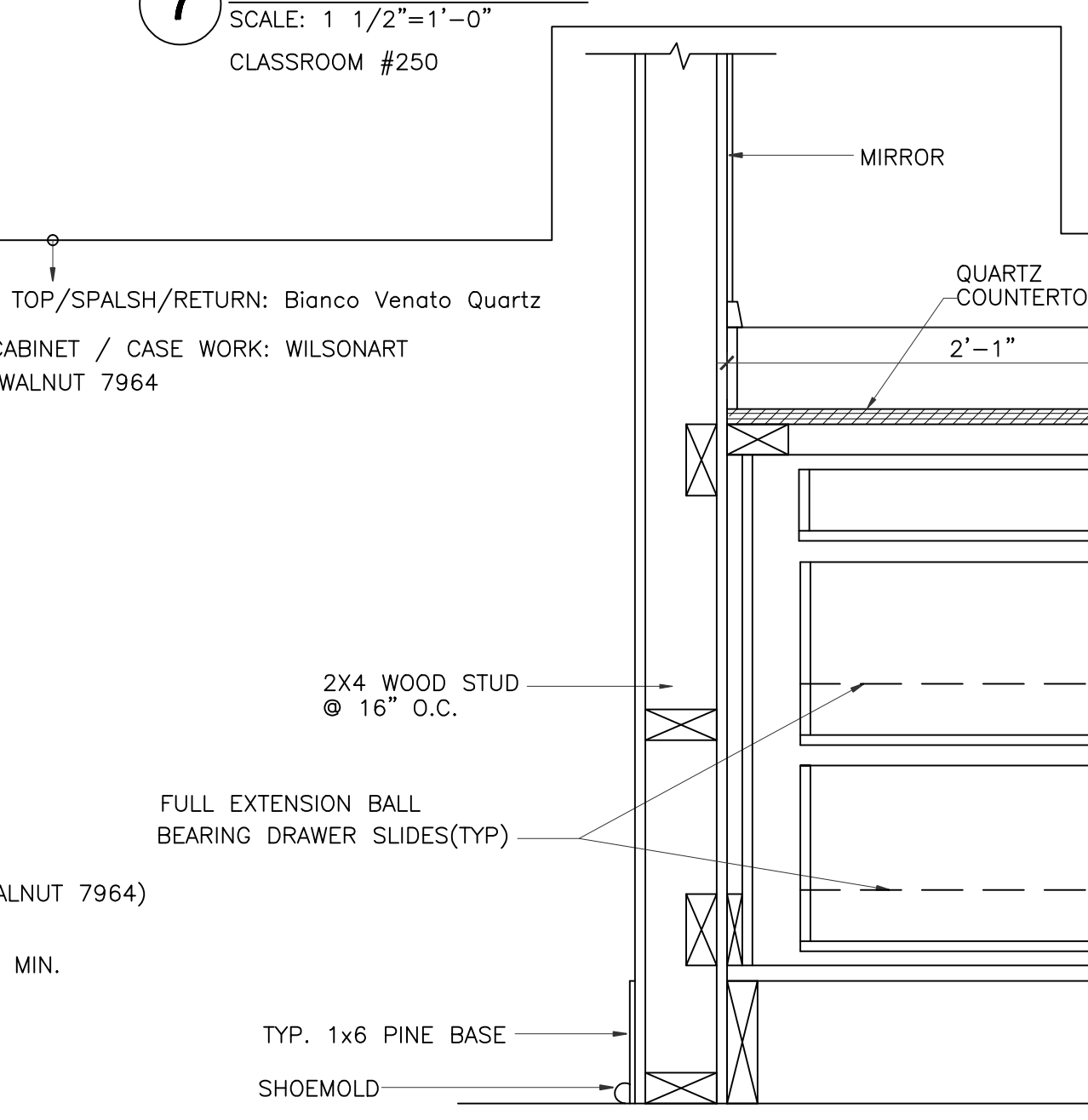


5 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 RECEPTION



6 MILLWORK SECTION
 SCALE: 1 1/2"=1'-0"
 RECEPTION

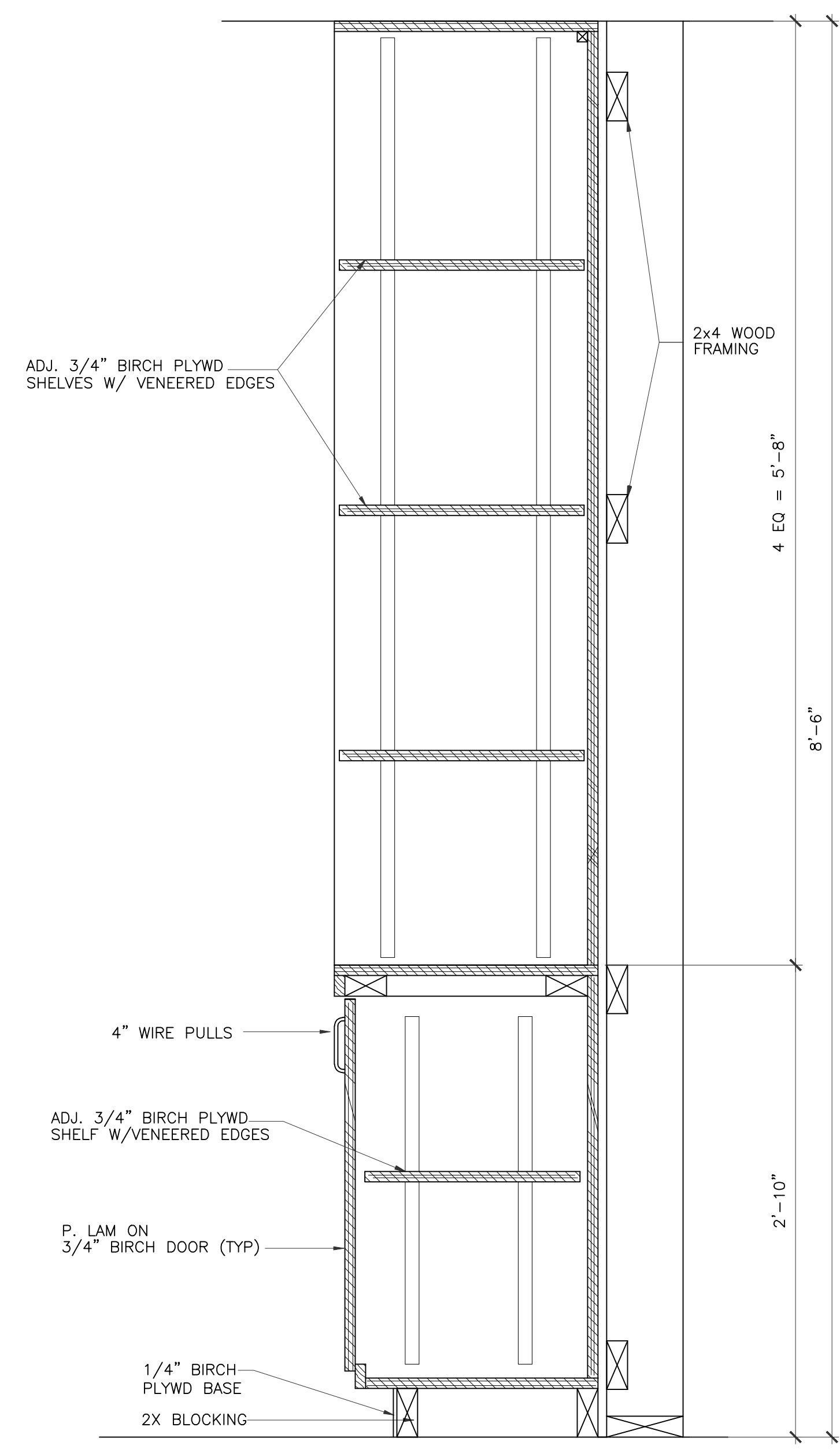
NOTE:
 EDGEBAND ALL EXPOSED (VISIBLE) EDGES
 ON DRAWER AND CABINET FACES.



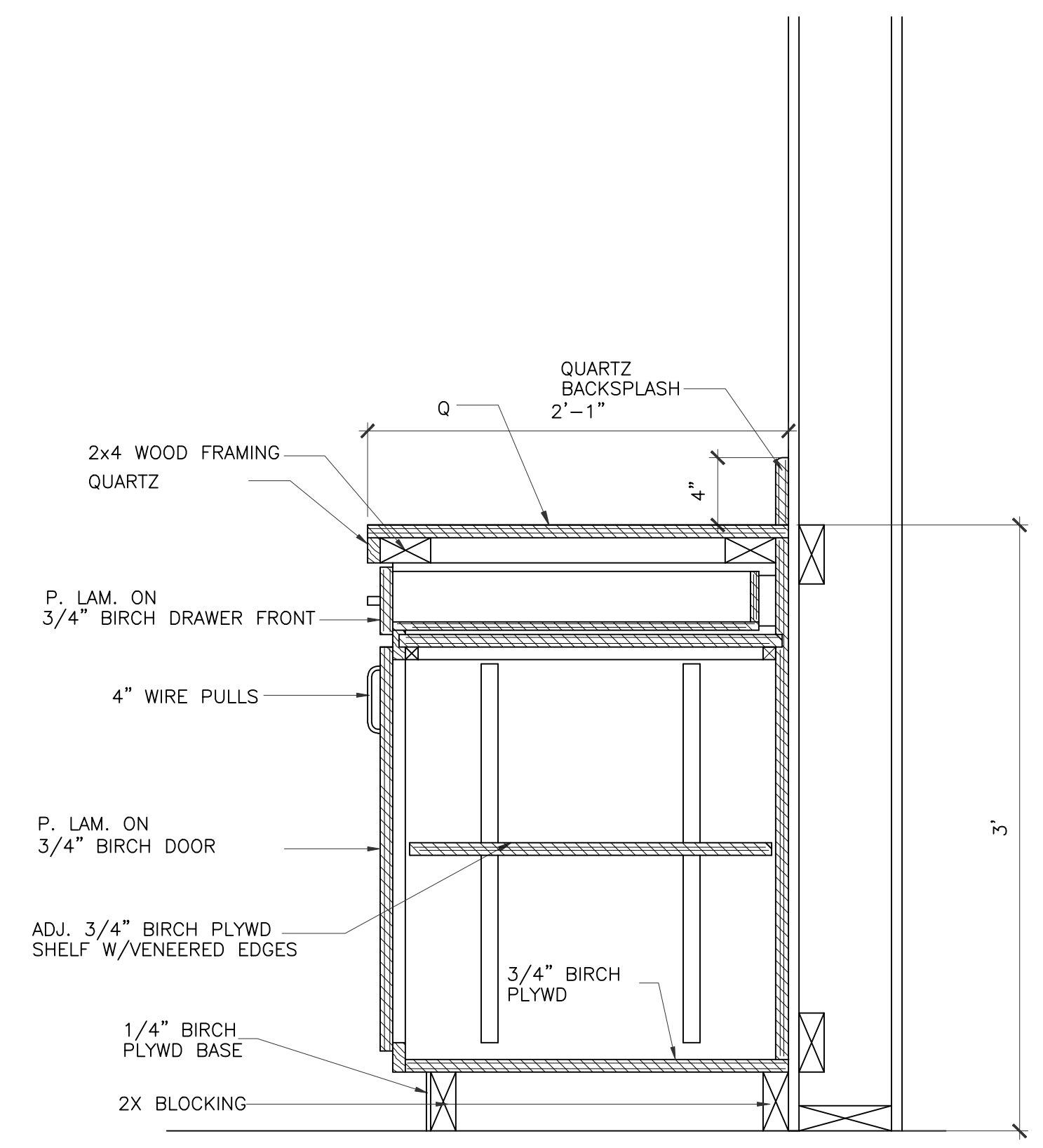
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MILLWORK SECTIONS	
DRAWN BY	CHECKED BY
DATE	JOB NO.
DRAWING	

A-8.1

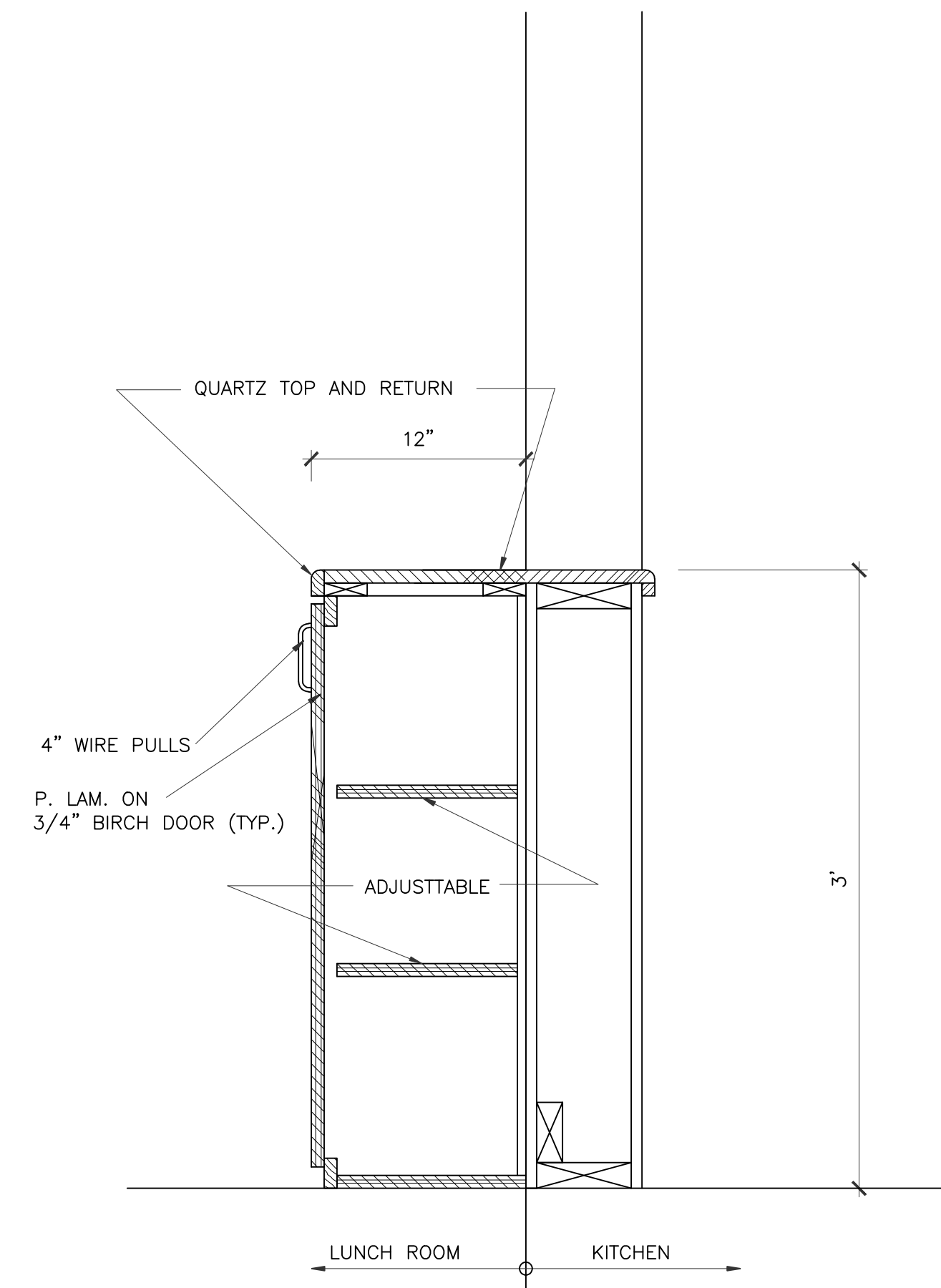
REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING
2	09/03/2018	ADDENDUM 3



1 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
RECEPTION



2 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
KITCHEN



3 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"
KITCHEN/LUNCH ROOM

IVY KIDS EARLY LEARNING CENTER
4434 CR 94
Manvel, Tx 77578



01/09/2018

DRAWING TITLE

MILLWORK SECTIONS

DRAWN BY: JC CHECKED BY: JC

DATE: 03/30/2017 JOB NO.: gleannloch

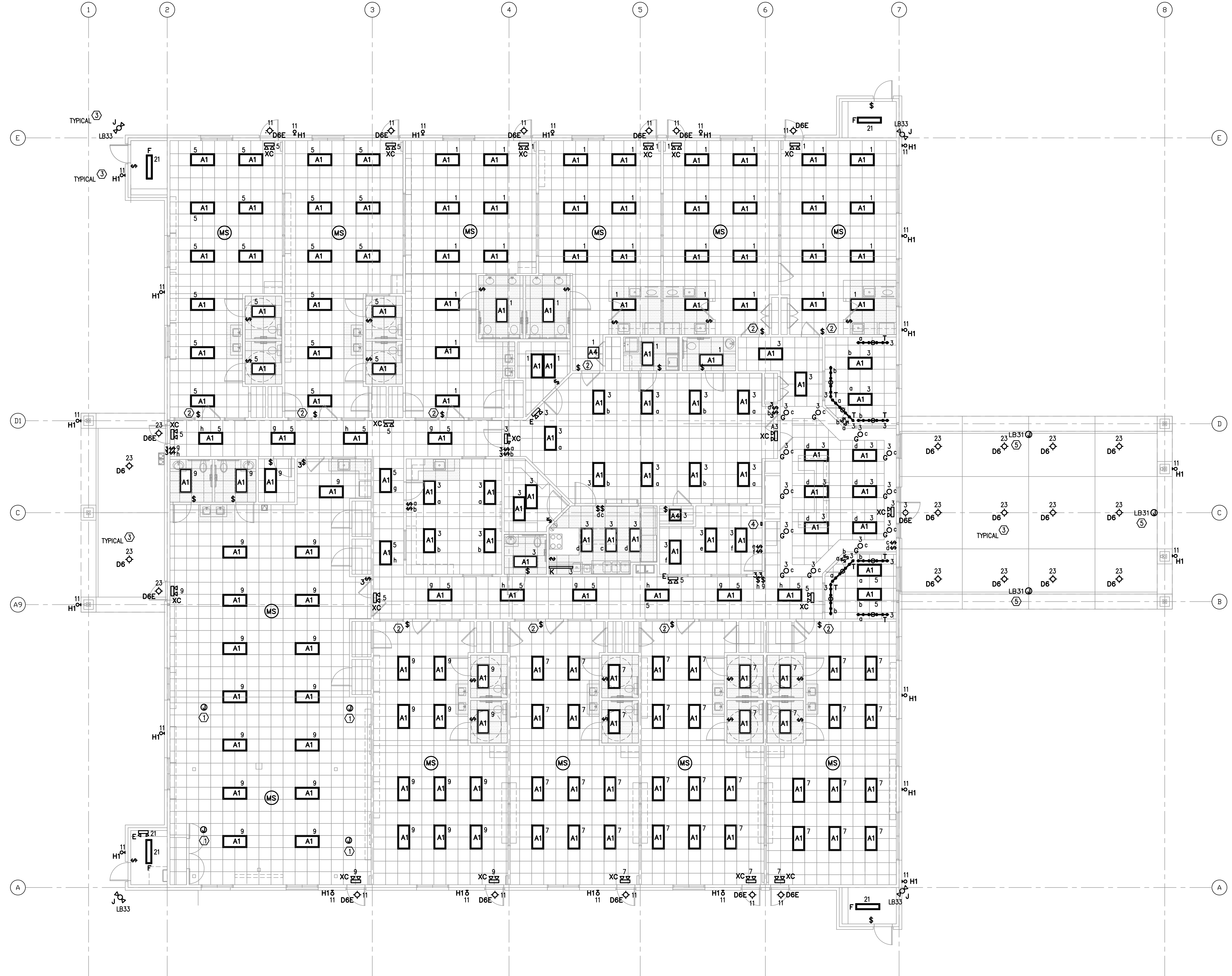
DRAWING NO. **A-8.2**

GENERAL NOTES

- LIGHTING FIXTURE SUBSCRIPTS INDICATE FIXTURE TYPE, CONTROLLING SWITCH AND CIRCUIT NUMBER.
IE: A_3^5 A INDICATES FIXTURE TYPE.
3 INDICATES CIRCUIT NO. 3, PANEL HA
5 INDICATES CIRCUIT NO. 3, PANEL LB
o INDICATES CONTROLLING SWITCH
- REFER TO E5.0 FOR PANEL SCHEDULES. REFER TO E7.0 FOR LIGHT FIXTURE SCHEDULE.
- PROVIDE UNSWITCHED HOT LEG TO EMERGENCY BATTERY BACKUP SYSTEM.
- (MS) MOTION SENSOR FOR LOCAL ROOM.
PASSIVE INFRARED AREA SENSOR; WATTSTOPPER C1-200 WITH 30 MINUTE TIME DELAY.
- MORE EXIT SIGNS AND EMERGENCY LIGHTING MAY BE REQUIRED AT FINALS.

KEYED NOTES

- LOCATION OF SURROUND SOUND SPEAKERS; COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- SWITCH SHALL BE KEYED LOW VOLTAGE, MOMENTARY CONTACT SWITCH (WATTSTOPPER LVS-1K OR PRIOR APPROVED EQUAL). SWITCH SHALL OPERATE AS MANUAL OVERRIDE TO CONNECTED OCCUPANCY SENSOR.
- ROUTE BRANCH CIRCUIT VIA LIGHTING CONTROLLER 'C1'. RE: LIGHTING CONTROLLER DIAGRAM E4.0.
- LIGHTING CONTROLLER OVERRIDE SWITCH.
- LOCATION OF SIGNAGE; COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.



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

REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
08/13/2018		PRICING
08/31/2018		PERMIT

IVY KIDS EARLY LEARNING CENTER
 4434 CR 94
 Manvel, Tx 77578

MEP Consultants
 BLK Engineering & Consulting Co.
 3423 Spring Arbor Ln.
 Sugar Land, TX 77479
 (t) 832 563 3127
 TBPE Firm #12672



DRAWING TITLE
ELECTRICAL LIGHTING PLAN

DRAWN BY FK	CHECKED BY CK
DATE 05/10/2018	JOB NO. SEDONA LAKES
DRAWING NO. E-2.0	

SPECIFICATIONS

I. SCOPE

- A. INSTALL ALL ELECTRICAL WORK COVERED BY THESE SPECIFICATIONS AND APPROVED DRAWINGS. PROVIDE ALL MATERIAL, LABOR, TRANSPORTATION, TOOLS, SUPERVISION, ETC., NECESSARY TO COMPLETE THE TOTAL ELECTRICAL JOB. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION SHALL BE PROVIDED.
- B. ELECTRICAL COMPONENTS INCLUDING BUT NOT LIMITED TO CONDUCTOR SIZE, OVERCURRENT PROTECTIVE DEVICE AND DISCONNECT SWITCHES ARE BASED ON POWER REQUIREMENTS FOR EQUIPMENT SPECIFIED AS SHOWN ON THE CONTRACT DOCUMENTS. PRIOR TO INSTALLING WORK, CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS WITH EQUIPMENT OF ALL TRADES REQUIRING ELECTRICAL CONNECTIONS.
- C. FINAL CONNECTION TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH ACTUAL EQUIPMENT SUPPLIED.
- D. VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING AND RACEWAY SYSTEMS PRIOR TO TRENCHING, PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICES (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. AS REQUIRED, CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
- E. EXAMINATION OF BIDDING DOCUMENTS
 - 1. EACH BIDDER SHALL EXAMINE THE BIDDING DOCUMENTS CAREFULLY AND MAKE WRITTEN REQUEST TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION OF ANY DISCREPANCIES, AMBIGUITY, INCONSISTENCY OR ERROR THEREIN. ANY INTERPRETATION OR CORRECTION WILL BE ISSUED BY THE ARCHITECT AS AN ADDENDUM. ONLY WRITTEN INTERPRETATION OR CORRECTIONS BY ADDENDUM SHALL BE BINDING. CONTRACTOR SHALL INCLUDE IN HIS BID, LABOR, MATERIALS AND METHODS OF CONSTRUCTION FOR COMPLETE INSTALLATION. AFTER AWARD OF CONTRACT, NO ALLOWANCE OR EXTRA COMPENSATION WILL BE MADE IN BEHALF OF THE CONTRACTOR DUE TO HIS FAILURE TO MAKE THE WRITTEN REQUEST AS DESCRIBED ABOVE.
 - 2. FAILURE TO REQUEST CLARIFICATION OF ANY INADEQUACY, OMISSION OR CONFLICT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY. THE SIGNING OF THE CONTRACT WILL BE CONSIDERED IMPLICITLY DENOTING THAT THE CONTRACTOR HAS A THOROUGH COMPREHENSION OF THE FULL INTENT AND THE SCOPE OF WORKING DRAWINGS AND SPECIFICATIONS.

II. CODES AND FEES

- A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE, N.E.P.A. 70 AND ALL LOCAL AND STATE CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE BUILDING AND SAFETY CODES AND ORDINANCES, AND THE RULES AND REGULATIONS OF ANY LEGAL BODY HAVING JURISDICTION.

III. WORKMANSHIP

- A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. COORDINATE DEVICE LOCATIONS WITH DOOR SWINGS, CABINETS, COUNTERS, ETC., AS INDICATED ON THE ARCHITECTURAL DRAWINGS. DO NOT SCALE ELECTRICAL PLANS. OBTAIN DIMENSIONS FOR LAYOUT OF EQUIPMENT FROM ARCHITECTURAL PLANS UNLESS INDICATED ON ELECTRICAL PLANS.
- B. COORDINATE WITH ALL OTHER TRADES AND SUBCONTRACTORS PERFORMING WORK ON THIS PROJECT. MINOR OFFSETS IN LOCATIONS OF FIXTURES, DEVICES, ETC. SHALL BE MADE TO AVOID CONFLICTS WITH OTHER TRADES. SUCH MODIFICATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO THE WORK BEING PERFORMED.
- C. MOUNTING HEIGHTS, UNLESS OTHERWISE NOTED, ARE TO THE CENTER LINE OF THE EQUIPMENT AND/OR DEVICE EXCEPT THE MOUNTING HEIGHT OF SUSPENDED LIGHT FIXTURES WHICH IS TO THE BOTTOM OF FIXTURE.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION OR FACTORY WIRING IS EQUIPMENT PROVIDED UNDER THIS SECTION.

IV. SUBSTITUTIONS

- A. ALL COST INCURRED BY THE ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY THE CONTRACTOR. PROOF FOR THE EQUALITY OF SUBSTITUTIONS SHALL BE BY THE CONTRACTOR.

V. U.L. LISTING

- A. ALL ELECTRICAL ITEMS COVERED BY THIS SPECIFICATION SHALL BE U.L. LABELED AND LISTED FOR THEIR SPECIFIC USE.

VI. ELECTRICAL SERVICE

- A. THE ELECTRICAL CONTRACTOR SHALL PAY ALL COSTS REQUIRED BY THE LOCAL UTILITY COMPANY PROVIDING SERVICES INDICATED. ELECTRICAL CONTRACTOR SHALL COORDINATE METERING, TRANSFORMER PAD, CONNECTION POINTS AND GROUNDING WITH UTILITY COMPANY.
- B. ALL SERVICE ENTRANCE EQUIPMENT INCLUDING BUT NOT LIMITED TO ANY MAIN DISCONNECT SWITCH, PANEL, OR SWITCHBOARD SHALL BE LISTED AND LABELED AS "SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT".

VII. WARRANTY

- A. WORK SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER.

VIII. SPECIFICATIONS

A. GROUNDING

- 1. THE BUILDING ELECTRICAL SYSTEMS SHALL BE SOLIDLY GROUNDED. ALL NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM, I.E., RACEWAYS, EQUIPMENT ENCLOSURES, FRAMES, JUNCTION AND OUTLET BOXES AND OTHER CONDUCTIVE ITEMS IN CLOSE PROXIMITY WITH ELECTRICAL CIRCUITS, SHALL BE GROUNDED TO PROVIDE A LOW IMPEDANCE PATH FOR POTENTIAL GROUND FAULTS.
- 2. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS AND CABLES.
- 3. THE NEUTRAL AND GROUND BUS SHALL BE BONDED TOGETHER AT ALL SERVICE EQUIPMENT.

B. RACEWAYS AND CONDUITS

- 1. CONDUITS INSTALLED IN DIRECT CONTACT WITH GRADE OR WITHIN CONCRETE SLABS SHALL BE SCHEDULE 40 PVC. CONDUITS CONCEALED WITHIN WALLS AND ABOVE CEILINGS, AND EXPOSED IN INDOOR AREAS SHALL BE ELECTRICAL METALLIC TUBING (E.M.T.). COUPLINGS SHALL BE STEEL SET SCREW TYPE FOR INDOOR LOCATIONS, AND COMPRESSION TYPE FOR OUTDOOR AND WET LOCATIONS. CONDUIT SHALL BE INTERMEDIATE OR GALVANIZED RIGID STEEL IN AREAS WHERE SUBJECT TO ABUSE.
- 2. CONDUITS SHALL BE RUN PARALLEL OR AT RIGHT ANGLES TO WALLS, CEILINGS, AND STRUCTURAL MEMBERS.
- 3. LIQUID TIGHT FLEXIBLE METAL OR NON-METALLIC CONDUIT SHALL BE USED FOR OUTDOOR EXPOSED CONNECTIONS TO GROUND OR ROOF-MOUNTED EQUIPMENT.
- 4. ALL RACEWAYS SHALL BE INSTALLED CONCEALED EXCEPT IN UNFINISHED SPACES OR WHERE INDICATED ON THE DRAWINGS.
- 5. FASTENERS AND SUPPORTS SHALL BE AS MANUFACTURED Y GEDNEY, EFCOR OR EQUAL. SUPPORTING DEVICES SHALL BE THOSE AS MANUFACTURED FOR A SPECIFIC PURPOSE. NAILS, WIRE OR PIPE STRAP SHALL NOT BE USED.
- 6. PROVIDE FLEXIBLE EXPANSION CONDUIT FITTINGS ON ALL CONDUIT CROSSING EXPANSION JOINTS. SEE ARCHITECTURAL PLANS FOR EXPANSION JOINT LOCATIONS.

C. CONDUCTORS

- 1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, 90 DEG C THHN/THWN INSULATION.
- 2. UNLESS NOTED OTHERWISE, SERVICE AND FEEDER CONDUCTORS SHALL BE COPPER, THHN/THWN-2 INSULATION. WHERE APPROVED, ALUMINUM CONDUCTORS SHALL BE COMPACT, AA-8000 SERIES, XHHW-2, 90 DEG C
- 3. WIRE NO. 8 AWG AND LARGER SHALL BE STRANDED, NO. 10 AND SMALLER SHALL BE SOLID.
- 4. ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS, NO. 8 AWG AND SMALLER, SHALL BE COLOR CODED AS FOLLOWS (WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION):

120/208 VOLT SYSTEM	277/480 VOLT SYSTEM
PHASE A - BLACK	PHASE A - BROWN
PHASE B - RED	PHASE B - ORANGE
PHASE C - BLUE	PHASE C - YELLOW
NEUTRAL - WHITE	NEUTRAL - GREY
GROUND - GREEN	GROUND - GREEN
- 5. MC CABLE SHALL BE LIMITED TO BRANCH CIRCUITS CONCEALED IN WALLS AND ABOVE CEILINGS, AND MAY NOT BE RUN DIRECTLY INTO SURFACE MOUNTED EQUIPMENT. ALL CIRCUIT HOMERUNNS FROM THE PANELBOARD TO THE FIRST BRANCH CIRCUIT DEVICE SHALL BE ROUTED IN CONDUIT. MC CABLE SHALL NOT BE ALLOWED FOR WIRING TO MECHANICAL EQUIPMENT.
- 6. SIZES INDICATED ARE FOR INSTALLATION IN A MAXIMUM 30 DEGREE C AMBIENT.

D. OUTLET/JUNCTION BOXES

- 1. ALL OUTLET/JUNCTION BOXES SHALL BE GALVANIZED STEEL.
- 2. WALL AND CEILING OUTLET BOXES SHALL BE 4" SQUARE, WITH A DEPTH OF 2 1/2". CEILING BOXES SHALL BE 4" OCTAGONAL WHERE REQUIRED DUE TO NUMBER OF WIRES.
- 3. WHERE BOXES ARE INSTALLED BACK-TO-BACK IN WALLS AND LOCATED LESS THAN 24" APART, MOLDABLE PUTTY PADS SHALL BE INSTALLED TO MAINTAIN THE REQUIRED FIRE RATING.

E. PANELBOARDS

- 1. PANELBOARDS SHALL HAVE BOLT-IN CIRCUIT BREAKERS AND ALUMINUM BUSSING. WHERE APPLICABLE, LOAD CENTERS SHALL HAVE PLUG-IN BREAKERS AND ALUMINUM BUSSING.
- 2. OVERCURRENT PROTECTIVE DEVICES SHALL BE AUTOMATIC TRIP THERMAL MAGNETIC TPE WITH QUICK-MAKE QUICK-BREAK FIR BOTH MANUAL AND AUTOMATIC OPERATION. ALL MULTIPOLE BREAKERS SHALL BE COMMON TRIP; HANDLE TIES WILL NOT BE ACCEPTED.
- 3. SWITCHBOARDS, DISTRIBUTION BOARDS, PANELBOARDS, DISCONNECT SWITCHES AND MOTOR CONTROL CENTERS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SIEMENS, SQUARE 'D' OR EATON/CUTLER HAMMER. BOLT FREE STANDING EQUIPMENT TO 4" HIGH EQUIPMENT HOUSEKEEPING PADS. SWITCHBOARD SECTIONS SHALL BE FULLY BUSSED.
- 4. TYPEWRITTEN DIRECTORIES AND PANELBOARD DESIGNATION PLATES SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL PANELBOARDS. PANELBOARD DESIGNATIONS SHALL BE PHENOLIC-ENGRAVED.
- 5. WIRE TERMINATION PROVISIONS FOR PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES AND ALL OTHER ELECTRICAL APPARATUS SHALL BE LISTED AS SUITABLE FOR 75 DEGREE C. MINIMUM.

F. LIGHTING FIXTURES

- 1. UNLESS INDICATED ON DRAWINGS, BALLASTS PROVIDED WITH FIXTURES SHALL BE ETL-CBM APPROVED, HIGH POWER FACTOR, WITH U.L. LABEL. ALL BALLASTS FOR RAPID START LAMPS SHALL BE PREMIUM CLASS P.
- 2. FIXTURES RECESSED IN T-BAR CEILING SHALL BE SUPPORTED INDEPENDENTLY OF CEILING SYSTEM, WITH TWO (2) NUMBER TWELVE (12) HANGER WIRES UP TO STRUCTURE. SECURE HANGER WIRES TO CORNERS OF FIXTURE. CLIP FIXTURE TO GRID ON TWO SIDES WITH FACTORY FURNISHED CLIPS. FINAL CONNECTION TO FIXTURE SHALL BE MADE WITH A FLEXIBLE U.L. APPROVED ASSEMBLY.

A LICENSED FIRE ALARM CONTRACTOR SHALL SUBMIT THE FIRE ALARM SYSTEM DRAWINGS TO THE AHJ FOR APPROVAL PRIOR TO INSTALLATION. THE INSTALLATION MUST BE APPROVED BEFORE THE CERTIFICATE OF OCCUPANCY MAY BE ISSUED.

G. WIRING DEVICES

- 1. COMMERCIAL GRADE
- 1. DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT TYPE RATED 20 AMP, PASS & SEYMOUR TR63 OR APPROVEDE EQUAL.
- 2. GFCI RECEPTACLES SHALL BE TAMPER RESISTANT TYPE RATED 20 AMP, PASS & SEYMOUR 2095-TR OR APPROVED EQUAL.
- 3. TOGGLE SWITCHES SHALL BE 20 AMP, HUBBELL CS1221 OR APPROVED EQUAL.
- 4. DIMMER SWITCHES SHALL BE SLIDER TYPE, LUTRON VARED SERIES.
- 5. DEVICE PLATES SHALL BE NYLON (UNLESS NOTED OTHERWISE).
- 6. COLOR OF DEVICES AND DEVISE PLATES SHALL BE AS DETERMINED BY ARCHITECT.

H. DRY TYPE TRANSFORMERS

- 1. TRANSFORMERS SHALL BE U.L. LISTED AND SHALL HAVE CLASS 155 OR HIGHER INSULATION SYSTEMS.
- 2. TRANSFORMERS SHALL BE MOUNTED WITH 5/8" THICK NEOPRENE PADS FOR VIBRATION ISOLATION.
- 3. 4" HIGH CONCRETE HOUSEKEEPING PADS SHALL BE INSTALLED FOR ALL FLOOR MOUNTED TRANSFORMERS.
- 4. ACCEPTABLE MANUFACTURERS: EATON/CUTLER HAMMER, G.E., SIEMENS OR SQUARE D.

I. DISCONNECT SWITCHES

- 1. SAFETY-TYPE DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH QUICK-MAKE, QUICK-BREAK MECHANISM WITH INTERLOCKING COVER WHICH NORMALLY CANNOT BE OPENED WHEN THE SWITCH IS IN THE "ON" POSITION. SWITCH SHALL HAVE PROVISIONS FOR PAD-LOCKING IN THE OPEN OR CLOSED POSITION.
- 2. FUSIBLE DISCONNECT SWITCHES SHALL HAVE REJECTION-TYPE FUSEHOLDERS. FUSES SHALL BE NON-RENEWABLE, DUAL ELEMENT TIME-DELAY "RK1" OR "RK5", OR AS SPECIFIED OTHERWISE.
- 3. ACCEPTABLE MANUFACTURERS: EATON/CUTLER HAMMER, G.E., SIEMENS OR SQUARE D.
- 1. PROVIDE A COMPLETE, U.L. LISTED, ADDRESSABLE FIRE ALARM SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS, AND ALL APPLICABLE CODES.
- 2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT FOR A COMPLETE FIRE ALARM SYSTEM, INCLUDING THE FOLLOWING:
 - A) ENGINEERED DRAWINGS, CALCULATIONS, AND MATERIAL SUBMITTALS APPROVED BY AUTHORITY HAVING JURISDICTION.
 - B) COORDINATION OF WORK IN THIS SECTION WITH ALL TRADES.
 - C) COMPLETE MONITORING SERVICE CONNECTION TO TELEPHONE BACKBOARD.
 - D) INSPECTIONS AND TESTS.
 - E) ONE (1) YEAR WARRANTY

K. MISCELLANEOUS EQUIPMENT

- 1. TIME CLOCK SHALL BE ELECTRONIC TYPE WITH ASTRONOMICAL FUNCTIONS (TORK DZS 200BP OR APPROVED EQUAL).
- 2. PHOTOCELL SHALL HAVE RAINIGHT PHOTOELECTRIC SELF-CONTAINED CONTROL FOR SWITCHING. PHOTOCELL SHALL HAVE DIE-CAST HOUSING WITH ADJUSTABLE SENSOR. (ACCEPTABLE MANUFACTURERS: TORK 2100 SERIES OR APPROVED EQUAL).

L. PENETRATIONS

- 1. ALL PENETRATIONS THROUGH RATED WALLS, FLOORS AND/OR CEILINGS SHALL BE SEALED WITH THE APPROPRIATELY RATED FIRE-SEALING MATERIAL BY 3M COMPANY, THOMAS & BETTS, METACAULK, OR APPROVED EQUAL.

M. SUBMITTALS

- 1. PANELBOARDS, WIRING DEVICES, SWITCHES AND DISCONNECTS, LIGHTING FIXTURES, AND FUSE SUBMITTALS SHALL BE REQUIRED, AND ARE TO INCLUDE MANUFACTURER'S DATA, TEST REPORTS, PERFORMANCE DATA AND CERTIFICATIONS.

N. COMMUNICATIONS CONDUIT/BOXES

- 1. TWO (2) 4" SCHEDULE 40 PVC CONDUITS SHALL EXTEND FROM THE PUBLIC RIGHT-OF-WAY TO THE MAIN TELECOMMUNICATIONS ROOM OR ENTRANCE FACILITY.
- 2. THE NUMBER OF BENDS IN A CONDUIT SECTION RUN SHALL NOT EXCEED TWO (2) 90-DEGREE BENDS OR EQUIVALENT OF SWEEPS AND RADIUS BENDS.
- 3. IN AREAS WITH NON-ACCESSIBLE CEILINGS, TELEPHONE CONDUITS SHALL BE CONTINUOUS FROM THE OUTLET BOX TO THE TELEPHONE EQUIPMENT BACKBOARD AND TERMINATED WITH A NYLON GROMMET.
- 4. EACH HORIZONTAL HOME-RUN CONDUIT CAN SERVE FROM ONE (1) TO THREE (3) OUTLET BOXES. FOR ONE (1) OUTLET BOX, A 3/4" CONDUIT SHALL BE USED, MINIMUM. FOR TWO (2) OUTLET BOXES, A 1" CONDUIT SHALL BE USED, MINIMUM. FOR THREE (3) OUTLET BOXES, A 1-1/4" CONDUIT SHALL BE USED, MINIMUM.
- 5. THE DIMENSIONS OF THE OUTLET BOX SHALL BE 4" X 4" SQUARE WITH A MINIMUM DEPTH OF 2-1/8". BOXES SHALL BE EQUIPPED WITH SINGLE DEVICE ADAPTERS (OR TWO-DEVICE ADAPTERS WHERE NEEDED). WHERE INSTALLED IN PLASTER, GYPSUM BOARD, TILE, ETC., ADAPTERS SHALL BE RAISED TO COMPENSATE FOR THE THICKNESS OF THE WALL FINISH.

O. ELECTRICAL MATERIALS AND EQUIPMENT

- 1. NO ELECTRICAL MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURES, OR EQUIPMENT SHALL BE SOLD OR INSTALLED IN THE CITY UNLESS THEY ARE IN CONFORMANCE WITH THE PROVISIONS OF THIS CODE, THE LAWS OF THE STATE OF TEXAS, AND ANY APPLICABLE RULES AND REGULATIONS ISSUED UNDER THE AUTHORITY OF THE STATE STATUTES. THE MAKER'S NAME, TRADEMARK, OR OTHER IDENTIFICATION SYMBOL SHALL BE PLACED ON ALL ELECTRICAL MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURES, AND EQUIPMENT USED OR INSTALLED UNDER THE PROVISIONS OF THIS CODE. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED AND LABELED FOR THE INTENDED USE AND SHALL BE INCLUDED IN A LIST PUBLISHED BY AN APPROVED AGENCY.

LEGEND	
	FLUOR FIXTURE 2'X4' CLG FLUSH MTD<A'=TYPE A FIXTURE)
	FLUORESCENT FIXTURE 4' CEILING SURFACE OR RECESSED MOUNTED
	TRACK LIGHTS DN STANDARD TRACK (4' OR 8' IN LENGTH)
	WALL MOUNTED INCANDESCENT OR H.I.D. FIXTURE
	INCANDESCENT OR H.I.D. FIXTURE
	EXIT LT- CEILING DR WALL MTD W/ BATTERY PACK
	EMERGENCY LIGHT FIXTURE W/ BATTERY PACK
	SINGLE POLE SWITCH, 20A-120/277V (A=LTS TO BE CONTROLLED)
	SINGLE POLE SWITCH, 20A-120/277V (DIMMER-1 OR 2 KVA)
	3 WAY SWITCH , S4- 4 WAY, S2- 2 POLE
	KEY OPERATED SWITCH, Sp- PILOT, WP- WEATHERPROOF
	COMPUTER REC-ISOLATED GND(HUBBELL#LGS251 DRANGE)
	DUPLEX RECEPTACLE, 20A 125V, 3 WIRE GND TYPE< F=FLUOR MTD)
	125/250 VOLT 1ø (AMP AS NOTED)
	SINGLE RECEPTACLE 125 VOLT - 10 (AMPS AS NOTED)
	250 VOLT 3ø, SPECIAL POWER OUTLET (AMPS AS NOTED)
	FLUSH FLOOR TELE/DATA OUTLET
	FLUSH FLOOR DUPLEX RECEPTACLE OUTLET (WP-WEATHERPROOF)
	TELEPHONE OUTLET MTD @ 12" AFF<F=FLOOR MTD)
	FIRE ALARM PULL STATION
	JUNCTION BOX (SURFACE MTD. AS DESCRIBED DN DWGS.)
	JUNCTION BOX (FLUSH WALL MTD. - AS DESCRIBED DN DWGS.)
	PRE-WIRED DEVICE
	WEATHERPROOF
	DISCONNECT SWITCH, NF=NON FUSED
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER
	MOTOR OR FAN
	DUCT DETECTOR/SMOKE DETECTOR
	ELECTRICAL PANEL
	L1 or H1,3,5 HOMERUN TO PANEL<L1orL2,4=2W+GX(H1,3,5=3W+G)
	CONDUIT IN OR UNDER FLOOR OR SLAB
	CONDUIT IN CEILING DR WALLS
	HATCH MARKS FOR NUMBER OF WIRES IN CONDUIT
	MANUAL PULL STATION @ 4'-6" AFF
	AUDIBLE/VISUAL ALARM HORN<75 CAND.) 80" AFF DR 6' BELOW CLG.
	FIRE ALARM VISUAL DEVICE WALL MTD 80" AFF DR 6' BELOW CLG.
	HEAT DETECTOR CLG MTD
	SMOKE DETECTOR CLG MTD
	CAMERA, DATA, PHONE BY OTHERS

LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	VOLTAGE	LAMPS	MOUNTING	REMARKS	IEC VA
A1	TEXAS FLUORESCENTS #UCLL24LF57W5700LDMV35K	MVOLT	LED, 3500K	RECESSED	4	53
A4	TEXAS FLUORESCENTS #UCLL22LH35W3400LDMV35K	MVOLT	LED, 3500K	RECESSED	4	30
D6	NORA #NC2-631L1535FBSF	MVOLT	LED, 3500K	RECESSED	3,4	18
D6E	TEXAS FLUORESCENTS #WPFM70UNV4KMVEM	MVOLT	LED, 4000K	WALL	EGRESS 1,2,3	70
E	TEXAS FLUORESCENTS #LEDR1	MVOLT	LED	WALL	EGRESS 1,2	14.2
F	TEXAS FLUORESCENTS #Z09A248L4V5W4900LMDV35K	MVOLT	LED, 3500K	SURFACE	4	48
G	NORA #NC2-631L1535FBSF	MVOLT	LED, 3500K	RECESSED	3,4	18
H1	TEXAS FLUORESCENTS #VOLV963579	MVOLT	LED	WALL	1,3,4	16
J	TEXAS FLUORESCENTS #SMSBULLETX12NA	120	LED, 4000K	WALL	1,3,4	24
K	LITHONIA #UCLD	120	LED, 3500K	SURFACE	1,4	13
T	PHILIPS #9530	MVOLT	LED	SURFACE	4	8
XC	TEXAS FLUORESCENTS #FLTLEDXTEU2RW	MVOLT	LED	SURFACE	EGRESS 1,2	4.3

NOTES:

- 1. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
- 2. PROVIDE UNSWITCHED BRANCH CIRCUIT TO BATTERY SYSTEM.
- 3. FIXTURE MUST BE VAPOR TIGHT FOR EXTERIOR LOCATIONS.
- 4. ARCHITECT APPROVAL REQUIRED FOR ALL LIGHT FIXTURES.

REVISIONS AND ISSUANCE

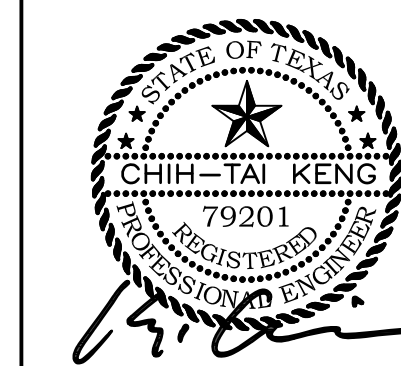
NO.	DATE	DESCRIPTION
08/13/2018		PRICING
08/31/2018		PERMIT

IVY KIDS EARLY LEARNING CENTER

4434 CR 94

Manvel, Tx 77578

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DRAWING TITLE

ELECTRICAL NOTES

DRAWN BY	CHECKED BY
FK	CK
DATE	JOB NO.
05/10/2018	SEDONA LAKES 79201
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