

INTERIOR IMPROVEMENTS FOR: CYCLE WARD

6131 N FEDERAL HWY,
FORT LAUDERDALE, FL. 33308.

NOT USED

SCALE:

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G-001

MEP ENGINEER
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CONSULTANTS

SCALE:

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THE PROPOSED INTERIOR IMPROVEMENT WILL INCLUDE THE FOLLOWING:

- INTERIOR IMPROVEMENTS OF AN EXISTING EMPTY SPACE.
- ELECTRICAL, PLUMBING AND A/C WORK TO BE PROVIDED FOR THIS TENANT IMPROVEMENT.

SCOPE OF WORK

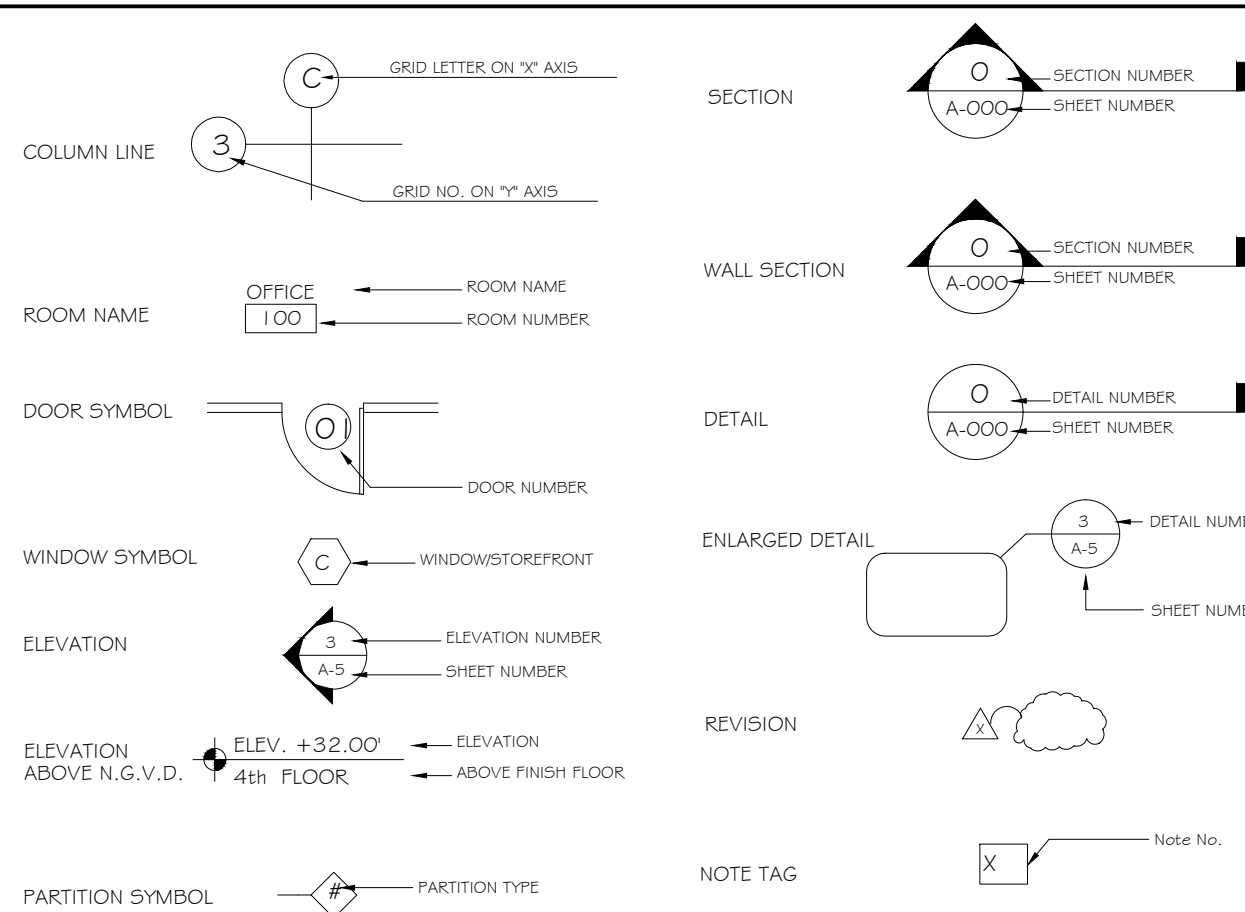
SCALE:

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ABV	ABOVE	DIAM	DIAMETER	HANDIC	HANDICAPPED	N.I.C.	NOT IN CONTRACT	TJ	TOP OF JOIST
ACOUS	ACOUSTICAL	DNM	DIMENSION	HB	HOSE BIB	NO.	NUMBER	TOW	TOP OF WALL
AD	AREA DRAIN	D.O.S.	DOOR OPENING SIZE	HC	HOLLOW CORE	NOM.	NOMINAL	TYP	TYPICAL
ADJ	ADJACENT/ADJUSTABLE	DP	DAMP PROOFING	HD	HAND	N.T.S.	NOT TO SCALE	UCN	UNLESS OTHERWISE NOTED
AGGR	AGGREGATE	DR	DOOR	HDW.	HARDWARE	OC	ON CENTER	W	WITH
ALUM	ALUMINUM	DTL	DETAIL	HDWD	HARDWOOD	OD	OUTSIDE DIAMETER	WD	WOOD
ANCH	ANCHOR	DWGS.	DRAWING(S)	HGT.	HEIGHT	OPNG	OPENING	WOW	WINDOW
AND	ANDODIZED	DW.	DRYWALL	HM.	HOLLOW METAL	OPP	OPPOSITE	WH	WATER HEATER
APPROX	APPROXIMATE (LY)	E.A.	EACH	HOR.	HORIZONTAL	PAREN	PARTITION	WO	WITHOUT
ARCH	ARCHITECT (URAL)	E.J.	EXPANSION JOINT	H.P.	HIGH POINT	FFS	FREMOLDED FILLER	WSCT	WAINSCOT
AS	ACOUSTICAL SEALANT	ELECT.	ELECTRICAL	H.V.A.C.	HEATING, VENTILATING AND AIR CONDITIONING	FL	FLATE		
ASFH	ASPHALT	ELEV./EL.	ELEVATION	ID.	INSIDE DIAMETER	PBLG	PLUMBING		
AT	ACOUSTICAL TILE	EQ.	EQUIPMENT	IN.	INCH	PLAS	PLASTER, PLASTIC		
BD	BOARD	EXP.	EXPOSED	INSUL	INSULATION	PROJ	PROJECT		
BLDG	BUILDING	EXPN	EXPANSION	INT.	INTERIOR	PLYWD	PLYWOOD		
BM	BEAM	EXIST	EXISTING	INT.	INTERIOR	PVMT	PAVEMENT		
BK	BRICK	JC	JANITORS CLOSET	ISHT	INSULATED SHEET TREATED	PT	POINT		
CAB	CABINET	JST.	JOIST	KIT	KITCHEN	Q.T.	QUARRY TILE		
CJ	CABINET JOINT	KO.	KNOCK-OUT	REF.	REFRIGERATOR	REF	REFRIGERATOR		
CLG	CEILING	LAM	LAMINATE	RES	RESILIENT	RO	ROUGH OPENING		
C	CENTERLINE	LP	LOW POINT	RO	ROUGH OPENING	RO	ROUGH OPENING		
CLR	CLEAR	LT	LIGHT	SAN	SANITARY	SHT	SHEET		
CLR OPG	CLEAR OPENING	LVR.	LOUVER	SHT	SHEET	SHT	SHEET		
CNU	CONCRETE MASONRY UNIT	FLR.	FLOOR	MACH.	MACHINE	SHTG	SHEATHING		
CP	CEMENT PLASTER	FT.	FOOT, FEET	MAX.	MAXIMUM	SIM	SIMILAR		
COL	COLUMN	FURR.	FURRING	MECH.	MECHANICAL	SPEC	SPECIFICATION		
CONC	CONCRETE	GA.	GAUGE	MFG.	MANUFACTURER	S.S.	STAINLESS STEEL		
CONST	CONSTRUCTION	GALV.	GALVANIZED	MIN.	MINIMUM	STRO	STANDARD		
CONT	CONTINUOUS	GC	GENERAL CONTRACTOR	MISC.	MISCELLANEOUS	T.O.C.	TOP OF CONCRETE		
CONTR	CONTRACTOR	GL	GLASS	M.O.	MASONRY OPENING	T & G	TONGUE AND GROOVE		
CPT	CARPET	G.W.B.	GYP-SUM WALL BOARD	M.R.	MOISTURE RESISTANT	TEMP	TEMPERED		
CT	CERAMIC TILE	GYP BD	GYP-SUM BOARD	MTL	METAL	TKRZ	TERAZZO		

ABBREVIATIONS AND SYMBOLS

SCALE: N.T.S.



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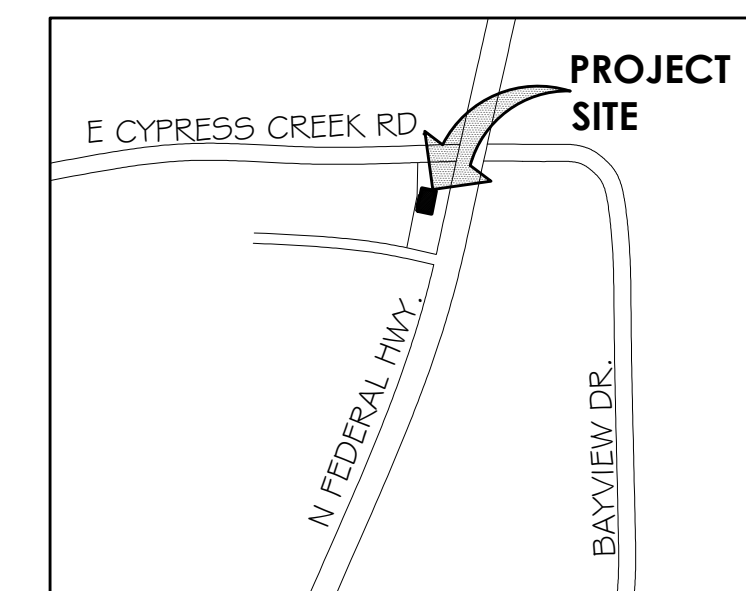
DRAWING INDEX

SCALE:

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LOCATION MAP

SCALE: N.T.S.



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JPB	DHT	JPB
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07/02/14	131204	

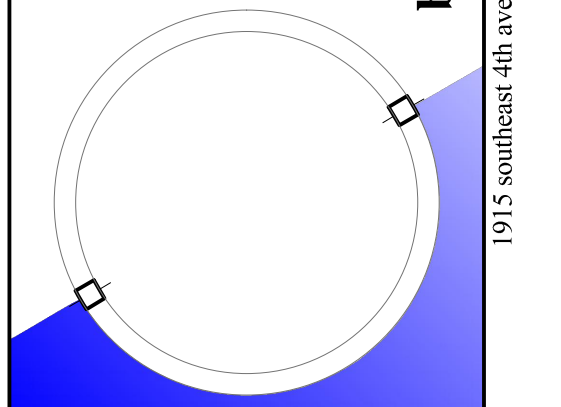
REVISIONS

COVER SHEET

CONSTRUCTION DOCUMENTS

G-001

INTERIOR IMPROVEMENTS FOR:
CYCLE WARD



6131 N FEDERAL HWY, FORT LAUDERDALE, FL. 33308.

barranco gonzalez • architecture • planning • interior design

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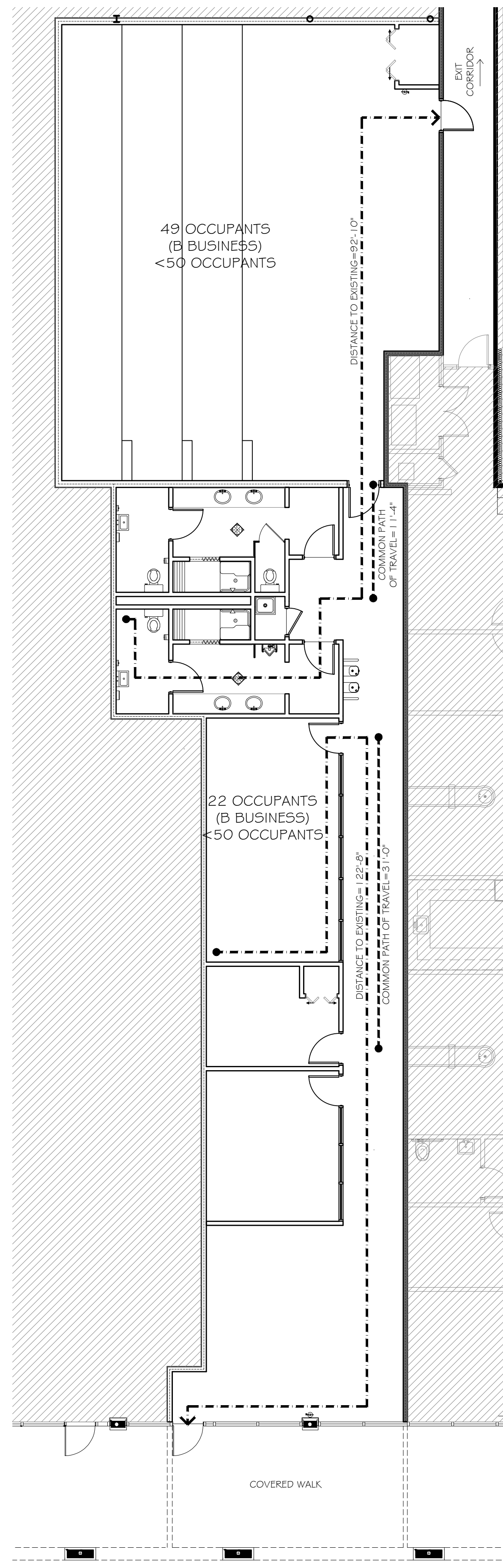
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G-002



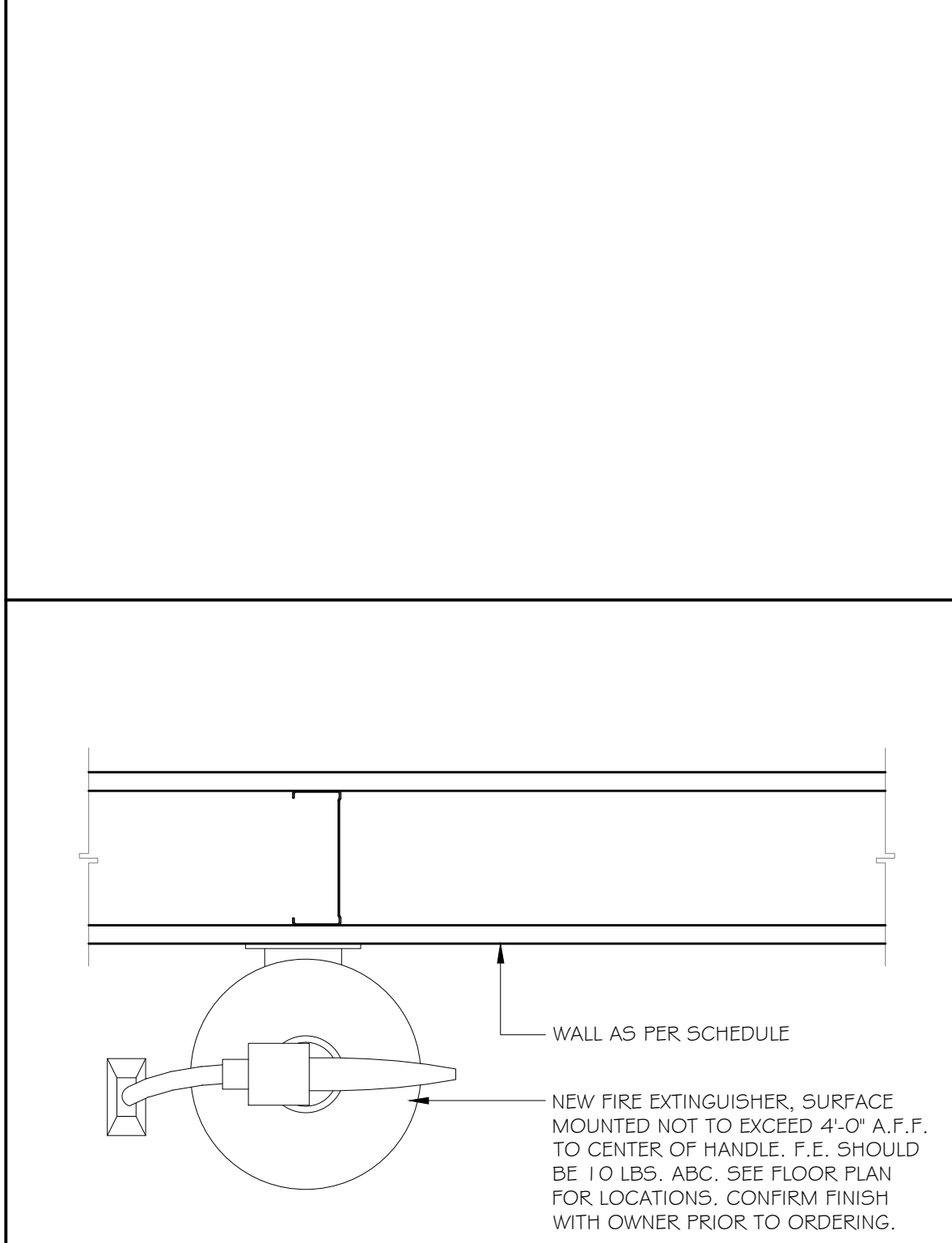
BUILDING OVERALL PLAN
SCALE: 1/32" = 1'-0"

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LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

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FIRE EXTINGUISHER DETAIL
SCALE: 3" = 1'-0"

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LIFE SAFETY INFORMATION (FOR ASSEMBLY USE)

ITEM	2010 FBC SECTION	REQUIRED	PROVIDED	REMARK
MIN. WIDTH @ EXIT DOOR	1008.1.1	32 INCHES	34" CLEAR	
COMMON PATH OF TRAVEL	1014.3	75' FEET	31'-0"	
MAX. EXIT TRAVEL DISTANCE	1016.1	250 FEET	122'-8"	
MIN. WIDTH @ CORRIDOR	1018.2	44 INCHES	54"	
DEAD END CORRIDOR	1018.4	20 FEET	N/A	
NUMBER OF EXITS	1021.1	2	2	
FIRE EXTINGUISHER (F.E.)		2	2	PER NFPA 1 TABLE 13.6.8.2.1.1
SPRINKLER SYSTEM		SPRINKLERED		

NOTE: ONE FIRE EXTINGUISHER MUST BE LOCATED PER 2,500 SQ.FT. OF FLOOR AREA WITH A MAXIMUM OF 75' FROM ANY ONE POINT IN THE SPACE (SEE FLOOR PLAN FOR LOCATION).

LIFE SAFETY INFORMATION
SCALE: N.T.S.

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EXISTING BUILDING CONSTRUCTION AND OCCUPANCY CLASSIFICATION BASED ON:
- FLORIDA BUILDING CODE 2010 (FBC)
- FLORIDA FIRE PREVENTION CODE 2010 (FFPC, NIFPA)

CURRENT USE OF SPACE IS "VACANT SHELL".

- NUMBER OF STORIES: ONE (1) STOREY
- EXISTING OCCUPANT CLASSIFICATION (FBC CHAP. 3): "B" BUSINESS
- TYPE OF CONSTRUCTION (SFBC): TYPE III B - PROTECTED

OCCUPANT LOAD:

- SPIN ROOM - ASSEMBLY "A-3" (1,450 S.F.) = 49
- MULTIPURPOSE ROOM - ASSEMBLY "A-3" (1,155 S.F.) = 22
- REMAINING AREAS - BUSINESS "B" (1,100 S.F.) = 18
- 89 OCCUPANTS**

EXISTING FLORIDA BUILDING CODE 2010.

- WORK COMPLIANCE METHOD
- WORK AREA FOR THIS PERMIT IS THE DEMISED PORTION OF THE SPACE DENOTED ON THE PLAN.
- ALTERATION LEVEL 2
- ALL NEW WORK WILL COMPLY WITH CHAPTER 7 OF THE FBC EXISTING BUILDING 2010.

PLUMBING COUNT:

AS PER FFBC 2010 TABLE 403.1	REQUIRED	REQ.	PROVIDED
MALE 1 TOILET PER 125	1	2	
FEMALE 1 TOILET PER 65	1	2	
LAVATORIES 1 PER 200	1	4	
1 DRINKING FOUNTAIN PER 500	1	2	
SERVICE SINK	1	1	

BUILDING DATA
SCALE: N.T.S.

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REVISIONS

LIFE SAFETY

CONSTRUCTION DOCUMENTS

G-002

PART 1.0 - GENERAL
1.01 GENERAL DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION WITH ALL REVISIONS AND ERRATA'S APPLICABLE TO THE JURISDICTION OF WHICH IT IS BEING CONSTRUCTED IN.

1.02 THE GENERAL CONTRACTOR AS MENTIONED HEREIN, IS DEFINED AS THE ENTITY TO WHICH HAS THE CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE FULL CONSTRUCTION OF THE PROJECT AND WHICH INCLUDES ANY AND ALL OTHER PARTIES CONTRACTUALLY OBLIGATED TO THE GENERAL CONTRACTOR TO COMPLETE THIS PROJECT.

1.03 THE CONTRACT DOCUMENTS ARE DESIGNED IN ACCORDANCE WITH ALL GOVERNING CODES, REGULATIONS, CITIES, MUNICIPALITIES AND BUILDING OFFICIALS HAVING JURISDICTION. THE GENERAL CONTRACTOR SHALL CONSTRUCT AND BE RESPONSIBLE FOR THE BUILDING AND ALL RELATED SITE WORK. THE CONTRACTOR SHALL COORDINATE WORK WITH EACH APPROPRIATE TRADE DISCIPLINE TO ASSURE NO CONFLICT OR OMISSION OF ANY REQUIRED OR SPECIFIED COMPONENT FOR A COMPLETE AND FUNCTIONAL PROJECT.

1.04 BEFORE COMMENCEMENT OF ANY WORK ON THE SITE, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH ALL THE CONDITIONS OF THIS PROJECT; THE CONTRACTORS AND SUBCONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS AND OTHER CONTRACT DOCUMENTS RELATIVE TO THE PORTION OF THE WORK, AS WELL AS ANY INFORMATION FURNISHED BY THE OWNER. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL TAKE FIELD MEASUREMENTS OF ANY EXISTING CONDITIONS RELATED TO THAT PORTION OF THE WORK AND SHALL OBSERVE ANY CONDITION AT THE SITE AFFECTING IT. THESE OBLIGATIONS ARE FOR THE PURPOSE OF FACILITATING CONSTRUCTION BY THE CONTRACTORS AND ARE NOT FOR THE PURPOSE OF DISCOVERING ERRORS, OMISSIONS, AND INCONSISTENCIES IN THE CONTRACT DOCUMENTS; HOWEVER ANY ERRORS, INCONSISTENCIES OR OMISSIONS FOUND BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT. WHERE THE CONTRACTOR OR SUBCONTRACTORS ELECT NOT TO VERIFY DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK OR NOTIFY THE ARCHITECT OF RECORD OR THE OWNER OF ANY DISCREPANCIES, THE GENERAL CONTRACTOR OR SUBCONTRACTOR WILL ASSUME ANY AND ALL LIABILITIES FOR ANY AND ALL CORRECTIONS, REPLACEMENTS AND LABOR TO MAKE-WORK IN ACCORDANCE TO CONTRACT DOCUMENTS.

1.05 GENERAL CONTRACTOR AND SUBCONTRACTORS TO PROVIDE ALL REQUIRED OR NECESSARY MATERIALS, EQUIPMENT OR COMPONENTS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL INSTALLATION, INCLUDING ALL OBVIOUSLY NECESSARY ITEMS EVEN THOUGH SUCH ITEMS ARE NOT INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. ALL CONSTRUCTION METHODS, MATERIALS, ETC. SHALL MEET OR EXCEED ANY AND ALL APPLICABLE BUILDING CODES, STANDARDS AND OR ORDINANCES.

1.06 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTOR, TO BID AND BUILD FROM THE MOST UP-TO-DATE AND COMPLETE SET OF CONSTRUCTION DOCUMENTS. THE RELEASE AND USE OF PARTIAL SETS OF CONSTRUCTION DOCUMENTS DURING BIDDING AND/OR CONSTRUCTION SHALL NOT RELIEVE THE GENERAL CONTRACTOR OR SUBCONTRACTOR OF THEIR RESPONSIBILITY FOR THEIR WORK OR THE COORDINATION OF IT WITH WORK BY ALL TRADES.

1.07 WRITTEN DIMENSIONS GOVERN. DO NOT SCALE DRAWINGS. IF REQUIRED DIMENSIONS ARE NOT INDICATED OR DIMENSIONS CONFLICT OR SEEM TO BE IN ERROR, PROMPTLY NOTIFY THE ARCHITECT FOR RESOLUTION.

1.08 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUBCONTRACTOR AND ALL THEIR FORCES TO BE AWARE OF ALL COMMENTS MADE BY THE JURISDICTIONAL BUILDING DEPARTMENT UPON THE OFFICIAL SIGNED AND SEALED CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL MAINTAIN A PROJECT FIELD SET AND SHALL INCORPORATE ALL APPROVED CHANGES WITHIN THE SCOPE OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO NOTIFY THE ARCHITECT OF ANY AND ALL FIELD CHANGES ORDERED BY THE JURISDICTIONAL INSPECTORS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE WORK REQUIRED BY THESE DOCUMENTS WITH ALL TRADES INCLUDING AND NOT LIMITED TO STRUCTURAL, MECHANICAL, PLUMBING ELECTRICAL AND CIVIL DISCIPLINES.

1.09 STANDARDS CITED HEREIN; THE CODES, SPECIFICATIONS AND OTHER STANDARDS NOTED AND CITED IN THESE CONTRACT DOCUMENT AS PRODUCED BY THE ARCHITECT AND HIS CONSULTANTS ARE HEREIN INCORPORATED AS IF FULLY SET FORTH IN DOCUMENT. THESE NOTES PROVIDE SUPPLEMENTAL INFORMATION NECESSARY FOR THE APPLICATION OF THESE CODES, SPECIFICATIONS AND OTHER STANDARDS BY THE GENERAL CONTRACTOR AND SUBCONTRACTOR AND EMPHASIZE CERTAIN REQUIREMENTS OF THESE CODES, SPECIFICATIONS AND STANDARDS. THESE NOTES SHALL NOT BE CONSTRUED BY ANYONE TO BE ALL-INCLUSIVE OF, OR TO REPLACE OR ALLEVIATE, IN WHOLE OR PART, ANY OF THE CODES, SPECIFICATIONS AND STANDARDS CITED HEREIN. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE KNOWLEDGEABLE OF, AND SHALL AVAIL THEMSELVES TO THESE CODES SPECIFICATIONS AND OTHER STANDARDS AND APPLY THEM TO THE WORK.

1.10 SUBSTITUTIONS RECEIVED AFTER BIDDING WILL BE REVIEWED AT THE DISCRETION OF THE ARCHITECT. ALL SUBSTITUTIONS MUST BE EQUAL OR BETTER THAN ITEM SPECIFIED DEMONSTRATING COMPATIBILITY OF PERFORMANCE, OPERATION AND AESTHETIC QUALITY TO THAT OF THE SPECIFIED ITEM.

SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT IN THE FORM OF AN "ALTERNATE TO CONSTRUCTION DOCUMENTS SPECIFICATION" LETTER STATING EACH ITEM TO BE SUBSTITUTED, ALONG WITH CUT SHEETS FOR BOTH THE SPECIFIED PRODUCT AND ALTERNATE. ALLOW TEN (10) DAYS REVIEW PERIOD FROM ARCHITECT'S RECEIPT OF SUBSTITUTION SUBMITTAL. ARCHITECT WILL DETERMINE ACCEPTABILITY OF ANY AND ALL SUBSTITUTIONS. ALL APPROVALS FOR SUBSTITUTIONS MUST BE OBTAINED PRIOR TO SUBMITTAL FOR SHOP DRAWING REVIEW. THE CONTRACTOR AND SUBCONTRACTORS BEAR ALL ADDITIONAL COSTS OF UNACCEPTABLE SUBSTITUTION IF USED IN ORIGINAL BID BEARS ALL ADDITIONAL COST FOR REMEDY IF UNAPPROVED SUBSTITUTION IS UTILIZED, DISCOVERED AND UNACCEPTABLE. SUBSTITUTIONS WILL NOT BE CONSIDERED DUE TO SUB-CONTRACTORS LACK OF PROPER AND TIMELY ORDERING, SCHEDULING AND/OR PLANNING.

1.11 SUBMIT FIVE (5) COPIES OF ALL SHOP DRAWINGS AND SIX (6) COPIES OF ALL PRODUCT SUBMITTALS REQUESTED BY THE ARCHITECT AND/OR THE JURISDICTIONAL AUTHORITY AND/OR GENERAL CONTRACTOR, REQUIRED FOR ALL CUSTOM FABRICATED WORK OR AS REQUESTED HEREIN. A MINIMUM OF TEN (10) WORKING DAYS SHOULD BE ESTIMATED FOR PROPER REVIEW OF SHOP DRAWINGS AND SUBMITTALS.

1.12 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) THE FOLLOWING PRODUCT SUBMITTAL CUT SHEETS WILL BE REQUIRED FOR THE RELATED WORK: ELECTRICAL SWITCHGEAR, LIGHTING, FIRE ALARM, HVAC EQUIPMENT, ROOF MEMBRANE, INSULATION AND FLASHINGS, CONCRETE, DOOR AND HARDWARE, RESTROOM ACCESSORIES AND FINISHES, STRUCTURAL STEEL, REINFORCED STEEL, MISCELLANEOUS STEEL, GLAZING SYSTEMS, CONCRETE, PLUMBING, WATERPROOFING SYSTEMS, MILLWORK, FIRE SPRINKLER, FOUNTAINS / FOUNTAIN COMPONENTS AND EXTERIOR FINISH.

1.13 THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL ACQUIRE ALL NECESSARY PRODUCT APPROVALS USED AND INSTALLED ON THIS PROJECT AS WELL AS ANY ADDITIONAL COUNTY AND LOCAL JURISDICTION REQUIRING ADDITIONAL DATA, CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER TO CERTIFY APPLICATION OF SAID PRODUCT IN ACCORDANCE TO THE CODE HAVING JURISDICTION.

1.14 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO REVIEW ALL SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMITTING SAME TO THE ARCHITECT. THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING ACTUAL EXISTING CONDITIONS RELATING TO SHOP DRAWINGS AND/OR SUBMITTALS.

1.15 WORK SHALL NOT COMMENCE WITHOUT RELATED SHOP DRAWINGS AND/OR SUBMITTALS BEING APPROVED. THE GENERAL CONTRACTOR AND SUBCONTRACTORS BEAR RESPONSIBILITY OF ALL COSTS IF CHANGES ARE REQUIRED OF WORK THAT HAS BEEN PERFORMED WITHOUT PRIOR REVIEW AND APPROVAL OF SHOP DRAWINGS AND/OR SUBMITTALS.

1.16 ALL MATERIALS SHALL BE NEW, FREE OF ALL DEFECTS AND SUITABLE FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND INDUSTRY STANDARDS.

1.17 THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PREPARE AND MAINTAIN THROUGH-OUT THE LENGTH OF CONSTRUCTION A FULL AND CURRENT SET OF ACCURATE "AS-BUILT" DRAWINGS. UPON COMPLETION OF THIS PROJECT SUCH DRAWINGS WILL BE PRESENTED TO THE OWNER FOR HIS PERMANENT RECORDS AND INFORMATION.

PART - 2.0 - SITE WORK

2.01 REFER TO THE CONSTRUCTION DOCUMENTS FOR ALL REQUIREMENTS AND STANDARDS.

2.02 THE SOIL PAD UNDER ALL NEW INTERIOR FLOOR SLABS AND ALL FOUNDATION WALLS SHALL RECEIVE AN APPLIED SOIL POISONING TREATMENT TO PREVENT THE INFESTATION OF SUBTERRANEAN TERMITES. PROVIDE MATERIAL AND CHEMICALS APPROVED BY APA FOR THIS TYPE OF APPLICATION.

PART 3.0 - CONCRETE

3.01 REFER TO THE CONSTRUCTION DOCUMENTS / STRUCTURAL DRAWINGS FOR ALL REQUIREMENTS AND STANDARDS RELATING TO CONCRETE.

3.02 INTERIOR CONCRETE FLOOR SLABS SHALL HAVE A SMOOTH STEEL TROWELED FLAT FINISH, HARDWARE AND SEALERS AS PER PLANS.

3.03 EXTERIOR CONCRETE SLABS SHALL RECEIVE LIGHT BROOM FINISH.

3.04 CONCRETE CONSTRUCTION JOINTS SHALL BE KEYED, AND EXPANSION JOINT FILLER INSTALLED IN A MANNER AS PER AC308 AND ACI STANDARDS.

PART 4.0 - CONCRETE MASONRY UNITS

4.01 PROVIDE AND INSTALL ALL CONCRETE MASONRY UNITS, MORTAR REINFORCEMENTS AND RELATED MATERIALS REQUIRED FOR THIS WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS / STRUCTURAL DRAWINGS.

PART 5.0 - METALS

5.01 PROVIDE ALL STRUCTURAL STEEL, MISCELLANEOUS METALS, METAL DECKING, PLATES, BOLTS, ETC., REQUIRED FOR THIS WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS / STRUCTURAL DRAWINGS OR REQUIRED FOR A COMPLETE AND OPERATIONAL FACILITY.

5.02 ALL MATERIALS SHALL BE NEW, SUITABLE FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPROVED SHOP DRAWINGS.

5.03 ALL STRUCTURAL STEEL STUDS SHALL BE GALVANIZED, SIZES AND GAUGE AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

5.04 ALL EXPOSED STEEL USED AS STRUCTURAL, DECORATIVE OR ARCHITECTURAL FEATURES SHALL BE MIN. G-90 GALVANIZED. FASTENERS USED IN EXPOSED CONDITION SHALL BE GALVANIZED UNLESS OTHERWISE INDICATE TO BE STAINLESS STEEL.

PART 6.0 - WOOD

6.01 PROVIDE ALL REQUIRED, NAILS, BOLTS, SCREWS, FRAMING ANCHORS, AND THE LIKE ITEMS NEEDED FOR ROUGH AND FINISHED CARPENTRY IN THIS WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS OR REQUIRED FOR A COMPLETE AND OPERABLE FACILITY.

6.03 ALL WOOD USED IN CONNECTION WITH ROOFING, FLASHING, WATERPROOFING, ALL MEMBERS IN CONTACT WITH MASONRY, AND ALL MEMBERS LESS THAN 24" ABOVE THE GROUND SHALL BE PRESSURE TREATED.

6.04 SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS INDICATED AND AS REQUIRED BY RECOGNIZED STANDARDS.

6.05 PROVIDE FIRE TREATED WOOD STUD EACH SIDE OF ALL RECESSED EQUIPMENT AND ACCESSORIES, DOOR JAMBS, ETC.

6.06 PROVIDE WOOD GROUNDS, NAILERS AND SLEEPERS WHERE INDICATED ON DRAWINGS AND AS REQUIRED. PROVIDE ALL WORKMANSHIP IN ACCORDANCE WITH (AWI) AMERICAN WOODWORKING INSTITUTE AND (MIC) WOOD INSTITUTE OF CALIFORNIA, QUALITY STANDARDS.

6.07 WHERE WOOD IS REQUIRED AND IS CONCEALED SAID WOOD MUST BE FIRE RETARDANT TREATED WOOD.

PART 8.0 - DOORS AND WINDOWS

8.01 PROVIDE SIGNED AND SEALED CALCULATIONS BY A FLORIDA REGISTERED STRUCTURAL ENGINEER FOR STOREFRONT SYSTEM. ENGINEER TO CALCULATE MINIMUM WIND LOAD REQUIREMENTS IN ACCORDANCE WITH ASCE 7 REQUIREMENTS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE.

8.02 ALUMINUM STOREFRONT ENTRY DOORS SHALL BE UNLESS OTHERWISE NOTED. ALUMINUM STOREFRONT ENTRY DOOR AND FRAME. MANUFACTURER COLOR, ANODIZED FINISH TO RESIST WIND LOADS AS PER CODE. LOW-E GLASS COMPOSITION, INCLUDING LAMINATION OF INTERLAYER AND INBOUND GLAZING AS REQUIRED FOR WINDOW SYSTEM. GLAZING MINIMUM SHADING COEFFICIENT OF .80. REFER TO THE CONSTRUCTION DOCUMENTS FOR ALL RELATED HARDWARE AND ACCESSORIES.

8.03 ALUMINUM STOREFRONT WINDOW SYSTEMS TO BE FIXED WITH ANODIZED FINISH ALUMINUM FRAME AND MULLIONS. LOW-E CLEAR GLASS WITH TINT. IMPACT RESISTANT TO MEET DADE COUNTY APPROVAL. PROVIDED WITH THE SAME GLASS AS DESCRIBED FOR ENTRY DOORS HEREIN. SHALL RESIST WIND LOADS AS REQUIRED FOR THIS PROJECT AND INSTALLED AS PER MANUFACTURER SPECS AND PRODUCT APPROVAL REQUIREMENTS. SEE DOOR SCHEDULE FOR DOOR SIZES.

8.04 HOLLOW METAL DOORS AND FRAMES SHALL BE AS DESCRIBED HEREIN, 18 GAUGE DOORS WITH 16-GAUGE FRAMES MINIMUM G-90 GALVANIZED METAL, SHOP PRIMED. INSTALLATION SHALL INCLUDE ALL REQUIRED ACCESSORIES AND SHALL BE AS PER INDUSTRY STANDARDS. REFER TO THE CONSTRUCTION DOCUMENTS FOR ALL RELATED HARDWARE AND ACCESSORIES. ALL STEEL DOORS TO BE PROVIDED WITH A CURRENT PRODUCT APPROVAL, MEETING THE MINIMUM REQUIRED WIND PRESSURE AS INDICATED ON DRAWINGS.

8.05 GLAZING DESCRIPTION: PROVIDE GLASS AND GLAZING THAT HAS BEEN PRODUCED, FABRICATED AND INSTALLED TO WITHSTAND NORMAL THERMAL MOVEMENT, WIND LOADING AND IMPACT LOADING (WHERE APPLICABLE), WITHOUT FAILURE INCLUDING LOSS OR BREAKAGE OF GLASS, FAILURE OF

SEALANTS OR GASKETS TO REMAIN WATERTIGHT AND AIRTIGHT, DETERIORATION OF GLASS AND GLAZING MATERIALS, AND OTHER DEFECTS IN THE WORK.

8.06 GLAZING STANDARDS: COMPLY WITH RECOMMENDATION OF FLAT GLASS MARKETING ASSOCIATION (FGMA) "GLAZING MANUAL" AND "SEALANT MANUAL" EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED. REFER TO THOSE PUBLICATIONS FOR DEFINITIONS OF GLASS AND GLAZING TERMS NOT OTHERWISE DEFINED IN THIS SECTION OR OTHER REFERENCED STANDARDS.

8.07 GLAZING LABELING: EACH PIECE OF GLASS SHALL BE PERMANENTLY LABELED WITH MANUFACTURER'S NAME AND PRODUCT NAME, UL LOGO, AND FIRE-RATING.

PART 9.0 - FINISHES

9.03 EXTERIOR STUCCO WORK AND RELATED ACCESSORIES AND MATERIAL SHALL BE INSTALLED AS DESCRIBED HEREIN WITH SMOOTH FINISH OVER CONCRETE MASONRY UNITS, WHERE NOTED, PROVIDE (3) COATS MINIMUM THICKNESS OF 5/8". GENERAL CONTRACTOR (G.C.) TO PROVIDE SAMPLE OF STUCCO FINISH PRIOR TO COMMENCEMENT OF STUCCO WORK. PROVIDE NECESSARY CONTROL OR EXPANSION JOINTS AS PER INDUSTRY STANDARDS. ALL SCREEDS, JOINTS OR TRIMS TO BE OF PVC PLASTIC. PROVIDE MANUFACTURERS STANDARD INTERCONNECTING UNITS AT ALL JOINTS, SEALED CONNECTIONS WITH SILICONE SEALANT.

1. G.C. SHALL DETERMINE, PRIOR TO BEGINNING HIS SCOPE OF WORK, THAT THE SUBSTRATE PROVIDED BY OTHERS IS ACCEPTABLE AND WILL ALLOW G.C. TO PERFORM HIS WORK TO A HIGH LEVEL OF STANDARD.

2. THIS IS A 3-COAT STUCCO INSTALLATION WITH A LARGE AMOUNT OF REGLETS TO PROVIDE THE APPEARANCE INDICATED ON THE ARCHITECTURAL DRAWINGS.

3. PRIOR TO THE INSTALLATION OF THE REGLET SYSTEM, G.C. SHALL PROVIDE A SCRATCH COAT, WHICH WILL BE USED TO PROVIDE A LEVEL SUBSTRATE BOTH IN A HORIZONTAL AND VERTICAL PLANE.

4. ONCE THE SCRATCH COAT HAS BEEN INSTALLED G.C. SHALL PROVIDE AND INSTALL THE REGLET SYSTEM MANUFACTURED BY PLASTIC PC COMPONENTS ULTRA-TRACK SYSTEM WITH 1/2" GROUND AND 5/8" REVEAL ACCORDING TO THE ARCHITECTURAL DRAWINGS. THIS SYSTEM WILL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE ARCHITECT. G.C. SHALL BE RESPONSIBLE TO PROVIDE APPROPRIATE SEALANT AT EACH INTERSECTION OF THE REGLET SYSTEM SO AS TO INSURE THAT THE JOINTS DO NOT LEAK.

5. ONCE THE REGLET SYSTEM HAS BEEN INSTALLED AND APPROVED BY THE ARCHITECT G.C. SHALL INSTALL THE BROWN COAT AND FINISH COATS ACCORDING TO THE SPECIFICATIONS ATTACHED TO THIS CONTRACT.

6. G.C. SHALL TAKE PROPER CARE OF THE REGLETS FROM THE STUCCO WORK AND WILL INSURE THAT THE REGLETS ARE FREE FROM ALL STUCCO DEBRIS.

7. THE FINISH COAT SHALL HAVE A SMOOTH FINISH WHICH FOR ALL PRACTICAL PURPOSES WILL BE FLAT AND TRUE.

9.05 PROVIDE PAINT SYSTEM BEST COMMERCIAL SERIES PAINT SYSTEMS BY SHERWIN WILLIAMS, OR APPROVED EQUAL. SYSTEMS TO BE BASED AS FOLLOWS;

- EXTERIOR FINISH OVER STUCCO - LOXON SYSTEM
- EXTERIOR FINISH OVER METALS - 2 COAT SYSTEM - GLOSS - INDUSTRIAL SERIES ENAMEL.
- INTERIOR FINISH OVER DRYWALL - 3 COAT SYSTEM - FLAT ACRYLIC LATEX.
- INTERIOR WOOD TRIM AND DOORS - PRIMED AND 2 COAT SEMI GLOSS LATEX
- ALL OTHER AREAS TO BE PER ARCHITECT'S APPROVAL.

9.06 CERAMIC TILE - STATIC COEFFICIENT OF FRICTION: FOR TILE INSTALLED ON WALKING SURFACES, PROVIDE PRODUCTS WITH THE E FOLLOWING MINIMUM VALUES AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER ASTM C-1028.

- LEVEL SURFACE: MIN. 0.6

9.07 RESILIENT TILE: PROVIDE PRODUCTS COMPLYING WITH ASTM F1066, CLASS 2 THROUGH PATTERN, COMPOSED OF VINYL RESIN, REINFORCING FIBERS, COLOR, PIGMENTS, AND INERT FILLER, MARBLEIZED PATTERN, SURFACE DESIGN WITH COLOR AND DESIGN CONTINUING THROUGH THE FULL THICKNESS OF THE TILE; WITHOUT VARIATION FROM SURFACE COLOR AND DESIGN, MINIMUM SIZE 12 INCH X 12 INCH X 1/8 INCH THICK.

9.08 RESILIENT BASE: WALL BASE: PROVIDE PREFORMED (A.K.A. MOLDED) RUBBER COVE BASE 4 INCHES HIGH X 1/8 THICK, STANDARD TOE, MATTE FINISH, COMPLYING WITH ASTM F1861, TYPE TS (THERMOSET), STYLE B (COVE) INSTALLED LENGTHS AS LONG AS PRACTICABLE FROM ROLL STOCK; COLOR AS SELECTED BY CONSULTANT FROM MANUFACTURER'S STANDARD RANGE OF COLORS.

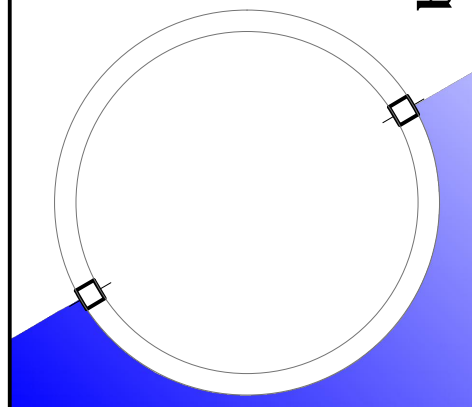
9.09 ALL CEILING MATERIALS, HEIGHTS AND LOCATIONS ARE DESCRIBED HEREIN. CEILING SYSTEM TO BE INSTALLED WITH ALL

REQUIRED ACCESSORIES AS PER INDUSTRY STANDARDS. FINISH TO BE SMOOTH ONE COAT FINISH SYSTEM FOR AREAS INDICATED ON DRAWINGS.

CONTRACTOR TO PROVIDE ARCHITECT WITH ALL PROPOSED NOAS FOR ARCHITECT'S APPROVAL BEFORE SUBMITTING TO THE BUILDING DEPARTMENT.

INTERIOR IMPROVEMENTS FOR:

CYCLE WARD



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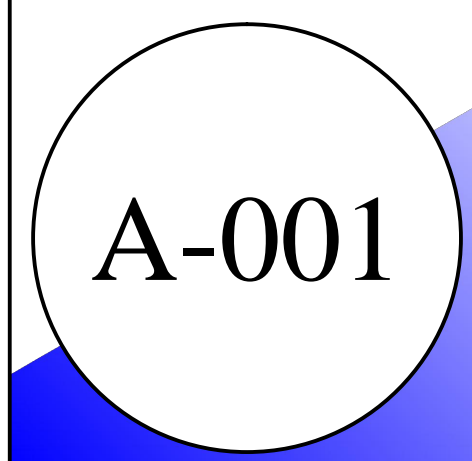
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07/02/14	131204

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SPECIFICATIONS

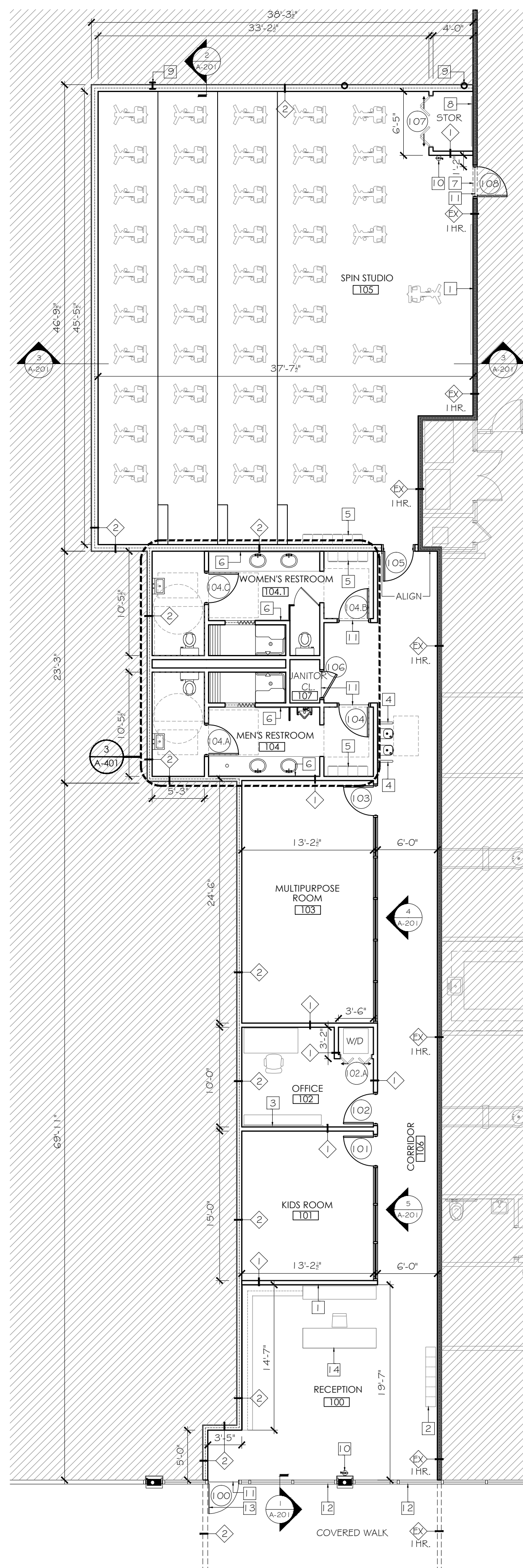
CONSTRUCTION DOCUMENTS



NOT USED
SCALE:

5
A-101

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



FLOOR PLAN LEGEND	
	NEW G.W.B. PARTITION
	NEW 1-HR. FIRE RATED PARTITION
	EXISTING 1-HR. FIRE RATED PARTITION

4
A-101

KEY NOTES
SCALE:

- 1 PROVIDE WOOD BACKING.
- 2 SHOE CUBBIES. SEE DETAIL 1 SHEET 502.
- 3 8'-0" X 4'-0" PLYWOOD BOARD PAINTED BLACK.
- 4 CANE DETECTION RAIL.
- 5 LOCKERS.
- 6 MIRROR.
- 7 EXISTING PARTITION TO BE REMOVED TO ACCOMMODATE NEW EXIT DOOR.
- 8 5'-0" X 4'-0" PLYWOOD BOARD PAINTED BLACK.
- 9 EXISTING COLUMN TO REMAIN.
- 10 FIRE EXTINGUISHER, REFER TO DETAIL 11/A-4.1.
- 11 NEW FLOOR TRANSITION, REFER TO DETAIL G ON SHEET A-3.1.
- 12 EXISTING STOREFRONT SYSTEM TO REMAIN.
- 13 EXISTING STOREFRONT DOOR.
- 14 RECEPTION DESK. SEE DETAIL 2 SHEET 502.

1
A-101

GENERAL NOTES
SCALE: -

PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY CLEARANCES OF DUCTWORK AND LIGHTS. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION.

INTERIOR WALL AND CEILING FINISHES COMPLYING WITH NFPA 101 CHAPTER 10.2.3 SHALL BE CLASS A OR CLASS B IN EXITS AND IN ENCLOSED CORRIDORS FURNISHING ACCESS TO EXITS; AND CLASS A, CLASS B, CLASS C IN OFFICE AREAS.

INTERIOR FLOOR FINISH COMPLYING WITH NFPA 101 CHAPTER 10.2.7 SHALL BE CLASS I OR CLASS II IN CORRIDORS AND EXITS.

CONTRACTOR TO COORDINATE CABINET INSTALLATION WITH ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL DRAWINGS AND CABINET SHOP DRAWINGS.

CONTRACTOR TO COORDINATE ALL INTERIOR BUILT-INS AND INTERIOR FINISHES - FLOORING, CEILINGS, PAINT, PLASTIC LAMINATING, ETC. - COLOR AND STYLE WITH TENANT/OWNER PRIOR TO FABRICATION AND/OR INSTALLATION.

PIPES AND WIRES PASSING THROUGH FIRE RATED PARTITION ASSEMBLIES ARE TO BE PROTECTED AS PER F.B.C. SECTIONS 705.5.1.2 AND 705.6.1. SEE DETAIL 2/A-001.

ONE FIRE EXTINGUISHER MUST BE LOCATED PER 3000 SQ. FT. OF FLOOR SPACE WITH A MAXIMUM OF 75' FROM ANY ONE POINT IN THIS SPACE.

(2) FIRE EXTINGUISHERS REQUIRED (2) PROVIDED

= LOCATION OF NEW FIRE EXTINGUISHER.

FLAMMABLE AND COMBUSTIBLE MATERIALS, IF USED DURING CONSTRUCTION, SHALL BE HANDLED AND STORED IN ACCORDANCE WITH NFPA 30.

2
A-101

CONSTRUCTION NOTES
SCALE:

SAFEGUARD DURING CONSTRUCTION:

1. THIS PROJECT SHALL CONFORM TO ALL SAFEGUARD CONSTRUCTION REQUIREMENTS AS PER CHAPTER 33 OF THE 2010 F.B.C. AND ALL PREVAILING CODES UNDER THIS JURISDICTION.
2. STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.
3. PER N.F.P.A. 1141 SECTION 3-9.6 AT LEAST ONE PORTABLE FIRE EXTINGUISHER HAVING A RATING OF AT LEAST 4-A, 30-BC SHALL BE WITHIN A TRAVEL DISTANCE OF 75 FT OR LESS TO ANY POINT OF A STRUCTURE UNDER CONSTRUCTION. PERSONNEL NORMALLY ON THE CONSTRUCTION SITE SHALL BE INSTRUCTED IN THE USE OF THE FIRE EXTINGUISHER PROVIDED.

3
A-101

CONSTRUCTION NOTES:

1. PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY CLEARANCES OF DUCTWORK AND LIGHTS. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION.
2. INTERIOR WALL AND CEILING FINISHES COMPLYING WITH NFPA 101 CHAPTER 10.2.3 SHALL BE CLASS A OR CLASS B IN EXITS AND IN ENCLOSED CORRIDORS FURNISHING ACCESS TO EXITS; AND CLASS A, CLASS B, CLASS C IN OFFICE AREAS.
3. INTERIOR FLOOR FINISH COMPLYING WITH NFPA 101 CHAPTER 10.2.7 SHALL BE CLASS I OR CLASS II IN CORRIDORS AND EXITS.
4. CONTRACTOR TO COORDINATE ALL INTERIOR BUILT-INS AND INTERIOR FINISHES - FLOORING, CEILINGS, PAINT, PLASTIC LAMINATING, ETC. - COLOR AND STYLE WITH TENANT/OWNER PRIOR TO FABRICATION AND/OR INSTALLATION.
5. PIPES AND WIRES PASSING THROUGH FIRE RATED PARTITION ASSEMBLIES ARE TO BE PROTECTED AS PER F.B.C. SECTIONS 705.5.1.2 AND 705.6.1. SEE SHEET A-5.1 FOR DETAILS.
6. FLAMMABLE AND COMBUSTIBLE MATERIALS, IF USED DURING CONSTRUCTION, SHALL BE HANDLED AND STORED IN ACCORDANCE WITH NFPA 30.
7. CORRIDOR PARTITIONS, SMOKESTOP PARTITIONS, HORIZONTAL EXIT PARTITIONS, EXIT ENCLOSURES AND FIRE RATED WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING STATING: "FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS." SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING AND IN CONCEALED OPENINGS.

**INTERIOR IMPROVEMENTS FOR:
CYCLE WARD**

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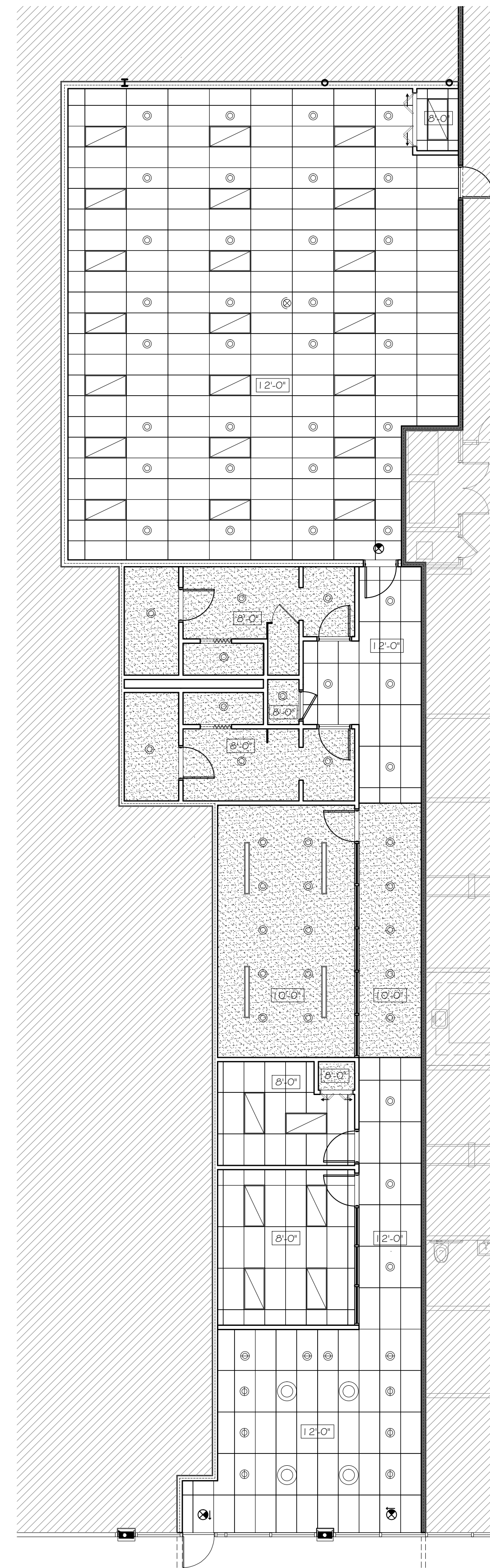
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R E V I S I O N S

FLOOR PLAN

CONSTRUCTION DOCUMENTS

A-101



REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS. NO SUBSTITUTIONS ALLOWED UNLESS APPROVED BY ARCHITECT PRIOR TO BID SUBMITTAL.

SEE ELEC. DWGS. FOR FIRE ALARM EMERGENCY LIGHTING INFO.

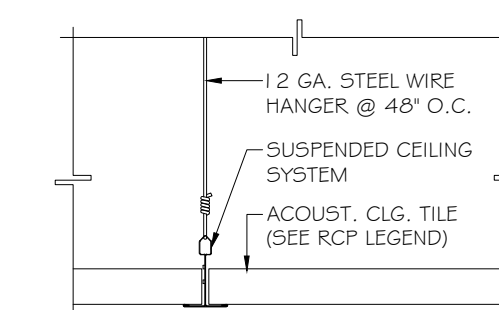
SEE MECHANICAL DWGS. FOR A/C DIFFUSERS AND RETURN AIR GRILL LOCATIONS.

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

4
A-102

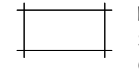
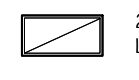


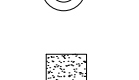

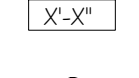


NOT USED
SCALE:

3
A-102



TYP. REFLECTED CEILING DETAIL
SCALE: 3"=1'-0"

2
A-102

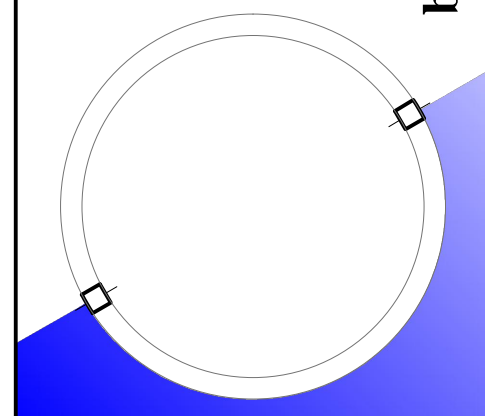
-  DENOTES A 2x4 SUSPENDED CLG. SYSTEM AND ACOUST. CLG. TILE. COLOR: BLACK.
-  2x4 RECESSED FLUORESCENT LIGHT FIXTURE - PRISMATIC
-  HI-HAT FLUORESCENT LIGHT
-  6" x 5'-0" RECESSED FLUORESCENT LIGHT FIXTURE - BLACK LIGHT.
-  INDUSTRIAL PENDANTS.
-  DENOTES NEW G.W.B. CLG. SYSTEM WITH 3 3/8" 25 GA. METAL STUDS @ 12" O.C. AND 3/8" GYPSUM WALLBOARD ONE SIDE.
-  FINISHED CLG. HEIGHT A.F.F.
-  EXIT LIGHT
-  CEILING MOUNT PROJECTOR

NOTE
ALL LIGHT AND VENTILATION FIXTURE ON CEILING ARE BLACK COLOR.

CEILING PLAN LEGEND
SCALE: 3"=1'-0"

1
A-102

INTERIOR IMPROVEMENTS FOR:
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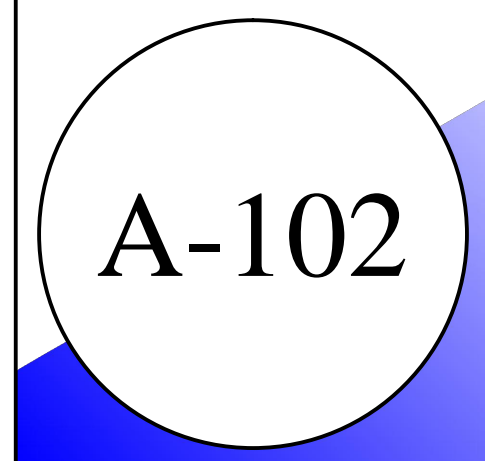
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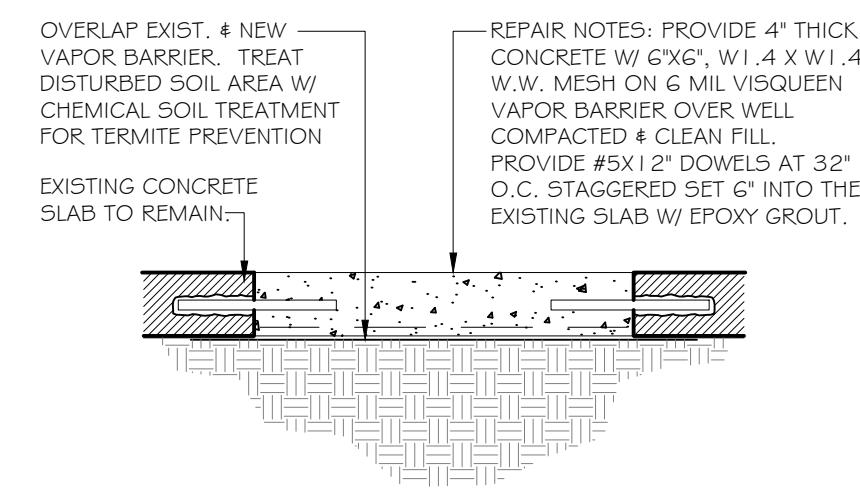
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CEILING PLAN

CONSTRUCTION DOCUMENTS



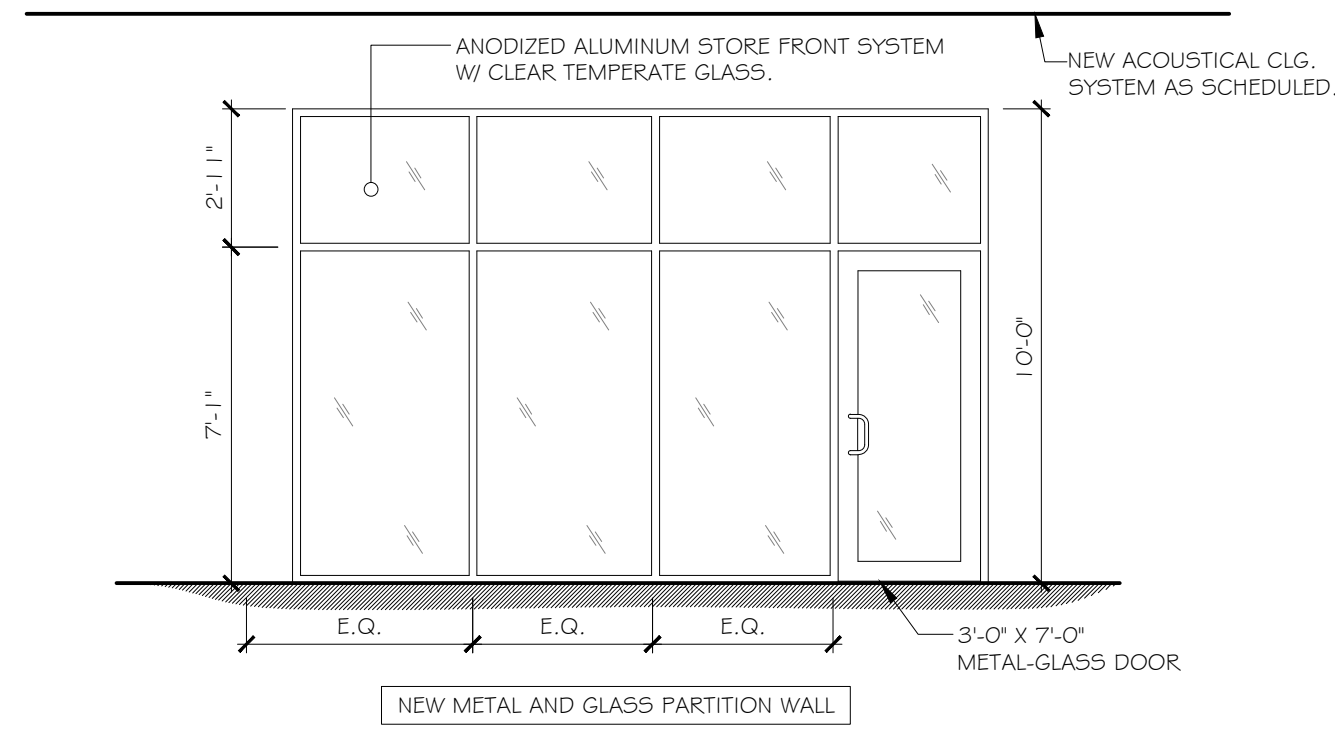


CONTRACTOR SHALL CUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED BY NEW PLUMBING. COORDINATE NEW FLOOR SLAB OPENINGS WITH PLUMBING DRAWINGS

SLAB REPAIR DETAIL

SCALE: 1"=1'-0"

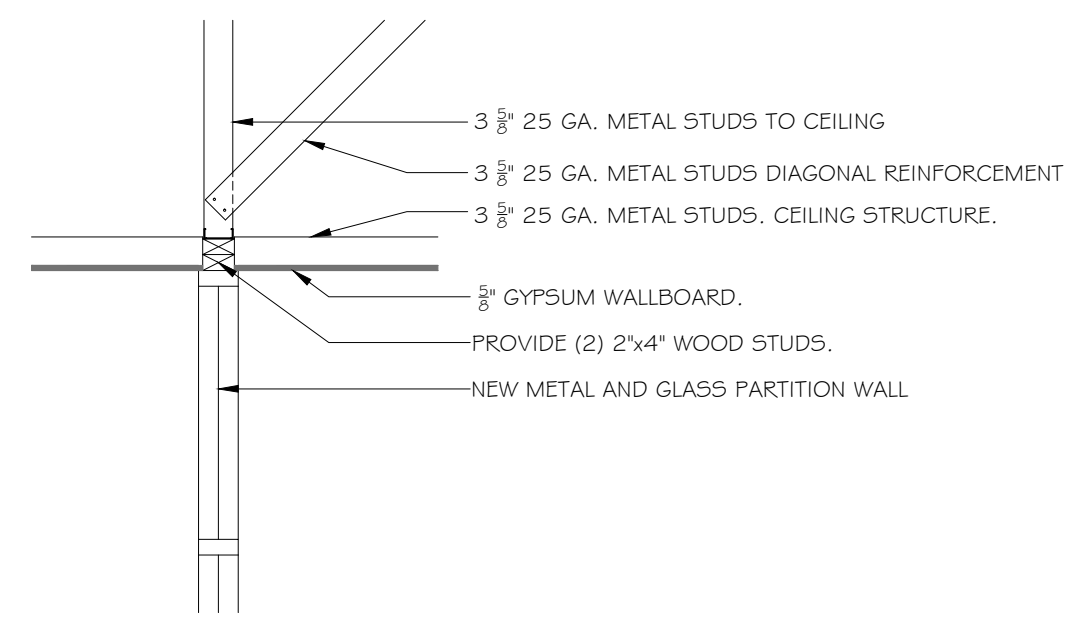
7
A-201



INTERIOR ELEVATION

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

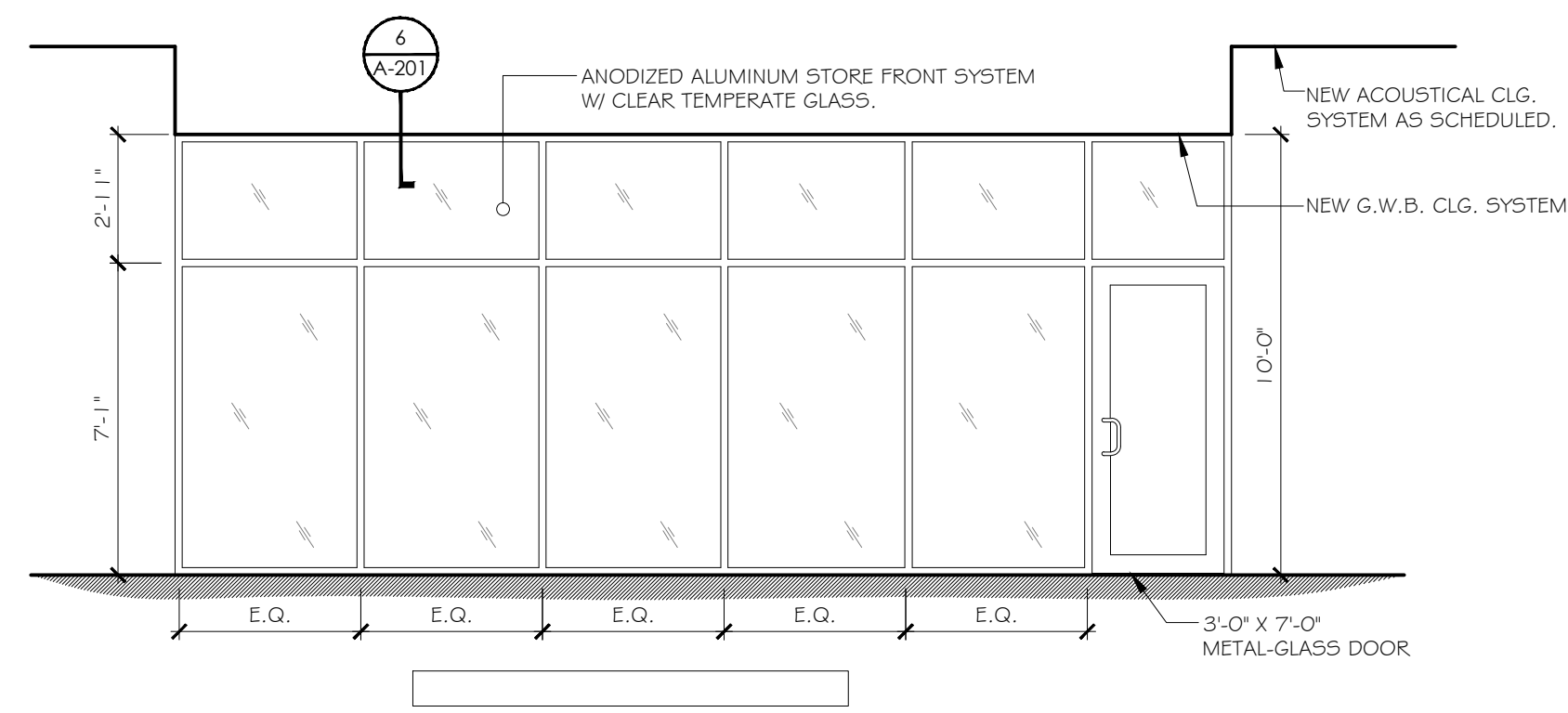
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A-201



FRAMING SUPPORT DETAIL

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

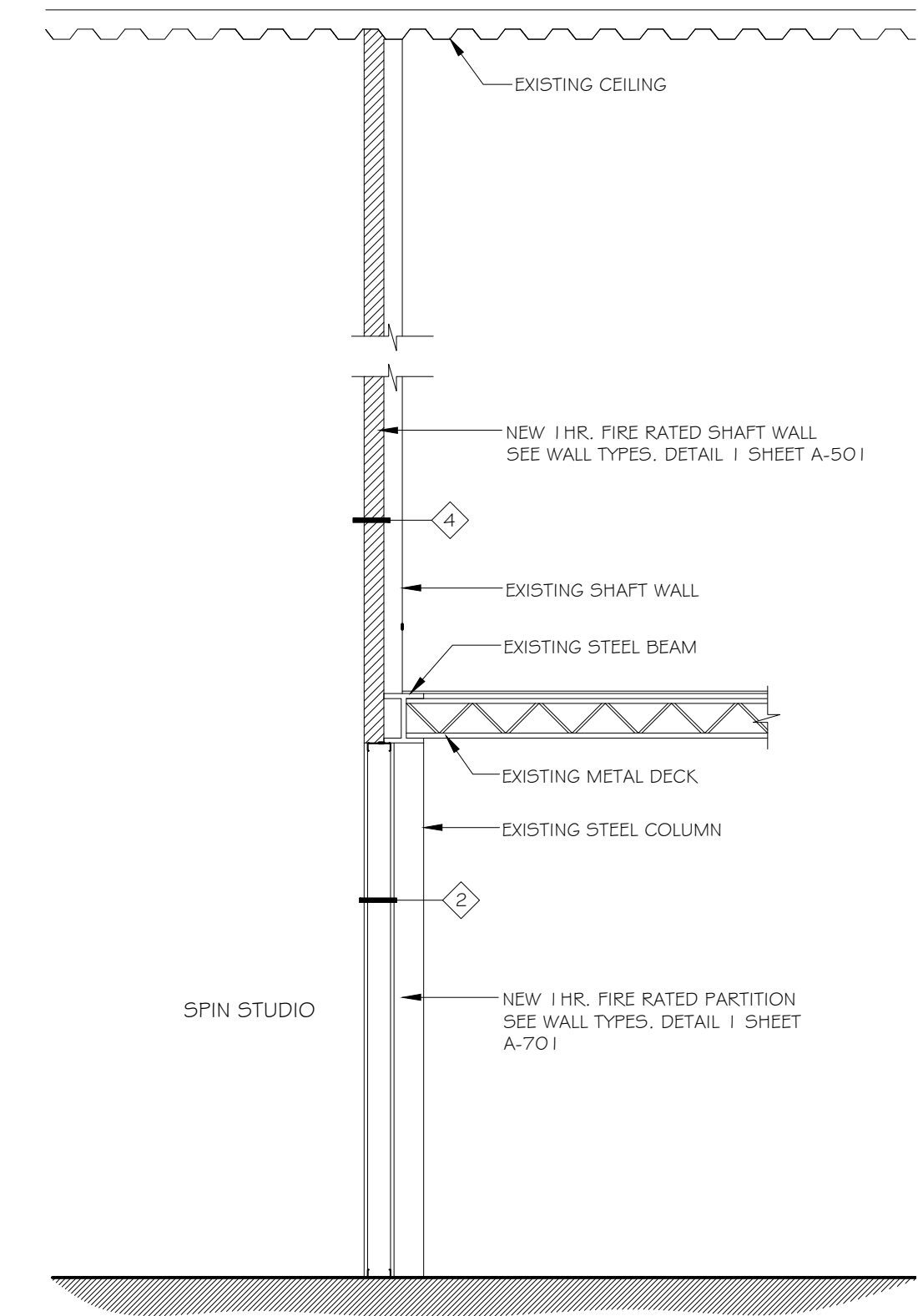
6
A-201



INTERIOR ELEVATION

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

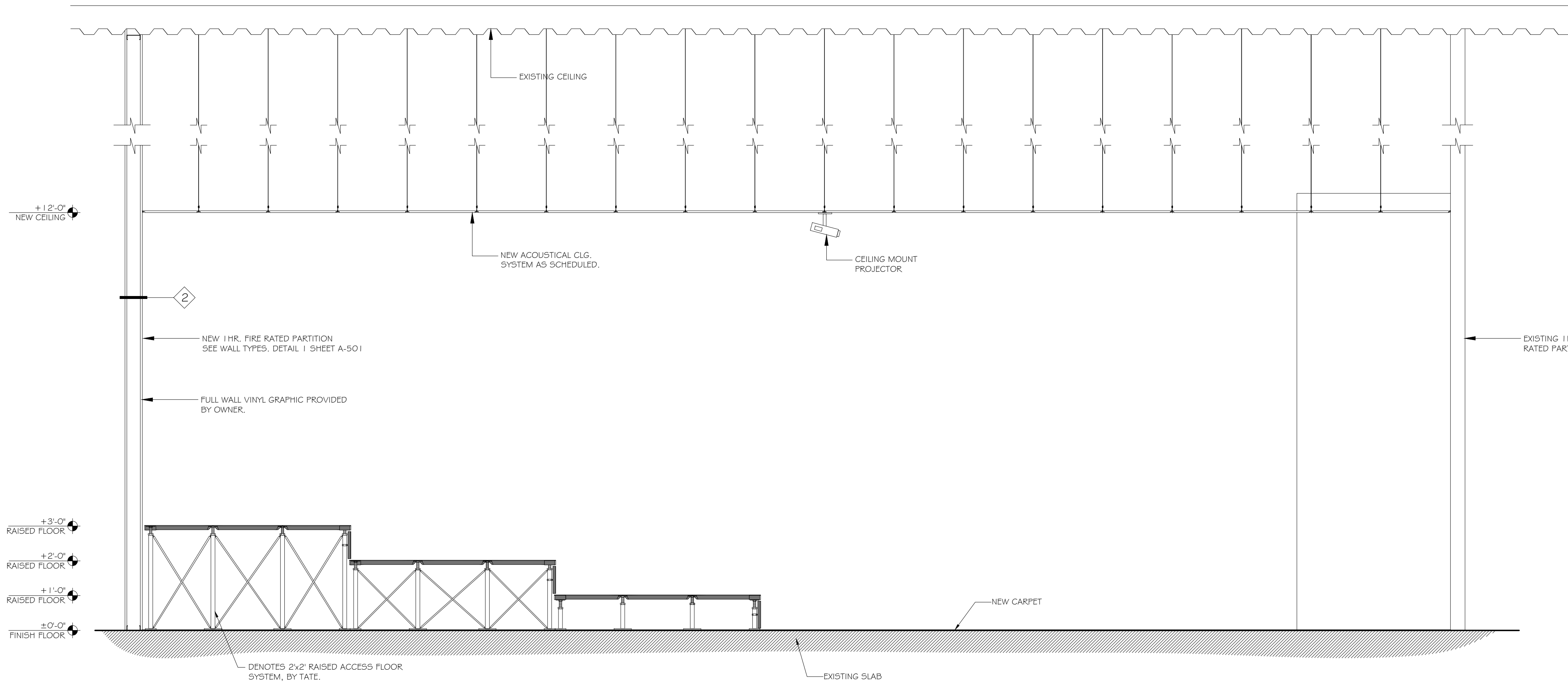
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A-201



WALL SECTION DETAIL

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

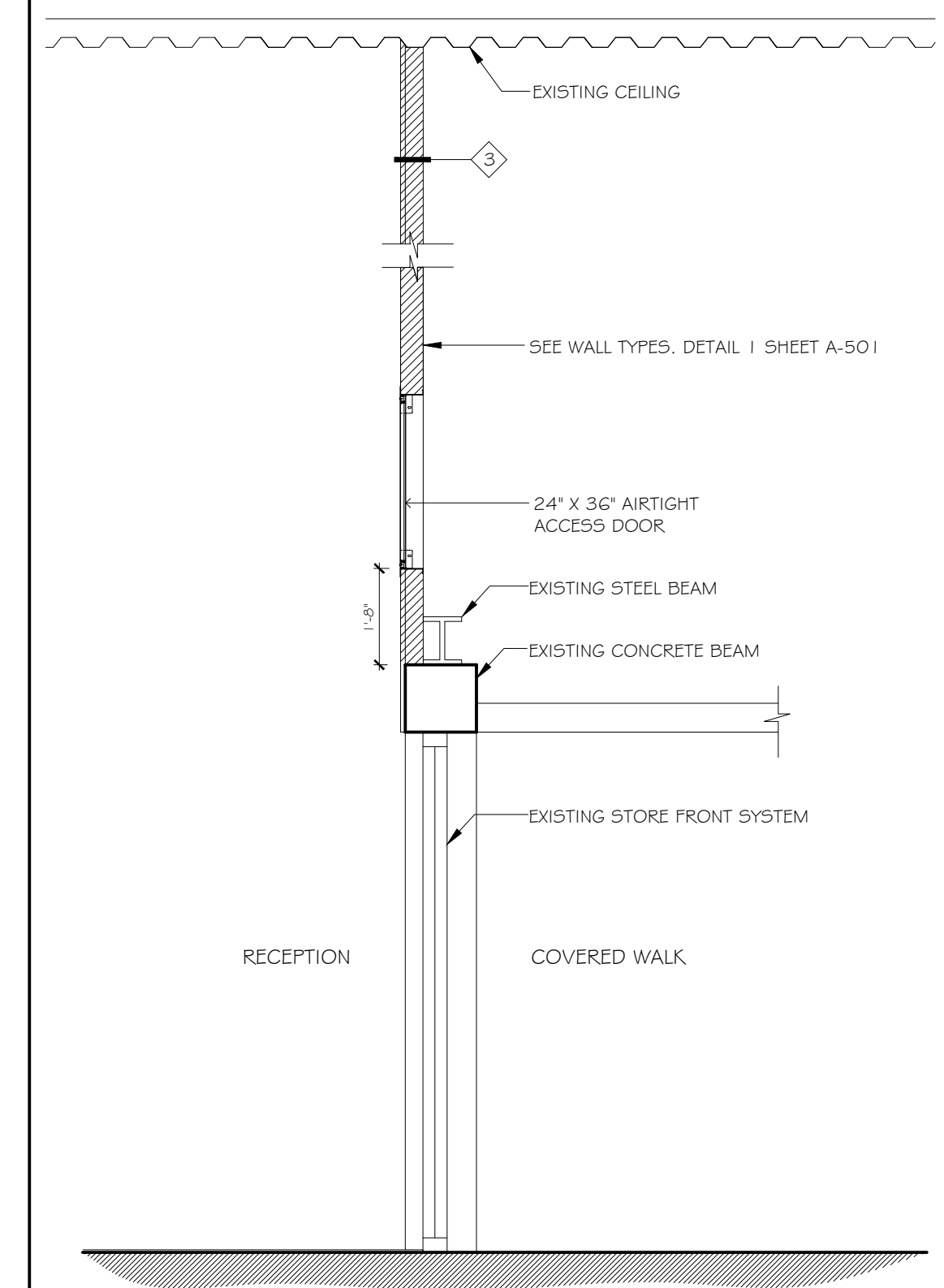
2
A-201



RAISED ACCESS FLOOR SYSTEM

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

3
A-201



WALL SECTION DETAIL

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

1
A-201

INTERIOR IMPROVEMENTS FOR:
CYCLE WARD

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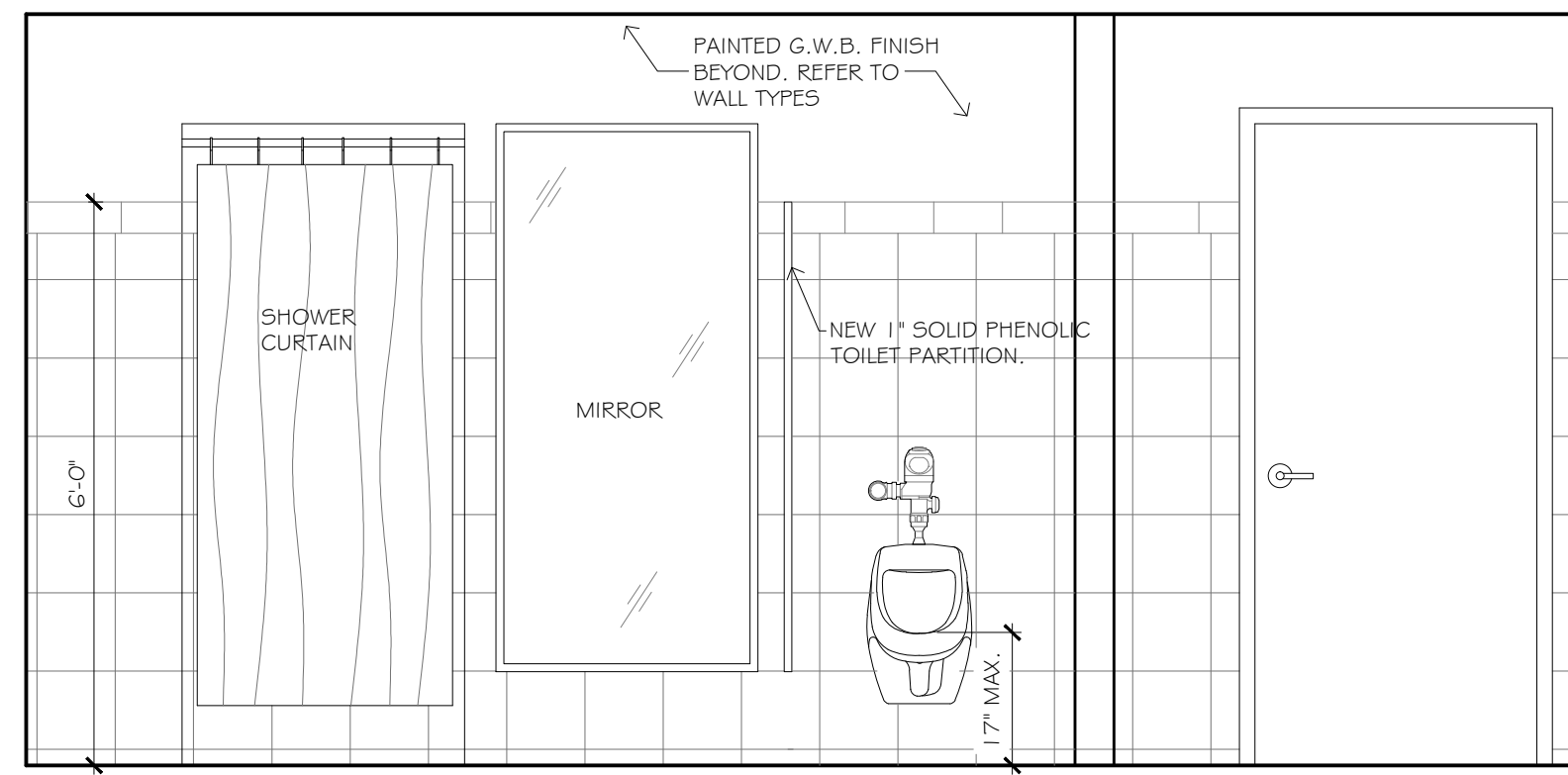
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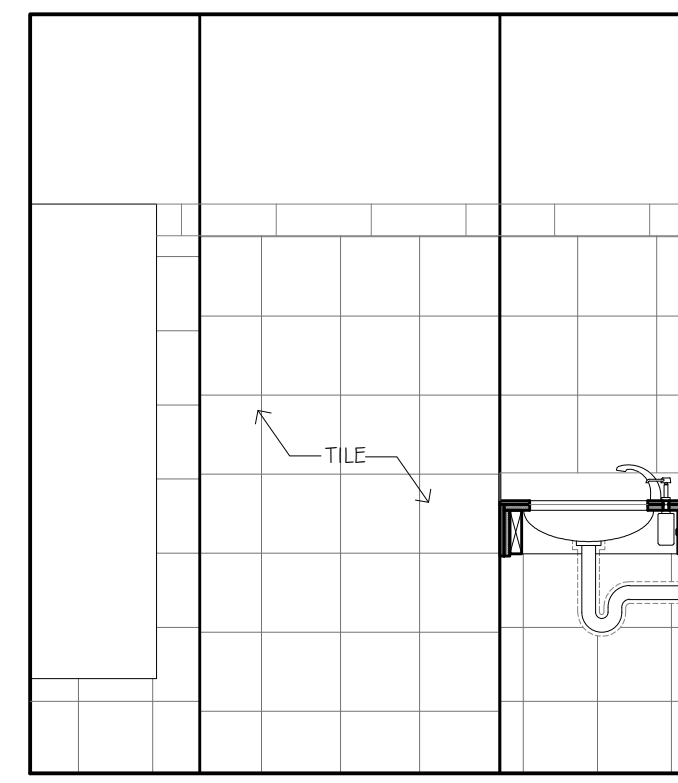
SECTIONS AND DETAILS

CONSTRUCTION DOCUMENTS

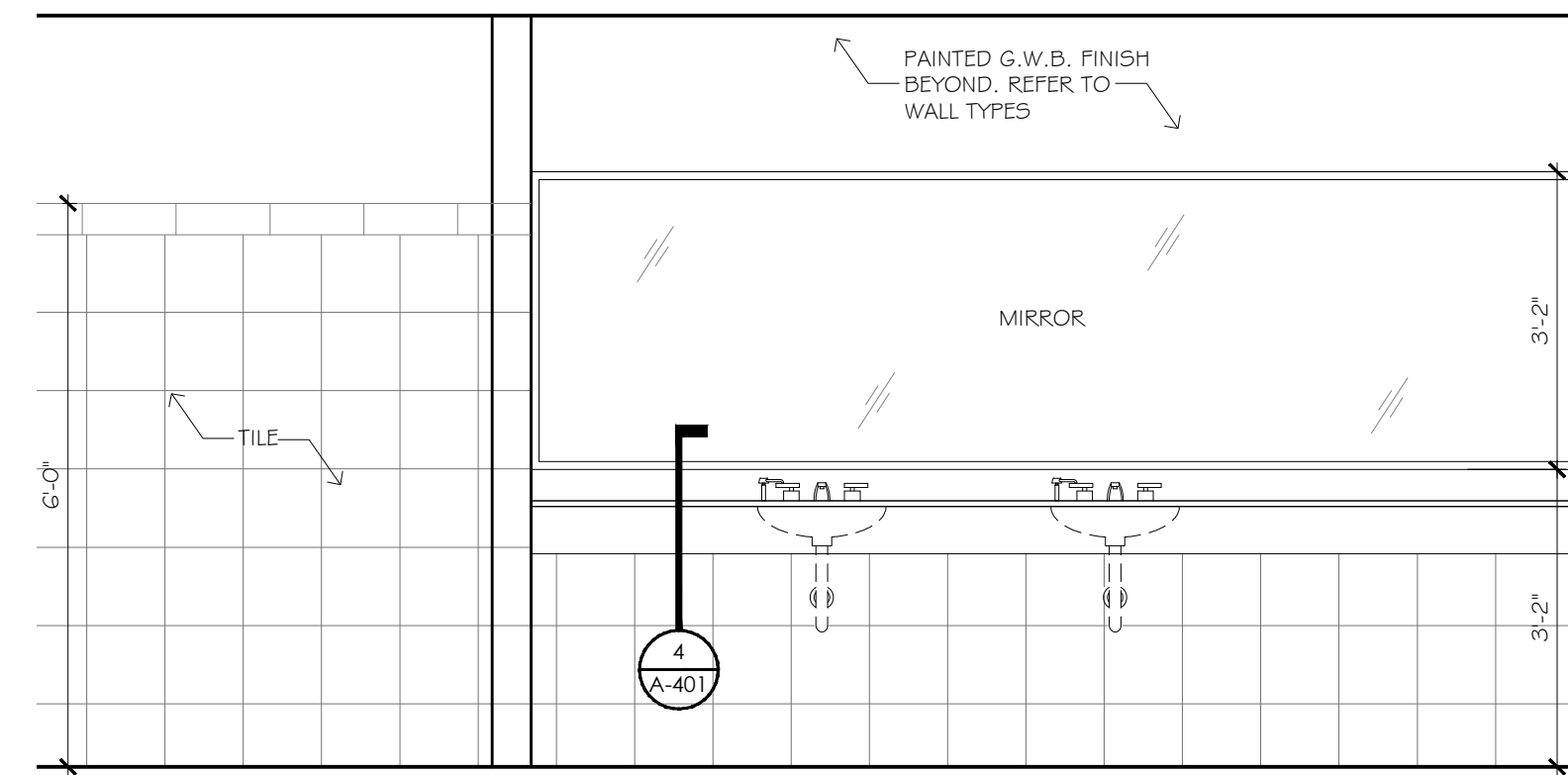
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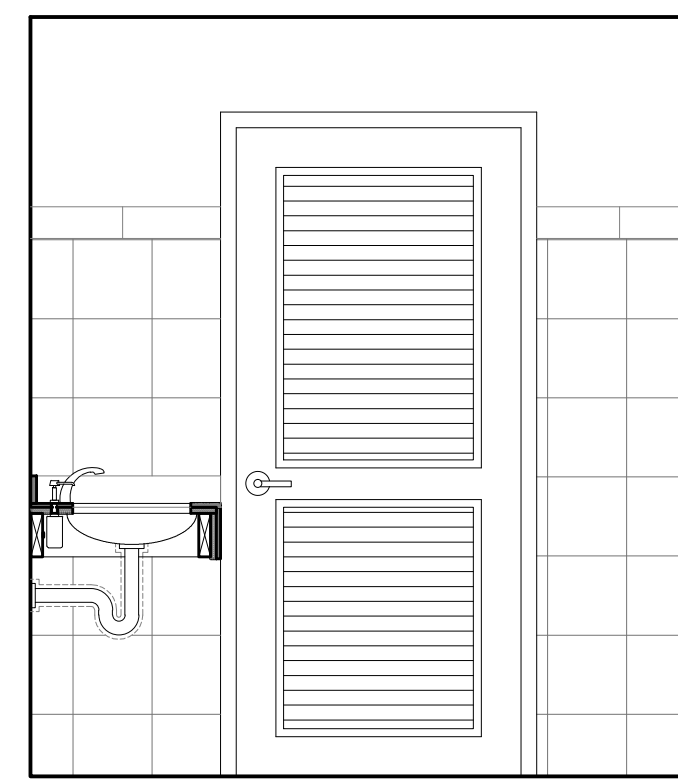
ELEVATION A



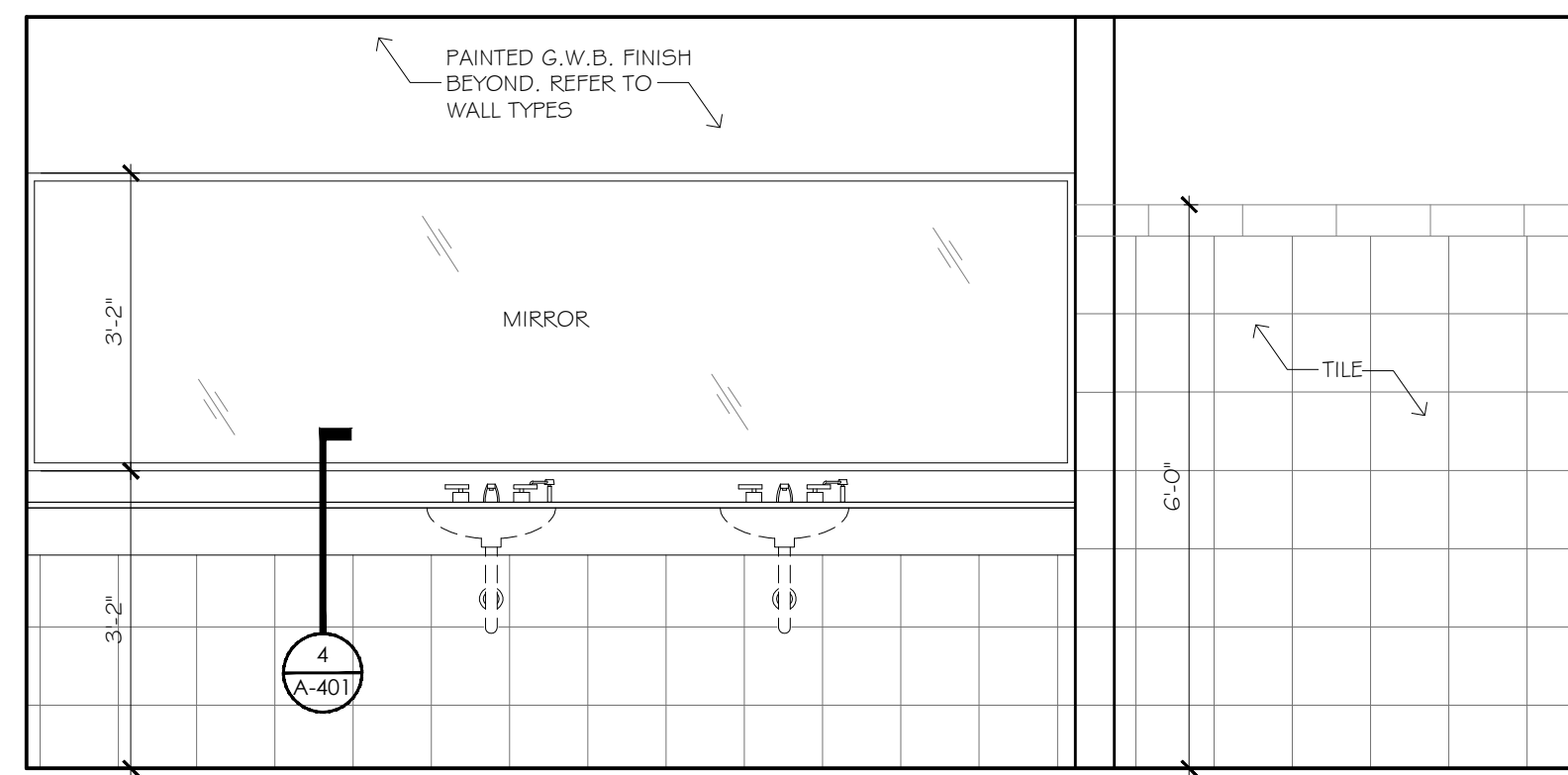
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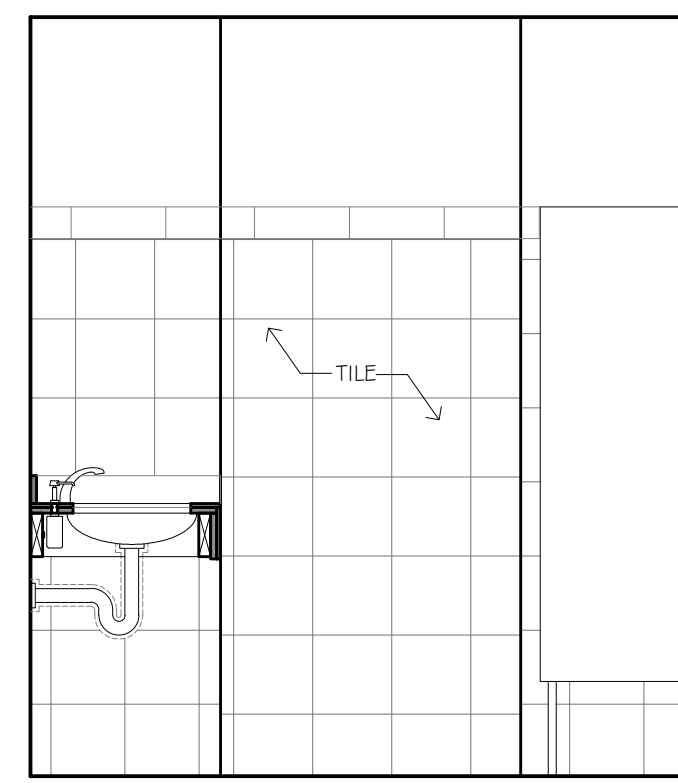
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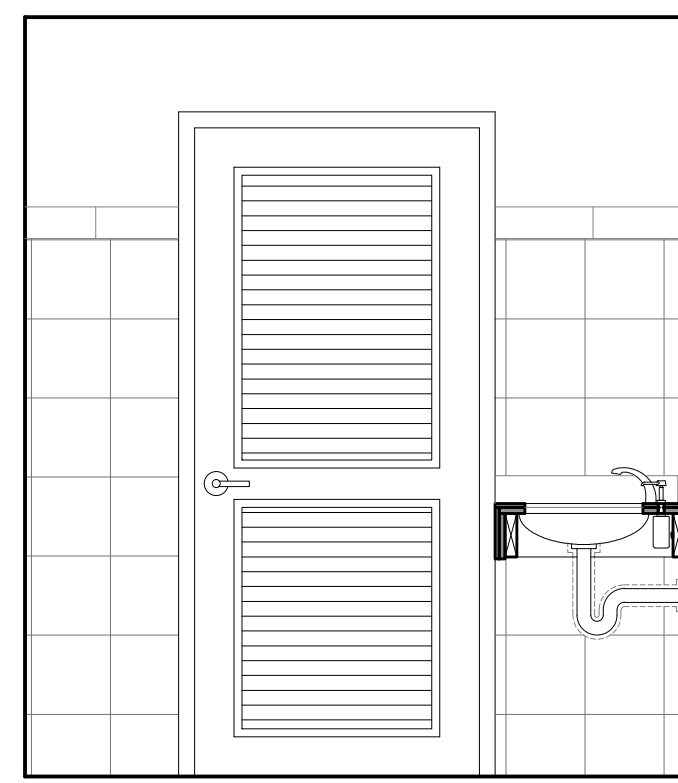
ELEVATION D



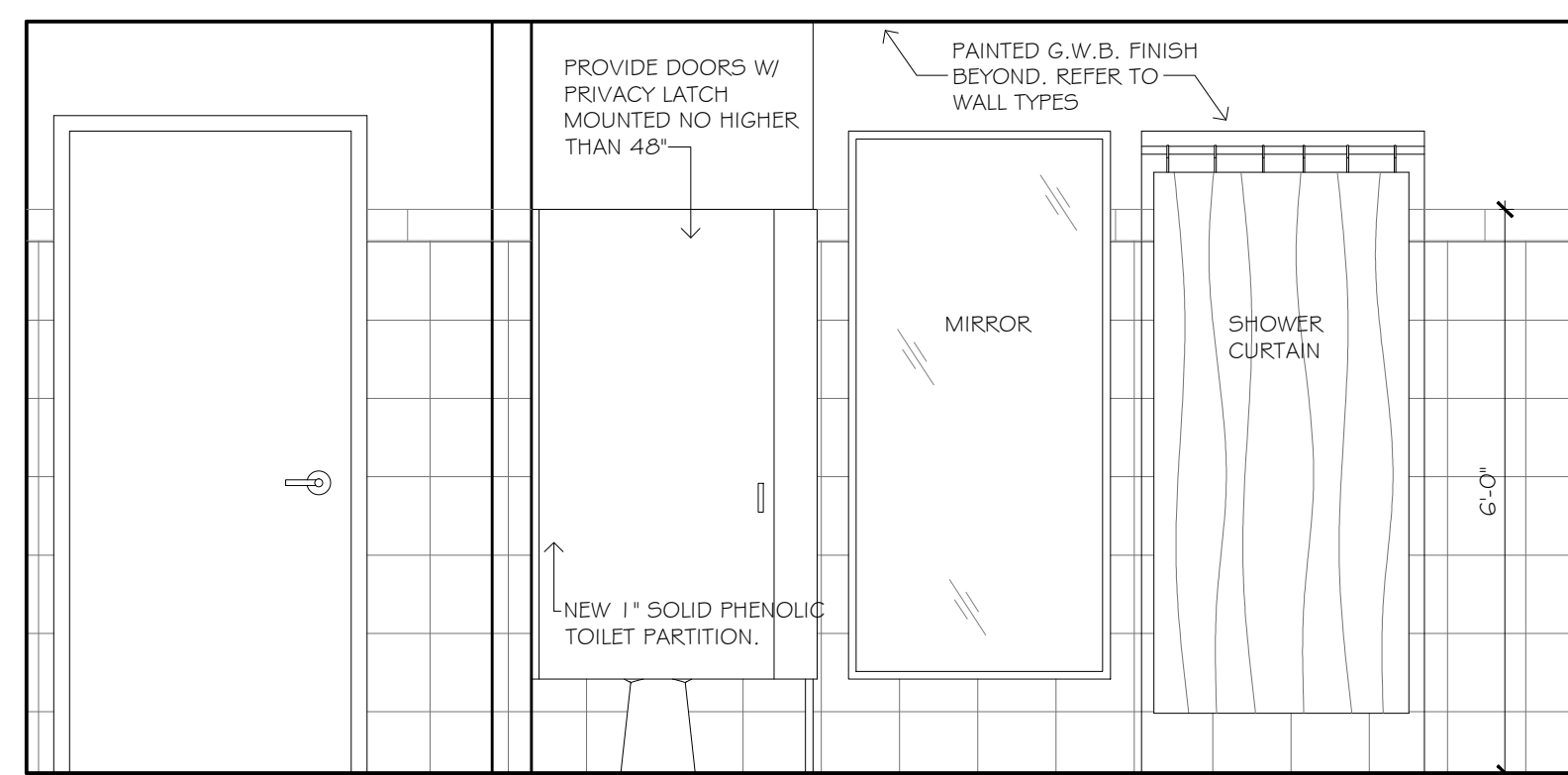
ELEVATION E



ELEVATION F



ELEVATION H



ELEVATION G

RESTROOM ELEVATIONS

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

5
A-401

ADA SINK DETAIL

SCALE: 1"=1'-0"

4
A-401

A.D.A. RESTROOM ELEVATIONS

SCALE: N.T.S.

1
A-401

ENLARGED RESTROOMS PLAN

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

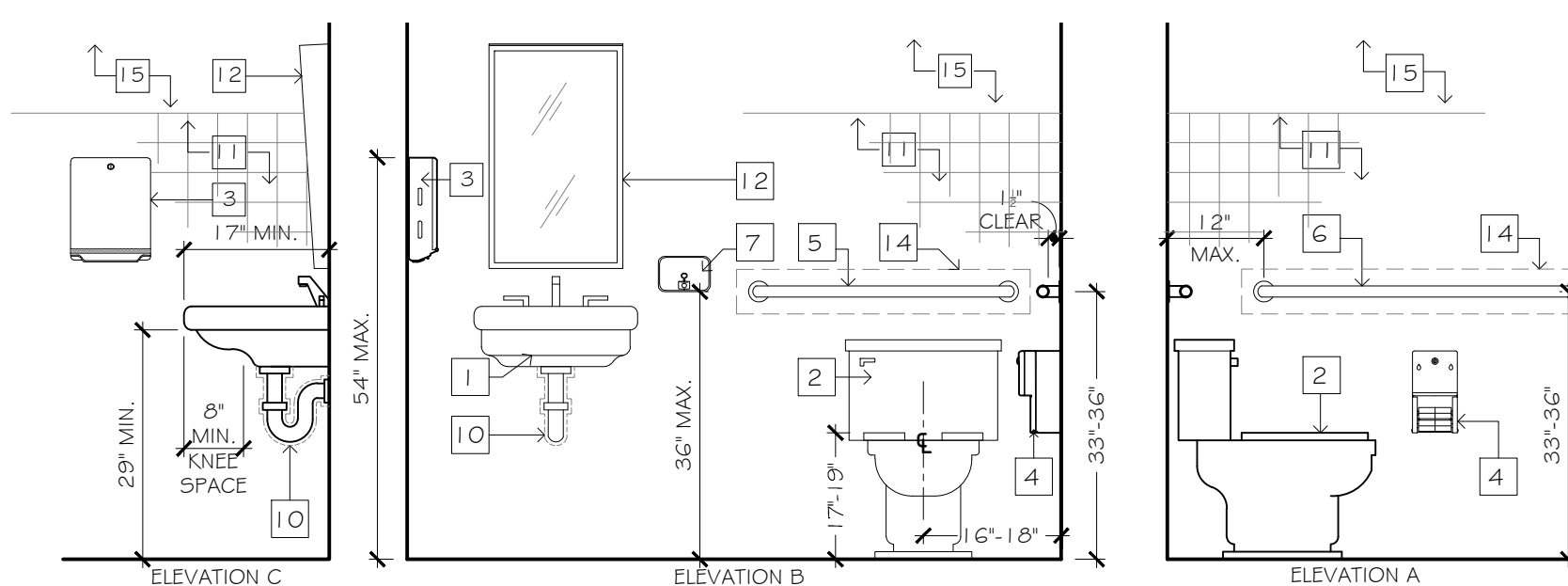
3
A-401

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> 1 NEW HANDICAPPED ACCESSIBLE LAVATORY. 2 NEW HANDICAPPED ACCESSIBLE FLOOR MOUNTED TOILET. 3 NEW PAPER TOWEL DISPENSER. 4 NEW WALL MOUNTED TOILET PAPER HOLDER (TYP.) 5 NEW 36" LONG GRAB BAR. 6 NEW 42" LONG GRAB BAR. 7 NEW SOAP DISPENSER. 8 5' DIA. HANDICAPPED TURNING CLEARANCE. 9 A.D.A. 30" x 48" REQUIRED CLEAR FLOOR SPACE (TYP.) 10 NEW INSUL. JACKETS FOR ALL PIPES UNDER THE SINK. 11 5'-0" CERAMIC TILE. 12 NEW SURFACE MOUNTED MIRROR. 13 A.D.A. 60" x 59" REQUIRED CLEAR FLOOR SPACE. 14 PROVIDE EXT. 2x4" WOOD BLOCKING AS INDICATE FOR SUPPORT OF GRAB RAIL. USE (3) 3/8" x 2" WOOD SCREWS @ EACH GRAB RAIL CONNECTION. 15 LATEX EGGSHELL PAINT FINISH, COLOR TO BE DETERMINED BY OWNER. | <ul style="list-style-type: none"> 16 NEW URINAL. 17 NEW COUNTERTOP LAVATORY. 18 NEW A.D.A. TRANSFER TYPE SHOWER. 19 NEW WATER CLOSET. 20 NEW TOILET PARTITION WITH 2'-6" DOOR. 21 NEW JANITOR MOP SINK. 22 NEW ADA WALL MOUNT SHOWER BENCH. 23 NEW SHOWER CURTAIN. 24 A.D.A. 48" x 60" MIN. REQUIRED CLEAR FLOOR SPACE. 25 NEW LOCKERS. 26 BATHROOM WALL MIRROR. 27 BATHROOM 2'-8" x 5'-10" HEIGHT WALL MIRROR. 28 NEW THRESHOLD. SEE DETAIL 4 SHEET A-501. | <p>MOUNT ALL FIXTURES PER F.B.C. 2010 PLUMBING STANDARD CLEARANCES & HEIGHT REQUIREMENTS.</p> <p>ALL ACCESSORIES SHALL COMPLY WITH THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT. THE MIN. AESTHETIC, FUNCTIONAL AND QUALITY STANDARDS ARE TO BE BASED ON THE PRODUCTS OF BOBRICK WASHROOM EQUIPMENT, INC. OF CLIFTON PARK, N.Y. (OR APPROVED EQUAL).</p> <p>PROVIDE 2X WOOD BACKING FOR ALL WALL MOUNT FIXTURES.</p> |
|---|---|---|

RESTROOM KEY NOTES

SCALE:

2
A-401



RESTROOM BLOW-UP PLAN

CONSTRUCTION DOCUMENTS

A-401

INTERIOR IMPROVEMENTS FOR:
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DOOR SCHEDULE														REMARKS						
MARK	ROOM	DOOR TYPE	DIMENSIONS			MATERIAL		TYPE	CORE	FINISH	FRAME	HARDWARE								
			WIDTH	HEIGHT	THICKNESS	WOOD	METAL	GLASS / METAL	BI-FOLD	FLUSH	SOLID CORE	HOLLOW CORE	PAINTED-OIL BASE SEMI-GLOSS ENAMEL							
I00	ENTRY (EXISTING)	D	3'-0"	7'-0"	1 3/4"															
I01	KIDS ROOM	C	3'-0"	7'-0"	1 3/4"															
I02	OFFICE	A	3'-0"	7'-0"	1 3/4"															
I02.A	WASHER / DRYER	B	3'-0"	7'-0"	1 3/4"															
I03	MULTIPURPOSE ROOM	C	3'-0"	7'-0"	1 3/4"															
I04	MEN'S RESTROOM	A	2'-8"	7'-0"	1 3/4"															
I04.A	MEN'S RESTROOM	E	3'-0"	7'-0"	1 3/4"															
I04.B	WOMEN'S RESTROOM	A	3'-0"	7'-0"	1 3/4"															
I04.C	WOMEN'S RESTROOM	E	3'-0"	7'-0"	1 3/4"															
I05	SPIN STUDIO	C	3'-0"	7'-0"	1 3/4"															
I06	JANITOR CLOSET	A	2'-8"	7'-0"	1 3/4"															
I07	STOR	B	3'-0"	7'-0"	1 3/4"															
I08	EXIT	A	3'-0"	7'-0"	1 3/4"															

GENERAL DOOR NOTES:
 1. ALL HARDWARE TO BE LEVER HANDLE "HAGER" (BRUSHED SATIN FINISH OR SIM. APPROVED BY TENANT), AND TO COMPLY WITH F.B.C. CH. 11.
 2. ALL HARDWARE TO BE HAGER CO. 3400 SERIES - GRADE 1 LEVER UNLESS OTHERWISE INDICATED.
 3. ALL DOOR HARDWARE TO HAVE LEVER HANDLES (SINGLE ACTION RELEASE W/OUT INTERIOR KEY LOCKS), MAXIMUM CLOSER FULL FORCE TO BE 5 LB. AND TO COMPLY WITH F.B.C. 2010 EDITION, CHAPTER 11-ACCESSIBILITY.
 4. ALL DOORS TO HAVE (3) SILENCERS & THOSE W/DOORS TO RECEIVE FLOOR/WALL STOPS.
 5. KEYING SCHEDULE. PROVIDE MASTER KEY FOR ALL DOORS (COORDINATE WITH TENANT) TENANT TO RECEIVE (2) COPIES OF EACH KEY.
 6. ALL EGRESS DOORS SHALL COMPLY WITH NFPA 101, 7.2.1.5.1, FBC (2010) SECTION 1008 & FBC 11-4.1.3(7), 11-4.1.3.9 AND 11-4.1.3.
 7. ALL EGRESS DOORS HARDWARE SHALL COMPLY WITH NFPA 101, 12.2.2.3.
 8. ALL RATED DOORS SHALL HAVE MATCHING RATED ASSEMBLIES AND HARDWARE.
 9. DOORS IN MEANS OF EGRESS LOCKS SHALL NOT REQUIRE THE USE OF A KEY, A TOOL, OR SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION FROM THE EGRESS SIDE.
 10. ALL EGRESS DOORS SHALL MEET FPFC 101 SECTION 39.2 MEANS OF EGRESS REQUIREMENTS FOR EXISTING BUSINESS OCCUPANCIES.
 11. ENTRY DOOR MUST HAVE A SIGN. * THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS*.
 12. PROVIDE PANIC HARDWARE IN ALL EGRESS DOORS.

DOOR SCHEDULE

SCALE:

8
A-501

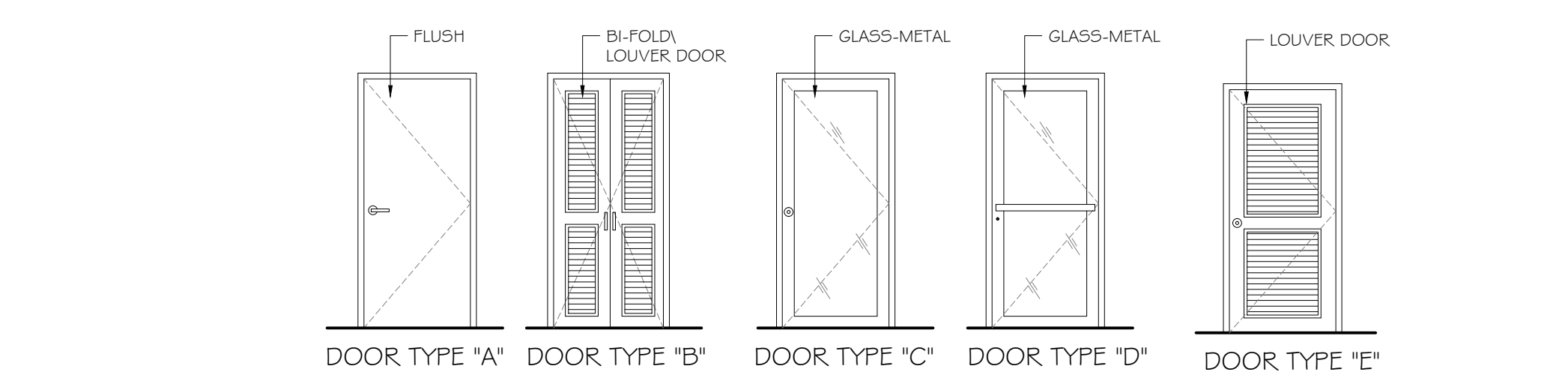
FINISH SCHEDULE										REMARKS
MARK	ROOM	FLOOR	BASE	WALL	CEILING	ROOM FINISH NOTES:				
		VCT	TILE	CARPET	WOOD	TILE	VCT	TILE	PAINT - PT	2x4 CEILING TILE G.W.B. CLG. SYSTEM.
I00	RECEPTION									
I01	KIDS ROOM									
I02	OFFICE									
I03	MULTIPURPOSE ROOM									
I04	MEN'S RESTROOM									
I04.1	WOMEN'S RESTROOM									
I05	SPIN STUDIO									
I06	HALLWAY									
I07	JANITOR CLOSET									

GENERAL FINISH NOTES:
 1. ALL FINISHES SPECIFICATIONS TO BE COORDINATED WITH OWNER.
 2. INTERIOR FLOOR FINISH SHALL COMPLY WITH SECTION 10.2 OF NFPA 101 (2010 ED.) AND IN EXIT ENCLOSURES SHALL BE CLASS I OR CLASS II PER SECTION 30.3.3.3.2.
 3. INTERIOR WALLS AND CEILING FINISHES MATERIAL COMPLYING W/SECTION 10.2 OF NFPA 101 (2010 ED.) SHALL BE CLASS A OR CLASS B IN EXITS AND IN EXIT ACCESS CORRIDORS OR CLASS C IN ALL OTHER AREAS.
 4. INTERIOR WALL AND CEILING FINISHES COMPLYING WITH NFPA 101 CHAPTER 10.2.3 SHALL BE CLASS A OR CLASS B IN EXITS AND IN ENCLOSED CORRIDORS FURNISHING ACCESS TO EXITS; AND CLASS A, CLASS B, CLASS C IN OFFICE AREAS.
 5. INTERIOR FLOOR FINISH COMPLYING WITH NFPA 101 CHAPTER 10.2.7 SHALL BE CLASS I OR CLASS II IN CORRIDORS AND EXITS.
 6. UNLESS OTHERWISE NOTED, ALL FLOOR MATERIAL CHANGES SHALL OCCUR AT THE CENTERLINE OF A DOOR. PROVIDE TRANSITION STRIP WHERE REQUIRED TO COMPLY WITH ADA GUIDELINES.
 7. FINISH FLOORING EXTENDS INTO RECESSES AND TOE SPACES OF CASEWORK.
 ALL FINISHES SHALL BE CLASS B (MIN.), AT ALL HALLWAYS AND CLASS C (MIN.) AT ALL OTHER SPACES IN ACCORDANCE TO F.B.C. TABLE 603.5 FOR TYPE "B" OCCUPANCIES.

FINISH SCHEDULE

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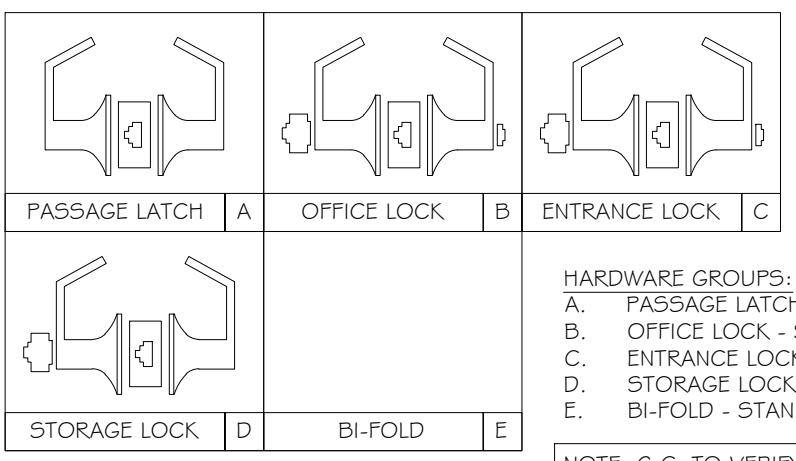
7
A-501



DOORS TYPE

SCALE: N.T.S.

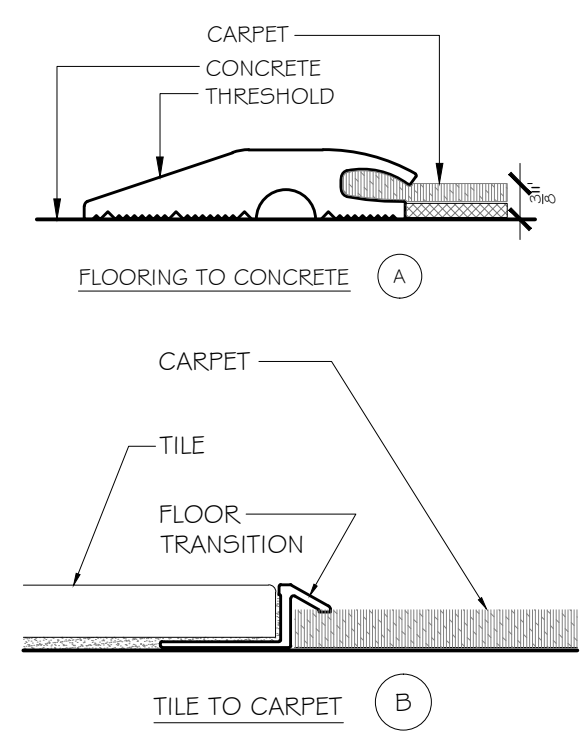
6
A-501



DOOR HARDWARE GROUPS

SCALE:

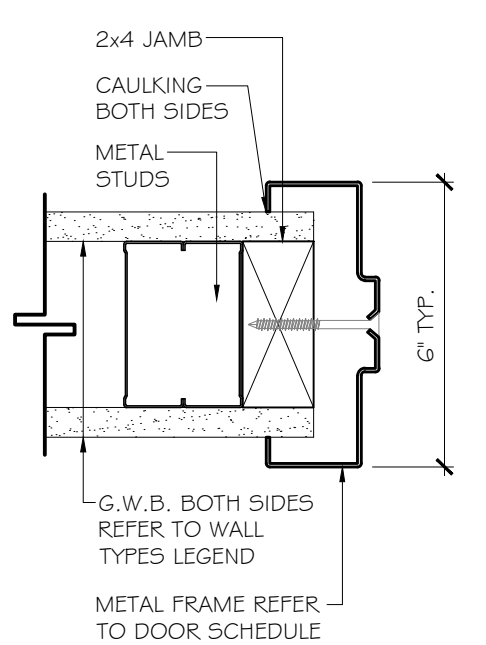
5
A-501



THRESHOLD DETAILS

SCALE: 6"=1'-0"

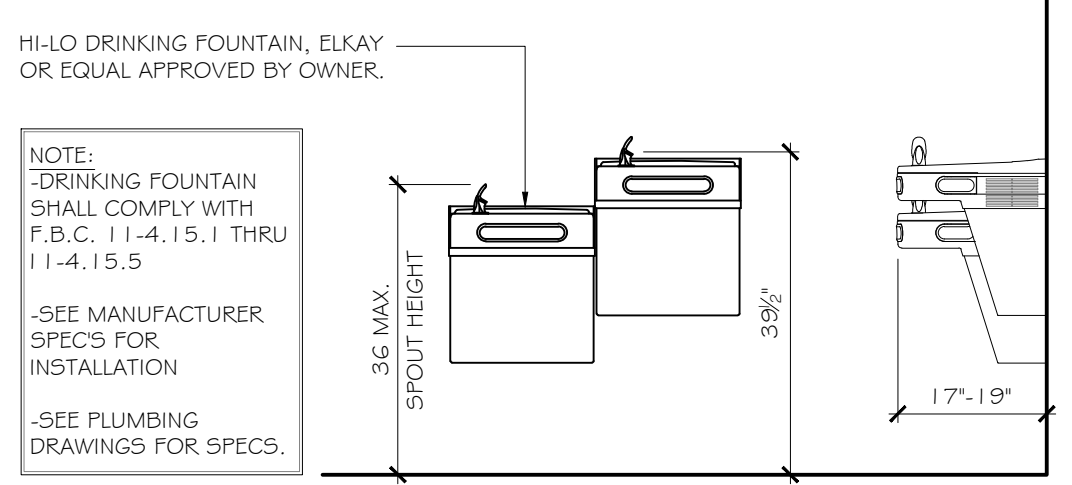
4
A-501



DOOR JAMB/HEAD DETAIL

SCALE: 3"=1'-0"

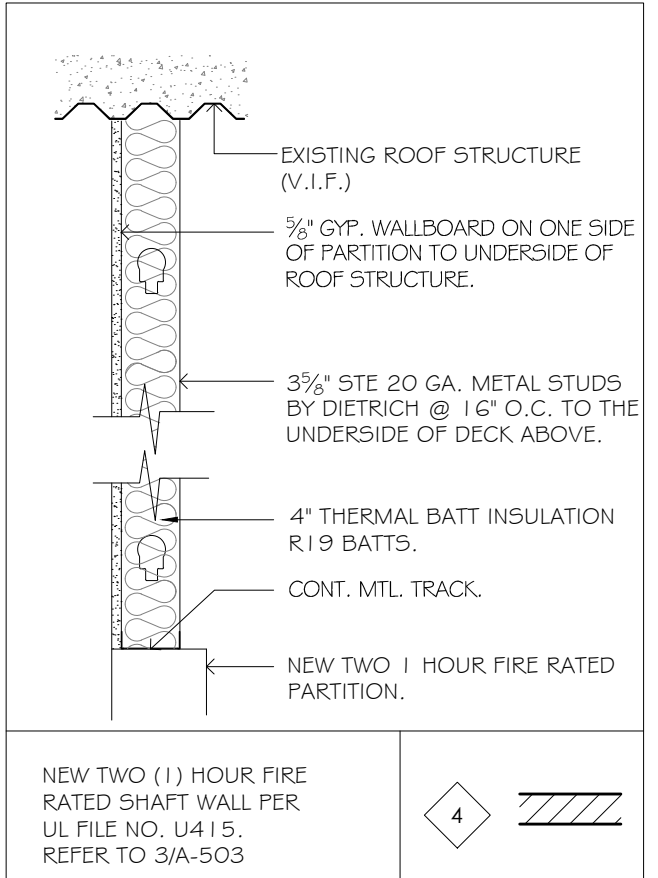
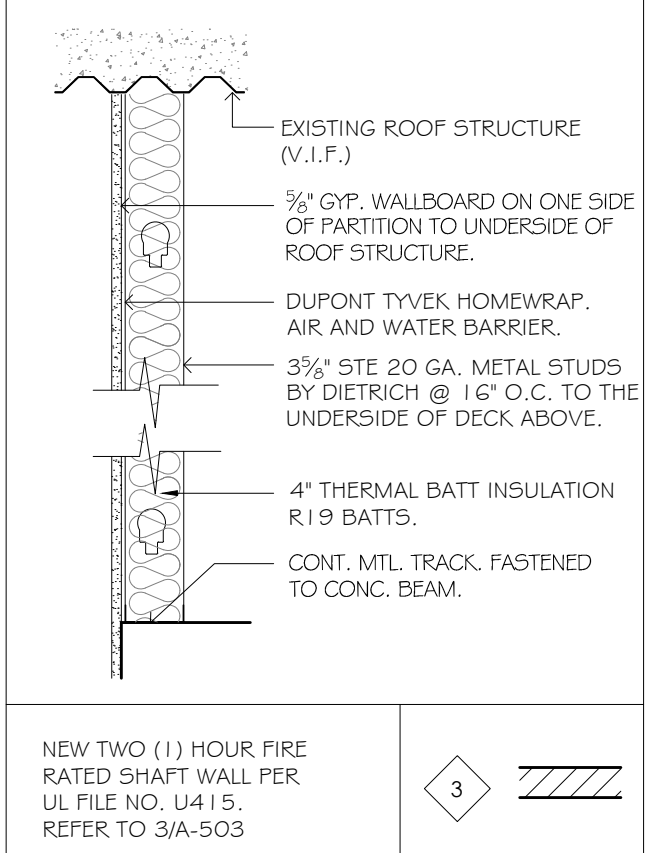
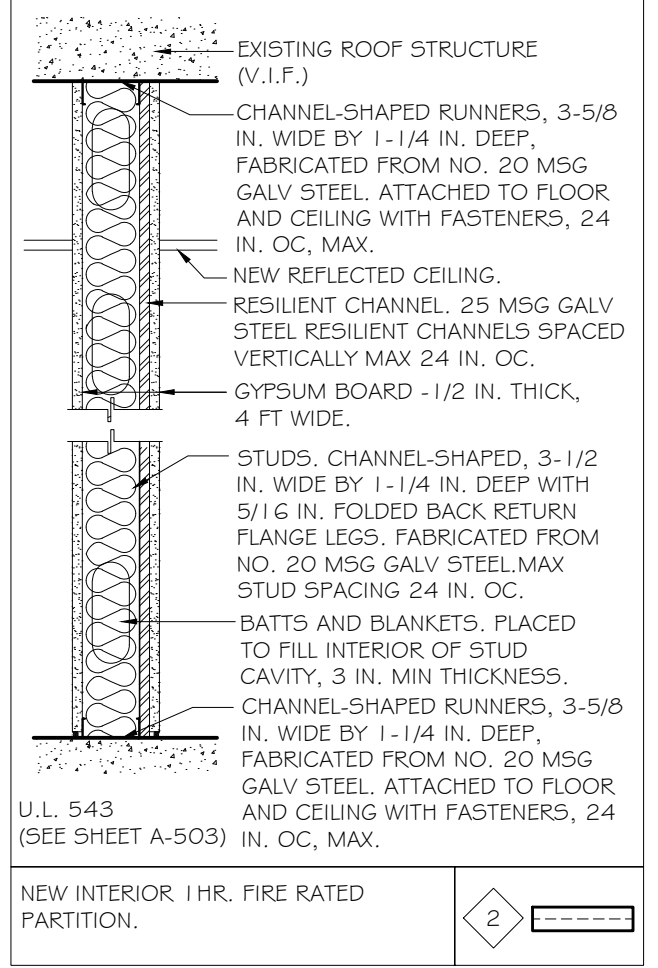
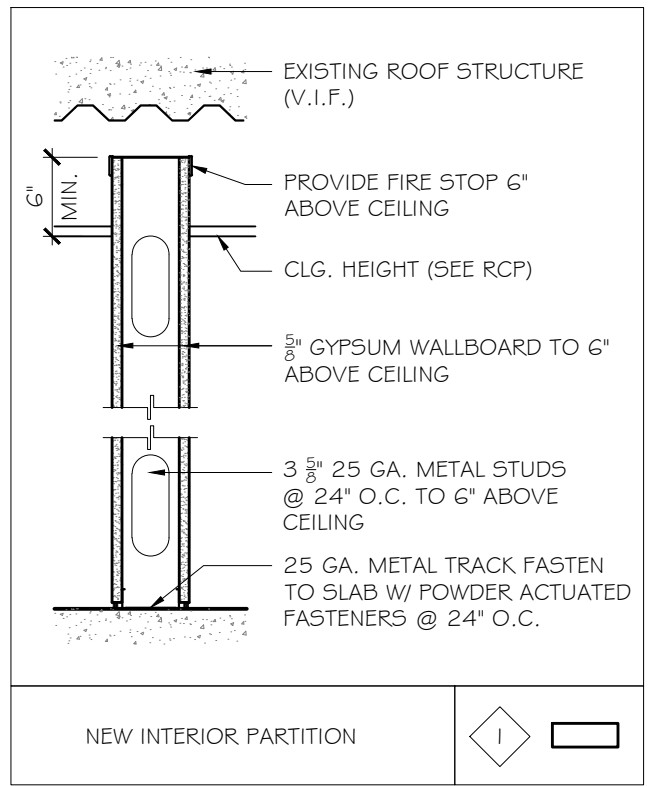
3
A-501



DRINKING FOUNTAIN DETAIL

SCALE: 1"=1'-0"

2
A-501



- CORRIDOR PARTITIONS, SMOKESTOP PARTITIONS, HORIZONTAL EXIT PARTITIONS, EXIT ENCLOSURES AND FIRE RATED WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING STATING: "FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS." SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING AND IN CONCEALED OPENINGS.
- ALL METAL STUD FRAMING SHALL FOLLOW THE LATERAL LOAD REQUIREMENTS AS PER MANUFACTURER'S STANDARDS FOR LIMITING HEIGHTS.
- PROVIDE HORIZONTAL BRACING AT DOORS AND CORNERS 48" O.C. AS REQUIRED.
- PROVIDE 2X WOOD BACKING AT ALL CABINET LOCATIONS.

WALL TYPES

SCALE: N.T.S.

1
A-501

INTERIOR IMPROVEMENTS FOR: CYCLE WARD

6131 N FEDERAL HWY. FORT LAUDERDALE, FL. 33308.
 barranco gonzalez architecture planning interior design
 phone: (954)961-7075 fax: (954)961-7085 mail@barrancogonzalez.com
 1915 southeast 4th avenue Fort Lauderdale, FL 33316

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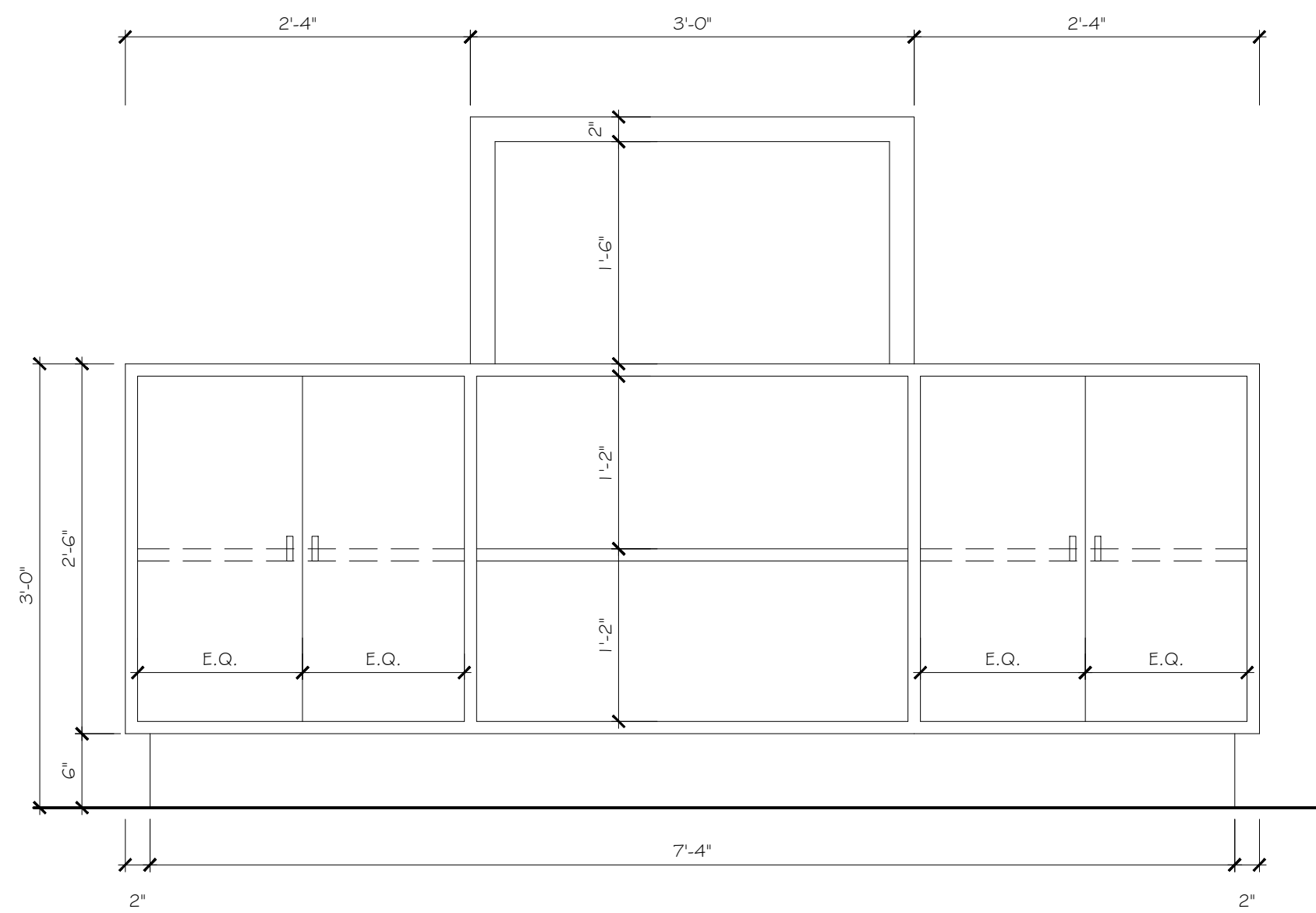
DESIGNED	DRAWN	CHECKED
JPB	DHT	JPB
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REVISIONS

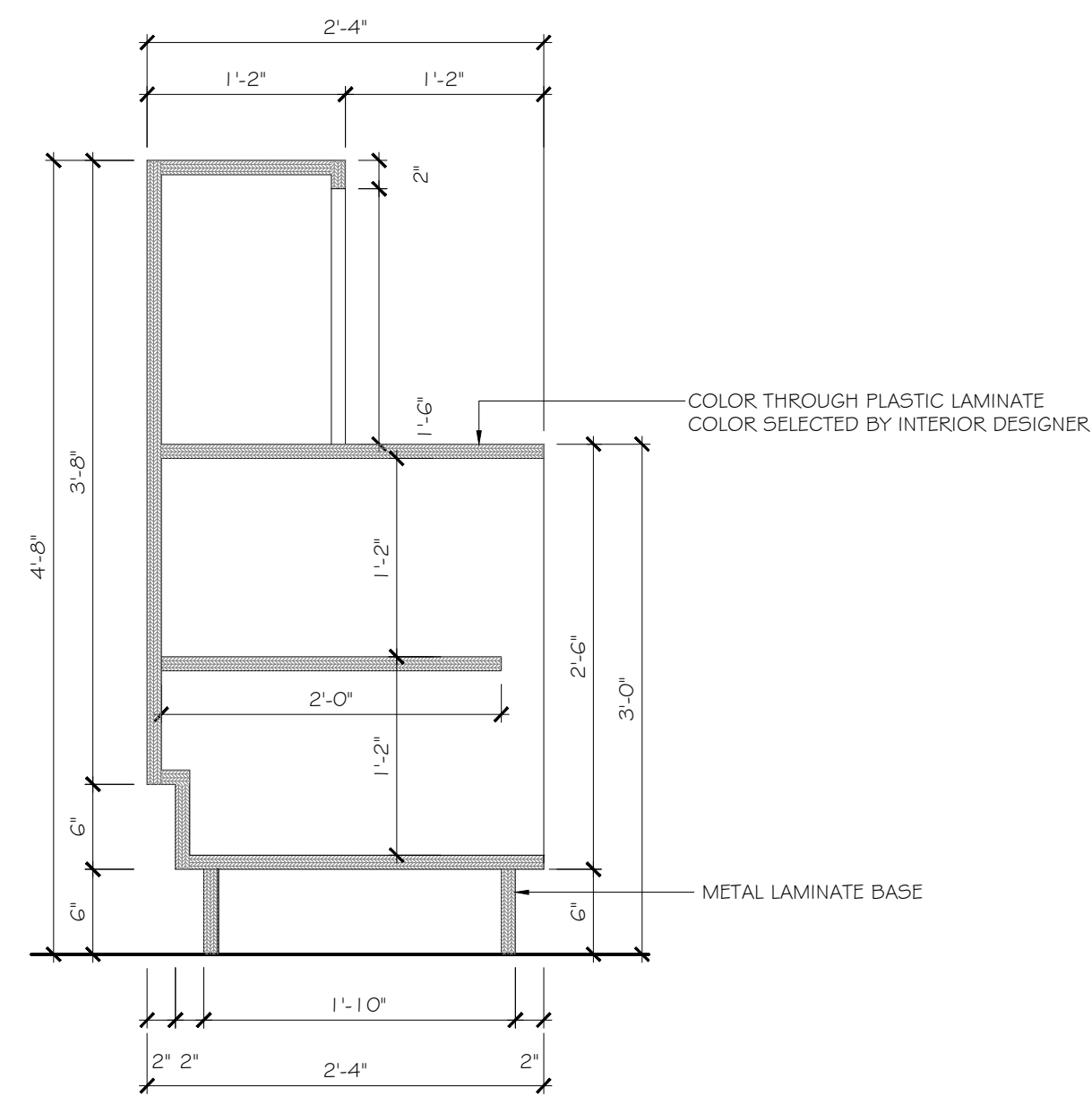
SCHEDULE AND WALL DETAILS

CONSTRUCTION DOCUMENTS

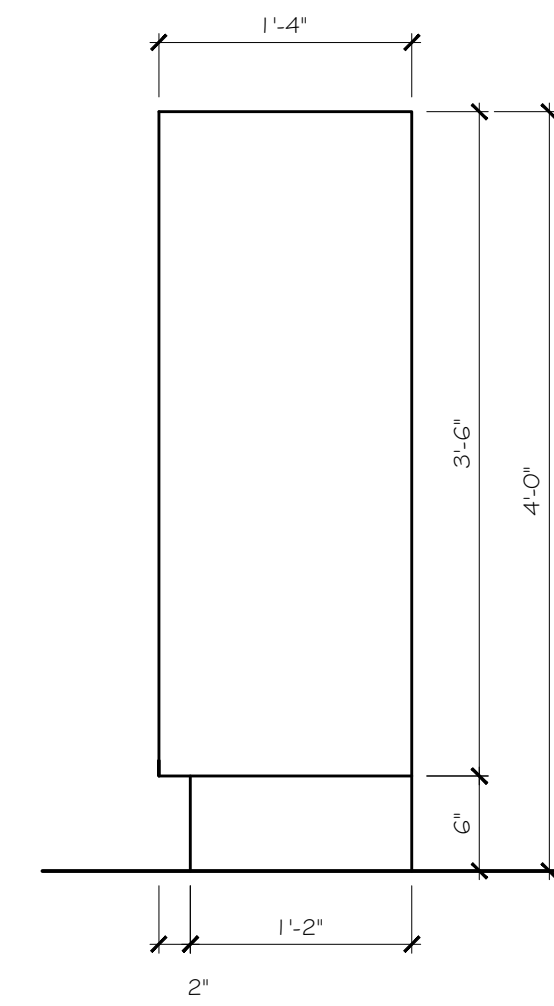
A-501



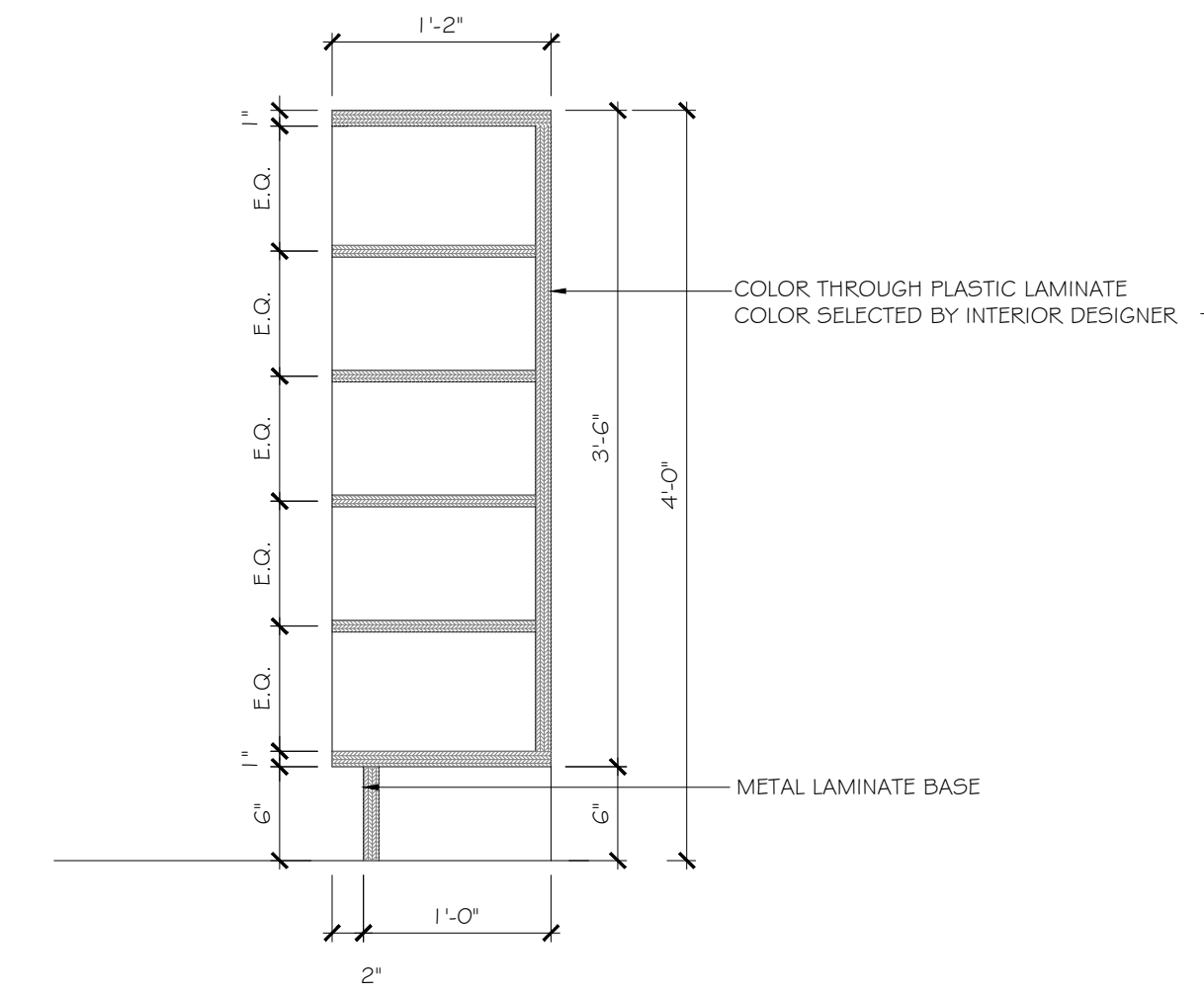
REAR ELEVATION



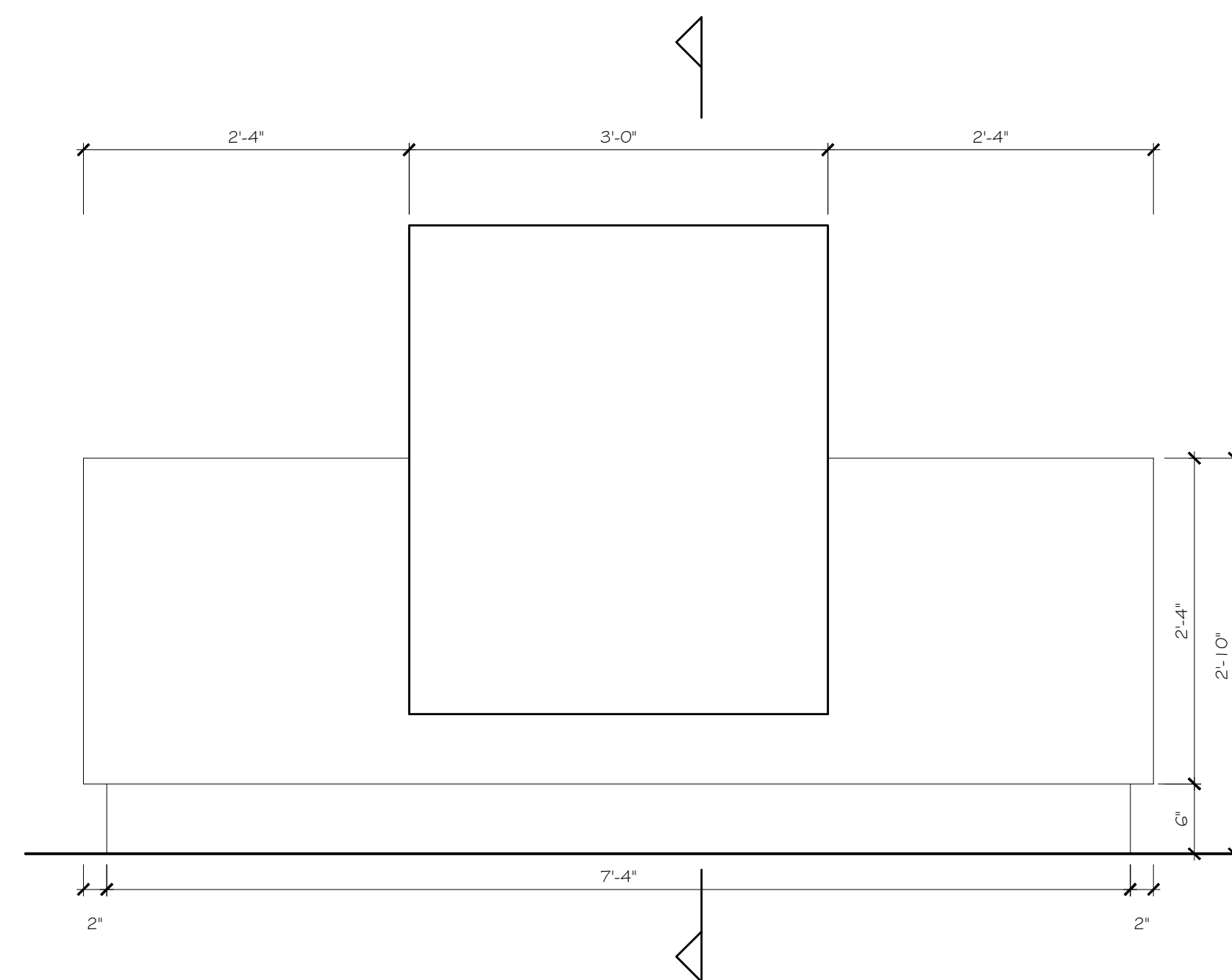
SECTION



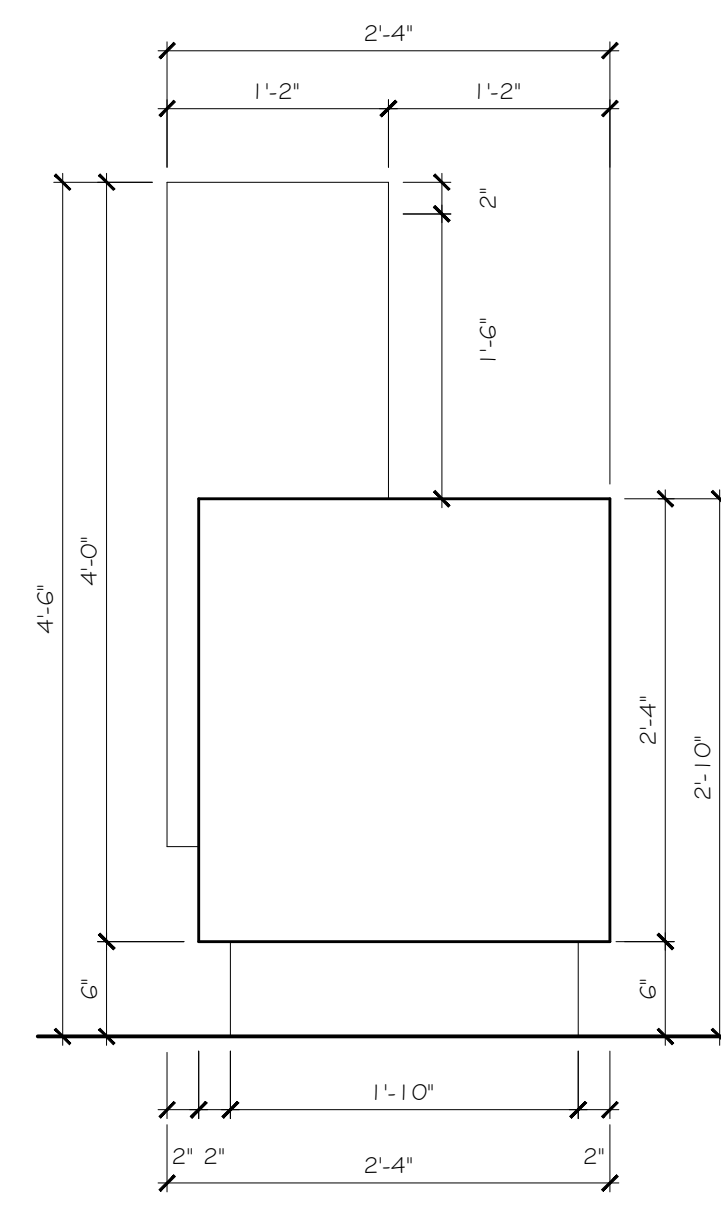
SIDE ELEVATION



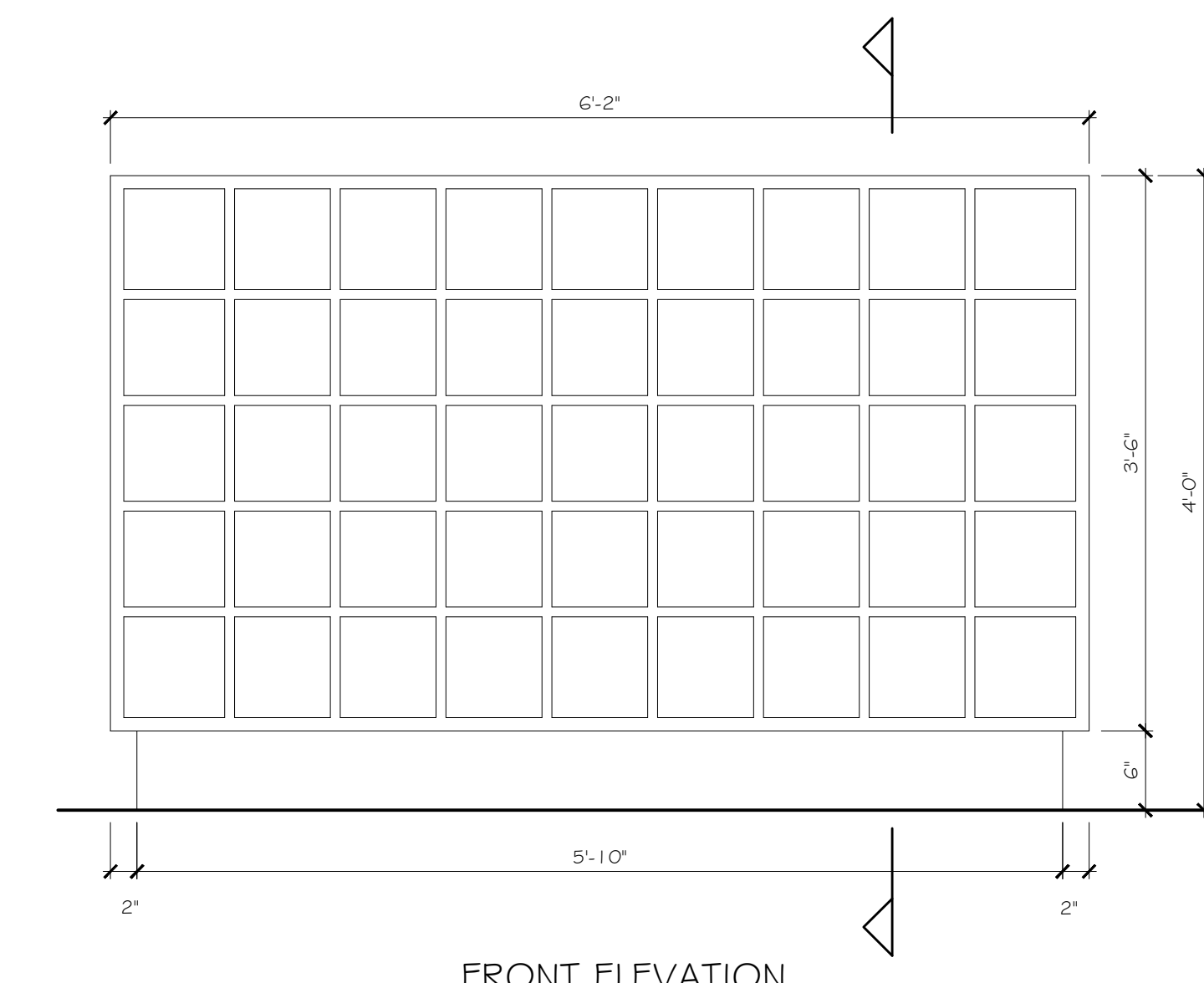
SECTION



FRONT ELEVATION



SIDE ELEVATION



FRONT ELEVATION

RECEPTION DESK DETAIL

SCALE: 1"=1'-0"

2
A-502

SHOE CUBBIES DETAIL

SCALE: 1"=1'-0"

1
A-502

INTERIOR IMPROVEMENTS FOR:
CYCLE WARD

6131 N FEDERAL HWY, FORT LAUDERDALE, FL, 33308.

barranco gonzalez • architecture • planning • interior design

1915 southeast 4th avenue Fort Lauderdale, FL 33316 phone: (954)961-7685 fax: (954)961-7685 mail: info@barrancogonzalez.com bh # 260010301

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DESIGNED	DRAWN	CHECKED
JPB	DHT	JPB
DATE:	COMM:	
07/02/14	131204	

REVISIONS

DETAILS

CONSTRUCTION DOCUMENTS

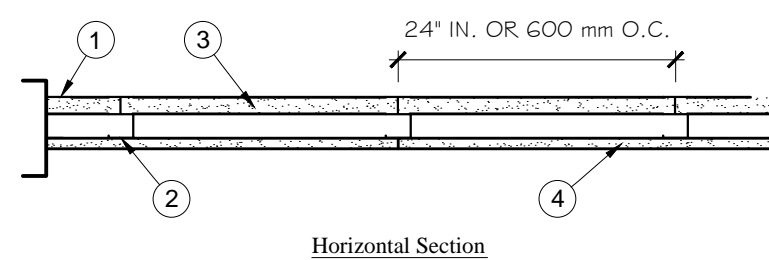
A-502

Design No. U415

January 27, 2014

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

System A - 1 Hr.



1. **Floor, Side and Ceiling Runners** — "J" - shaped runner, min 3-5/8 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. **Steel Studs** — "C-H" - shaped studs, min. 3-5/8 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B or 7 are used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC.

2A. **Steel Studs** — (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. **Furring Channels** — (Optional, not shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).

2C. **Furring Channels** — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. **Steel Framing Members*** — (Optional, not shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC, and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-1 (2.75).

2E. **Steel Framing Members** — (Optional, Not Shown)* - Furring channels and resilient sound isolation clip as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 3. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. **Steel Framing Members*** — Resilient sound isolation clip used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC, and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

3. **Gypsum Board*** — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be banded to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

CGC INC — Type SLX
UNITED STATES GYPSUM CO — Type SLX
USG MEXICO S A DE C V — Type SLX

4. **Gypsum Board*** —

System A — 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, U LX, WRC, WRX
UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, U LX, WRC, WRX, USGX
USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, U LX, WRC, WRX

4A. **Gypsum Board*** — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9) or Lead Discs or Tabs (see Item 10).

RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. **Gypsum Board*** — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

4C. **Gypsum Board*** — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip.

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. **Gypsum Board*** — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

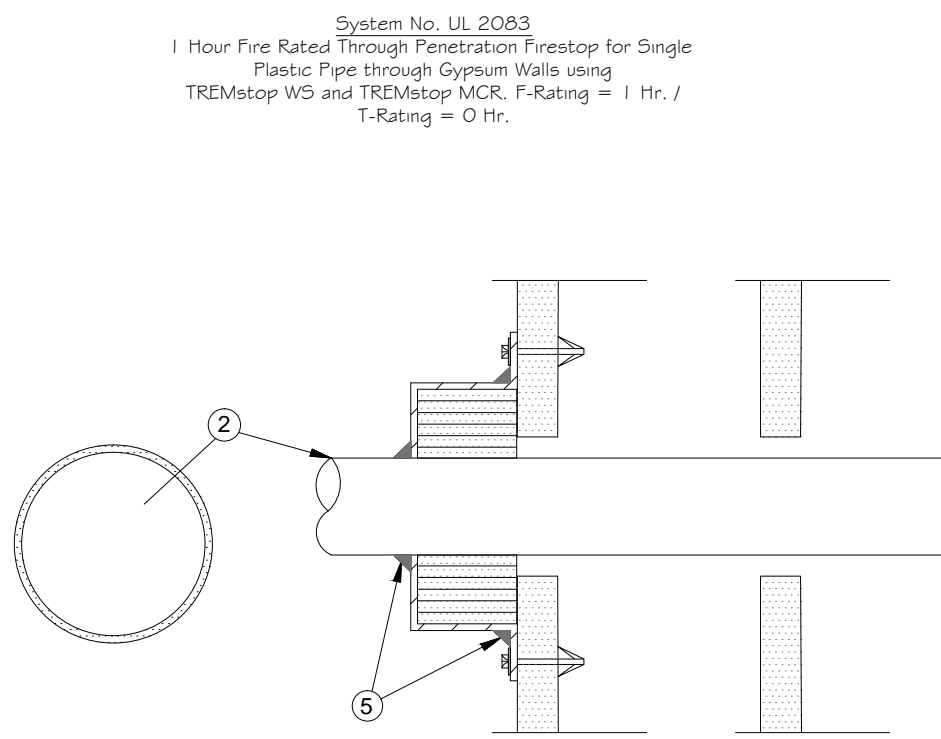
5. **Joint Tape and Compound** — (Not Shown)

Systems A, B, C, E, F, G, H, I

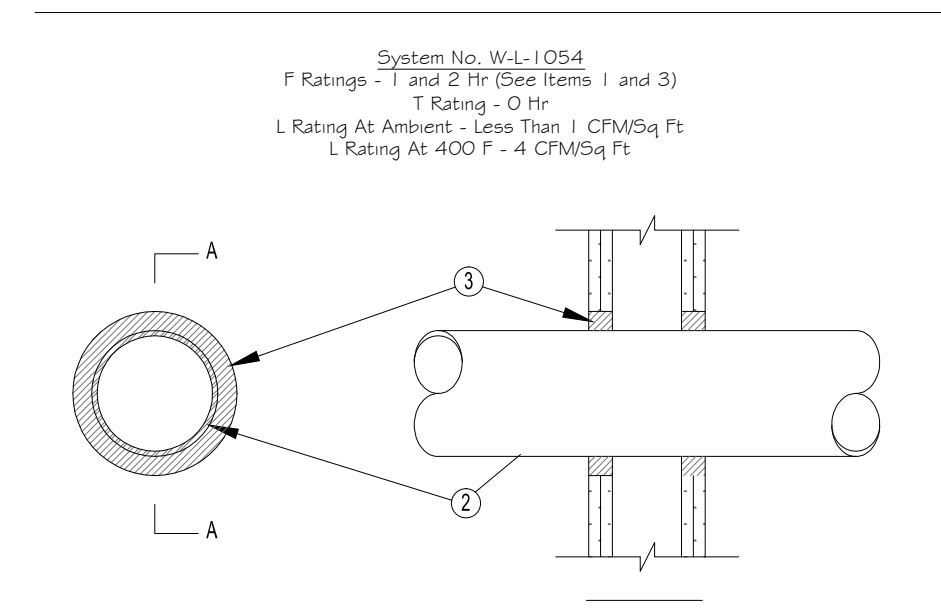
Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.

*Bearing the UL Classification Mark.

1-HR SHAFT WALL DETAIL (U415) 3
 SCALE: N.T.S. A-503



1. Pre-Fabricated Gypsum Wallboard/Stud Wall Assembly
 2. Plastic Pipe - Nom. 4" diam. (or smaller) Sch. 40 PVC pipe for use in open or closed piping systems. See table below for annular space requirements.
 3. TREMstop WS - Intumescent wrap strips, continuously wrapped around the outer circumference of the pipe on both sides of wall assembly.
- | Nom. Pipe Diameter (in.) | Max. Annular Space (in.) |
|--------------------------|--------------------------|
| 1-1/2 | 1/16 |
| 2 | 3/16 |
| 3 | 1/8 |
| 4 | 1/8 |
| 4 | 3/8 |
4. TREMstop MCR - Prefabricated steel collar wrapped over the wrap strips (Item 3) and mechanically fastened to both sides of the wall assembly.
 5. FRF-Sil - Min. 1/4" thickness of sealant applied at the interface of the wall and collar, and the interface of the collar and pipe. Sealant applied on both sides of wall.



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual US300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.

B. **Gypsum Board*** — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual US300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The F Rating of the firestop system is equal to the fire rating of the wall assembly.

2. **Through-Penetrants** — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

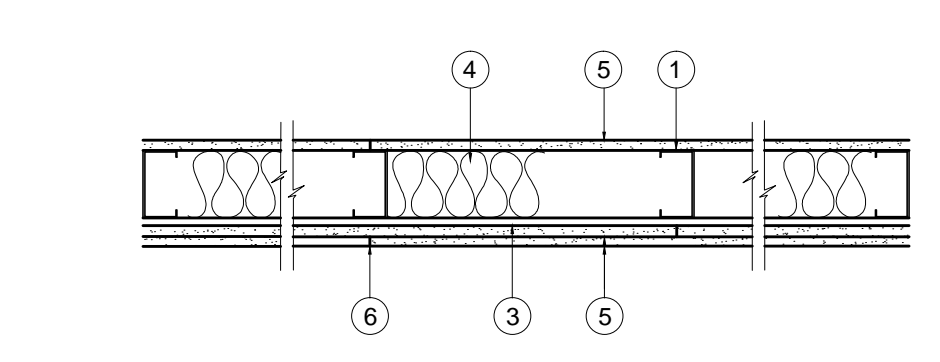
- A. **Steel Pipe** — Nom 3/4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. **Iron Pipe** — Nom 3/4 in. diam (or smaller) cast or ductile iron pipe.
- C. **Conduit** — Nom 4 in. diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
- D. **Copper Tubing** — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
- E. **Copper Pipe** — Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. **Fill Void or Cavity Material*** — Sealant — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-One Sealant
 *Bearing the UL Classification Mark.

FIRE RATED PIPE PENETRATIONS 2
 SCALE: N.T.S. A-503

Design No. U453
 May 14, 2014

Nonbearing Wall Rating — 2 HR.



1. **Studs** — Channel-shaped, 3-1/2 in. wide by 1-1/4 in. deep with 5/16 in. folded back return flange legs. Fabricated from No. 20 MSG galv steel. Max stud spacing 24 in. OC. Studs to be cut 1 in. less than assembly height.

1A. **Framing Members* - Steel Studs - Not shown** — As an alternate to Item 1 and for use with Item 2A - proprietary channel shaped, 3-1/2x5 in. deep with 1-1/4 in. deep. Fabricated from No. 20 MSG galv steel. Max stud spacing 24 in. OC. Studs to be cut 1 in. less than assembly height.

KIRII (HONG KONG) LTD — Type KIRII

2. **Floor and Ceiling Runners (Not Shown)** — Channel-shaped runners, 3-5/8 in. wide by 1-1/4 in. deep, fabricated from No. 20 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.

2A. **Floor and Ceiling Runners (Not Shown)** — In lieu of Item 2 - For use with Item 1A - proprietary channel shaped runners, 3-5/8 in. wide by 1-1/4 in. deep, fabricated from No. 20 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.

KIRII (HONG KONG) LTD — Type KIRII

3. **Resilient Channel** — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long Type S-12 pan head steel screws.

3A. **Steel Framing Members (Not Shown)*** — As an alternate to Item 3, furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.

b. **Steel Framing Members*** — Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC, and secured to studs with 1-5/8 in. wafer or hex head Type 2 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-1 (2.75).

3B. **Steel Framing Members** — (Optional, Not Shown)* - Furring channels and resilient sound isolation clip as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 5. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. **Steel Framing Members*** — Resilient sound isolation clip used to attach furring channels (Item 3Ba) to studs. Clips spaced 24 in. OC, and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

4. **Batts and Blankets** — Placed to fill interior of stud cavity, 3 in. min thickness.

THERMAFIBER INC — Type SAFB

5. **Gypsum Board** — 1/2 in. thick, 4 ft wide. Attached to resilient or furring channels, base layer with 1 in. Type S steel screws spaced 24 in. OC, face layer with 1-5/8 in. Type S screws spaced 12 in. OC. Wallboard on direct attached side attached with 1 in. Type S-12 steel screws spaced 12 in. OC. Wallboard joints oriented vertically, located over studs and offset between layers.

ACADIA DRYWALL SUPPLIES LTD — Type G
AMERICAN GYPSUM CO — Types AG-C
CERTAINTED GYPSUM INC — Type C
CGC INC — Types C, IP-X2, IPC-AR, WRC
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A
GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C
NATIONAL GYPSUM CO — Types FSK-C, FSW-C, FSMR-C
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C
PANEL REY S A — Type PRC
THAI GYPSUM PRODUCTS PCL — Type C
UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, WRC
USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

6. **Joint Tape and Compound** — Vinyl, dry or pre-mixed joint compound, applied to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

7. **CaULKing and Sealants*** — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS.

8. **Wall and Partition Facings and Accessories*** — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-510.

INTERIOR IMPROVEMENTS FOR: CYCLE WARD

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R E V I S I O N S	

UL LISTING

CONSTRUCTION DOCUMENTS

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1-HR FIRE RATED (U453) 1
 SCALE: N.T.S. A-503