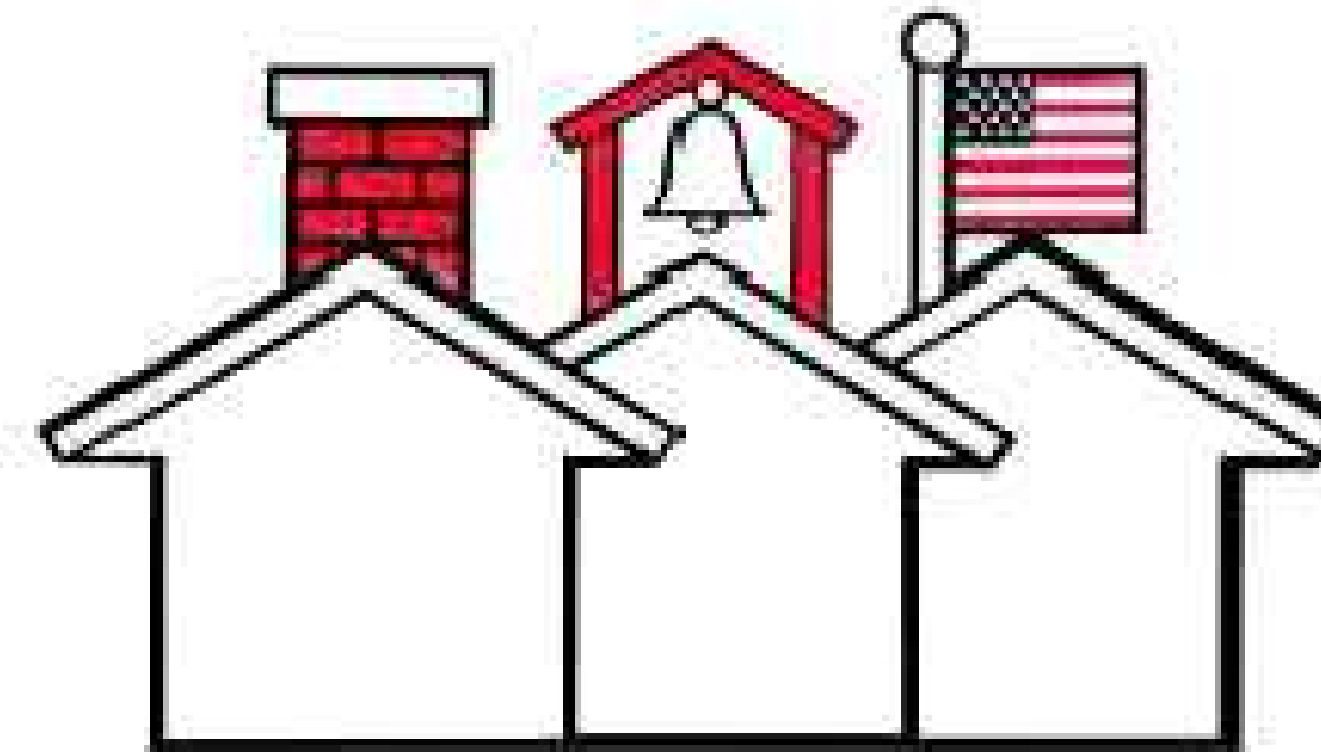

SCHOOL DISTRICT OF INDIAN RIVER COUNTY

SEBASTIAN ELEMENTARY SCHOOL

SINGLE POINT OF ENTRY RENOVATION

400 SEBASTIAN BLVD., SEBASTIAN, FL 32958



School District of
Indian River County

S + A Project No. 18032

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SCHOOL DISTRICT OF INDIAN RIVER COUNTY

BOARD MEMBERS

SHAWN FROST
DISTRICT 1

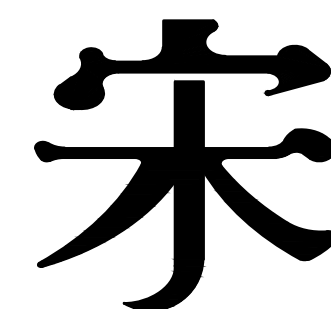
DALE SIMCHICK
DISTRICT 2

LAURA ZORC
DISTRICT 3

CHARLES SEARCY
DISTRICT 4

TIFFANY JUSTICE
DISTRICT 5

DR. MARK J. RENDELL
SUPERINTENDENT



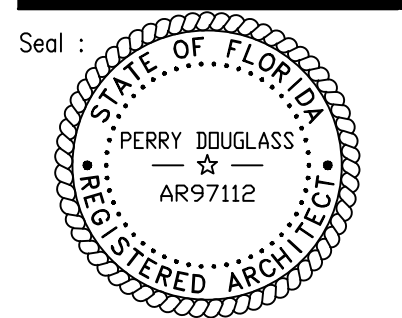
Song + Associates

Architecture • Planning • Interior Design

CONSTRUCTION DOCUMENTS

SEPTEMBER 19, 2018

TO THE BEST OF MY KNOWLEDGE,
THESE DRAWINGS AND THE PROJECT
MANUAL ARE COMPLETE AND
COMPLY WITH THE FLORIDA
BUILDING CODE, THE FLORIDA FIRE
PREVENTION CODE, AND OTHER
APPLICABLE CODES AND
REGULATIONS, AS DETERMINED BY
THE LOCAL AUTHORITY IN
ACCORDANCE WITH FBC CH. 105 AND
633 FLORIDA STATUTES.

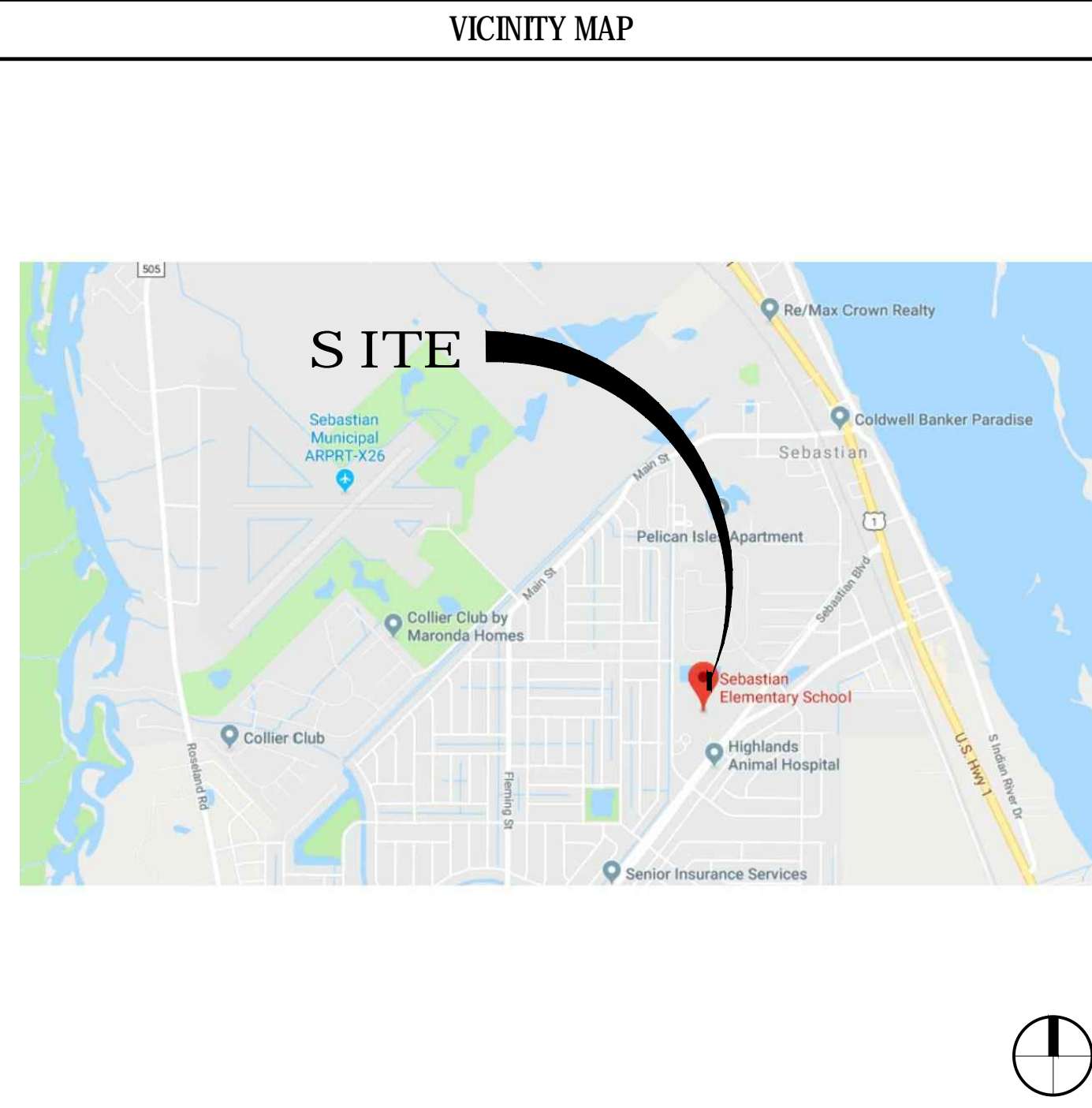
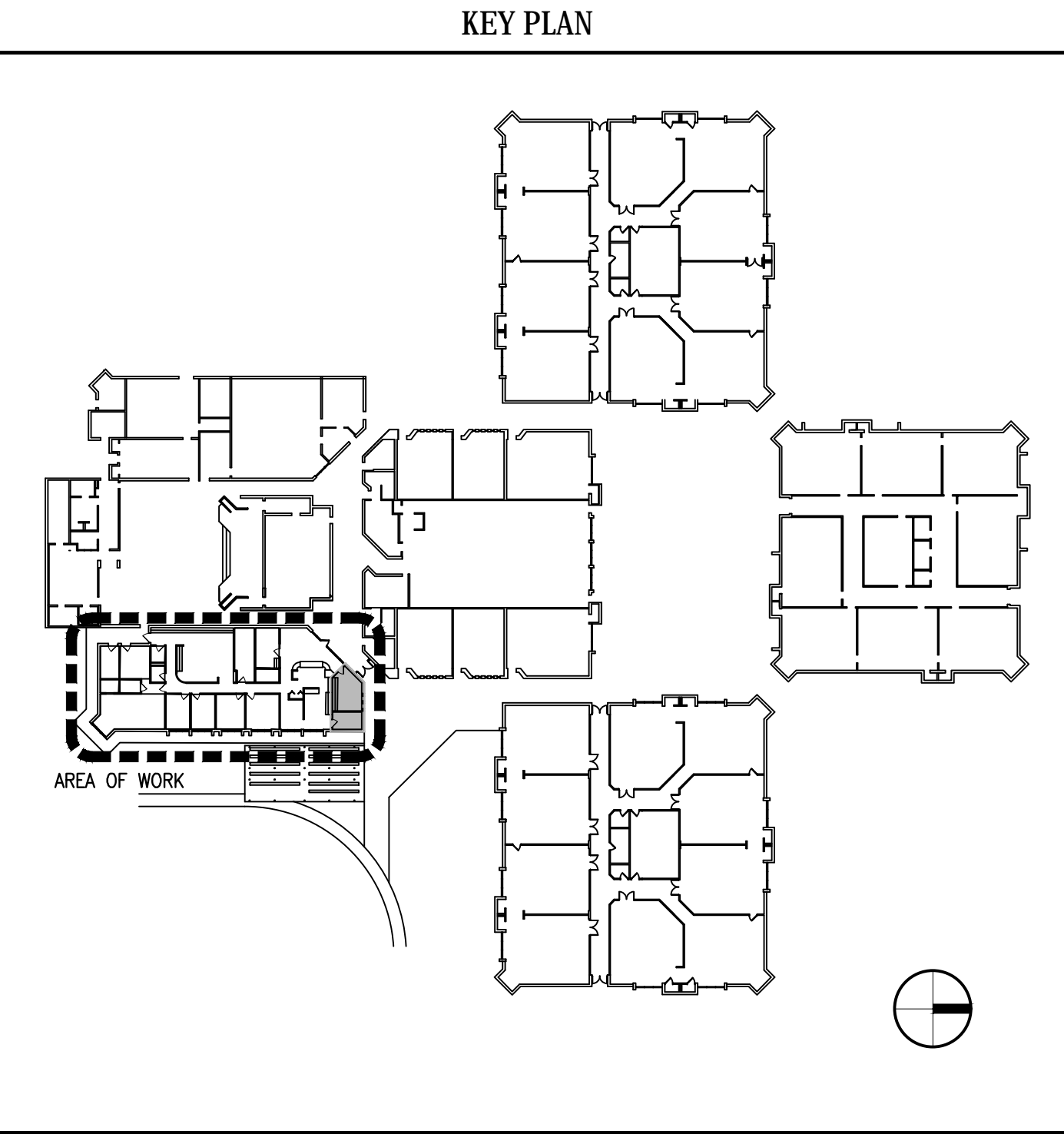


Seal :
Name : PERRY DOUGLASS
License # : AR 97112

MATERIAL INDICATION		
ELEVATION	SECTION	PLAN
		EARTH FILL
		POROUS FILL (STONE, GRAVEL, ETC.)
		CAST IN PLACE CONCRETE
		PRECAST CONCRETE CAST STONE
		BRICK
		CONCRETE MASONRY UNIT (LARGE SCALE)
		CONCRETE MASONRY UNIT (SMALL SCALE)
		STEEL (LARGE SCALE)
		ALUMINUM (LARGE SCALE)
		STONE VENEER
VARIES		METAL (SMALL SCALE)
		ROUGH WOOD (CONTINUOUS)
		ROUGH WOOD (INTERMITTENT BLOCKING)
		WOOD (FINISHED)
		PLYWOOD (LARGE SCALE)
		PLYWOOD (SMALL SCALE)
		PARTICLE BOARD
		INSULATION (BATT)
		RIGID INSULATION (ROOF OR WALL)
		CERAMIC TILE
		PLASTER, SAND, CEMENT, GROUT, GYPSUM BOARD
		MARBLE
		GLASS

ARCHITECTURAL ABBREVIATIONS		
	AND	
	ANGLE	
	CENTER LINE	
	DIAMETER OR ROUND	
	AT	
AC	AIR CONDITIONING	INT
ACC	ACCESSIBLE	JB
ACT	ACOUSTICAL CEILING TILE	JT
AD	AREA DRAIN	MAX
ADJ	ADJUSTABLE	MIN
AFF	ABOVE FINISH FLOOR	MISC
A.L.	ARC LENGTH	MO
ALUM	ALUMINUM	MTL
BD	BOARD	NIC
BLDG	BUILDING	NO / #
BLK	BLOCK	NTS
BM	BEAM	OH
BOB	BOTTOM OF BEAM	OC
BUR	BUILT-UP ROOF	OD
CIP	CAST IN PLACE	OPP
CJ	CONTROL JOINT	PLAS
CL	CHAIN LINK	PLYWD
CLR	CLEAR	POB
CLG	CEILING	PREFAB
CMU	CONCRETE MASONRY UNIT	PSF
COL	COLUMN	PSI
CONC	CONCRETE	PT
CONT	CONTINUOUS/CONTINUE	R
D	DEPTH	RA
DWG	DRAWING	RAD / R
EA	EACH	RD
EC	EASED CORNER	REINF
EJ	EXPANSION JOINT	REQ'D
ELEV	ELEVATION / ELEVATOR	RM
EQ	EQUAL	SCHED
EQUIP	EQUIPMENT	SHT
EXP	EXPANSION	SIM
EWC	ELECTRIC WATER COOLER	SP
EXT	EXTERIOR	SPEC(S)
FD	FLOOR DRAIN	STD
FE	FIRE EXTINGUISHER	STL
FEC	FIRE EXTINGUISHER CABINET	SUSP
FDN	FOUNDATION	SW
FHC	FIRE HOSE CABINET	T
FIN	FINISH	TOT
F.F.	FINISH FLOOR	TOT
FLR	FLOOR	TOF
FT	FEET / FOOT	TOI
GA	GAUGE	TOM
GALV	GALVANIZED	TOP
GEN	GENERAL	TOS
GL	GLASS	TOW
GUM	GLASS UNIT MASONRY	TYP
GWB	GYPSUM WALLBOARD	UNO
GYP	GYPSUM	VERT
H/HT	HEIGHT	VCT
ID	INSIDE DIAMETER	W
IN	INCH / INCHES	W/
INSUL	INSULATION	WD

SYMBOLS AND NOTES		ELEVATION DATUM	
1-100	ROOM DESIGNATION		T.O. PARAPET
X	ROOM NUMBER		LOCATION HEIGHT
X	ROOM NAME		EXTERIOR ELEVATION KEY
	DOOR KEY		VIEWPOINT KEY
	WINDOW KEY		BUILDING SECTION / DETAIL KEY
	FINISH KEY		WALL SECTION/DETAIL KEY
	CASEWORK KEY		DETAIL KEY
	PARTITION TYPE KEY		REVISION DELTA
	POINT ELEVATION KEY		INTERIOR ELEVATIONS KEY
	NORTH ARROW		



SHEET INDEX				
SHEET NUMBER	SHEET TITLE	ISSUE DATE	REV. #	REV. DATE
GENERAL				
--	COVER SHEET	09/19/18		
G-101	INDEX, ABBREVIATIONS, GENERAL NOTES & VICINITY MAP	09/19/18		
G-102	SPECIFICATIONS	09/19/18		
G-103	SPECIFICATIONS	09/19/18		
G-104	SPECIFICATIONS	09/19/18		
STRUCTURAL				
S-001	STRUCTURAL NOTES	09/19/18		
S-100	STRUCTURAL DETAILS	09/19/18		
ARCHITECTURAL				
D-101	DEMOLITION PLAN	09/19/18		
A-101	FLOOR PLAN	09/19/18		
A-121	REFLECTED CEILING PLAN	09/19/18		
A-301	WALL SECTIONS AND DETAILS	09/19/18		
A-601	DOOR SCHEDULE AND DETAILS	09/19/18		
MEP				
M-100	GENERAL NOTES - HVAC	09/19/18		
M-201	FLOOR PLAN - HVAC	09/19/18		
ED-201	DEMOLITION FLOOR PLAN - ELECTRICAL	09/19/18		
E-100	ELECTRICAL SYMBOLS, LEGENDS, & NOTES	09/19/18		
E-201	FLOOR PLAN - ELECTRICAL	09/19/18		
E-501	DETAILS - ELECTRICAL	09/19/18		

- ### GENERAL NOTES
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR ANY INCONSISTENCIES.
 - ALL DIMENSIONS FOR NEW WORK ARE TO FACE OF STUDS, FACE OF CMU OR CONC. AND CENTERLINES OF COLUMNS, UNLESS OTHERWISE INDICATED. ALL DIMENSIONS TO EXISTING ARE TO FACE OF FINISH UNLESS OTHERWISE INDICATED. DIMENSIONS TAKE PRECEDENCE OVER SCALING OF DRAWINGS.
 - UPON COMPLETION OF THE WORK, PROPERTY AND ADJACENT AREAS SHALL BE LEFT CLEAN AND SATISFACTORY TO THE OWNER AND THE ARCHITECT.
 - SCHOOL CAMPUS IS OCCUPIED AND GENERAL CONTRACTOR AND SUBS SHALL TAKE ALL MEANS NECESSARY TO PROVIDE A SAFE AND SECURE CONSTRUCTION BOUNDARY/LIMIT OF CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING AND FITTING OF ALL WORK IN A NEAT WORKMANLIKE MANNER. PROTECT ALL ADJACENT SURFACES FROM DAMAGE. PATCH AND REPAIR ALL WORK DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL OR BETTER CONDITION. WHERE NEW WORK ADJOINS EXISTING IN THE SAME PLANE, MATCH ADJACENT FINISHES, MATERIALS, TEXTURES, SHEEN, ETC.
 - A PRE-CONSTRUCTION COORDINATION MEETING SHALL BE HELD WITH THE CONTRACTOR, OWNER AND ARCHITECT PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE A LIST OF ALL SUB-CONTRACTOR'S TO THE ARCHITECT PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
 - GENERAL AND ALL SUB-CONTRACTORS, SHALL VISIT THE SITE AND PRECISELY EXAMINE THE EXISTING STRUCTURE, SURFACES, CONDITIONS AND EXTENT OF WORK INVOLVED. AFTER EXAMINATION A DEMOLITION SCHEDULE SHALL BE PREPARED AND SUBMITTED IN WRITING TO THE OWNER AND THE ARCHITECT FOR THEIR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK.
 - CONTRACTOR(S) ARE RESPONSIBLE FOR VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING, AND FOR THE COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS AND FINISHES INDICATED IN THE CONTRACT DOCUMENTS. REFER TO THE NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED, BUT SHOWN ON DEMOLITION PLANS, IF APPLICABLE.
 - ALL CONTRACTOR(S) SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL ORDINANCES.
 - EXECUTE ALL DEMOLITION WORK IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ANY EXISTING STRUCTURE. EXTREME CAUTION SHALL BE EXERCISED TO ENSURE THAT NO DAMAGE OCCURS ABSOLUTELY TO ANY OF THE EXISTING EQUIPMENT FURNITURE, OR EXISTING STRUCTURE TO REMAIN. METHODS SHALL BE IN PLACE TO PREVENT ANY DEBRIS FROM FALLING ONTO LOWER LEVELS AT ALL TIMES. WORK SHALL BE CONFINED EXCLUSIVELY WITHIN THE BUILDING BOUNDARY IDENTIFIED. DEMOLITION CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGE TO ADJOINING SURFACES, FINISHES OR STRUCTURE CAUSED BY CONSTRUCTION OPERATIONS.(ACTIVITY)
 - ALL MATERIAL REMOVED UNDER THIS CONTRACT, WHICH IS NOT TO BE SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE TO CONVEY MATERIALS, USE MOVABLE, COVERED, DEBRIS BOXES. DO NOT STORE/PERMIT DEBRIS TO ACCUMULATE ON SITE.
 - UPON COMPLETION OF THE WORK, ADJACENT AREAS AND THE PROPERTY SHALL BE LEFT CLEAN AND SATISFACTORY TO THE LOCAL AUTHORITIES, THE OWNER, AND THE ARCHITECT. THE SITE SHALL BE CLEANED DAILY.
 - ALL DEBRIS REMOVAL FREQUENCY AND LOCATION AND STAGING SHALL BE COORDINATED WITH OWNER.
 - CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR WORK NEXT TO THE WORK SITE.

- ### APPLICABLE CODES
- TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE, AND COMPLY WITH ALL APPLICABLE CODES
 - THE DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS. SHOULD THERE BE A CONFLICT BETWEEN ANY CODE REQUIREMENTS, COMPLY WITH THE REQUIREMENT THAT PROVIDES THE GREATEST DEGREE OF LIFE SAFETY.
 - FBC (FLORIDA BUILDING CODE), 6TH EDITION (2017) INCLUDING:
 - FBC-BUILDING
 - FBC-MECHANICAL
 - FBC-PLUMBING
 - FBC-FUEL GAS
 - FBC-ACCESSIBILITY
 - FLORIDA FIRE PREVENTION CODE FAC 2017 INCLUDING:
 - NFPA 1-2015
 - NFPA 101-2015
 - NFPA CODES LISTED IN FAC 69A-60.005
 - 69A-58 FL FIRE SAFETY IN EDUCATIONAL FACILITIES, CURRENT EDITION
 - STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES 2014
 - ASCE 7-10: AMERICAN SOCIETY OF CIVIL ENGINEERS
 - UL FIRE RESISTANCE DIRECTORY AS VERIFIED AT WWW.UL.COM
 - OSHA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, USDEPARTMENT OF LABOR, CFR 29 AS CURRENTLY REVISED
 - FEMA (FEDERAL EMERGENCY MANAGEMENT AGENCY), RULES & REGULATIONS, 44 CFR, PARTS 59 & 60, REVISED OCTOBER 1995 FOR FLOOD PLAIN CRITERIA GOVERNING INSURABILITY OF FACILITIES CONSTRUCTED IN FLOOD PLAIN AREAS.
 - FLORIDA STATUTES AND STATE RULES, INCLUDING, BUT NOT LIMITED TO, CHAPTERS 1013, 240, 255, 468, 471, 481, 489, 553, 833, AND SECTION 287.055, FLORIDA STATUTES, AND VARIOUS STATE RULES AS APPLICABLE TO SPECIFIC PROJECTS.
 - NFPA 101 CHAPTER 14 NEW EDUCATIONAL FACILITIES, SECTION 14.3.2 PROTECTION FROM HAZARDS

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Name: PERRY DOUGLASS
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Consultants:

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THE SCHOOL DISTRICT OF INDIAN RIVER COUNTY
OFFICE OF FACILITIES & CONSTRUCTION

School District of
Indian River County

SINGLE POINT OF ENTRY RENOVATION

SEBASTIAN ELEMENTARY SCHOOL
400 SEBASTIAN BLVD.
SEBASTIAN, FL 32958

Revisions:

Date: 09/19/2018

S+A Project No: 18032

Owner Project No: PD/WS

Checked By: PD

Phase: CONSTRUCTION DOCUMENTS

Sheet Title: INDEX, ABBREVIATIONS, GENERAL NOTES & VICINITY MAP

Sheet #: G-101

GENERAL STRUCTURAL NOTES

- GENERAL**
- The Structural Drawings shall be read in conjunction with the other Contract Documents which include, but are not limited to, Architectural, Site, Civil, Electrical and Mechanical Drawings, and the Specifications. Report any discrepancies between Contract Documents to the Architect before proceeding.
 - These general notes are to be read in conjunction with the notes on other structural drawings.
 - All work shall be in accordance with the 2017 Florida Building Code, FBC. All referenced standards and codes shall be as listed in the Florida Building Code 2017.
 - The structure has been designed for the in-service loads only. The methods, procedures, and sequences of construction are the responsibility of the Contractor. The Contractor shall provide and maintain all temporary systems to ensure the integrity of the structure at all stages of construction. All work shall be performed without damage to adjacent existing work.
 - Refer items on the structural drawings requiring clarifications to the Architect and Structural Engineer. Do NOT use scaled dimensions. In case of a discrepancy between dimensions and/or details on the contract documents, relating to new or existing construction, please notify the Architect and Engineer before proceeding.
 - Cover no work until the appropriate inspection has been completed.

COORDINATION WITH OTHER TRADES

- Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field, and report any errors or discrepancies to the Structural Engineer prior to the fabrication and erection of any new members. The contractor has the responsibility for the correctness and fit of the new parts to the old part.
- The Contractor shall coordinate and check all dimensions relating to architectural finishes, structural framing, mechanical openings, equipment, etc. The Structural Engineer and Architect shall be notified of any discrepancies before proceeding with work in any area under question.

REINFORCING STEEL

- Reinforcing bar detailing, fabricating, and placing shall conform to the latest edition of the following standards: Specifications for Structural Concrete for Buildings (ACI 301), ACI Detailing Manual (SP66) The latest editions of Concrete Reinforcing Steel Institute's Reinforcing Bar Detailing and Placing Reinforcing Bars may also be used.
- Reinforcing steel shall be deformed bars of new billet steel conforming to ASTM A615 and shall have a minimum yield strength of 60,000 psi.
- Provide specified bar chairs and spacers as required to maintain concrete protection specified.
- Reinforcement bars shall not be tack welded, welded, heated or cut unless indicated on the contract documents or approved by the Structural Engineer. Reinforcing steel shall not be field bent.
- Welded wire fabric shall be smooth wire fabric conforming to ASTM A185 unless otherwise noted. Welded wire fabric in slabs on grade shall be placed 2 inches down from the top of the slab unless otherwise noted.
- Lap to reinforcing bars shall be 48x bar diameter typically.

STRUCTURAL STEEL

- Structural steel detailing, fabrication and erection shall conform to the AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings – Load & Resistance Factor Design, latest edition.
- Steel members shall conform to the following ASTM Standards:
Structural steel rolled shapes WF shapes ASTM A992, M and S ASTM A572 Grade 50.
Steel plates ASTM A36
Structural tube steel HSS Rectangular and square ASTM A500, GRADE C (Fy=50 ksi).
Round ASTM A500, GRADE C (Fy=46 ksi).
- Structural steel SHALL be shop-painted with a rust inhibiting primer.
- All field and shop connections to have 3/16 inch continuous fillet welds, unless noted as bolted connections. Welding procedures shall conform to the latest edition of the American Welding Society's (AWS) Structural Welding Codes: For Structural Steel ANSI/AWS D1.1; for Sheet Steel ANSI/AWS D1.3; for Reinforcing Steel ANSI/AWS D1.4.
- Welded connections using ASTM A992 steel as a base metal shall be made with E70XX Low Hydrogen electrodes. Unless otherwise noted, other welded connections may be made with regular E70XX electrodes.

MASONRY

- Structural masonry has been designed in accordance with the ACI Building Code Requirements for Masonry Structures (ACI 530/ASCE 5).
- Concrete masonry construction shall conform to the ACI Specification for Masonry Structures (ACI 530.1/ASCE 6).
- Concrete masonry construction shall have a minimum compressive strength (f'm) of 1900 psi at 28 days. Mortar shall be type S for interior non-load bearing walls. For all load bearing walls, mortar shall be type M or S proportioned in accordance with ASTM C270, with a 28 day compressive strength of 2150 psi minimum. Portland cement-lime without air entrainment shall be used in the mortar mix.
- Masonry grout shall be a high slump mix having a minimum 28 day compressive strength of 2500 psi. Grout to conform to ASTM C-476. Concrete shall not be used in lieu of masonry grout.
- Lap splices in reinforcing bars to be 48x bar diameter. See typical reinforced cmu wall detail.
- Provide hot-dipped, 9 gauge min., ladder type horizontal joint reinforcement at 16" o.c. vertically unless otherwise noted.
- Masonry reinforcement shall extend from footing to tie, or bond, beam at top of wall, or roof support.
- Concrete masonry shall be laid in a running bond pattern.

COLD FORMED STEEL

- Cold formed (light gauge) steel members shall be detailed and fabricated in accordance with the AISC Specification for the Design of Cold formed Steel Structural Members, latest edition.
- Splicing of axially loaded members is not permitted. Studs and accessories shall conform to the requirements of ASTM A-653, minimum yield stress 33 ksi, and shall be designed by manufacturer/supplier.
- Studs shall be braced in accordance with the manufacturer's specifications but not less than at four foot centers vertically.

WIND LOAD PER FBC 2017 AND ASCE 7-10:

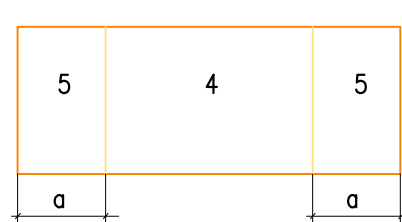
ULTIMATE WIND SPEED = 170 MPH (132 MPH ASD)
RISK CATEGORY III/V WIND EXPOSURE CATEGORY "C"
ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT = +/- 0.18
WIND DIRECTIONALITY FACTOR Kd = 0.85

MEAN ROOF HEIGHT 15 FT		ROOF SLOPE < 7 DEGREES				
VELOCITY PRESSURE = 53.5 PSF		TRIBUTARY AREA (SQ. FT.)				
AREA	ZONE	10	20	50	100	
MAIN ROOF	1,2&3	26	25	23	20	
	1	SUCTION psf	-63	-63	-61	-58
	2	SUCTION psf	-106	-102	-89	-69
OVERHANG	3	SUCTION psf	-159	-149	-119	-69
	2	SUCTION psf	-101	-100	-98	-95
	3	SUCTION psf	-159	-148	-112	-52

TABLE 1: GROSS ROOF CLADDING ULTIMATE WIND LOADS

ZONE	AREA	10 SF	50 SF
4&5	PRESSURE psf	35	34
4	SUCTION psf	-38	-37
5	SUCTION psf	-46	-45

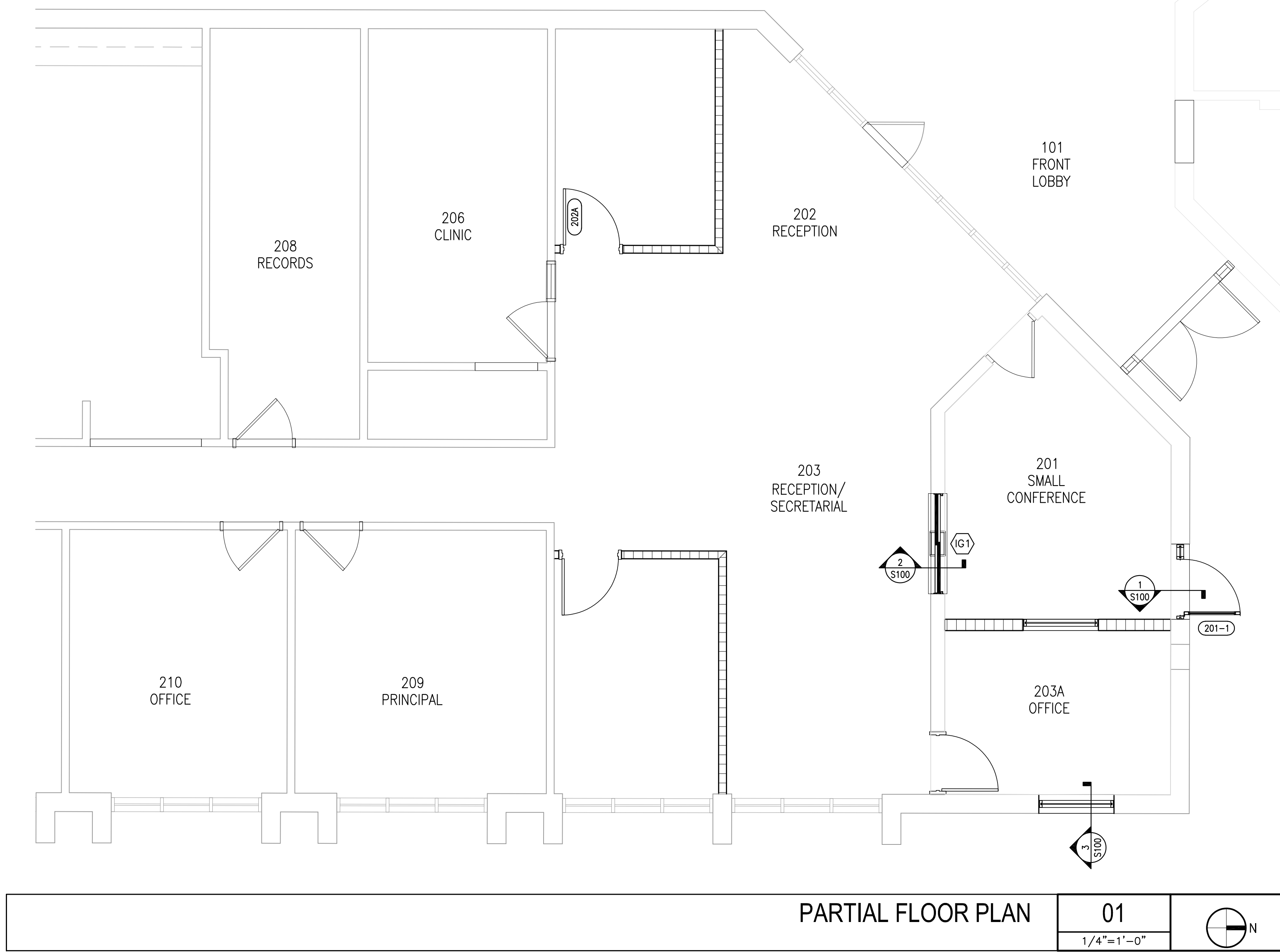
TABLE 2: SERVICE WIND PRESSURES ON WALLS/OPENINGS



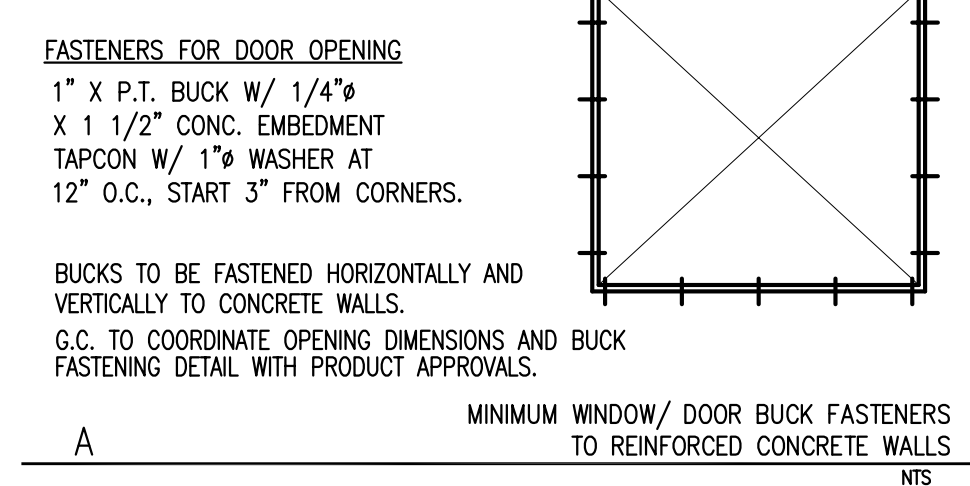
WALL WIND ZONES

STANDARD ABBREVIATIONS

- A.B. Anchor Bolt
- ADJ. Adjacent
- ARCH. Architect
- B. (Bot) Bottom
- BEW Bottom Each Way
- BCX Bottom Chord Extension
- BL Bottom Lower Layer
- BUL Bottom Upper Layer
- BLDG Building
- BM Beam
- BP Base Plate
- C/C Center to Center
- CFW Continuous Fillet Weld
- DIAG. Diagonal
- DIAM. Diameter
- D, FIR Douglas Fir
- DIM Dimension
- DJ Double Joist
- DWG Drawing
- DWL Dowel
- EA Each
- EE Each End
- EF Each Face
- EJ Expansion Joint
- EW Each Way
- EWB Each Way Bottom
- EWT Each Way Top
- EL, ELEV Elevation
- ELECT Electrical
- E-W East-West
- EQ Equal
- EXIST Existing
- EXT External
- FF Far Face
- FDN Foundation
- FFL Finished structural floor level
- FIN Finished
- FL Floor
- FTG Footing
- FMC Full Moment Connection
- GA Gauge
- GALV Galvanized
- GT Girder Truss
- HORI Horizontal
- HD Holding Down (anchors)
- HT Hip/Valley truss
- INT Interior
- JB Joist bearing elevation
- JT Joint
- JST Joist Girder
- KIPS Kilopounds, Kips
- KLF Kilopounds per foot
- L Angle (e.g. L4x4x1/4)
- LBS Pounds
- LG Long
- LLV Long Leg Vertical
- LLH Long Leg Horizontal
- LONG Longitudinal
- MAX Maximum
- MECH Mechanical
- MEZZ Mezzanine
- MIN Minimum
- MISC Miscellaneous
- MOM Moment
- MC Moment Connection
- MSL Mean Sea Level
- N-S North-South
- NTS Not to Scale
- NO. Number
- NW Normal weight
- O/C On Center (C/C)
- O.D. Outside Diameter
- PL Plate
- PC Precast
- PROJ Projection
- PSI Pounds per square inch
- PSF Pounds per square foot
- PLF Pounds per linear foot
- RC Reinforced concrete
- REINF Reinforcement (steel)
- REQ'D Required
- REV Revision
- RHS Rectangular Hollow Steel Section
- SDF Step Down Footing
- SPEC Specification
- SHS Square Hollow Steel Section
- ST Steel
- STD Standard
- SQ Square
- STRUCT Structural
- SJ Sawn (Control) Joint
- SP Southern Pine
- T Top
- TB Truss Bearing elevation
- TLL Top Lower Level
- TML Top Middle Level
- TUL Top Upper Level
- TEMP Temperature
- TYP Typical
- TRANS Transverse
- TS Tube steel section
- TJ Tie Joist
- TB Top of Beam
- TOD Top of Deck
- TOS Top of Steel
- TOW Top of wall
- U/S Underside
- UNO Unless noted otherwise
- VERT Vertical
- W Wide Flange (beam)
- WWF Welded Wire Fabric
- WWR Welded Wire Rebar/Reinforcing



PARTIAL FLOOR PLAN 01
1/4"=1'-0"



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SINGLE POINT OF ENTRY RENOVATION

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Revisions :

Date : 09/19/2018
S+A Project No. : 18032
Owner Project No. :
Drawn By : AM
Checked By : AM

Phase :
90 CONSTRUCTION DOCUMENTS

Sheet Title :
STRUCTURAL NOTES

Sheet # :

S-001



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SINGLE POINT OF ENTRY RENOVATION

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Checked By : AM

Phase :

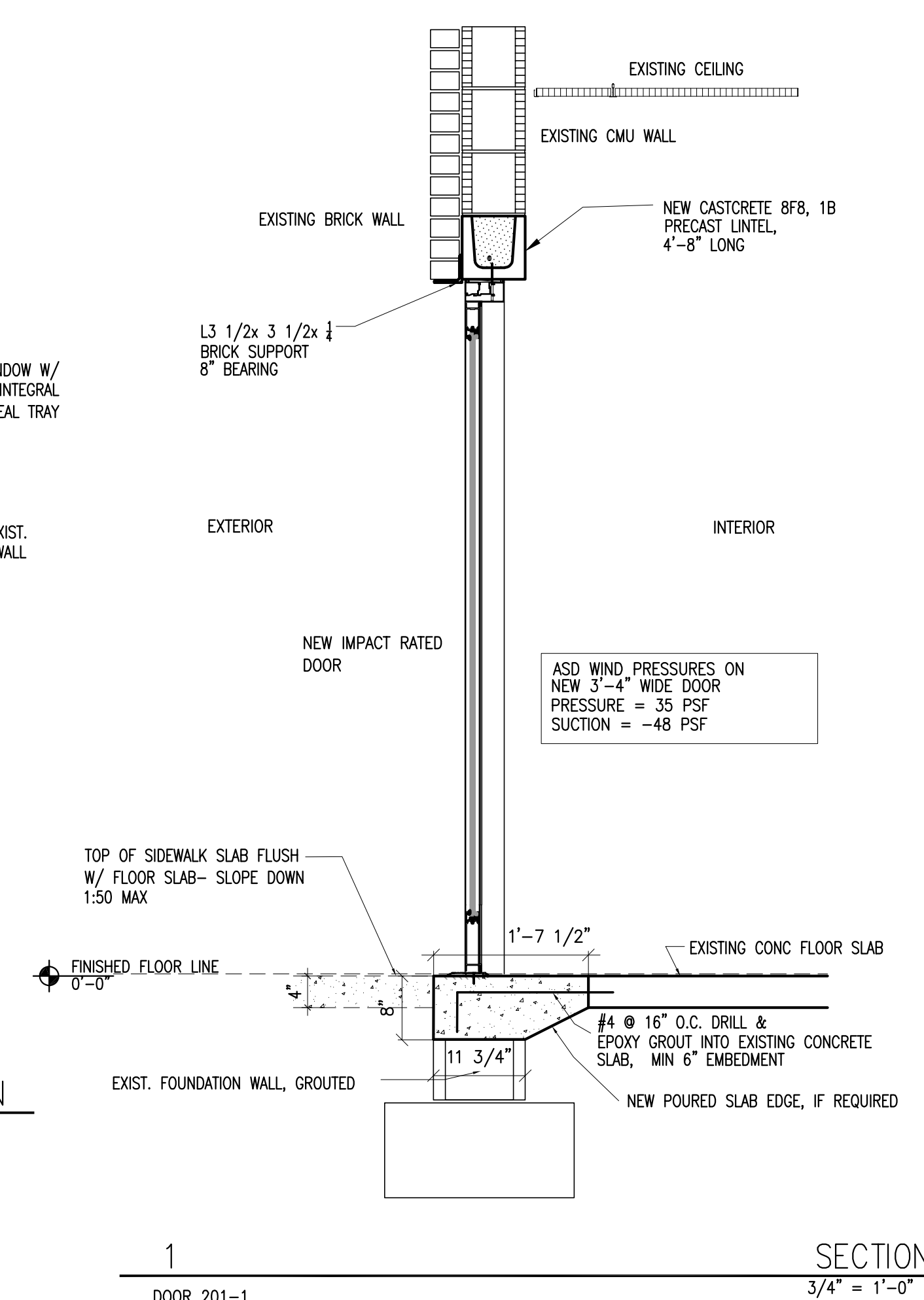
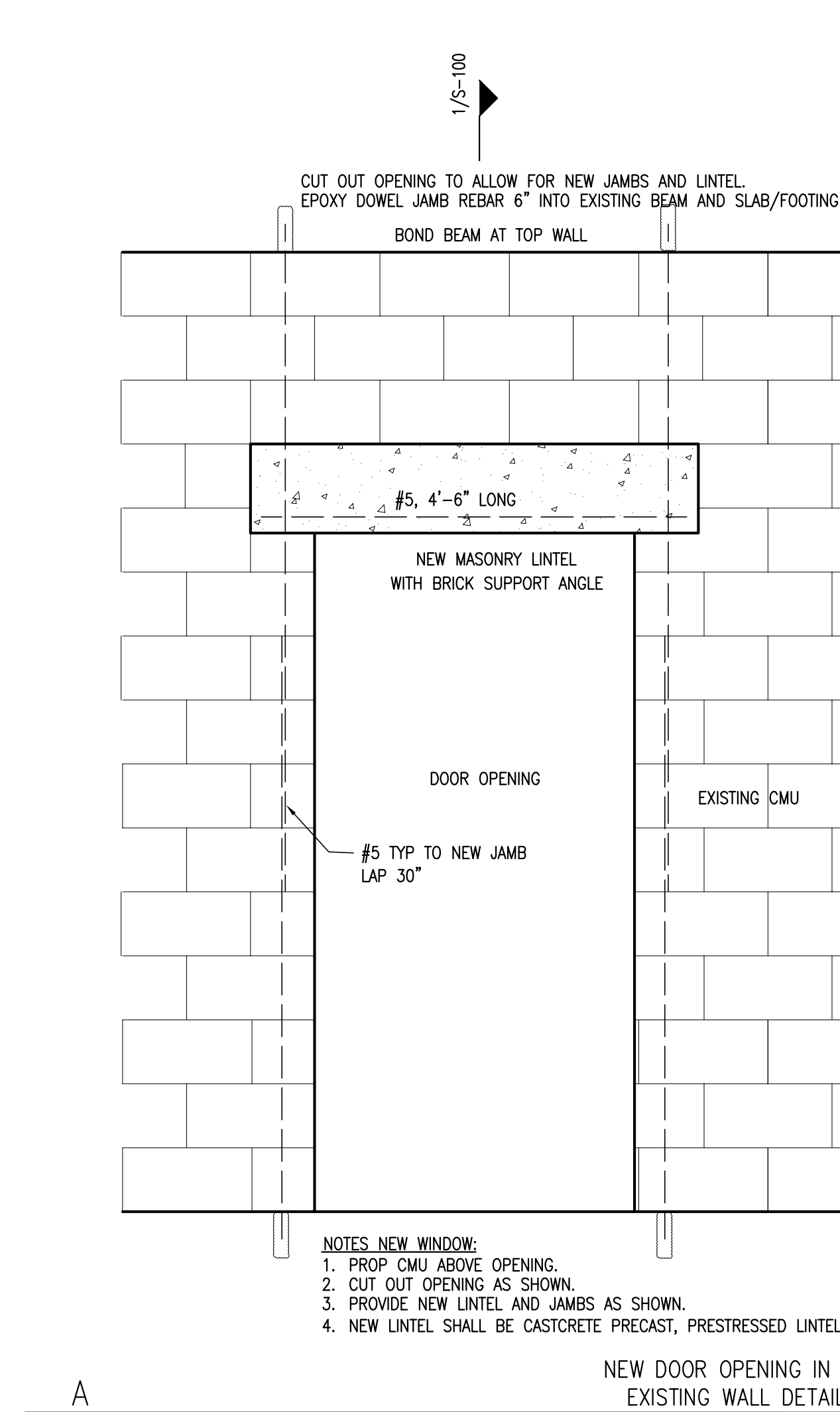
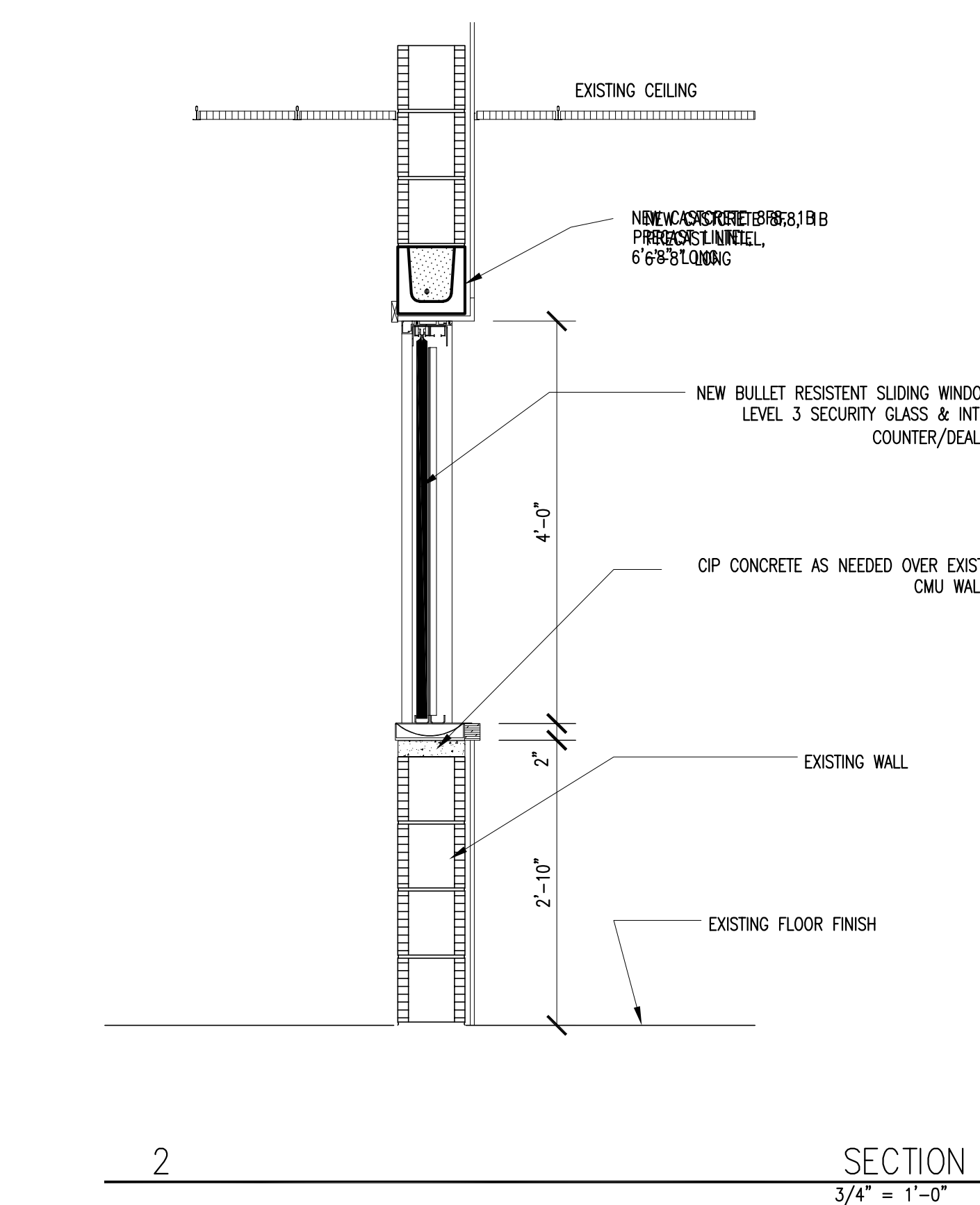
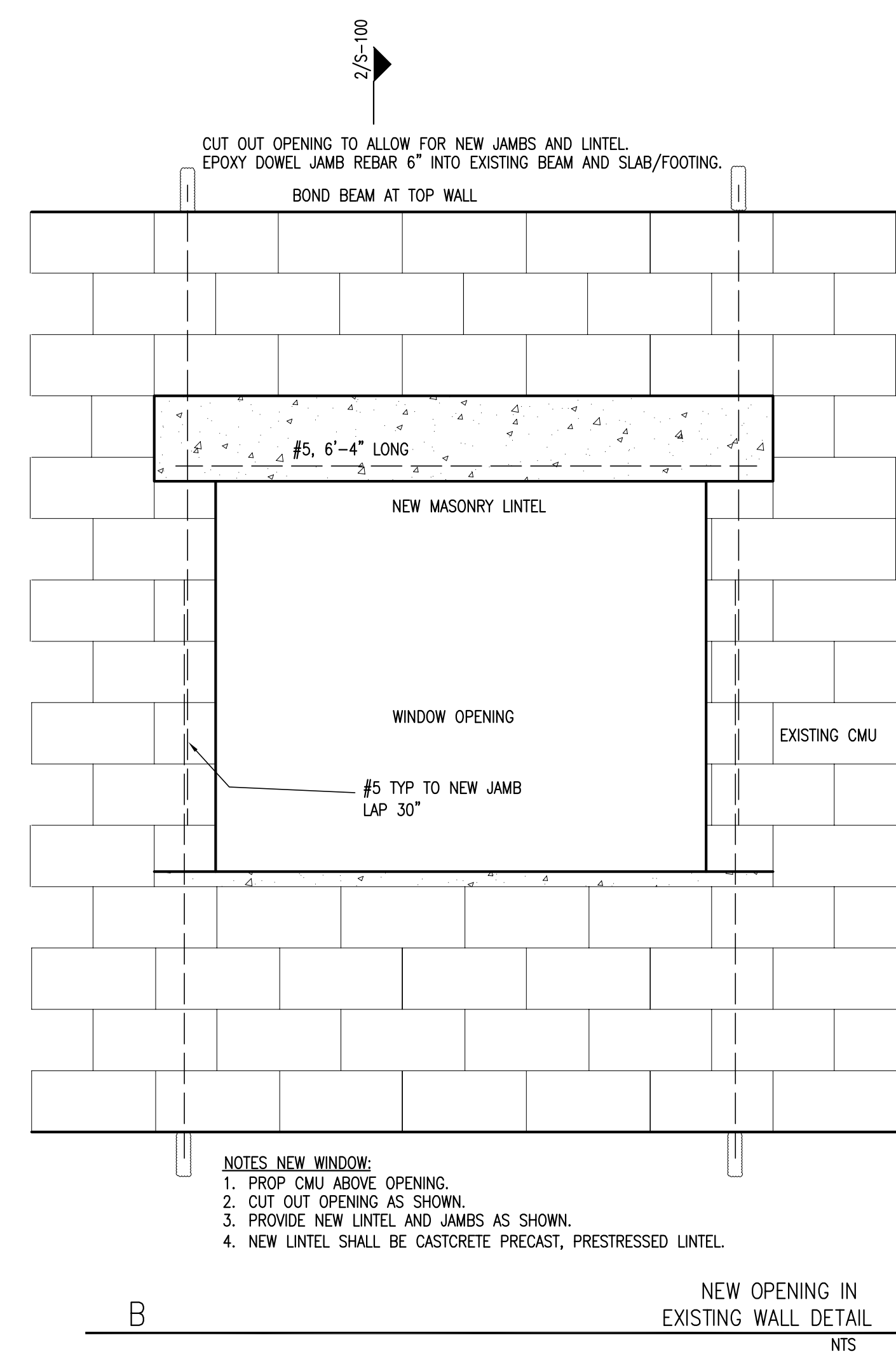
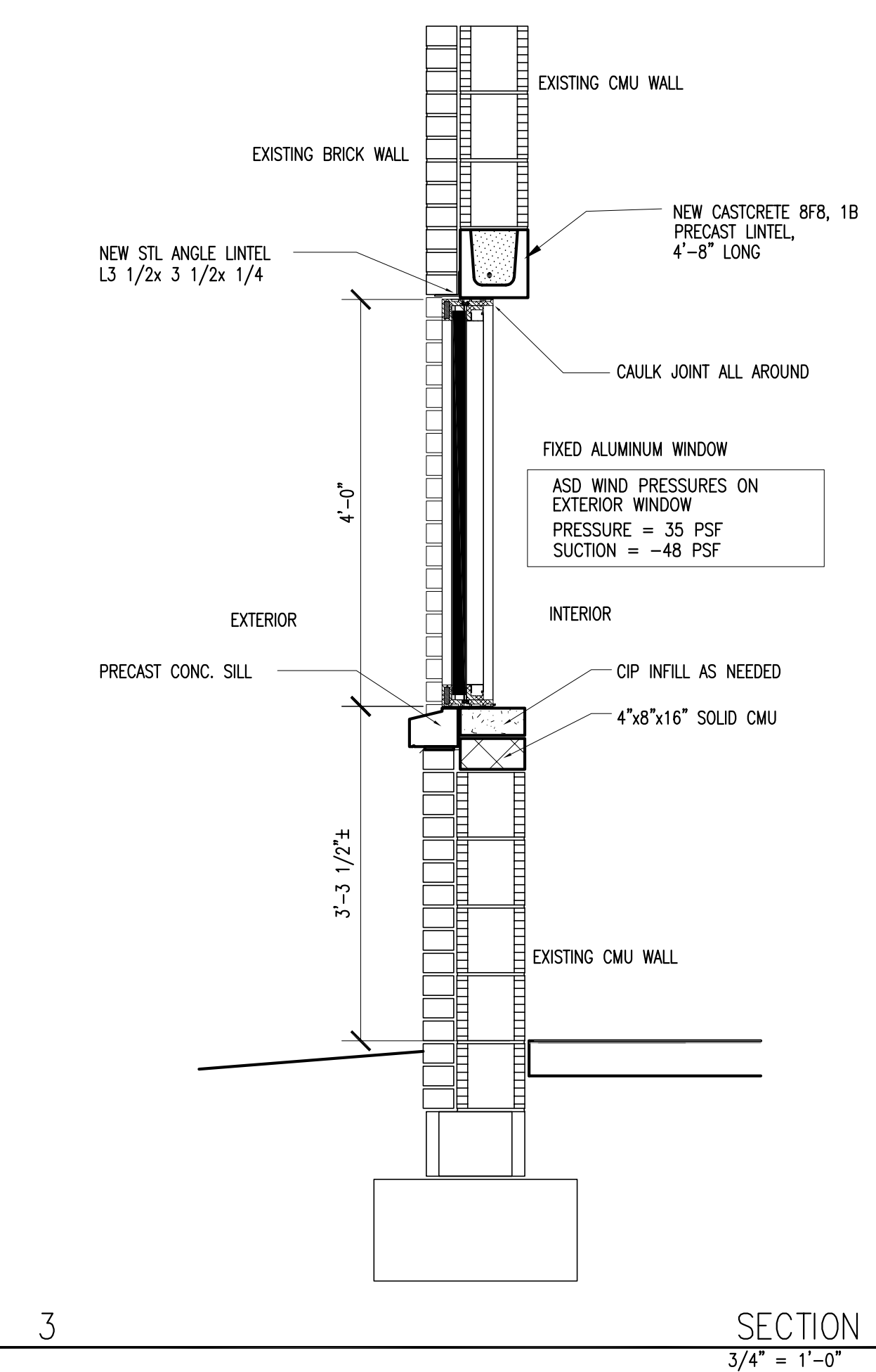
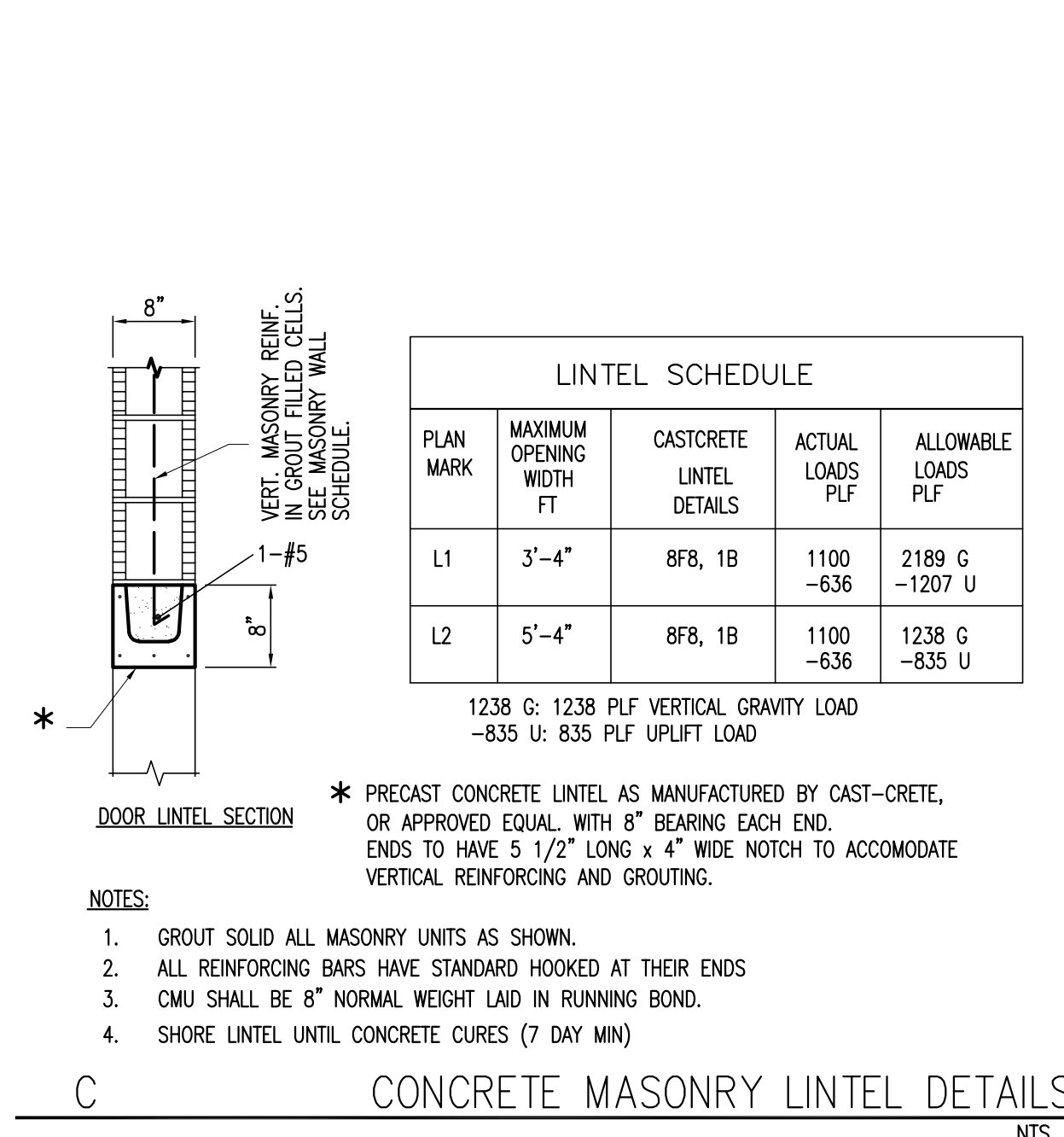
90 CONSTRUCTION DOCUMENTS

Sheet Title :

STRUCTURAL DETAILS

Sheet # :

S-100



DOOR 201-1

DEMOLITION GENERAL NOTES

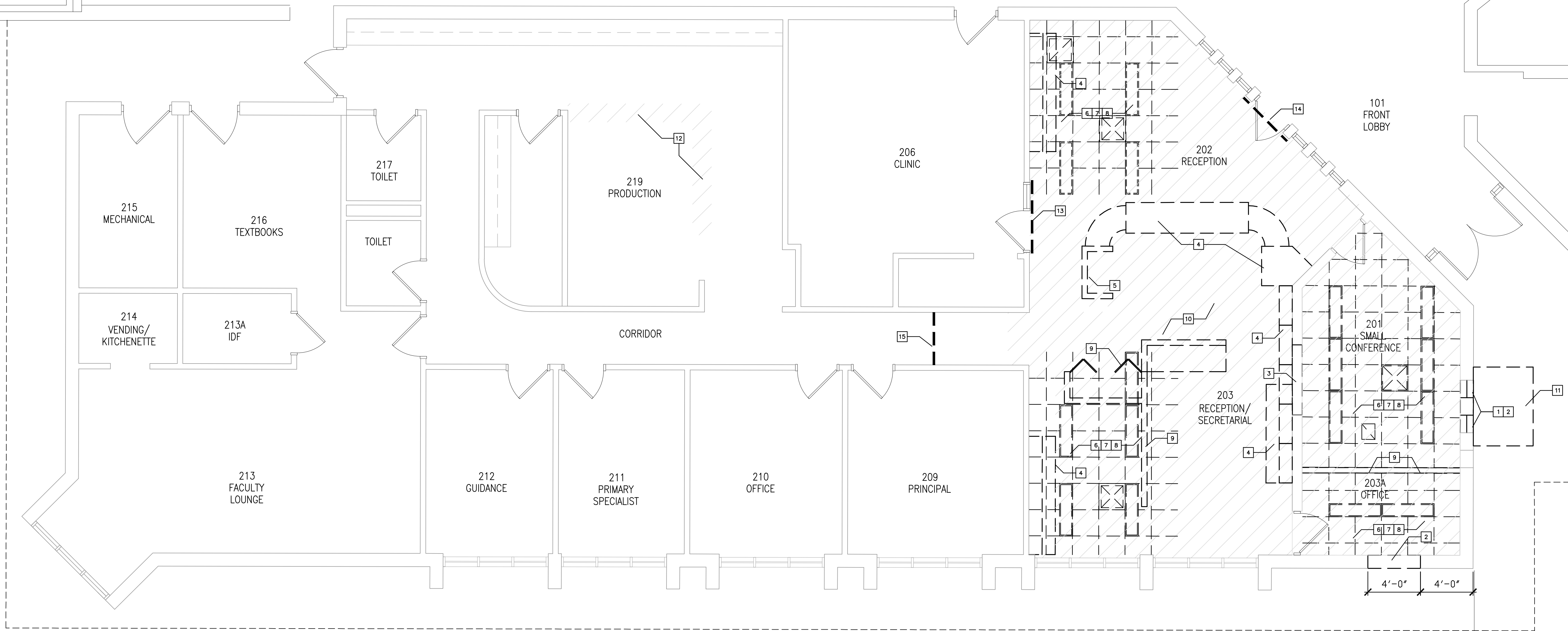
- A. GENERAL AND ALL SUB-CONTRACTORS, SHALL VISIT THE SITE AND PRECISELY EXAMINE THE EXISTING STRUCTURE, SURFACES, CONDITIONS AND EXTENT OF WORK INVOLVED. AFTER EXAMINATION A DEMOLITION SCHEDULE SHALL BE PREPARED AND SUBMITTED IN WRITING TO THE OWNER AND THE ARCHITECT FOR THEIR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK.
- B. CONTRACTOR(S) ARE RESPONSIBLE FOR VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING, AND FOR THE COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS AND FINISHES INDICATED IN THE CONTRACT DOCUMENTS. REFER TO THE NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED, BUT SHOWN ON DEMOLITION PLANS.
- C. ALL CONTRACTOR(S) SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL ORDINANCES.
- D. EXECUTE ALL DEMOLITION WORK IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ANY EXISTING STRUCTURE. EXTREME CAUTION SHALL BE EXERCISED TO ENSURE THAT NO DAMAGE OCCURS ABSOLUTELY TO ANY OF THE EXISTING EQUIPMENT, FURNITURE, OR EXISTING STRUCTURE TO REMAIN. WORK SHALL BE CONFINED EXCLUSIVELY WITHIN THE BUILDING BOUNDARY IDENTIFIED. DEMOLITION CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGE TO ADJOINING SURFACES, FINISHES OR STRUCTURE CAUSED BY CONSTRUCTION OPERATIONS.(ACTIVITY)
- E. ANY EXISTING ACTIVE UTILITY SERVICE LINES, INDICATED OR NOT, SHALL BE PROTECTED FROM DEMOLITION OR DAMAGE. DISCONNECT ANY ELECTRIC, TELEPHONE, GAS, WATER, OR OTHER UTILITY LINES SERVICING THE STRUCTURE ACCORDING TO THE EXISTING RULES & REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION. PRIOR TO DISCONNECTING ANY UTILITY SERVICE LINE, NOTIFY OWNER AND COORDINATE THE TIME WITH THE OWNER'S SCHEDULE.
- F. "FLOORING" DENOTES FLOOR COVERING MATERIALS, INCLUDING ADHESIVES, DOWN TO, BUT EXCLUSIVE OF FLOOR SLABS, STRUCTURAL SLABS, AND STRUCTURAL SYSTEMS, UNLESS NOTED OTHER WISE.
- G. WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON THE SLAB OR AS SPECIFICALLY NOTED. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.
- H. ALL MATERIAL REMOVED UNDER THIS CONTRACT, WHICH IS NOT TO BE SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. TO CONVEY MATERIALS, USE MOVABLE, COVERED, DEBRIS BOXES. DO NOT STORE/PERMIT DEBRIS TO ACCUMULATE ON SITE.
- I. WHERE PORTIONS OF THE EXISTING STRUCTURE ARE TO BE REMOVED, PROVIDE BRACING AS REQUIRED TO PROPERLY SUPPORT THE REMAINING STRUCTURE UNTIL THE NEW CONSTRUCTION HAS BEEN INSTALLED AND ADEQUATELY BRACED.
- J. ANY MATERIALS SPECIFIED TO BE REUSED BY THE OWNER SHALL BE CAREFULLY REMOVED, PROTECTED & STORED AT THE OWNER'S DIRECTION.
- K. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACES SHALL BE SMOOTH AND FLUSH AND TO BLEND SEAMLESSLY WITH THE EXISTING CONDITIONS. PATCH, REPAIR, AND REPLACE SURFACES AS REQUIRED.
- L. UPON COMPLETION OF DEMOLITION WORK, ADJACENT AREAS AND THE PROPERTY SHALL BE LEFT CLEAN AND SATISFACTORY TO THE LOCAL AUTHORITIES, THE OWNER, AND THE ARCHITECT. IN ADDITION TO DAILY CLEANING OF THE SITE.
- M. GENERAL CONTRACTOR SHALL VERIFY THE EXISTING UNDER SLAB ELECTRICAL AND OTHER UTILITY SERVICE IN AREAS OF SLAB DEMOLITION. VERIFICATION METHODS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR WHO SHALL COORDINATE WITH THE OWNER IF ANY UTILITY SERVICES FOUND TO BE IN CONFLICT. GENERAL CONTRACTOR SHALL COORDINATE UTILITY SERVICE SHUT DOWN WITH THE OWNER PRIOR TO DEMOLITION.
- N. AREA DESIGNATED AS OWNER-OCCUPIED DURING CONSTRUCTION PERIOD SHALL HAVE ALL BUILDING SERVICES MAINTAINED WITHOUT INTERRUPTION EXCEPT AS REQUIRED FOR CONSTRUCTION AND WITH PRIOR APPROVAL BY THE OWNER. SCHEDULE SUCH DOWN TIME WITH OWNER 72 HOURS IN ADVANCE.
- O. BUILDING EXIT ACCESS, AND ALL LIFE SAFETY DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE AREA DESIGNATED AS OWNER-OCCUPIED DURING THE CONSTRUCTION PERIOD.
- P. "COMPLETELY" DENOTES TOTAL REMOVAL OF ALL ITEMS INDICATED FOR DEMOLITION, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
- Q. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DWGS FOR ADDITIONAL DEMOLITION NOTES.
- R. NO REMOVAL OF HAZARDOUS MATERIALS IS ANTICIPATED, AND IS NOT INCLUDED IN SCOPE OF WORK. IN THE EVENT THAT ANY SUSPICIOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, IMMEDIATELY NOTIFY THE DISTRICT.

DEMOLITION GENERAL PHASING NOTES

- A. WORK WILL BE OCCURRING DURING ACTIVE SCHOOL OPERATIONS.
- B. NOISY DEMOLITION WORK, I.E. REMOVAL OF EXISTING FLOOR TILE, IS INTENDED TO OCCUR DURING WINTER HOLIDAY BREAK.
- C. COMPLETION OF PARTIAL-HEIGHT WALL IN 219 PRODUCTION IS INTENDED TO BE COMPLETED DURING WINTER HOLIDAY BREAK.
- D. WORK AND WORKERS ARE TO BE CONFINED TO SECURED DESIGNATED AREA OF CONSTRUCTION WHILE DAILY SCHOOL ACTIVITIES ARE ONGOING. GC IS TO PROVIDE WORKER ACCESS POINT TO AVOID ANY CONTACT WITH STUDENTS.

DEMOLITION CODED NOTES

- 1 REMOVE ALUMINUM WINDOW AND BRICK VENEER CMU WALL TO PREPARE OPENING FOR NEW STOREFRONT ENTRY SYSTEM
- 2 COMPLETELY REMOVE EXISTING BRICK VENEER/CMU WALL TO ACCOMMODATE NEW DOOR OR WINDOW OPENING/STRUCTURAL LINTEL
- 3 COMPLETELY REMOVE EXISTING CMU WALL TO ACCOMMODATE NEW TRANSACTION WINDOW OPENING/STRUCTURAL LINTEL
- 4 COMPLETELY REMOVE EXISTING CASEWORK/COUNTERTOPS. TERMINATE EXISTING INTERNAL ELECTRIC/DATA WIRING PER ELECTRICAL DRAWINGS/NOTES.
- 5 COMPLETELY REMOVE EXISTING GWB/FRAMED SHELF NOOK. TERMINATE EXISTING INTERNAL ELECTRIC/DATA WIRING PER ELECTRICAL DRAWINGS/NOTES. RELOCATE ALARM PANEL PER ELECTRICAL DRAWINGS AND AED BOX AS DIRECTED BY OWNER.
- 6 COMPLETELY REMOVE EXISTING LIGHT FIXTURES @ AREAS OF NEW WORK. SALVAGE FIXTURES AND TURN OVER TO SCHOOL DISTRICT.
- 7 COMPLETELY REMOVE EXISTING DIFFUSERS @ AREAS OF NEW WORK. SALVAGE FIXTURES AND TURN OVER TO SCHOOL DISTRICT.
- 8 COMPLETELY REMOVE EXISTING ACT AND GRID. MAINTAIN AREAS TO REMAIN TO THE EXTENT POSSIBLE TO PROVIDE UNIFORM TIE INTO NEW WORK.
- 9 COMPLETELY REMOVE EXISTING STUD WALL, DOOR, AND FRAME
- 10 COMPLETELY REMOVE EXISTING FLOORING TO SLAB
- 11 NEATLY SAWCUT EXISTING SIDEWALK AS NEEDED TO PERFORM NEW WORK. UTILIZE EXISTING CONTROL JOINTS TO THE EXTENT POSSIBLE.
- 12 REMOVE FLOOR TILE AND PREPARE SLAB AS NEEDED TO ANCHOR NEW PARTIAL-HEIGHT WALL (REFER TO A-101 FLOOR PLAN FOR DIMENSIONS)
- 13 PROVIDE TEMPORARY DUST-PROOF AND SOUND INSULATED ENCLOSURE PANEL @ CLINIC DOOR. CLINIC WILL REMAIN ACTIVE DURING CONSTRUCTION WITH ACCESS FROM CORRIDOR.
- 14 PROVIDE TEMPORARY DUST-PROOF ENCLOSURE PANEL @ ADMIN DOOR.
- 15 PROVIDE TEMPORARY DUST-PROOF AND SOUND INSULATED ENCLOSURE PANEL @ ADMIN CORRIDOR. OFFICES WILL REMAIN ACTIVE DURING CONSTRUCTION WITH ACCESS FROM CORRIDOR.



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Consultants :

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THE SCHOOL DISTRICT OF INDIAN RIVER COUNTY
OFFICE OF FACILITIES & CONSTRUCTION



SINGLE POINT OF ENTRY RENOVATION

SEBASTIAN ELEMENTARY SCHOOL
400 SEBASTIAN BLVD.
SEBASTIAN, FL 32958

Revisions :

Date : 09/19/2018

S+A Project No : 18032

Owner Project No : PD/WS

Drawn By :

Checked By : PD

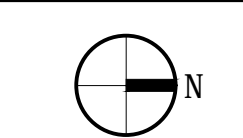
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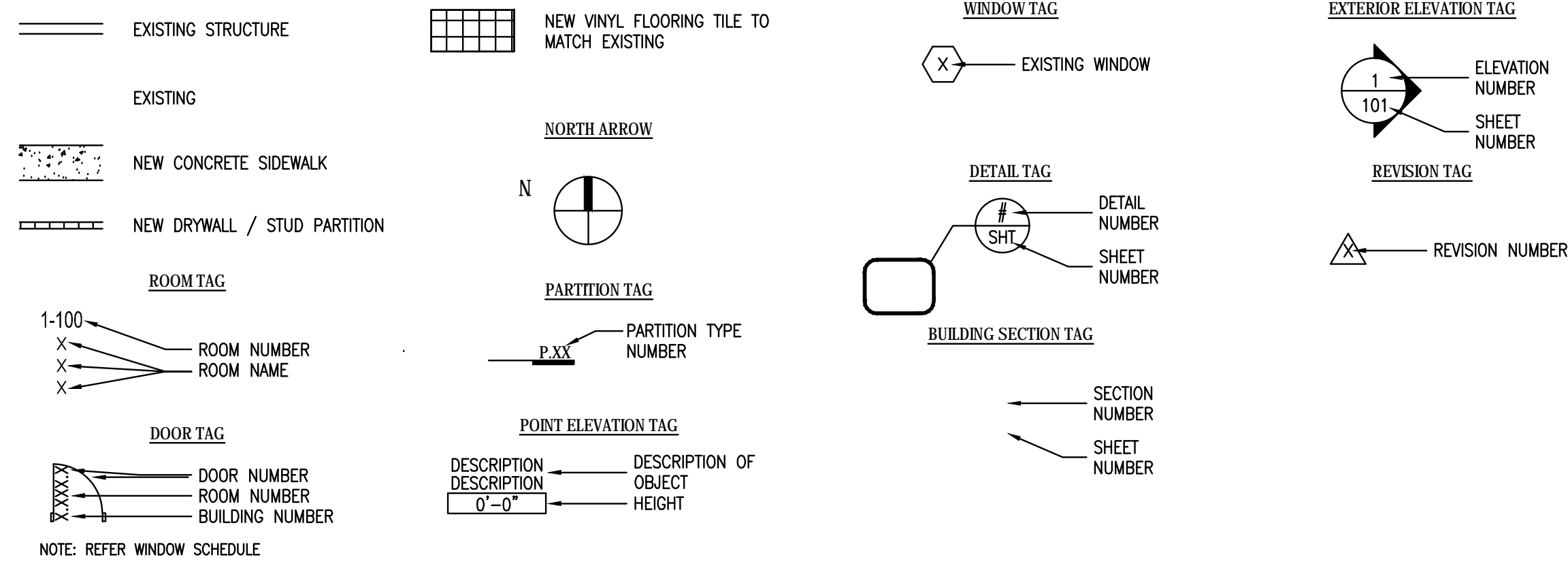
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DEMOLITION FLOOR PLAN

01
1/4"=1'-0"



FLOOR PLAN LEGEND



GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR ANY INCONSISTENCIES.
2. ALL DIMENSIONS FOR NEW WORK ARE TO FACE OF FINISH AND CENTERLINES OF COLUMNS, UNLESS OTHERWISE INDICATED. ALL DIMENSIONS TO EXISTING ARE TO FACE OF FINISH UNLESS OTHERWISE INDICATED. DIMENSIONS TAKE PRECEDENCE OVER SCALING OF DRAWINGS.
3. PROVIDE ALL REQUIRED BLOCKING AS NEEDED FOR BUILT IN CASEWORK, EQUIPMENT SUPPORTS, TOILET ACCESSORIES, ETC. COORDINATE WITH ALL TRADES AS REQUIRED. PROVIDE G-185 COATING FOR PT WOOD ANCHORS.
4. VERIFY SIZES OF ALL OWNER PROVIDED EQUIPMENT AND COORDINATE ALL OPENINGS, CLEARANCES, ELECTRICAL AND MECHANICAL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION.
5. UPON COMPLETION OF THE WORK, PROPERLY AND ADJACENT AREAS SHALL BE LEFT CLEAN AND SATISFACTORY TO THE OWNER AND THE ARCHITECT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING AND FITTING OF ALL WORK IN A NEAT WORKMANLIKE MANNER. PROTECT ALL ADJACENT SURFACES FROM DAMAGE. PATCH AND REPAIR ALL WORK DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL OR BETTER CONDITION. WHERE NEW WORK ADJOINS EXISTING IN THE SAME PLANE, MATCH ADJACENT FINISHES, MATERIALS, TEXTURES, SHEEN, ETC.
7. AT AREAS OF FLOOR SLAB REPLACEMENT (DUE TO DEMOLITION), PROVIDE VAPOR BARRIER SHEET, BACKFILL TRENCH, COMPACT AND REPLACE SLAB TO MATCH EXISTING ADJACENT IN ELEVATION, FINISH AND REINFORCEMENT.

GENERAL PARTITION NOTES :

WALL TAG DESIGNATION IS INTENDED TO INDICATE WALL TYPE ALONG AN ENTIRE WALL PLANE AND/OR SURFACE ALONG THE FULL LENGTH OF A SPACE OR CORRIDOR INCLUDING ASSOCIATED ALCOVES AND NICHEs, UNLESS INDICATED OTHERWISE.

AT NEW ASSEMBLIES, WALL BOARD AND SURFACE FINISH MATERIAL SHALL EXTEND TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

REFER TO FINISH SCHEDULE FOR TYPE OF WALL FINISH TO BE UTILIZED AT PARTICULAR LOCATIONS. EXTEND FINISHES 4" ABOVE CEILING.

IF A CEILING IS NOT REQUIRED IN A SPACE, CONTRACTOR SHALL CONTINUE WALL AND FINISH TO DECK ABOVE.

ALL FURRING INDICATED SHALL MATCH DEPTH OF ADJACENT EXISTING U.N.O.

MAXIMUM STUD SPACING & MIN. STUD GAUGE SHALL PROVIDE A MAXIMUM DEFLECTION OF L/240 UNDER A MINIMUM 5 PSF LATERAL LOAD, UNLESS OTHERWISE INDICATED

SET FLOOR TRACKS IN TWO CONTINUOUS BEADS OF ACOUSTICAL SEALANT (TP)

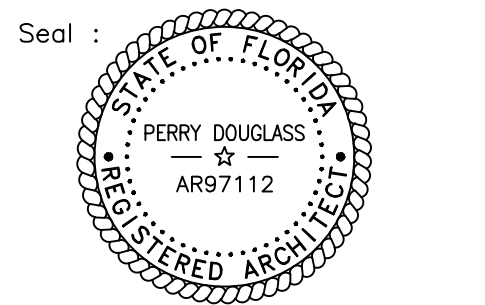
CODED NOTES

1. PROVIDE NEW TILE FLOORING AND BASE TO MATCH EXISTING THROUGHOUT. EXISTING BASE MAY BE MAINTAINED SHOULD IT BE DEEMED FEASIBLE. BASIS OF DESIGN: TILE - DALTILE MA90 20"x20"; PREMIUM THIN SET - X200 INTERIOR/EXTERIOR RATED MODIFIED LATEX; TEC POWER GROUT, COLOR: COFFEE
2. REFER TO A-211 FOR NEW CASEWORK DIMENSIONS AND DETAILS..
3. FACE OF NEW WALL TO ALIGN W/ DOOR JAMB. REFER TO DETAIL 01/A-212.
4. INFILL INTERIOR SLAB WHERE MASOIRY WALL WAS REMOVED FOR DOOR OPENING. REFER TO SECTION 2/A-211.
5. INFILL EXTERIOR SIDEWALK AS NEEDED. FEATHER INTO NEW THRESHOLD TO SLOPE AWAY FROM BUILDING @ 1:50 MAX. REFER TO SECTION 2/A-211.
6. MAINTAIN ALIGNMENT OF NEW TILE JOINTS WITH EXISTING.
7. PROVIDE FULL ENCLOSURE END PANELS TO MATCH CASEWORK (TYP)
8. PROVIDE ALUMINUM VISITOR SIGNAGE ABOVE INTERCOM PER DETAIL THIS PAGE



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THE SCHOOL DISTRICT OF INDIAN RIVER COUNTY
 OFFICE OF FACILITIES & CONSTRUCTION



SINGLE POINT OF ENTRY RENOVATION

SEBASTIAN ELEMENTARY SCHOOL
 400 SEBASTIAN BLVD.
 SEBASTIAN, FL 32958

Revisions :

Date : 09/19/2018

S+A Project No : 18032

Owner Project No :

Drawn By : PD/WS

Checked By : PD

Phase :

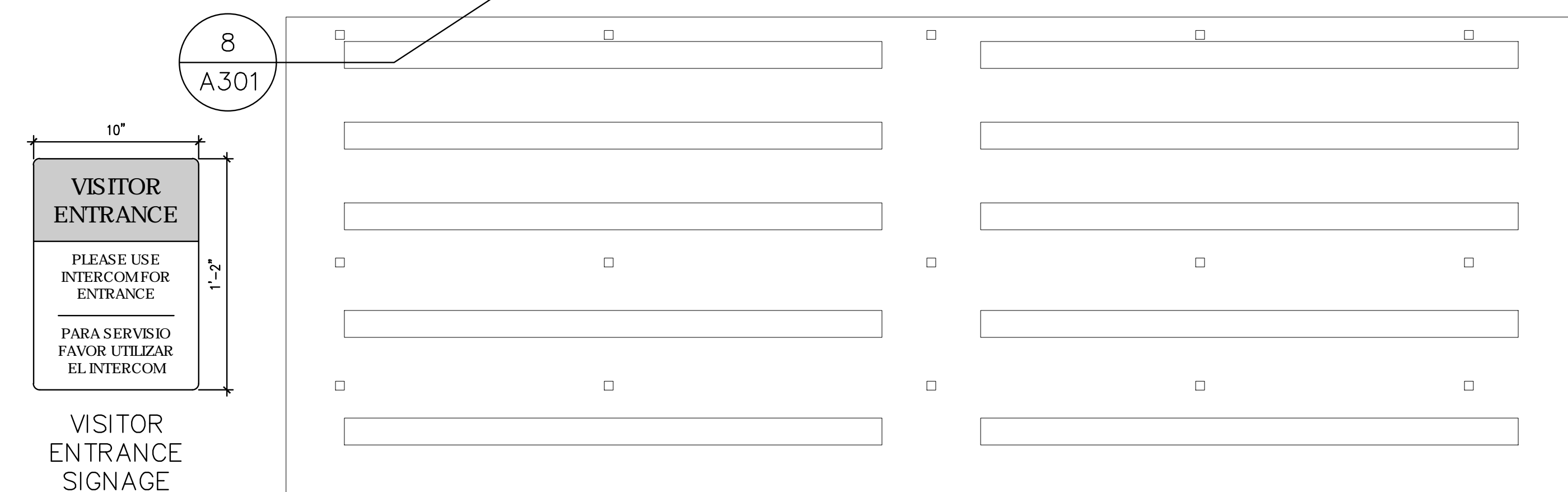
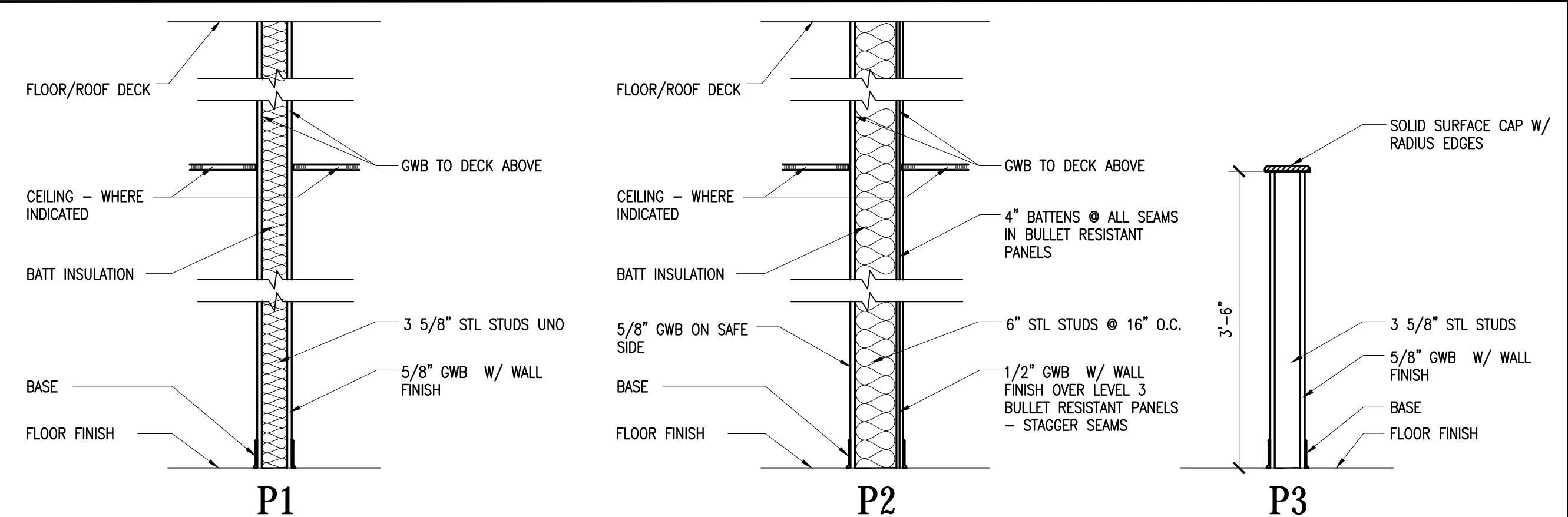
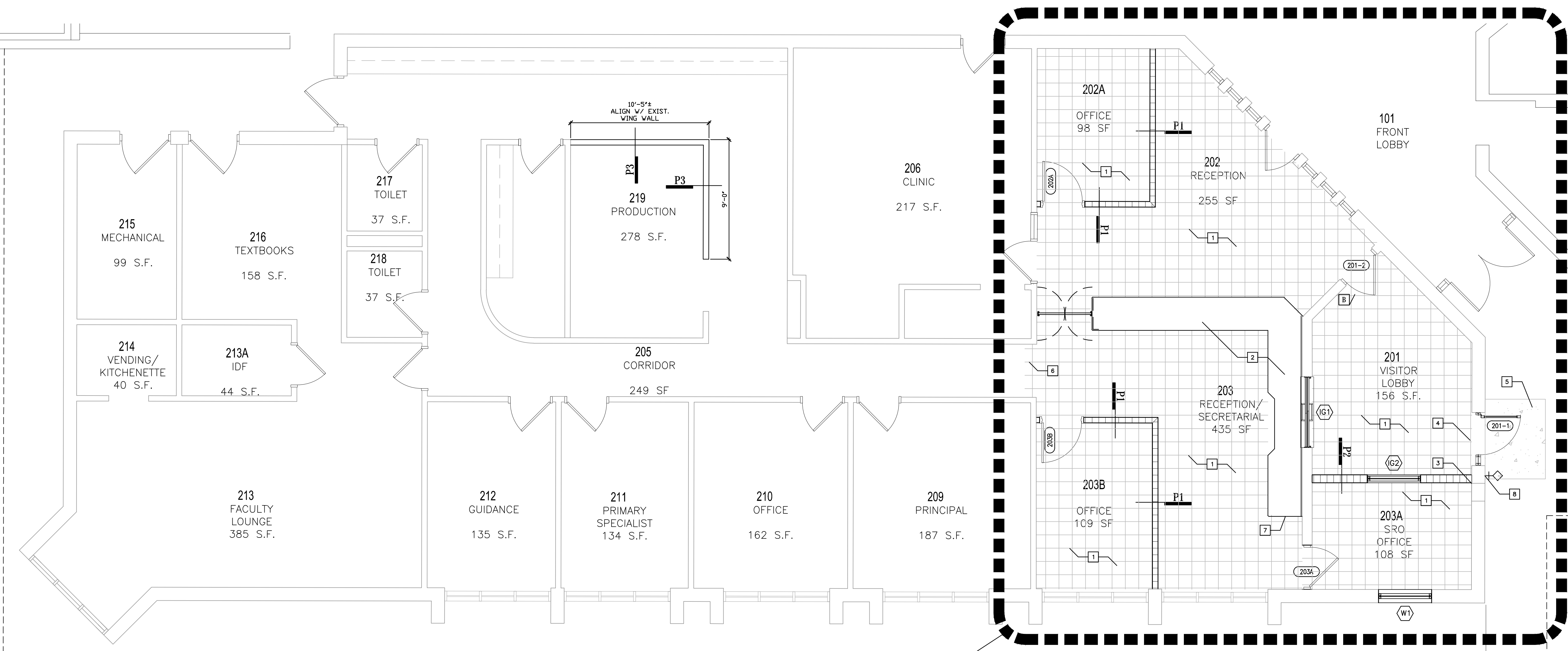
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FLOOR PLAN

Sheet # :

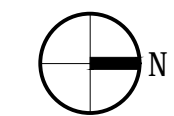
A-101



PARTIAL FLOOR PLAN

01

1/4"=1'-0"



REFLECTED CEILING LEGEND

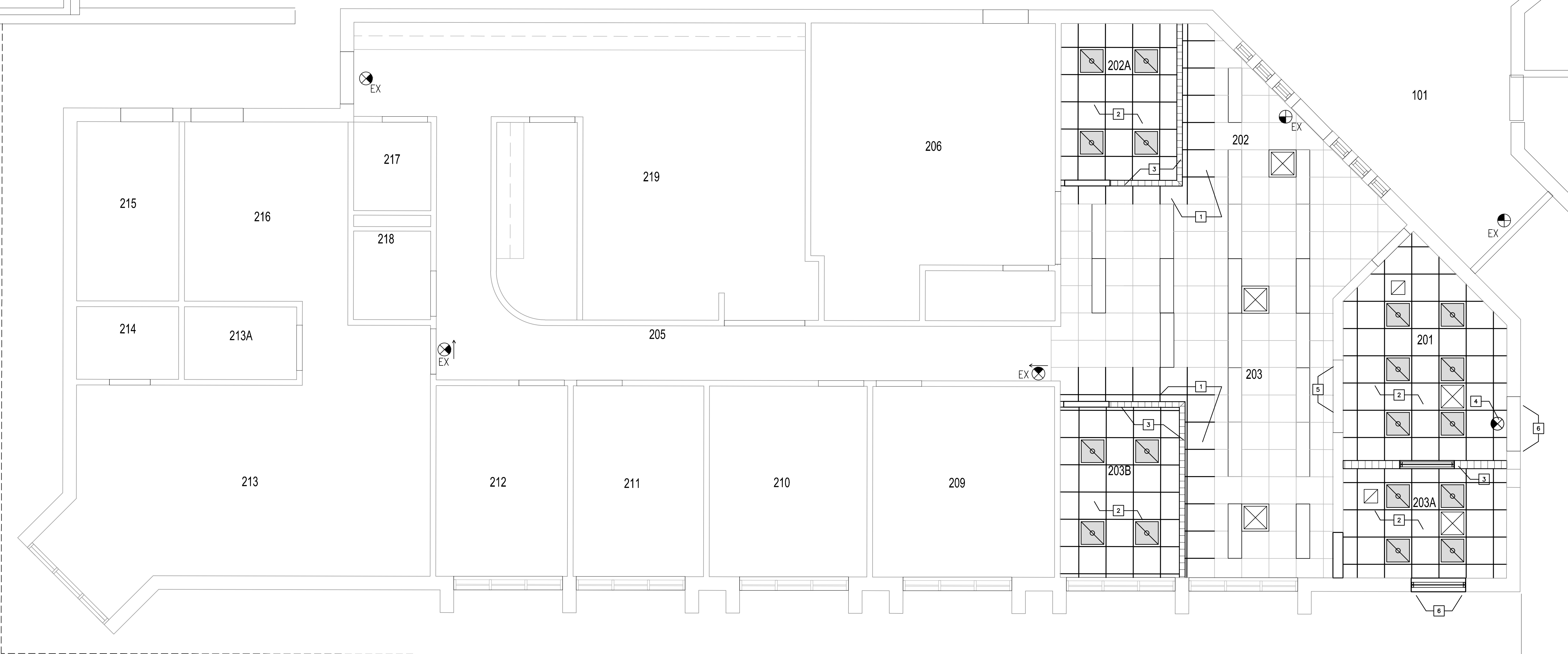
<p>ROOM TAG</p> <p>1-100 X ROOM NUMBER X ROOM NAME X</p> <p>DETAIL TAG</p> <p># SHT DETAIL NUMBER SHEET NUMBER</p> <p>DETAIL SECTION TAG</p> <p>XX/XXX SHEET NUMBER DETAIL NUMBER</p> <p>CEILING HEIGHT TAG</p> <p>0'-0" CEILING HEIGHT (AS MEASURED FROM FINISHED FLOOR)</p> <p>2' X 2' LAY IN ACOUSTICAL CEILING TILE</p> <p>2' X 4' LAY IN ACOUSTICAL CEILING TILE</p> <p>QWB CEILING SOFFIT / BULKHEAD</p> <p>STUCCO CEILING / SOFFIT</p>	<p>EXPOSED STRUCTURE</p> <p>PLASTER/ VENEER PLASTER</p> <p>WASHABLE ACOUSTICAL CEILING TILES</p> <p>2x2 LAY-IN FIXTURE</p> <p>2x2 LAY-IN FIXTURE - EMERGENCY</p> <p>2x4 LAY-IN FIXTURE</p> <p>2x4 LAY-IN FIXTURE - EMERGENCY</p> <p>RECESSED FIXTURE</p> <p>RECESSED FIXTURE - EMERGENCY</p> <p>1X4 SURFACE MOUNTED FIXTURE</p> <p>1X4 SURFACE MOUNTED FIXTURE - EMERGENCY</p> <p>SURFACE MOUNTED FIXTURE</p> <p>SURFACE MOUNTED FIXTURE - EMERGENCY</p> <p>SUSPENDED FIXTURE</p> <p>SUSPENDED FIXTURE - EMERGENCY</p> <p>SUSPENDED PENDANT FIXTURE</p> <p>SUSPENDED PENDANT FIXTURE - EMERGENCY</p>	<p>RETURN AIR GRILLE</p> <p>SUPPLY AIR GRILLE</p> <p>EXHAUST GRILLE</p> <p>SMOKE DETECTOR</p> <p>HEAT DETECTOR</p> <p>SPRINKLER</p> <p>CEILING PROJECTOR</p> <p>SOUND DIFFUSER</p> <p>LIGHTED EXIT SIGN - SINGLE FACED DARKENED AREA INDICATES FACE OF SIGN VIEWED</p> <p>LIGHTED EXIT SIGN - DOUBLE FACED DARKENED AREA INDICATES FACE OF SIGN VIEWED</p> <p>LIGHTED DIRECTIONAL EXIT SIGN - SINGLE FACED ARROW INDICATES DIRECTION(S) TO EXIT</p> <p>LIGHTED DIRECTIONAL EXIT SIGN - DOUBLE FACED ARROW INDICATES DIRECTION(S) TO EXIT</p> <p>EXISTING EXIT SIGN TO REMAIN</p>
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GENERAL NOTES:

- ALL FIXTURES AND DEVICES SHALL BE INSTALLED ON THE CENTERLINE OF CEILING TILE OR SPACE UNLESS OTHERWISE NOTED.
- ALL SOFFITS SHALL ALIGN WITH WALLS OR CORNERS AT ALL LOCATIONS WHERE SOFFITS MEET WALLS OR CORNERS AS TO PROVIDE A FLUSH FINISH.
- TAPE AND FINISH ALL INSIDE JOINTS.
- PROVIDE CORNER BEADS FOR ALL OUTSIDE JOINTS.
- CONTRACTOR TO COORDINATE ALL DISCIPLINES TO ENSURE ALL DUCTWORK, EQUIPMENT, FIXTURES, PIPES, CONDUITS, SUSPENSION AND ACOUSTIC SYSTEMS NECESSARY TO MAINTAIN CEILING ELEVATIONS.
- CONTRACTOR TO COORDINATE ALL DUCT LOCATIONS W. OTHER TRADES. ARCHITECT TO REVIEW AND HAVE FINAL APPROVAL FOR ALL EXPOSED CEILING SURFACES.
- ALL EXTERIOR STUCCO CEILING FRAMING TO BE PROVIDED IN SHOP DRAWINGS BY SPECIFIED STRUCTURAL ENGINEER.

CODED NOTES:

- INSERT NEW GRID MATCHING EXISTING TO EXTEND TO NEW WALLS. PROVIDE EDGE ANGLE ALONG FACE OF WALL.
- PROVIDE NEW ACT AND GRID SYSTEM THROUGHOUT THIS AREA.
- NEW WALLS TO EXTEND TO DECK ABOVE.
- NEW ILLUMINATED EXIT SIGNAGE.
- PATCH/REPAIR ANY CEILING DAMAGED DURING INSTALLATION OF NEW TRANSACTION WINDOW.
- PATCH/REPAIR ANY EXTERIOR STUCCO SOFFIT DAMAGED DURING INSTALLATION OF NEW OPENING.



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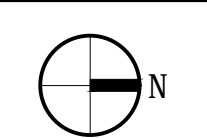
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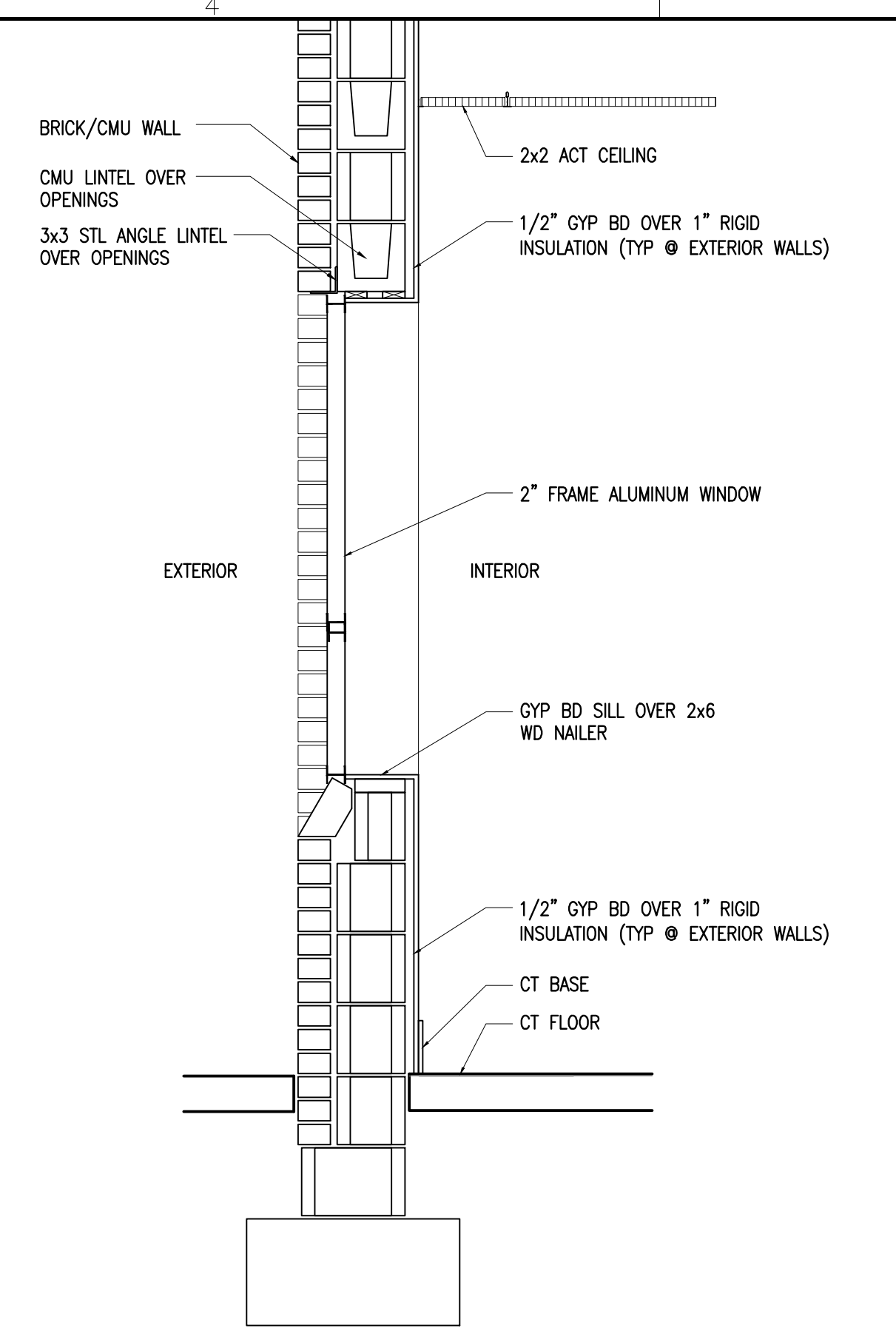
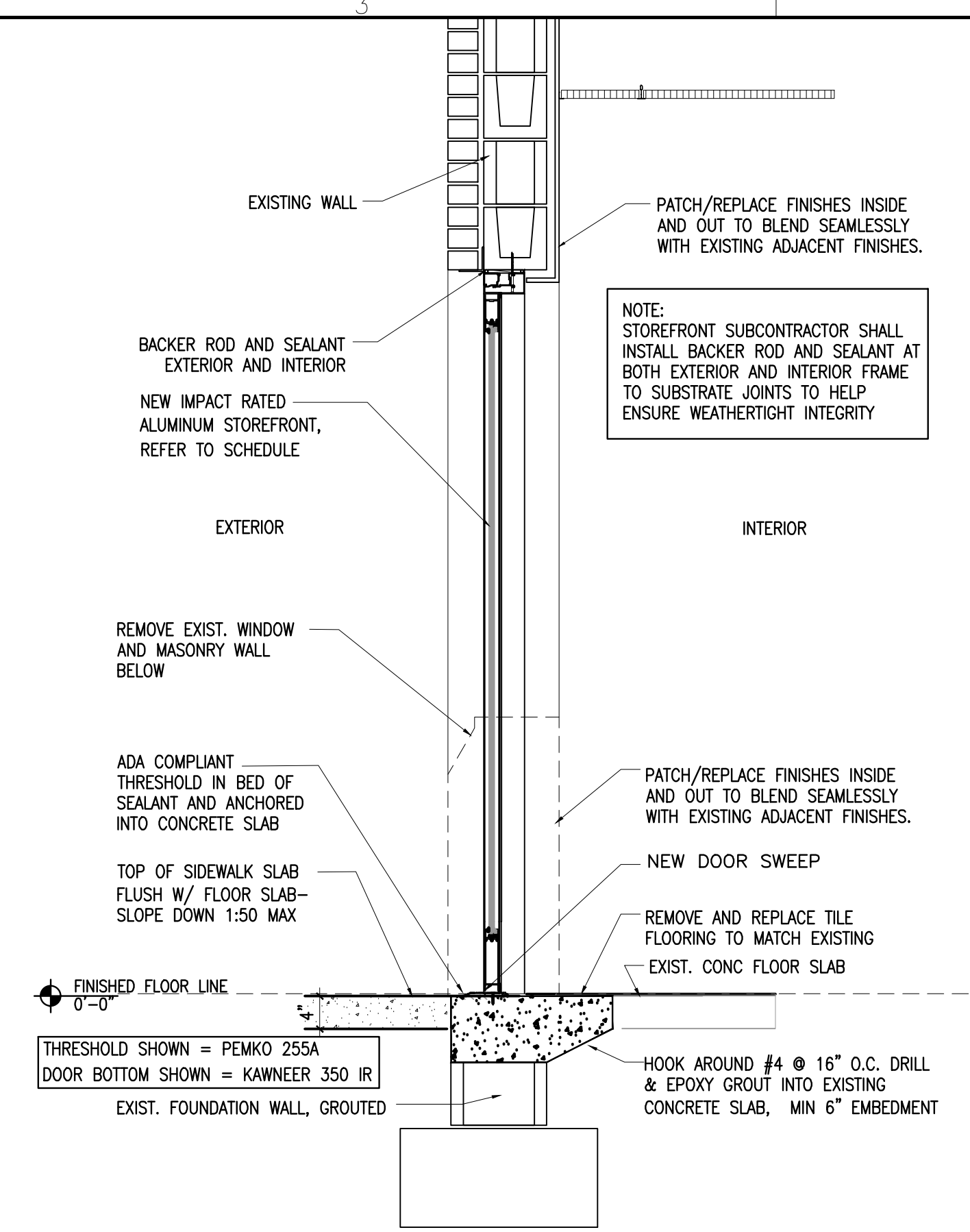
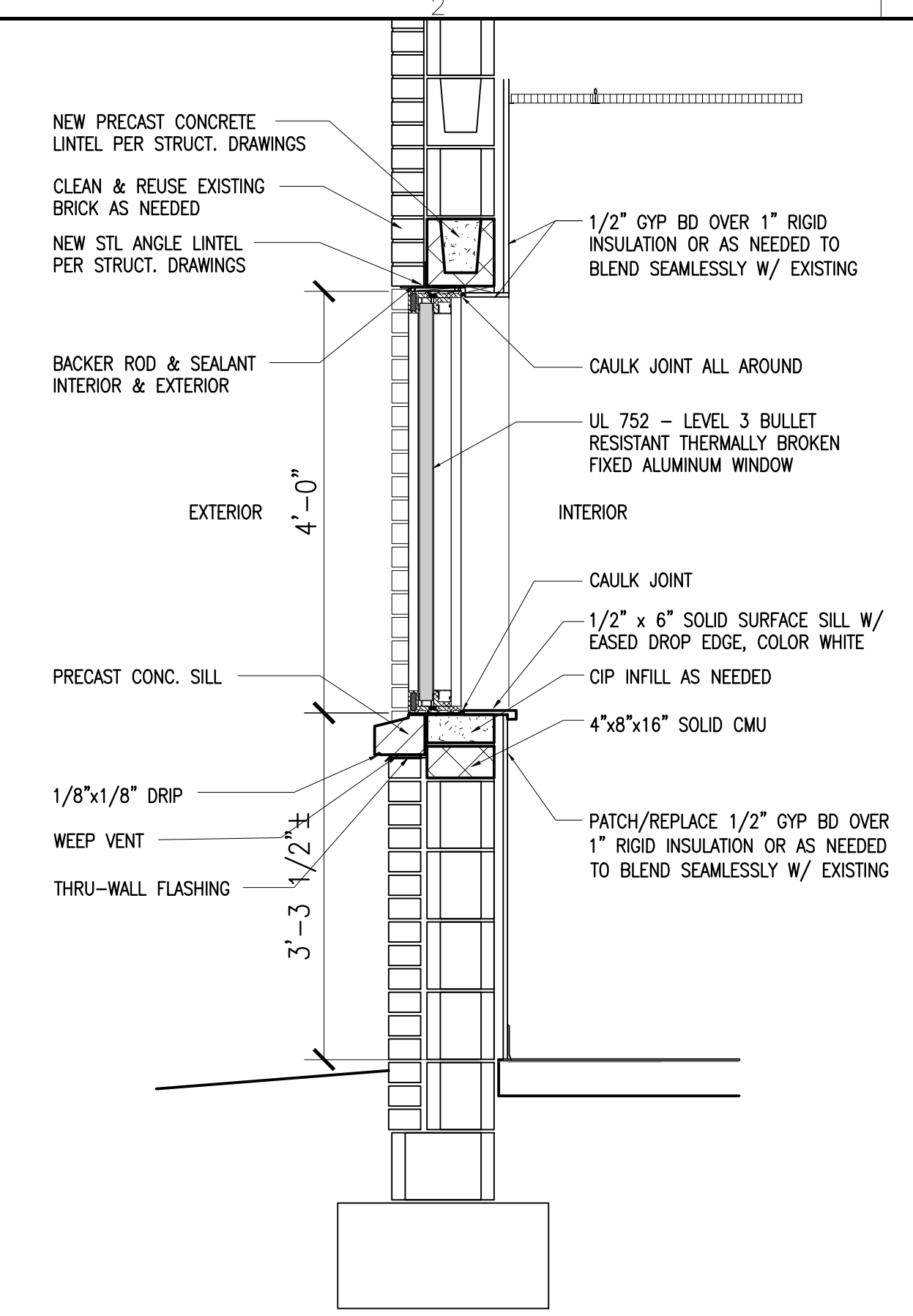
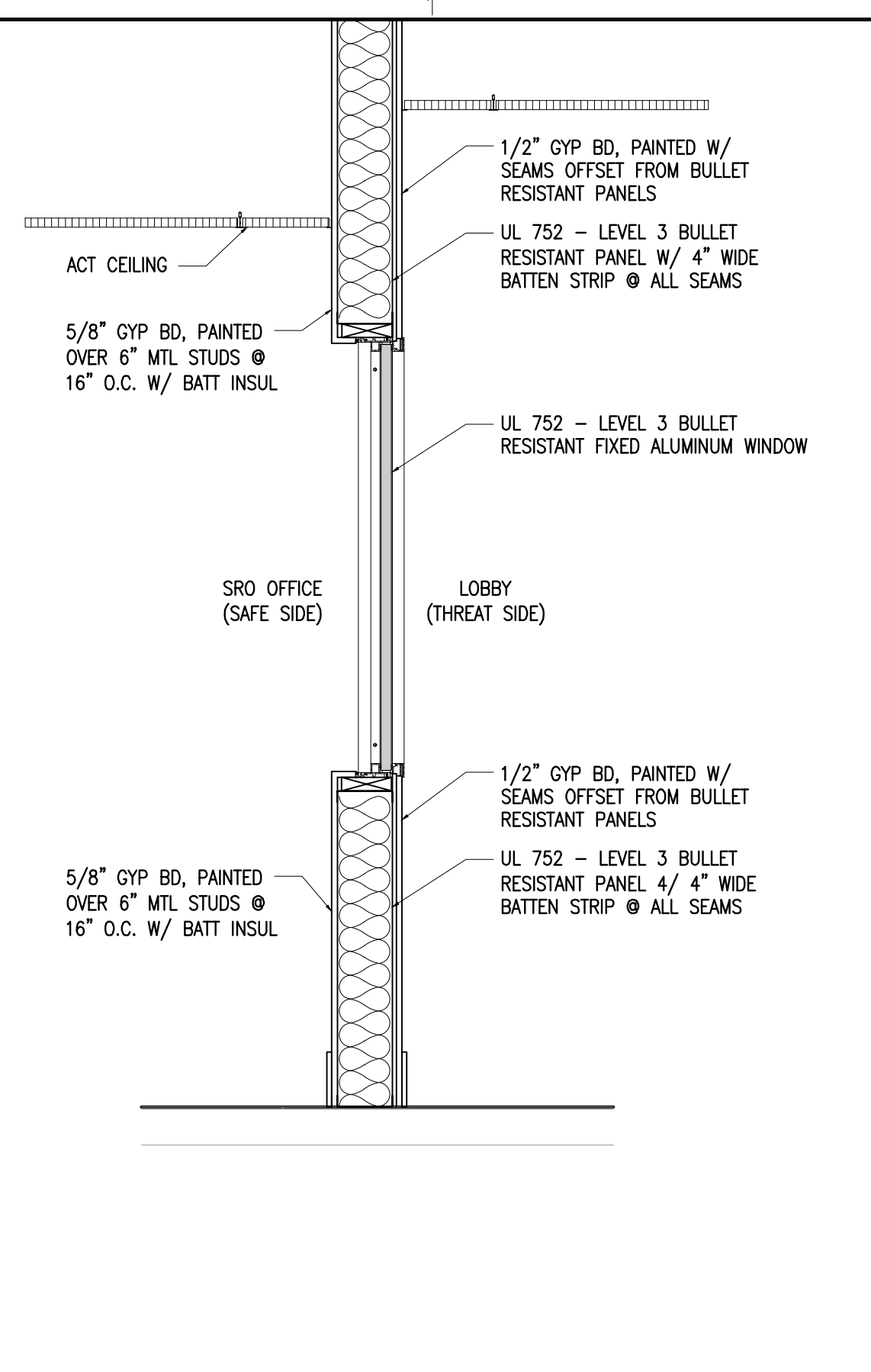
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PARTIAL FLOOR PLAN

01

1/4"=1'-0"





CASEWORK GENERAL NOTES

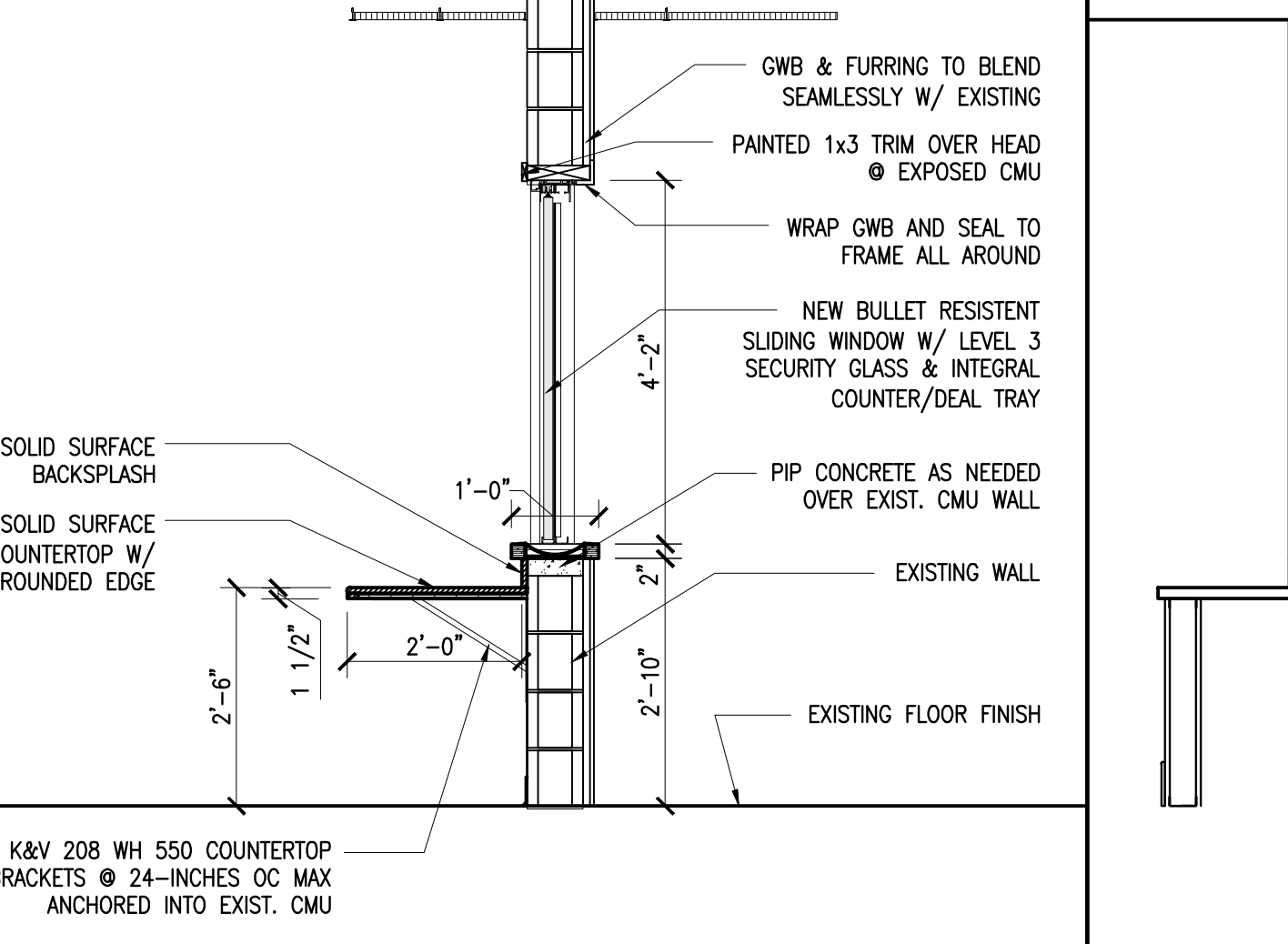
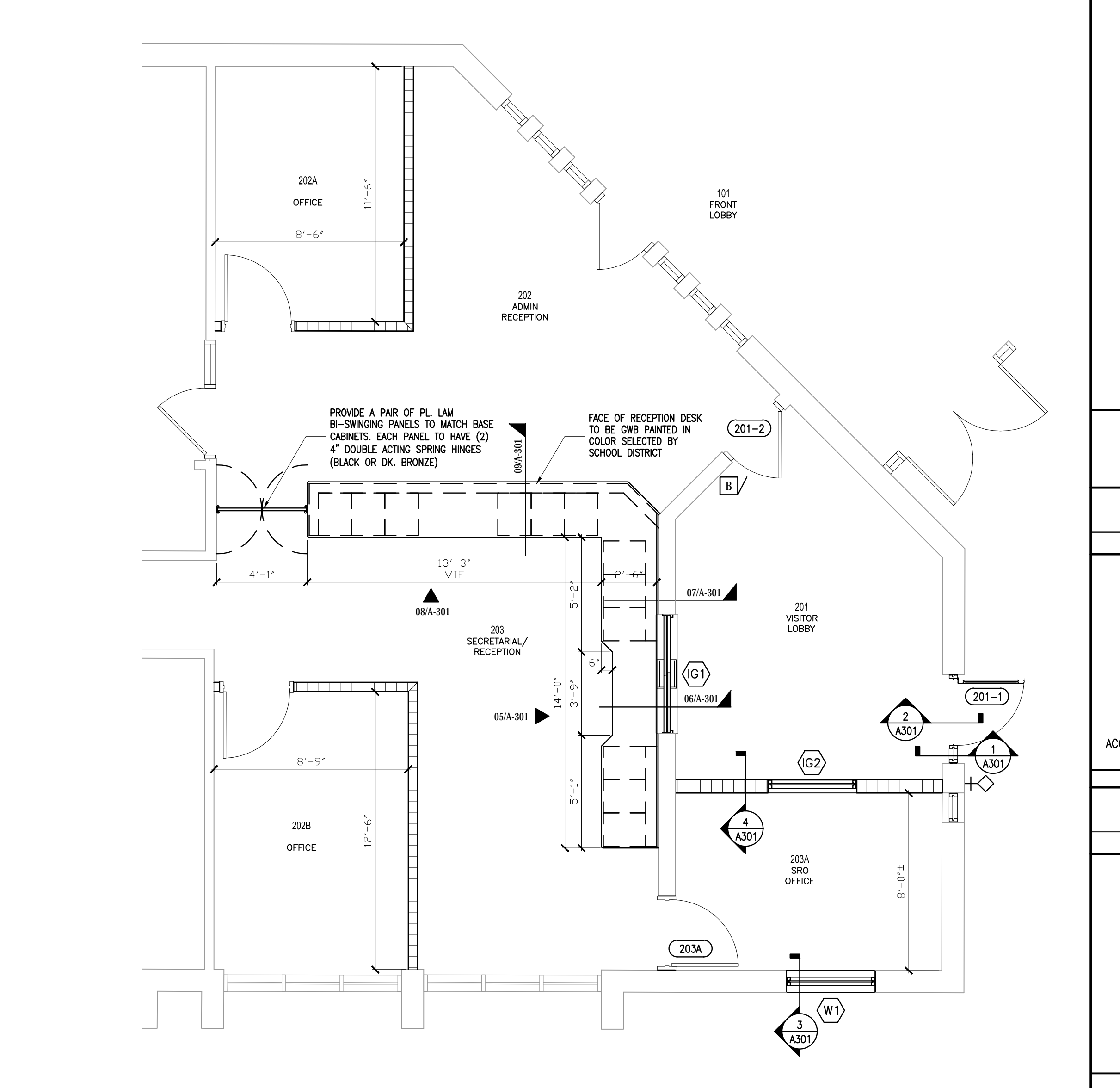
- SOLID SURFACE BASIS OF DESIGN: CORIAN BY DUPONT. COLOR: GLACIER WHITE
- CABINET DOORS AND DRAWERS TO BE SLAB STYLE PROFILE TO MATCH EXISTING. GC TO PROVIDE COLOR SAMPLES FROM PRODUCT LINE SELECTED FOR OWNER TO SELECT.
- PULLS: SOLID ALUMINUM OR STAINLESS-STEEL WIRE PULLS, FASTENED FROM BACK WITH TWO SCREWS. FOR SLIDING DOORS, PROVIDE RECESSED STAINLESS STEEL FLUSH PULLS. PROVIDE TWO PULLS FOR DRAWERS MORE THAN 24 INCHES WIDE. PULL DESIGN SHALL COMPLY WITH AMERICANS WITH DISABILITY ACT (ADA).
- PULLS: SOLID ALUMINUM OR STAINLESS-STEEL WIRE PULLS, FASTENED FROM BACK WITH TWO SCREWS. FOR SLIDING DOORS, PROVIDE RECESSED STAINLESS STEEL FLUSH PULLS. PROVIDE TWO PULLS FOR DRAWERS MORE THAN 24 INCHES WIDE. PULL DESIGN SHALL COMPLY WITH AMERICANS WITH DISABILITY ACT (ADA).
- CONCEALED HINGES: BLUM 120 W/ PLATE CLIP-ON SELF CLOSING
- DRAWER SLIDES: KV 100LB CAPACITY FULL EXTENSION

WALL SECTION 04
INTERIOR WALL/WINDOW @ SRO OFFICE
3/4"=1'-0"

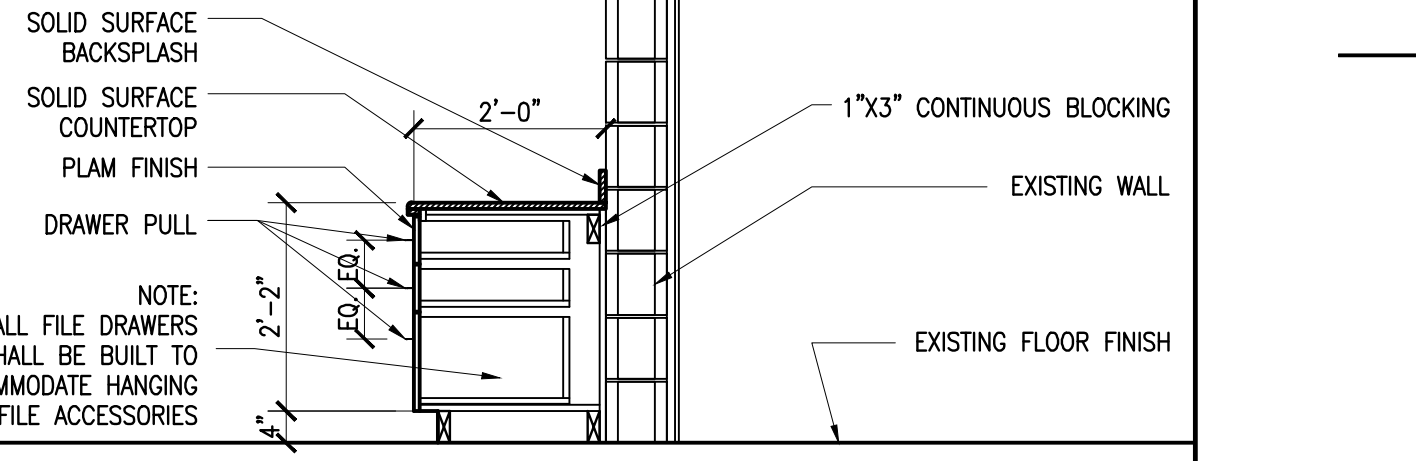
WALL SECTION 03
EXTERIOR WINDOW @ SRO OFFICE
3/4"=1'-0"

WALL SECTION 02
NEW ALUMINUM ENTRANCE DOOR
3/4"=1'-0"

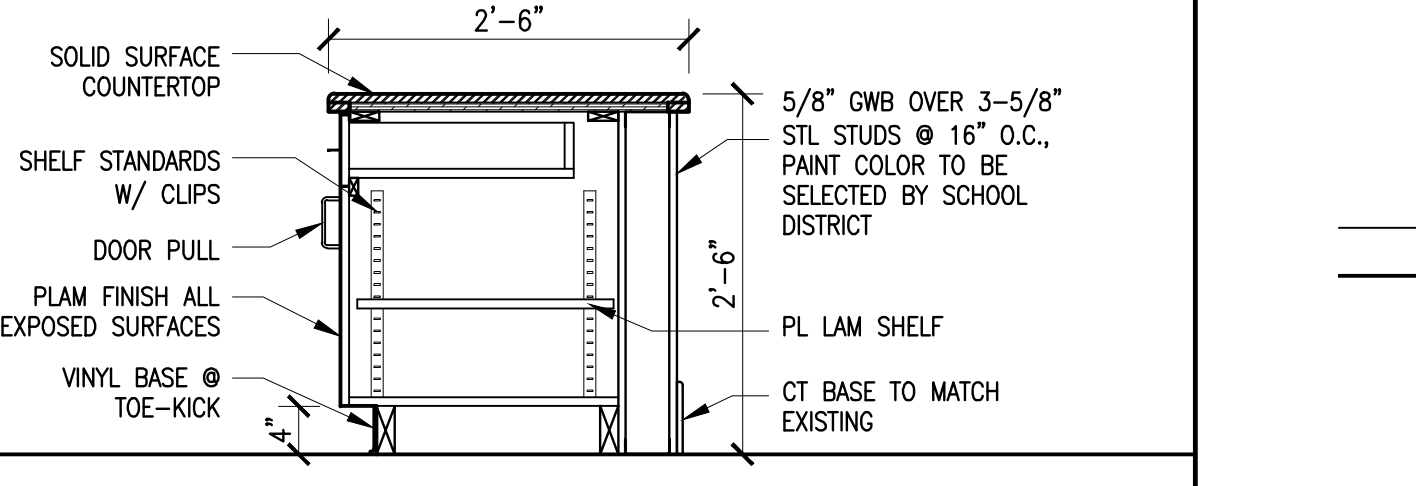
EXISTING WALL SECTION 01
FOR REFERENCE
3/4"=1'-0"



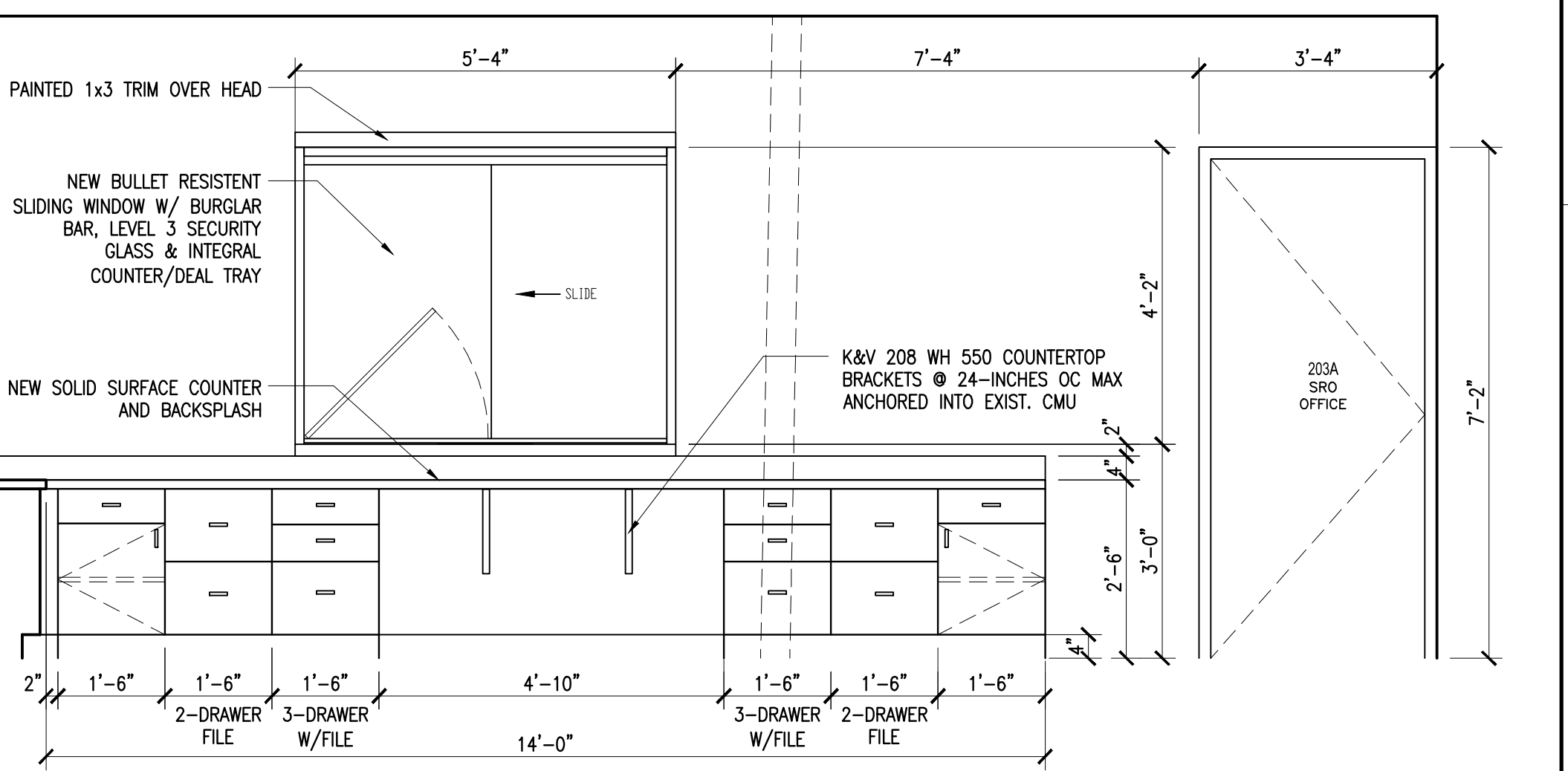
CASEWORK SECTION 06
1/2"=1'-0"



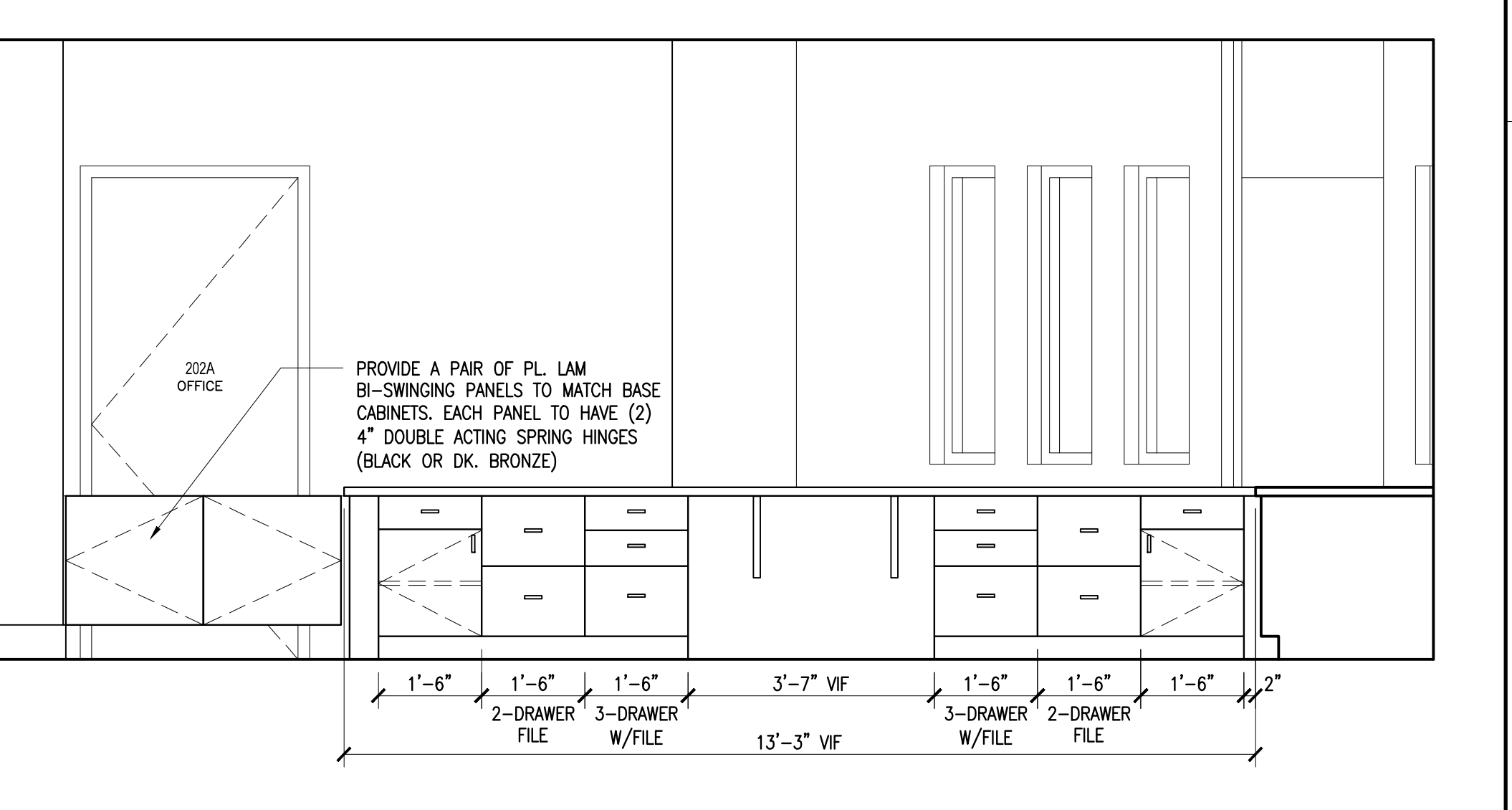
CASEWORK SECTION 07
1/2"=1'-0"



CASEWORK SECTION 09
3/4"=1'-0"



CASEWORK ELEVATION 05
1/2"=1'-0"



CASEWORK ELEVATION 08
1/2"=1'-0"

ANNOTATED PLAN 10
1/4"=1'-0"

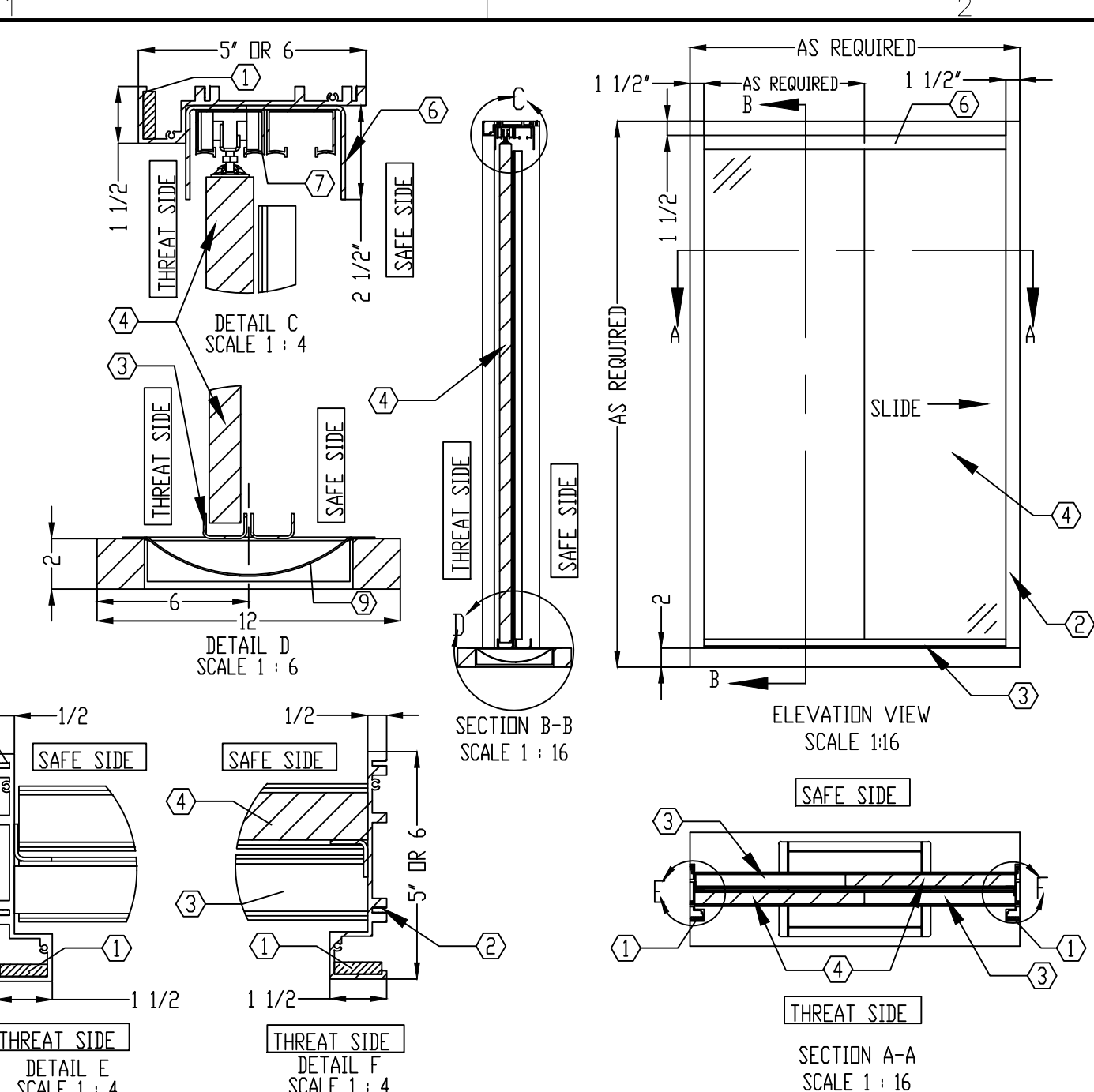
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Revisions:
Date: 09/19/2018
S+A Project No.: 18032
Owner Project No.:
Drawn By: PD/WS
Checked By: PD
Phase: CONSTRUCTION DOCUMENTS
Sheet Title: WALL SECTIONS AND DETAILS
Sheet #: A-301

NOTES:

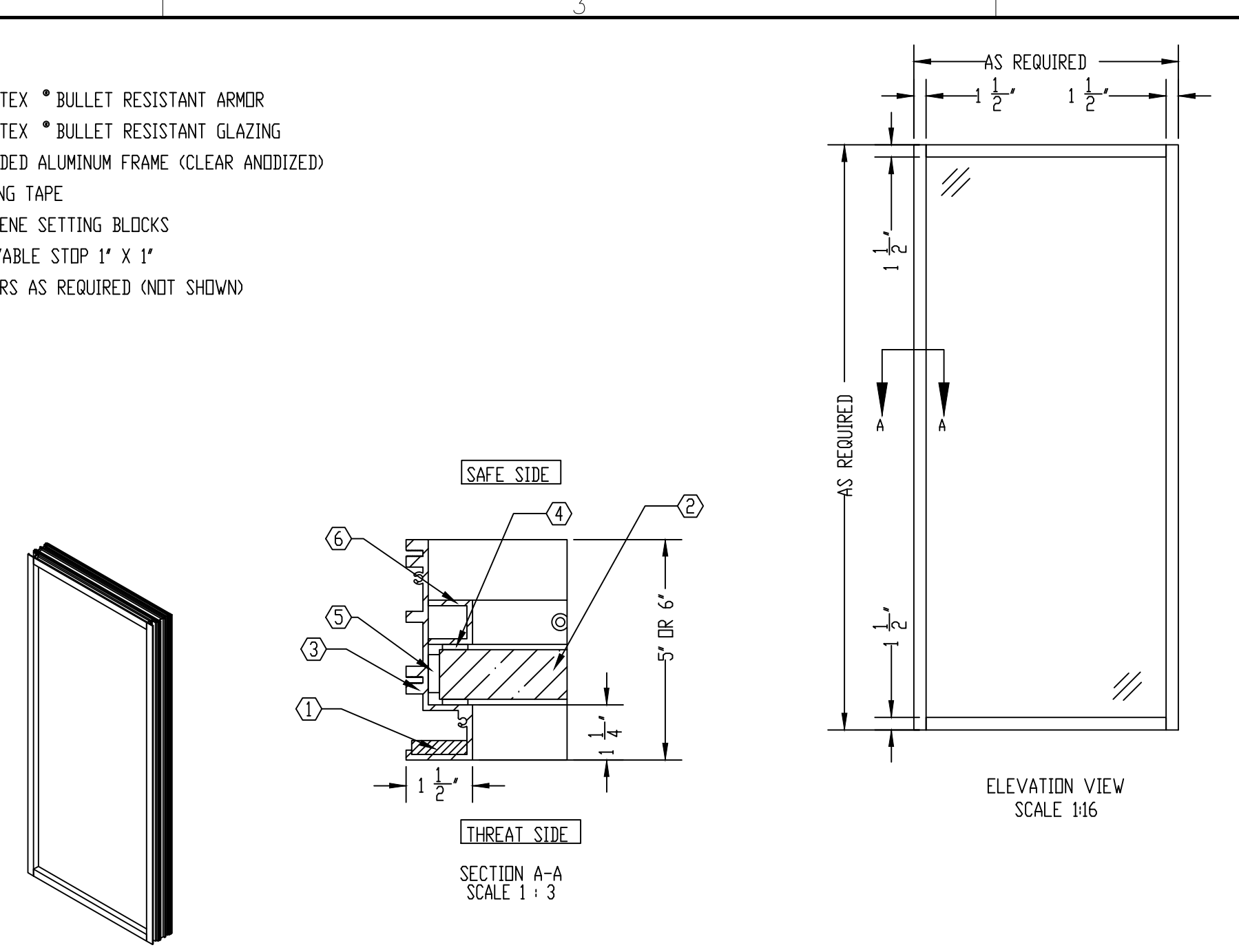
- ① ARMORTEX * BULLET RESISTANT ARMOR
- ② EXTRUDED ALUMINUM FRAME (CLEAR ANODIZED)
- ③ STAINLESS STEEL TRACK
- ④ ARMORTEX * BULLET RESISTANT GLAZING
- ⑤ 1/4" Ø QUICK RELEASE PIN W/ NYLON COATED CABLE (NOT SHOWN)
- ⑥ DOUBLE STAINLESS STEEL ROLLER GUARD
- ⑦ ROLLER TRACK
- ⑧ HANDPULL (NOT SHOWN)
- ⑨ STAINLESS STEEL DEAL TRAY
- ⑩ HIGH PRESSURE LAMINATED BLACK PLASTIC SHELF (STAINLESS STEEL OPTIONAL)
- ⑪ ANCHORS AS REQUIRED (NOT SHOWN)



SCALE: AS NOTED	TITLE: TRANSACTION WINDOW ALUMINUM SLIDING	UNLESS OTHERWISE SPECIFIED:	ARMORTEX
DATE: 06-24-2015	MODEL: W1-TW-AL-SW	ENGINEERING: SEE IN NOTES	BULLET * BLAST * FORCED ENTRY * PROTECTION PRODUCTS
DRAWN BY: M. FREEMAN	SHEET NUMBER: 1 OF 1	5926 CORRIDOR PKWY. SCHERTZ, TX 78054	5926 CORRIDOR PKWY. SCHERTZ, TX 78054

NOTES:

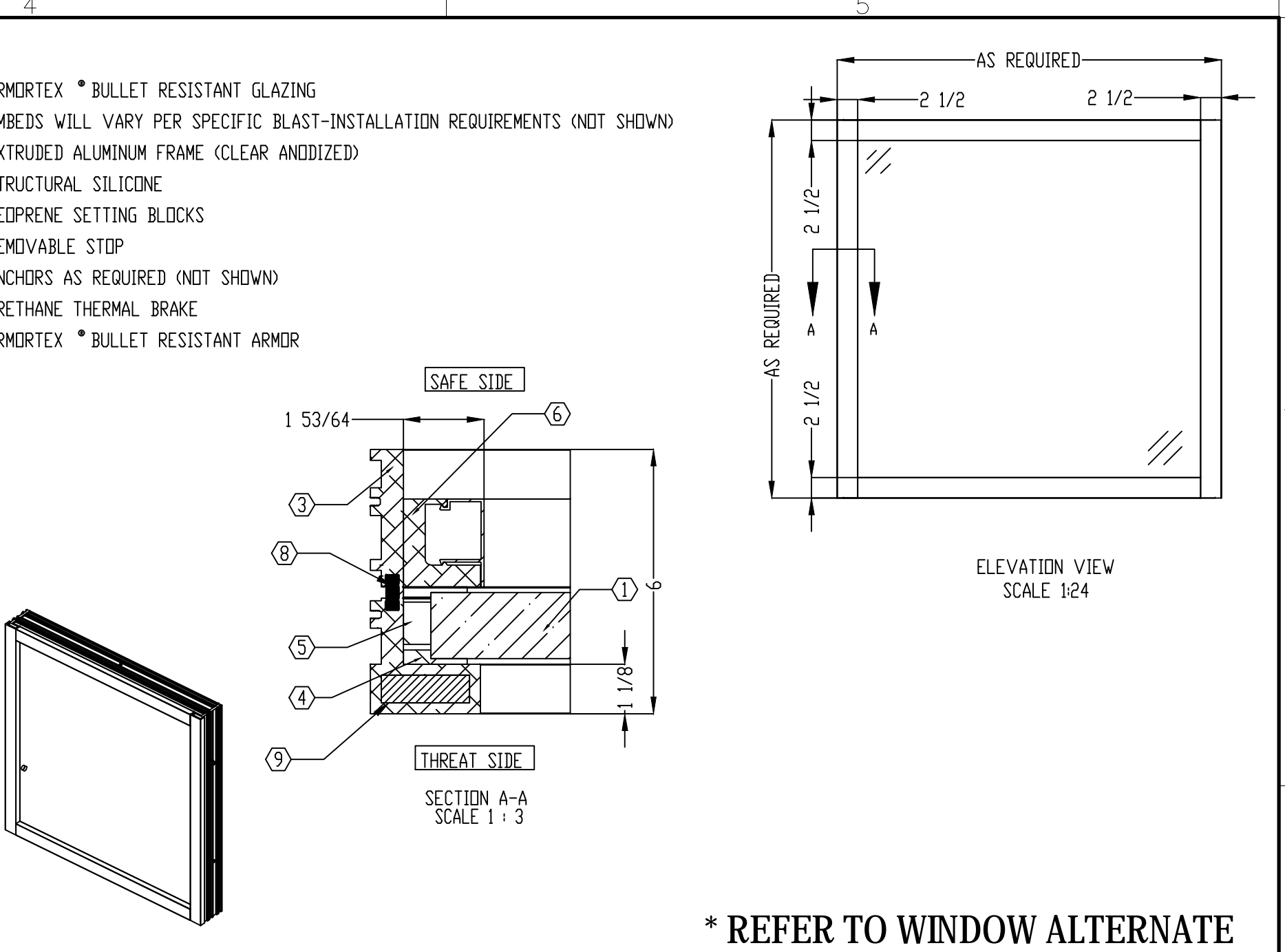
- ① ARMORTEX * BULLET RESISTANT ARMOR
- ② ARMORTEX * BULLET RESISTANT GLAZING
- ③ EXTRUDED ALUMINUM FRAME (CLEAR ANODIZED)
- ④ GLAZING TAPE
- ⑤ NEOPRENE SETTING BLOCKS
- ⑥ REMOVABLE STOP 1" x 1"
- ⑦ ANCHORS AS REQUIRED (NOT SHOWN)



SCALE: AS NOTED	TITLE: FIXED WINDOW ALUMINUM	UNLESS OTHERWISE SPECIFIED:	ARMORTEX
DATE: 06-18-2015	MODEL: W1-FW-AL-RS	ENGINEERING: SEE IN NOTES	BULLET * BLAST * FORCED ENTRY * PROTECTION PRODUCTS
DRAWN BY: M. FREEMAN	SHEET NUMBER: 1 OF 1	5926 CORRIDOR PKWY. SCHERTZ, TX 78054	5926 CORRIDOR PKWY. SCHERTZ, TX 78054

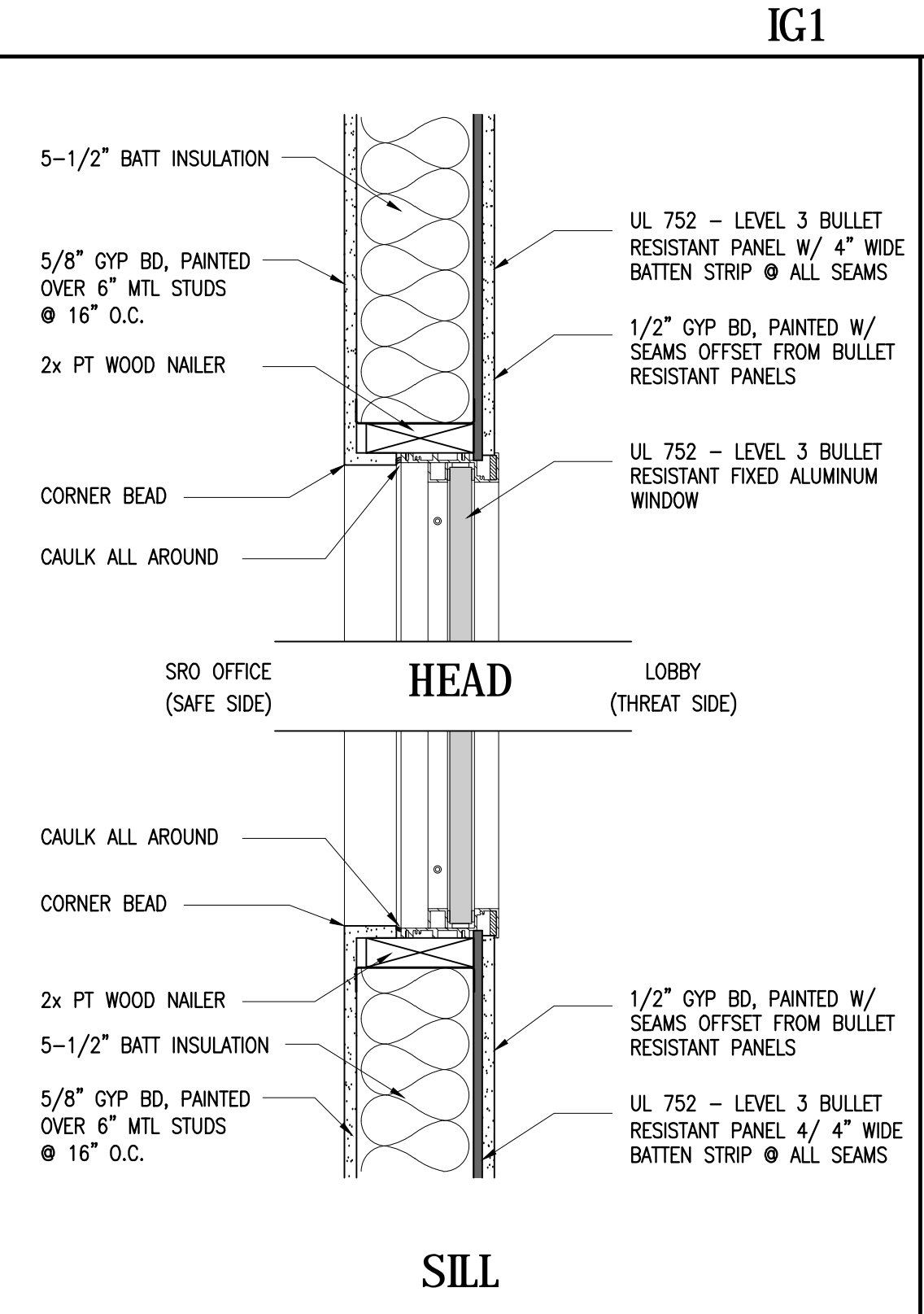
NOTES:

- ① ARMORTEX * BULLET RESISTANT GLAZING
- ② EMBEDS WILL VARY PER SPECIFIC BLAST-INSTALLATION REQUIREMENTS (NOT SHOWN)
- ③ EXTRUDED ALUMINUM FRAME (CLEAR ANODIZED)
- ④ STRUCTURAL SILICONE
- ⑤ NEOPRENE SETTING BLOCKS
- ⑥ REMOVABLE STOP
- ⑦ ANCHORS AS REQUIRED (NOT SHOWN)
- ⑧ URETHANE THERMAL BRAKE
- ⑨ ARMORTEX * BULLET RESISTANT ARMOR

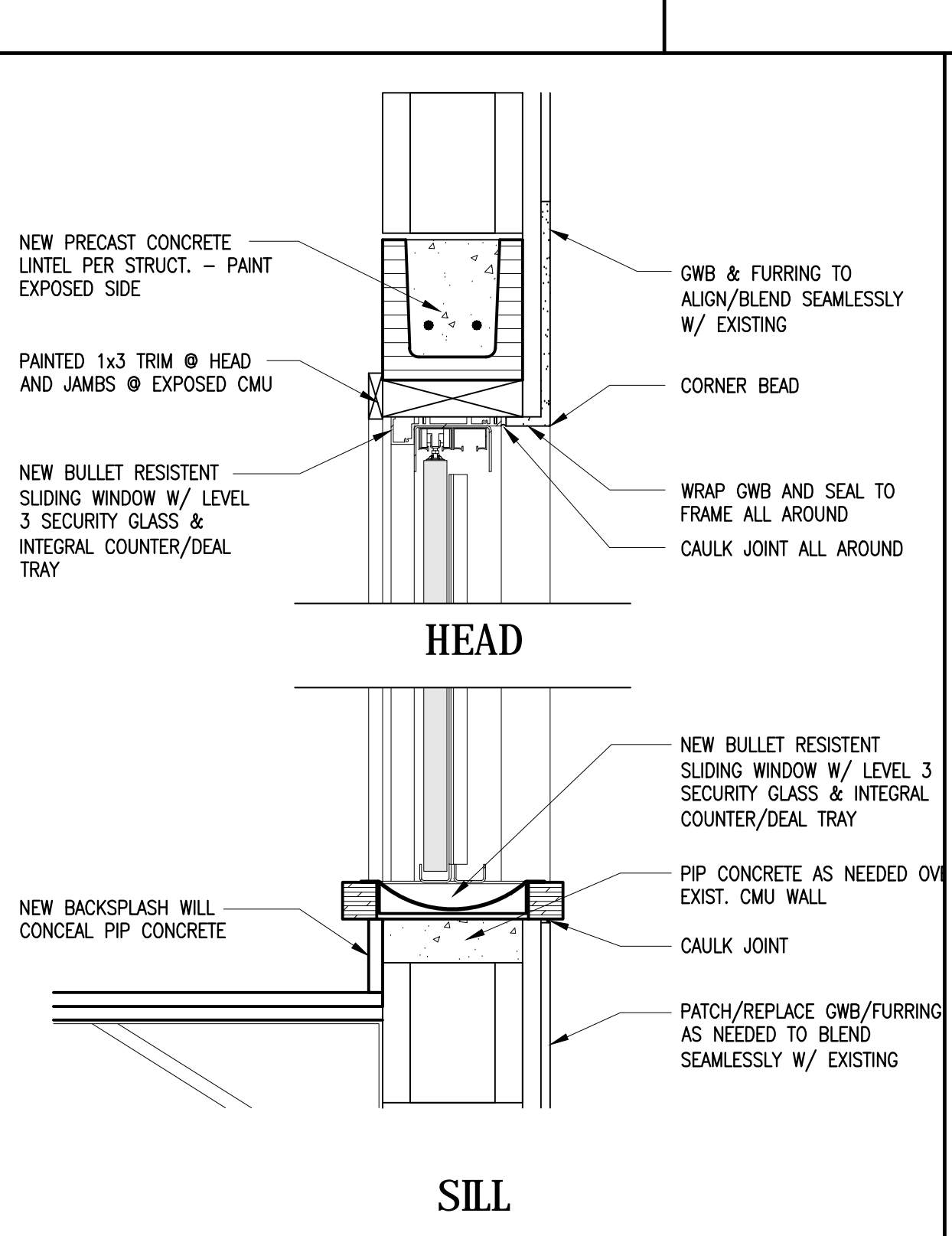


SCALE: AS NOTED	TITLE: FIXED WINDOW THERMALLY BROKEN	UNLESS OTHERWISE SPECIFIED:	ARMORTEX
DATE: 06-22-2015	MODEL: W1-FW-AL-TB	ENGINEERING: SEE IN NOTES	BULLET * BLAST * FORCED ENTRY * PROTECTION PRODUCTS
DRAWN BY: M. FREEMAN	SHEET NUMBER: 1 OF 1	5926 CORRIDOR PKWY. SCHERTZ, TX 78054	5926 CORRIDOR PKWY. SCHERTZ, TX 78054

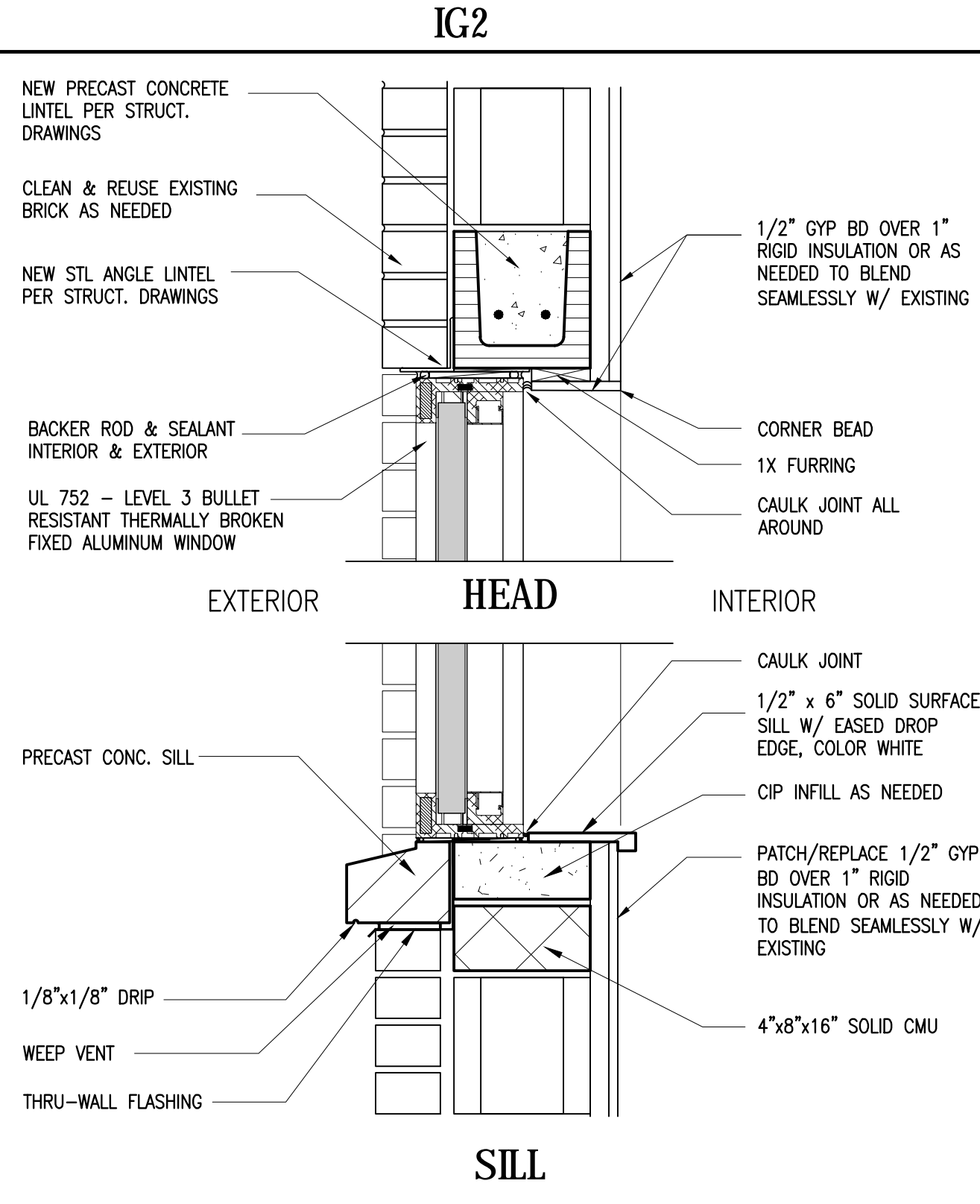
* REFER TO WINDOW ALTERNATE



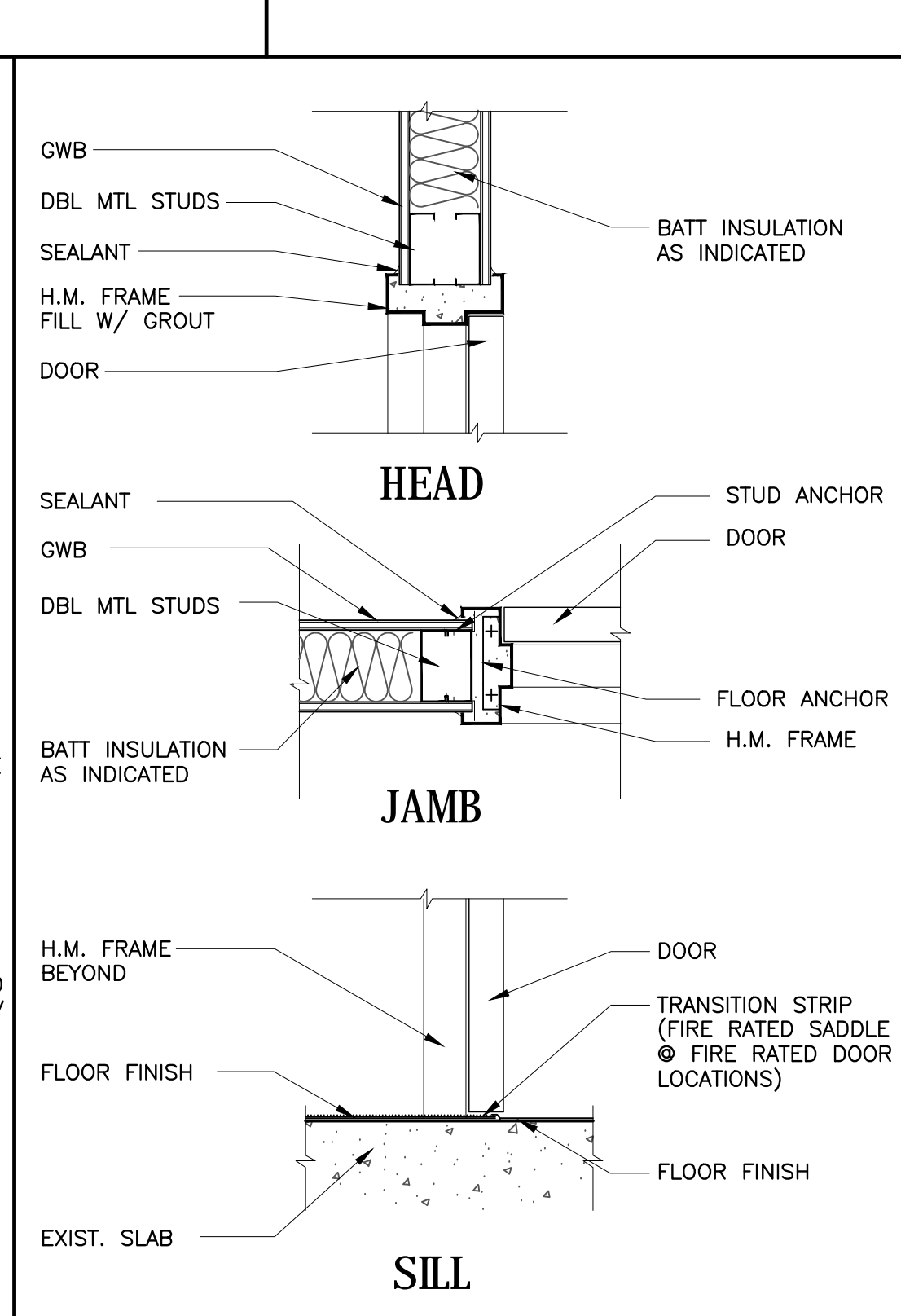
IG1 INTERIOR WINDOW DETAILS 05
SRO OFFICE - WINDOW TYPE IG2
1-1/2"=1'-0"



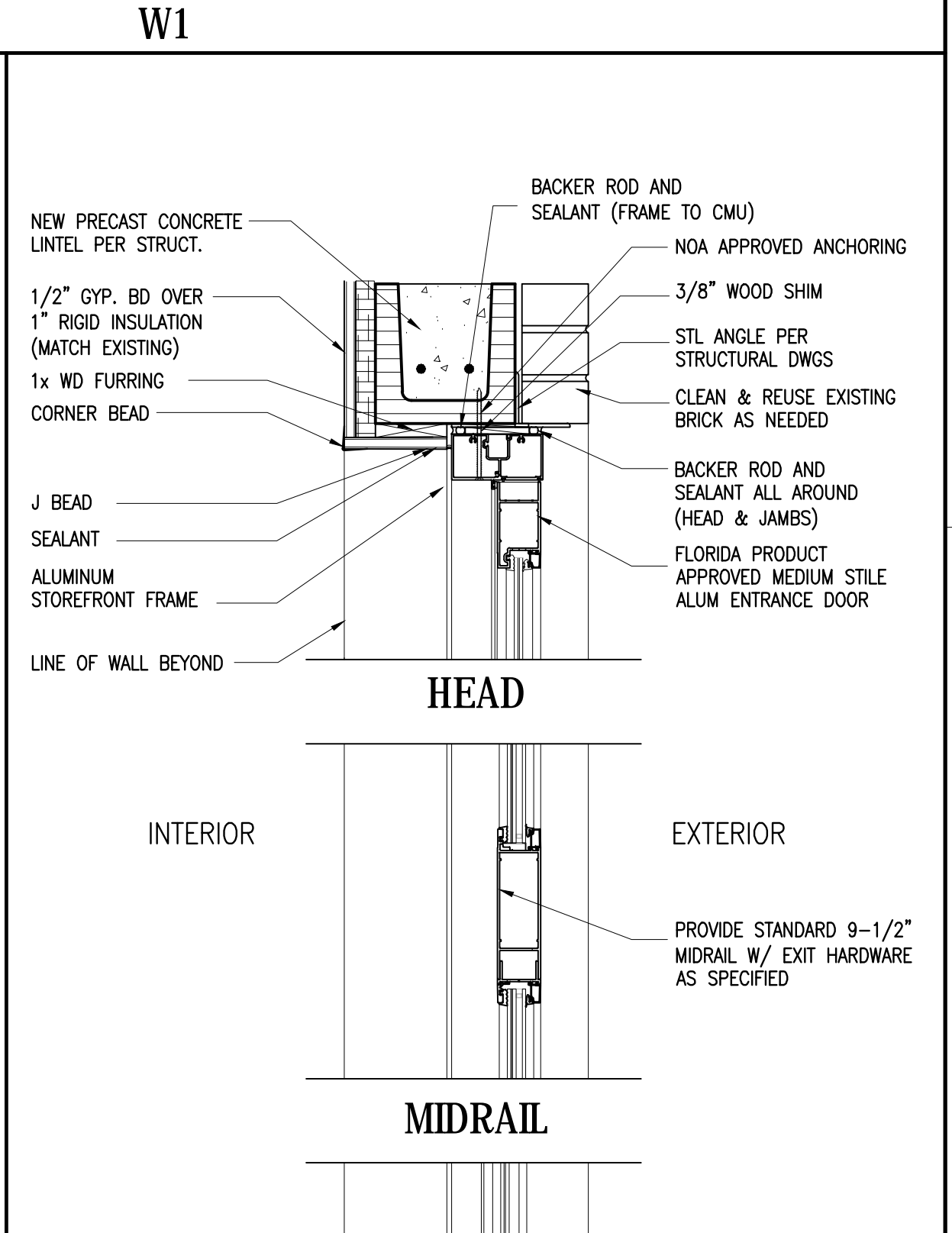
TRANSACTION WINDOW DETAILS 04
WINDOW TYPE IG1
1-1/2"=1'-0"



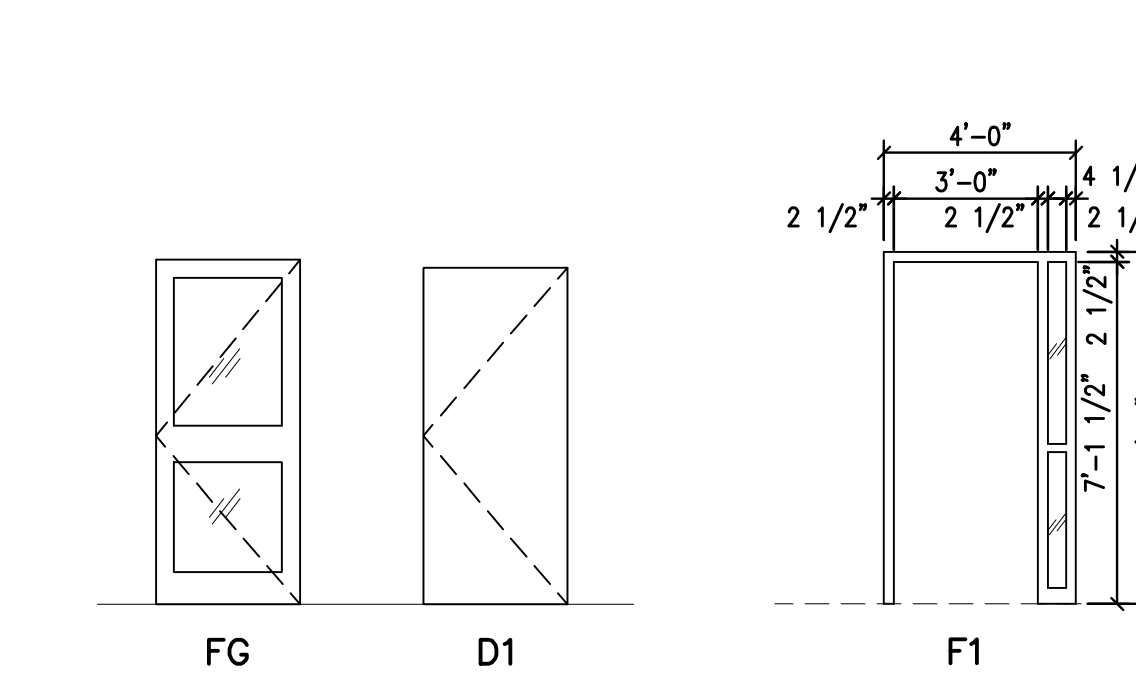
IG2 EXTERIOR WINDOW DETAILS 03
SRO OFFICE - WINDOW TYPE W1
1-1/2"=1'-0"



W1 HM DOOR FRAME DETAILS 02
SRO OFFICE - WINDOW TYPE W1
1-1/2"=1'-0"



W1 ALUMINUM ENTRANCE DETAILS 01
SRO OFFICE - WINDOW TYPE W1
1-1/2"=1'-0"



DOOR & WINDOW SCHEDULE									
DOOR	SIZE	DOORS	FRAMES	DETAILS	FIRE RATING	HWDR GROUP	GLAZING	STC RATING	REMARKS
		MAT	TYPE	HEAD	JAMB	SILL			
201-1	3070	AL	FC						REFER TO SECTION DETAILS 01/A-212
201-2	3070	EXST	EXST						1, 2, 3, 4
202A	3070	WD	D1						REFER TO SECTION DETAILS 02/A-212
202B	3070	WD	D1						03
202C	3070	WD	D1						03
203B	3070	EXST	EXST						03

WINDOW ALTERNATE	
ALT. A-1: FOR WINDOW TYPE W1, PROVIDE PRICING TO PROVIDE CLEAR ANODIZED THERMALLY BROKEN ALUMINUM FRAME WINDOW, YKK AP SERIES YCW 700 OR APPROVED EQUIVALENT, WITH LARGE MISSILE IMPACT RESISTANT GLAZING IN LIEU OF BULLET RESISTANT SYSTEM SPECIFIED.	
GLAZING:	
1. THICKNESS: 0.060" (MINIMUM), BUT NOT LESS THAN REQUIRED TO MEET IMPACT REQUIREMENTS.	
2. CLEAR INTERLAYER BETWEEN TWO 1/4" HEAT-STRENGTHENED GLASS, CLEAR INBOARD, CLEAR OUTBOARD.	

HARDWARE SCHEDULE			
Hardware Group No. 01	For use on mark/door #s:	201-1	
Qty	Description	Catalog Number	Finish Mfr
3EA	HW HINGE	3CB1HW 4.5 X 4.5 NRP	630 IVE
1EA	POWER TRANSFER	EP110 CON	689 VON
1EA	ELEC. PANIC HARDWARE	QEL-98-NL-COON	626 VON
1EA	MORTISE CYLINDER	1000	626 C-R
1EA	RM CYLINDER	3000	626 C-R
1EA	SURF. AUTO OPERATOR	9542 LONG2 MS	626 LON
1EA	KEYSWITCH	8310-806K	626 LON
2EA	ACTUATOR, WALL MOUNT	8310-856	630 ZER
1EA	THRESHOLD	65A-MSLA-10	A
1EA	WIRE HARNESS	CON-12P	VON
1EA	WIRE HARNESS	CON-6P	VON
1EA	PUSHBUTTON	621AL	629 SCE
1EA	POWER SUPPLY	PS904 900-4RL	629 VON
Verify Door Hardware to be supplied by Aluminum Door Supplier 084100 verify door function before installation - wiring diagram by hardware supplier			
Hardware Group No. 02	For use on mark/door #s:	201-2	
Qty	Description	Catalog Number	Finish Mfr
3EA	HINGE	3CB1 4.5 X 4.5	630 IVE
1EA	CLASSROOM	CL3352 NZD	626 C-R
1EA	SURFACE CLOSER	4040XP	689 LON
1EA	KICK PLATE	8400 10" X 2" LDW B-CS	630 IVE
1EA	WALL STOP	WS406/407CCV	630 IVE
3EA	SILENCER	SR64	626 GRY
Hardware Group No. 03	For use on mark/door #s:	202A, 203A, 203B	
Qty	Description	Catalog Number	Finish Mfr
3EA	HINGE	3PB1 4.5 X 4.5	652 IVE
1EA	CLASSROOM	CL3355 NZD	626 C-R
1EA	WALL STOP	WS406/407CCV	630 IVE
3EA	SILENCER	SR64	626 GRY

REMARKS	
1.	1/2" TEMPERED GLASS, IMPACT RESISTANT.
2.	PANIC HARDWARE TO BE PROVIDED
3.	WIRE FOR REMOTE DOOR RELEASE
4.	PROVIDE ALPHONE JO-DVF FLUSH MOUNT VIDEO INTERCOM W/ INTEGRAL ELECTRONIC DOOR LOCK @ 48" AFF. KEYPAD MONITOR TO BE LOCATED AT RECEPTION DESK.
NOTE: EXAMPLE DOOR SIZE DESIGNATION: 3870 = 3'-8" WIDE X 7'-0" HIGH DOOR LEAF SIZE	

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THE SCHOOL DISTRICT OF INDIAN RIVER COUNTY
OFFICE OF FACILITIES & CONSTRUCTION

School District of
Indian River County

SINGLE POINT OF ENTRY RENOVATION

SEBASTIAN ELEMENTARY SCHOOL
400 SEBASTIAN BLVD.
SEBASTIAN, FL 32958

Revisions:

Date: 09/19/2018
S+A Project No.: 18032
Owner Project No.:
Drawn By: PD/WS
Checked By: PD

Phase: CONSTRUCTION DOCUMENTS

Sheet Title: DOOR / WINDOW SCHEDULE AND DETAILS

Sheet #: A-601

SPECIFICATIONS

15010 MECHANICAL REQUIREMENTS:

DO ALL WORK IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES, THE STANDARD BUILDING CODE AND THE REGULATIONS OF THE LOCAL UTILITY COMPANIES. OBTAIN AND PAY FOR ANY AND ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES OF INSPECTIONS.

COOPERATE WITH OTHER TRADES AND CONTRACTORS AT JOB. PERFORM WORK IN SUCH MANNER AND AT SUCH TIMES AS NOT TO DELAY WORK OF OTHER TRADES.

OBTAIN MANUFACTURER'S DATA ON ALL EQUIPMENT, THE DIMENSIONS OF WHICH MAY AFFECT INSTALLATION. USE THIS DATA TO COORDINATE PROPER SERVICE CHARACTERISTICS, ENTRY LOCATIONS, ETC., AND TO INSURE MINIMUM CLEARANCES ARE MAINTAINED.

WORKMAN SHALL BE EXPERIENCED IN THEIR RESPECTIVE TRADE. WORKMANSHIP OF INSTALLED WORK SHALL BE FIRST CLASS AND WILL BE SO JUDGED. SUBSTANDARD WORK SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL AND DOES HEREBY WARRANT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS SECTION TO BE FREE FROM DEFECTS AND TO FUNCTION OR OPERATE SATISFACTORILY FOR ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK AND THAT ANY ITEMS NOT MEETING THIS REQUIREMENT WILL BE MADE GOOD BY HIM WITHOUT ANY COST TO THE OWNER.

PROVIDE ONLY NEW, STANDARD FIRST-GRADE MATERIALS THROUGHOUT, CONFORMING TO STANDARDS ESTABLISHED BY UNDERWRITER LABORATORIES INC., AND SO MARKED AND LABELED, TOGETHER WITH MANUFACTURER'S BRAND OR TRADEMARK. ALL LIKE ITEMS SHALL BE OF ONE MANUFACTURER.

ALL WORK SHALL BE EXECUTED IN A MANNER THAT SHALL PRESENT A NEAT APPEARANCE UPON COMPLETION. CARE SHALL BE EXERCISED THAT ALL ITEMS ARE PLUMB, STRAIGHT AND LEVEL.

UPON COMPLETION OF WORK, ALL SYSTEMS SHALL BE TESTED, AND SHALL BE SHOWN TO BE IN PERFECT WORKING CONDITION IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.

ANY WALLS, CEILING, EQUIPMENT, ETC., DAMAGED BY THE CONTRACTOR IN CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED, RESTORED AND/OR REPLACED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION, OR TO PERFORM ITS INTENDED FUNCTION, AT NO ADDITIONAL COST TO OWNER.

15891 DUCTWORK:

ALL DUCTWORK MATERIALS AND INSTALLATION SHALL CONFORM TO APPLICABLE STATE, COUNTY AND LOCAL CODES. DUCTWORK SHALL BE ALL NEW AND IN GOOD CONDITION.

DUCT DIMENSIONS NOTED ARE INSIDE DIMENSIONS AND DO NOT INCLUDE INSULATION OR LINER.

DUCTWORK SHALL BE INSTALLED TO AVOID CONFLICT WITH OTHER TRADES. ANY OFFSETS REQUIRED SHALL BE INSTALLED AT NO ADDITIONAL COST.

FABRICATE DUCTWORK FROM SHEET METAL. DUCT SHALL BE INSULATED WITH 2-1/2" DUCT WRAP INSULATION. DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCTWORK STANDARDS.

15990 TEST AND BALANCE:

CONTRACTOR SHALL BE CERTIFIED BY NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) OR BY ASSOCIATED AIR BALANCE COUNCIL (AABC).

TEST AND BALANCE ALL AIR SYSTEMS IN ACCORDANCE WITH AABC AND/OR NEBB REQUIREMENTS. ALL EQUIPMENT USED FOR TESTING SHALL BE IN PROPER WORKING ORDER.

THE CONTRACTOR SHALL REGULATE AND ADJUST ALL SPUITERS, DEFLECTORS AND DAMPERS SO THAT THE INLET OR OUTLET SHALL DELIVER OR REMOVE THE REQUIRED NUMBER OF CUBIC FEET OF AIR PER MINUTE (CFM) AT THE RESPECTIVE OPENINGS.

ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE CONSTRUCTION SUPERINTENDENT, OR HIS REPRESENTATIVE.

THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS, TESTING EQUIPMENT AND PERSONNEL THAT MAY BE REQUIRED FOR THE TESTS.

15991 VIBRATION AND NOISE:

PROVIDE VIBRATION ISOLATORS AND ACOUSTIC INSULATION AS REQUIRED TO ELIMINATE ANY OBJECTIONABLE NOISE OR VIBRATION.

GENERAL RENOVATION NOTES:

1. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN EQUIPMENT ROUTING AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
2. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE, UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN.
3. ALL PIPING SHALL BE CONCEALED, CONCEAL ALL PIPING ABOVE CEILING OR IN NEW WALLS. ALL PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS/CEILINGS, ETC.
4. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNER'S REQUEST DISPOSED OF BY THE CONTRACTOR.
5. ALL GRILLES, VAV BOXES, HVAC EQUIPMENT, ETC. THAT ARE REMOVED SHALL BE REMOVED AS DIRECTED BY THE OWNER, AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. ALL PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
6. ALL EXISTING HVAC EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, PIPING AND DUCT WORK, ETC. THAT IS NOT BEING REUSED BACK TO ITS SOURCE.
7. READ SPECIFICATIONS ON THIS PAGE.
8. ALL CONCRETE, WALL PATCHING, CEILING REPAIR, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING HVAC SYSTEMS AND TO REPAIR TO "LIKE NEW CONDITION" TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. (COORDINATE WITH GENERAL CONTRACTOR).
9. PROVIDE AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO ACCOMMODATE ANY EQUIPMENT OR DUCTWORK RELOCATION.
10. ALL NEW AIR DISTRIBUTION DEVICES SHALL MATCH THE EXISTING. NEW AIR DISTRIBUTION DEVICE SIZES ARE INDICATED ON THE PLANS.
11. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL EXISTING DUCTS BEING CONNECTED TO, MODIFIED OR EXTENDED. PROVIDE ALL DUCT MATERIAL AND LABOR REQUIRED TO ACCOMMODATE LOCATIONS OF ALL EQUIPMENT AND AIR DISTRIBUTION DEVICES SHOWN.
12. ALL NEW AND EXISTING DUCT PENETRATIONS ARE REQUIRED TO BE PROPERLY SEALED TO PREVENT THE PASSAGE OF SMOKE. COORDINATE ANY DUCT OR PARTITION OFFSETS OR ADJUSTMENTS REQUIRED TO ACCOMMODATE THE NEW RATING REQUIREMENTS BASED ON EXISTING CONDITIONS.

GENERAL NOTES:

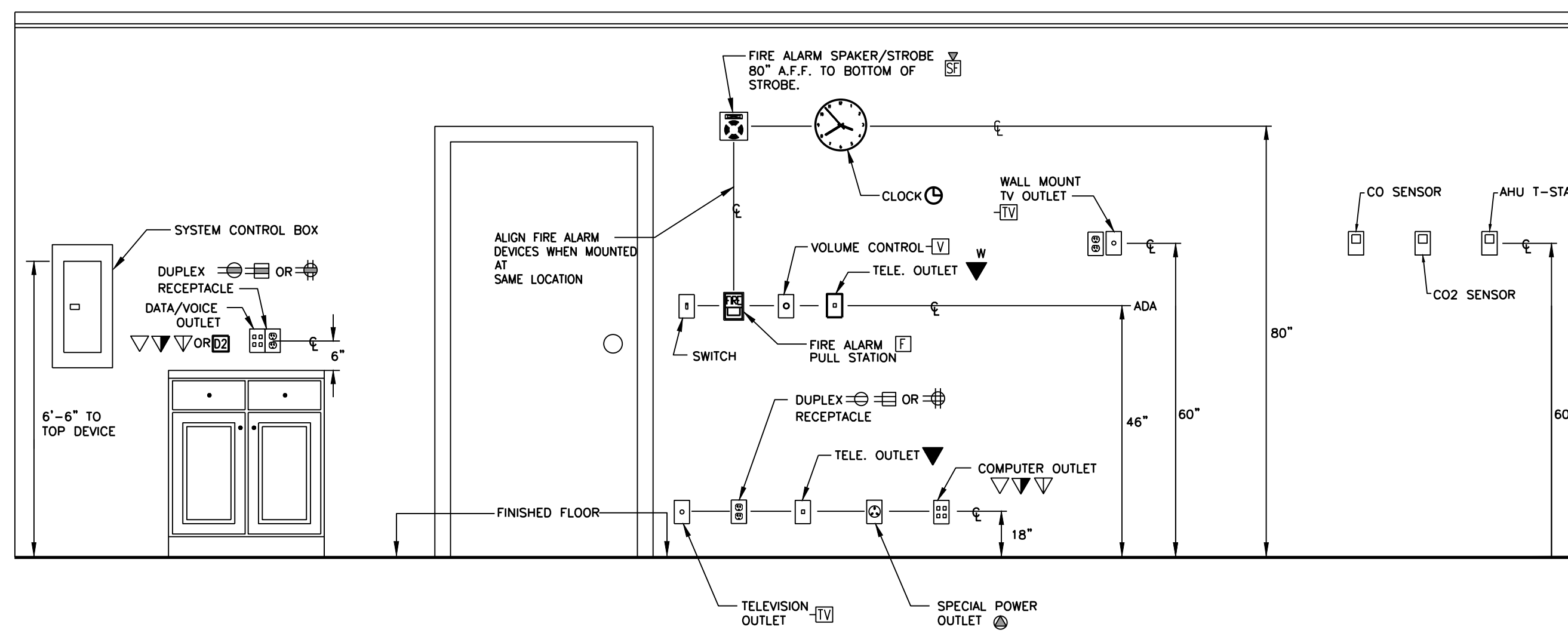
1. COORDINATE LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND WORK OF ALL OTHER TRADES.
2. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL REQUIREMENTS WITH EQUIPMENT SUPPLIER.
3. ALL EXTERIOR MECHANICAL EQUIPMENT AND THEIR FRAMES, APPURTENANCES, COMPONENTS, SUPPORTS AND ANCHORING DEVICES SHALL BE ANCHORED TO RESIST THE FORCES DUE TO WIND PRESSURE AS NOTED IN FLORIDA BUILDING CODE. COORDINATE WIND LOAD CRITERIA WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.
4. FLEXIBLE DUCT CONNECTORS AND RIGID DUCT RUNOUTS SERVING SINGLE DIFFUSER SHALL BE THE SAME SIZE AS DIFFUSER NECK.
5. ALL EQUIPMENT HOUSINGS AND COMPONENTS INSTALLED OUTDOORS OR WITHIN UNCONDITIONED VENTILATED SPACES THAT ARE EXPOSED TO THE ELEMENTS SHALL BE SUITABLE FOR SEASOAST APPLICATION. ANY APPLIED CORROSION RESISTANT MATERIALS SHALL BE FACTORY APPLIED.
6. PAINT INTERNAL DUCTWORK VISIBLE THROUGH DIFFUSERS, GRILLE OR LOUVER FACE FLAT BLACK.
7. DUCTWORK LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO BE USED AS DUCT FABRICATION DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION EFFORTS BETWEEN TRADES AS OUTLINED IN THE SPECIFICATIONS.
8. EVERY PIECE OF MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE WITH 1" LETTERS INDICATING EQUIPMENT DESIGNATION. ANY EQUIPMENT INSTALLED WHERE CONCEALED ABOVE CEILING SHALL BE NOTED WITH CLEAR ADHESIVE LABEL AT NEAREST 1"-RIGID OR ON ACCESS PANEL.
9. EVERY THERMOSTAT SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE WITH 1/4" LETTERS INDICATING EQUIPMENT ASSOCIATION.
10. ALL DOORS TO INDIVIDUAL TOILETS AND JANITOR CLOSETS ARE TO BE UNDERCUT MINIMUM 1/2". REFER TO ARCHITECTURAL DOOR SCHEDULE.
11. ALL MANUAL DAMPERS SHALL BE TAGGED WITH A MINIMUM 12" LONG PIECE OF FLUORESCENT TAPE TO ADD IN VISIBILITY.
12. MOUNT SPACE TEMPERATURE OR OTHER SENSORS AT 60" A.F.F. TO THE CENTER IN PUBLIC AREAS. MOUNT SPACE TEMPERATURE OR OTHER SENSORS AT 48" A.F.F. TO THE CENTER FOR ALL OTHER AREAS. COORDINATE STYLE AND LOCATION WITH A/E/O PRIOR TO PURCHASE.
13. ALL WALL MOUNTED SENSORS LOCATED IN PUBLIC SPACES SHALL BE PROVIDED WITH A LOCKABLE COVER. COVER SHALL BE TAMPER RESISTANT AND VENTED TO ALLOW FOR PROPER OPERATION. COORDINATE STYLE WITH A/E/O PRIOR TO PURCHASE.
14. ALL PIECE OF MECHANICAL EQUIPMENT REQUIRING ACCESS LOCATED ABOVE HARD CEILING SHALL BE PROVIDED WITH ACCESS PANELS SIZED PER DRAWINGS AND/OR MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS LARGER. COORDINATE STYLE/COLOR/LOCATIONS OF PANEL WITH A/E/O.
15. ANY REFRIGERANT PIPING RUN UNDER A CONCRETE SLAB OR IN AN ENCLOSED PUBLIC STAIRWELL SHALL BE INSTALLED IN A PIPE DUCT, EITHER APPROVED METAL OR APPROVED PVC.
16. THE TESTING, ADJUSTING, AND BALANCING (TAB) OF EQUIPMENT AND ALL AIR SYSTEMS SHALL BE DONE BY AN INDEPENDENT TAB CONTRACTOR IN COORDINATION WITH THE CX AGENT ON THE PROJECT. THE TAB CONTRACTOR SHALL BE EMPLOYED DIRECTLY BY THE GENERAL CONTRACTOR WHO SHALL BE SOLELY RESPONSIBLE FOR ITS PERFORMANCE AND THE TIMELY SCHEDULE OF IT OPERATION AND COMPLETION.
17. OA INTAKES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL DISTANCE FROM ANY VENTS.
18. PROVIDE WITH 1/4" - 1/2" CORROSION-RESISTANT SCREENS ON ALL OUTDOOR AIR EXHAUST & INTAKE OPENINGS. EXCEPTION: CLOTHES DRYER EXHAUST.
19. ALL HVAC ASSOCIATED WIRING SHALL BE ROUTED IN CONDUIT. ANY EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN UNCONSPICUOUS MANNER. CONDUIT SHALL BE PRIME AND PAINTED TO MATCH ADJACENT SURFACE. CONDUIT LOCATED WITHIN RETURN AIR PLENUMS WILL BE PERMITTED TO BE PLENUM RATED.
20. FLEXIBLE DUCTWORK CAN ONLY BE RUN A MAXIMUM OF 6-FT FROM THE CEILING DEVICE. REMAINING LENGTH WILL NEED TO BE RIGID RUN OUT STYLE OF DUCTWORK.
21. MECHANICAL CONTRACTOR SHALL LIST IN WRITING TO THE BUILDING OWNER ALL ITEMS THAT ARE FOUND TO BE INOPERABLE, DAMAGED, OR BEYOND REPAIR. PROVIDE WITH LINE ITEM COST FOR REPAIR OR REPLACEMENT. CONTRACTOR SHALL NOT PROCEED WITH REPAIRS/REPLACEMENT UNTIL RECEIVING IN WRITING DIRECTION FROM THE BUILDING OWNER.
22. ANY PROPOSED MECHANICAL WORK MUST COMPLY WITH THE FULL REQUIREMENTS OF THE FBC 2017.
23. ALL EXISTING DUCTWORK THAT IS SHOWN TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR FOR AIR LEAKS, DAMAGED INSULATION, AND CONFIRM THAT EXISTING FLEXIBLE DUCT CONNECTIONS ARE PROPERLY SECURED.
24. ANY EXISTING/NEW DUCTWORK THAT IS SHOWN PENETRATING THROUGH ANY NEW/EXISTING FIRE RATED ASSEMBLY WILL BE REQUIRED TO HAVE PROVIDED DAMPERS COMPLYING WITH THE UL LISTED CONSTRUCTION MEMBER.
25. AREAS SHOWN AS BEING RETURN AIR PLENUMS SHALL HAVE ONLY PLENUM RATED MATERIALS LOCATED WITHIN SPACE. CONTRACTOR TO COORDINATE LOCATION WITH OTHER TRADES. IF COMBUSTIBLE MATERIALS ARE PRESENT THAN MEANS OF PROPER PROTECTION SHALL BE APPLIED IN COMPLIANCE WITH CODE.
26. PROVIDE HINGED/LOCKABLE CEILING ACCESS DOORS FOR ALL EQUIPMENT, DAMPERS, FANS, VALVES, ETC. LOCATED ABOVE HARD CEILING (NON-ACT). THE ACCESS DOORS SHALL BE SIZED FOR THE COMPLETE ACCESS(INCLUDING REMOVAL) OF EACH ITEM ABOVE THE CEILING.

H.V.A.C. LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	SUPPLY PLAQUE DIFFUSER
	RETURN AND/OR RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	RIGID DUCTWORK (WIDTH/DEPTH)
	ELBOW WITH TURNING VANES
	MANUAL SPLITTER DAMPER
	FLEXIBLE DUCT WITH SPIN-IN FITTING AND MANUAL VOLUME DAMPER
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	BACKDRAFT DAMPER
	MOTORIZED VOLUME DAMPER
	SMOKE DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	CARBON MONOXIDE SENSOR (MOUNT @36" A.F.F.)
	CARBON DIOXIDE SENSOR (MOUNT @60" A.F.F.)
	THERMOSTAT
	CONDENSATE DRAIN LINE
	PVC CONDUIT
	POINT OF DISCONNECTION
	POINT OF CONNECTION

TEST AND BALANCE NOTES:

1. ALL OF THE EXISTING AIR DISTRIBUTION SYSTEMS ARE BEING REUSED WITH PORTIONS OF THE DUCTWORK, VAV TERMINALS, ETC. BEING RENOVATED. THE TEST AND BALANCE CONTRACTOR SHALL OBTAIN A SET OF THE ORIGINAL BUILDING DESIGN DRAWINGS FOR USE IN BALANCING THE SYSTEM. IF EXISTING PLANS ARE NOT AVAILABLE CONTRACTOR SHALL PERFORM A CURRENT TEST AND BALANCE PRIOR TO DEMOLITION, IN THE AREAS THAT ARE BEING RENOVATED, TO DETERMINE EXISTING CONDITIONS IN ORDER TO ASSIST IN NEW BALANCING THAT WILL BE REQUIRED BY CONTRACT.
2. UNLESS NOTED OTHERWISE, IT IS THE INTENTION OF THE DESIGN TO MAINTAIN ALL EXISTING AIRFLOWS THROUGH EXISTING AIR DISTRIBUTION DEVICES THAT ARE NOT EFFECTED BY THE RENOVATION.
3. ADJUST TOTAL SYSTEM AIRFLOWS AS REQUIRED TO ACHIEVE THE NEW AIRFLOWS FOR THE RENOVATED AREAS OF THE PLANS.
4. MAIN DUCTS ENTERING AND LEAVING THE RENOVATED AREAS CAN BE VERIFIED TO MAKE SURE TOTAL DESIGN FLOWS TO/FROM AREAS OUTSIDE OF RENOVATION ARE MAINTAINED. IT IS NOT REQUIRED TO BALANCE ALL EXISTING AIR DISTRIBUTION DEVICES OUTSIDE OF THE RENOVATION UNLESS REQUIRED TO BALANCE NEW TOTAL SYSTEM FLOWS.
5. ALL CONTROL SYSTEMS SHALL BE TESTED AND VERIFIED FOR OPERATION WITH EXISTING BUILDING AUTOMATION SYSTEM. REPAIR AND/OR REPLACE UNITS AS NEEDED IN ORDER TO PROVIDE A FULLY FUNCTIONAL SYSTEM UPON COMPLETION. ANY REQUIRED ACCESSORIES THAT MIGHT BE NEEDED SHALL BE PART OF THE RENOVATION BID CONTRACT.



NOTE
 ALL DIMENSIONS ARE INDUSTRY RECOMMENDATIONS AND ARE OFFERED AS GUIDELINES. SEE DRAWINGS AND DETAILS FOR SPECIFIC DEVICE AND LOCATION MOUNTING HEIGHTS. FIELD CONDITIONS MAY REQUIRE ADJUSTMENTS DETERMINED BY THE CONTRACTOR ON SITE. APPROVAL OF ANY SUCH ADJUSTMENTS SHALL BE OBTAINED FROM A/E/O PRIOR TO INSTALLATION. WHERE DEVICES ARE WITHIN 6" PROXIMITY, THEY SHALL BE COORDINATED TO BE MOUNTED VERTICALLY ALIGNED. NOT ALL DEVICES ABOVE ARE REQUIRED. REFER TO PLANS.

1 TYPICAL SYSTEMS OUTLET MOUNTING HEIGHT

no scale



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SINGLE POINT OF ENTRY RENOVATION

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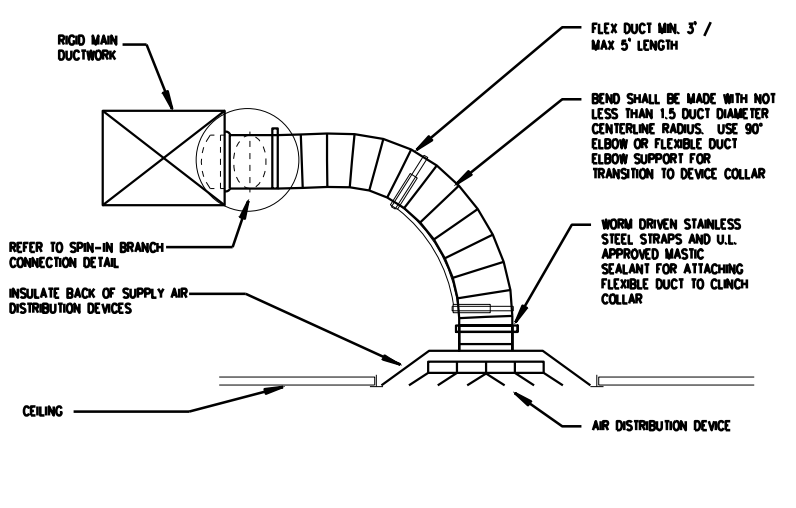
Phase: CONSTRUCTION DOCUMENTS

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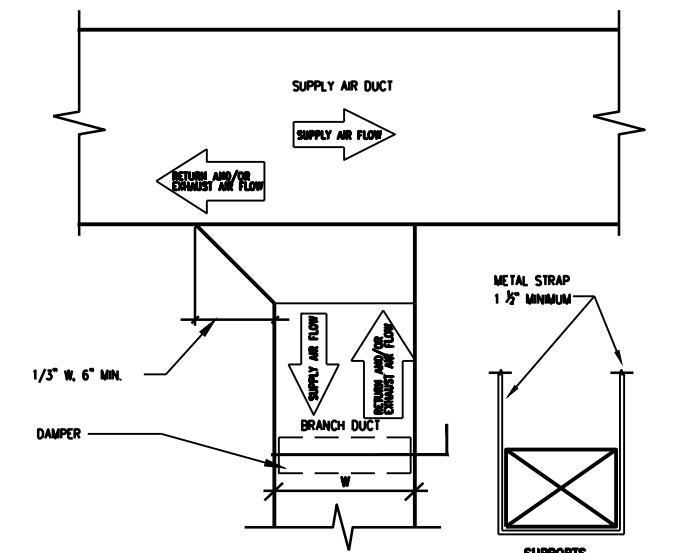
GENERAL NOTES - H.V.A.C.

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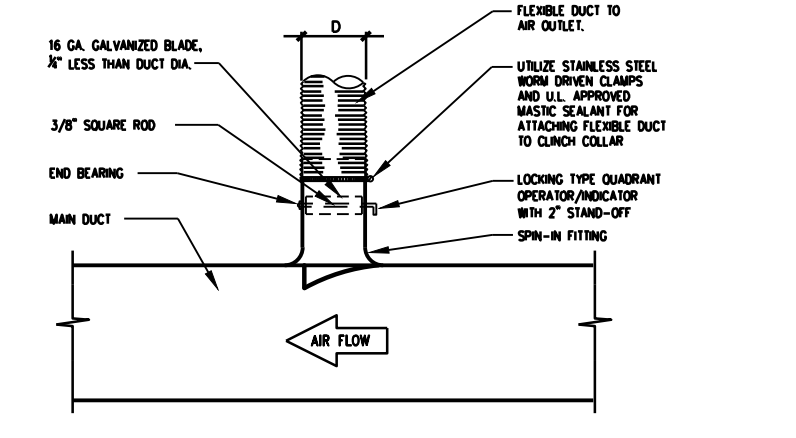
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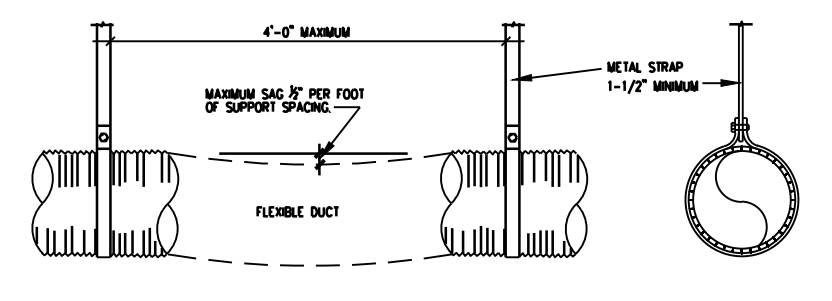
1 DIFFUSER AND FLEX DUCT DETAIL
NTS



4 DAMPER AT DUCT BRANCH
NTS



2 SPIN-IN BRANCH CONNECTION TO SINGLE AIR OUTLET
NTS



5 FLEX DUCT SUPPORT
NTS

H.V.A.C. LEGEND

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- RIGID DUCTWORK (WIDTH/DEPTH)
- ELBOW WITH TURNING VANES
- FLEXIBLE DUCT WITH SPIN-IN FITTING AND MANUAL VOLUME DAMPER
- MANUAL VOLUME DAMPER
- DUCT MOUNTED SMOKE DETECTOR
- THERMOSTAT
- DOOR UNDERCUT
- POINT OF DISCONNECTION
- POINT OF CONNECTION

H.V.A.C. KEYNOTES

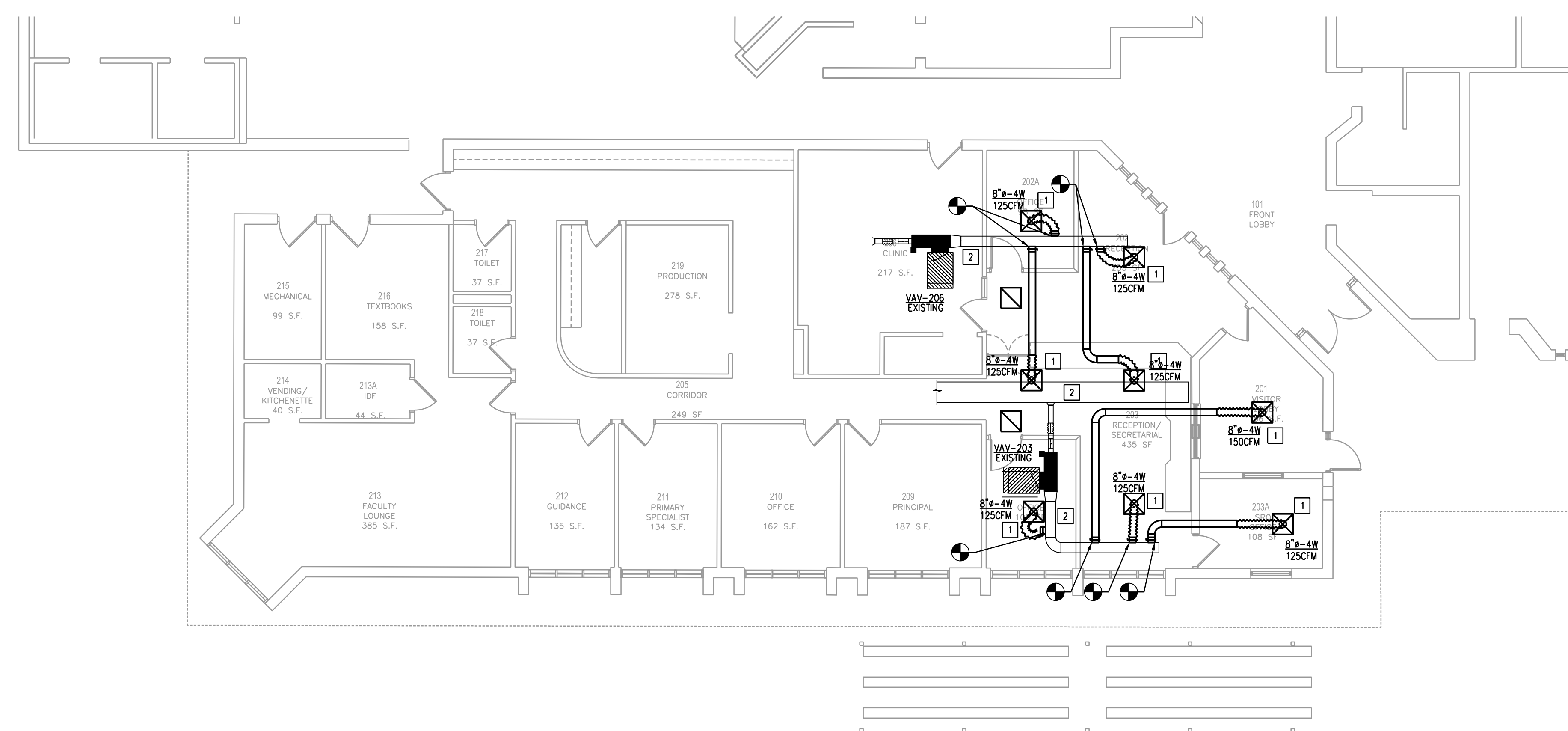
1. MATCH DIFFUSER TYPE AND COLOR TO EXISTING.
2. EXISTING DUCT TO REMAIN.

TEST AND BALANCE NOTES:

1. ALL OF THE EXISTING AIR DISTRIBUTION SYSTEMS ARE BEING REUSED WITH PORTIONS OF THE DUCTWORK, VAV TERMINALS, ETC. BEING RENOVATED. THE TEST AND BALANCE CONTRACTOR SHALL OBTAIN A SET OF THE ORIGINAL BUILDING DESIGN DRAWINGS FOR USE IN BALANCING THE SYSTEM.
2. UNLESS NOTED OTHERWISE, IT IS THE INTENTION OF THE DESIGN TO MAINTAIN ALL EXISTING AIRFLOWS THROUGH EXISTING AIR DISTRIBUTION DEVICES THAT ARE NOT EFFECTED BY THE RENOVATION.
3. ADJUST TOTAL SYSTEM AIRFLOWS AS REQUIRED TO ACHIEVE THE NEW AIRFLOWS FOR THE RENOVATED AREAS OF THE PLANS.
4. MAIN DUCTS ENTERING AND LEAVING THE RENOVATED AREAS CAN BE VERIFIED TO MAKE SURE TOTAL DESIGN FLOWS TO/FROM AREAS OUTSIDE OF RENOVATION ARE MAINTAINED. IT IS NOT REQUIRED TO BALANCE ALL EXISTING AIR DISTRIBUTION DEVICES OUTSIDE OF THE RENOVATION UNLESS REQUIRED TO BALANCE NEW TOTAL SYSTEM FLOWS.

GENERAL RENOVATION NOTES:

1. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING WORK. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN EQUIPMENT ROUTING AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL EXISTING CONDITIONS, PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
2. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN.
3. ALL PIPING AND DUCTS SHALL BE CONCEALED ABOVE CEILINGS WHERE APPLICABLE. ALL PIPING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO THE BUILDING WALLS.
4. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. ALL PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
5. ALL GRILLES, VAV BOXES, HVAC EQUIPMENT, ETC. THAT ARE REMOVED SHALL BE REMOVED AS DIRECTED BY THE OWNER, AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. ALL PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
6. ALL EXISTING HVAC EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, PIPING AND DUCT WORK, ETC. THAT IS NOT BEING REUSED BACK TO ITS SOURCE.
7. READ SPECIFICATIONS.
8. ALL CONCRETE, WALL PATCHING, CEILING REPAIR, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING HVAC SYSTEMS AND TO REPAIR TO "LIKE NEW CONDITION" TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. (COORDINATE WITH GENERAL CONTRACTOR).
9. PROVIDE AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO ACCOMMODATE ANY EQUIPMENT OR DUCTWORK RELOCATION.
10. IT IS THE INTENTION OF THE RENOVATION DESIGN TO REUSE THE EXISTING CONTROLS IN THEIR ENTIRETY. ALL EXISTING SENSORS, ACTUATORS AND EQUIPMENT IS TO BE RELOCATED / REUSED. ANY EXISTING CONTROL COMPONENTS THAT ARE EITHER MALFUNCTIONING OR ARE DAMAGED DURING THE RENOVATION SHALL BE REPLACED WITH NEW AND TIED INTO THE EXISTING SYSTEM. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONTROL SYSTEM PRIOR TO THE BID.



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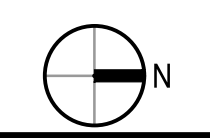
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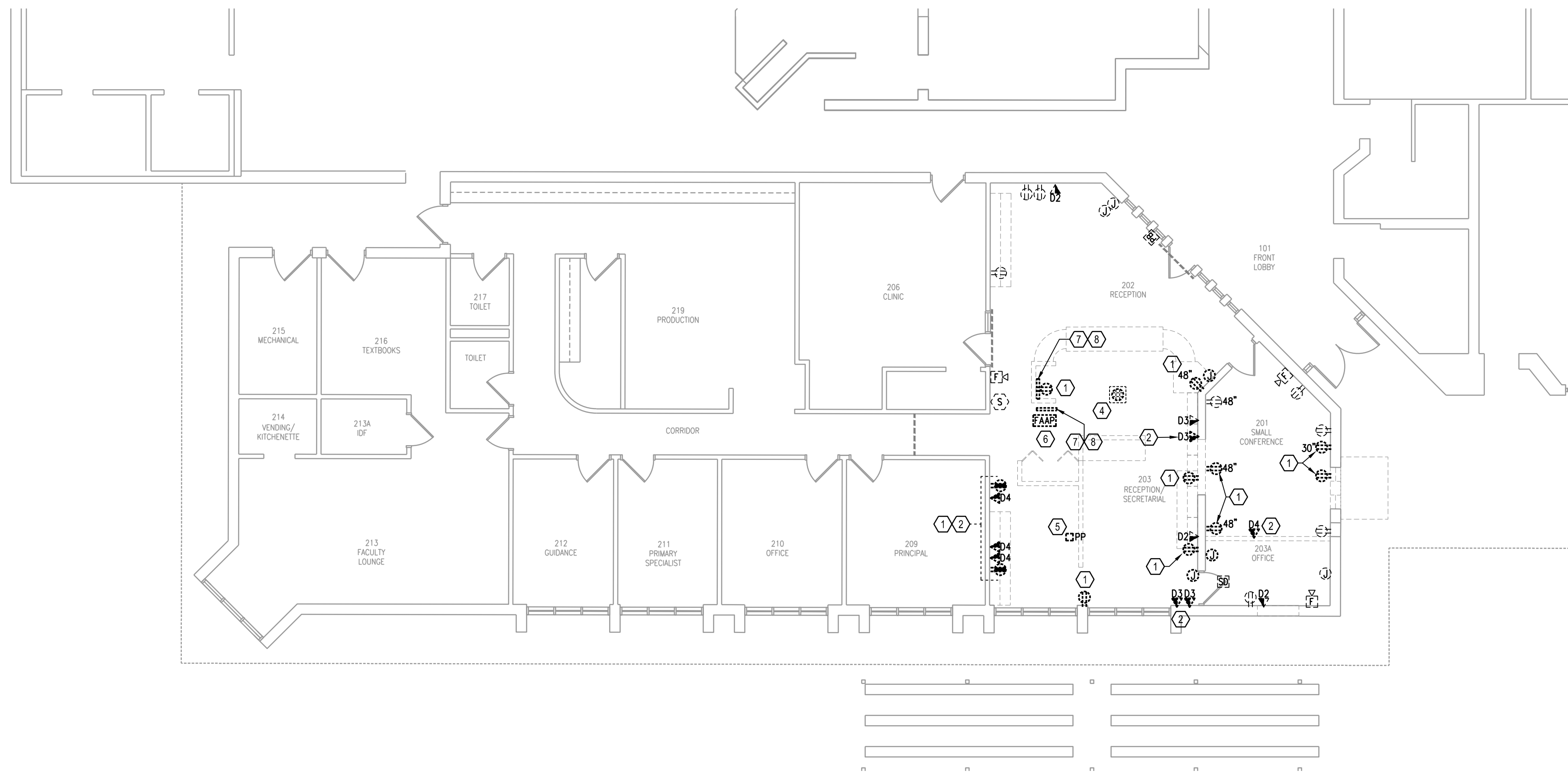
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GENERAL DEMOLITION NOTES:

1. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE BY DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN EQUIPMENT ROUTING AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL EXISTING CONDITIONS, PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
2. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN.
3. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNER'S REQUEST DISPOSED OF BY THE CONTRACTOR.
4. ALL EXISTING ELECTRICAL EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, CONDUIT/WIRING ETC. THAT IS NOT BEING REUSED BACK TO ITS SOURCE.

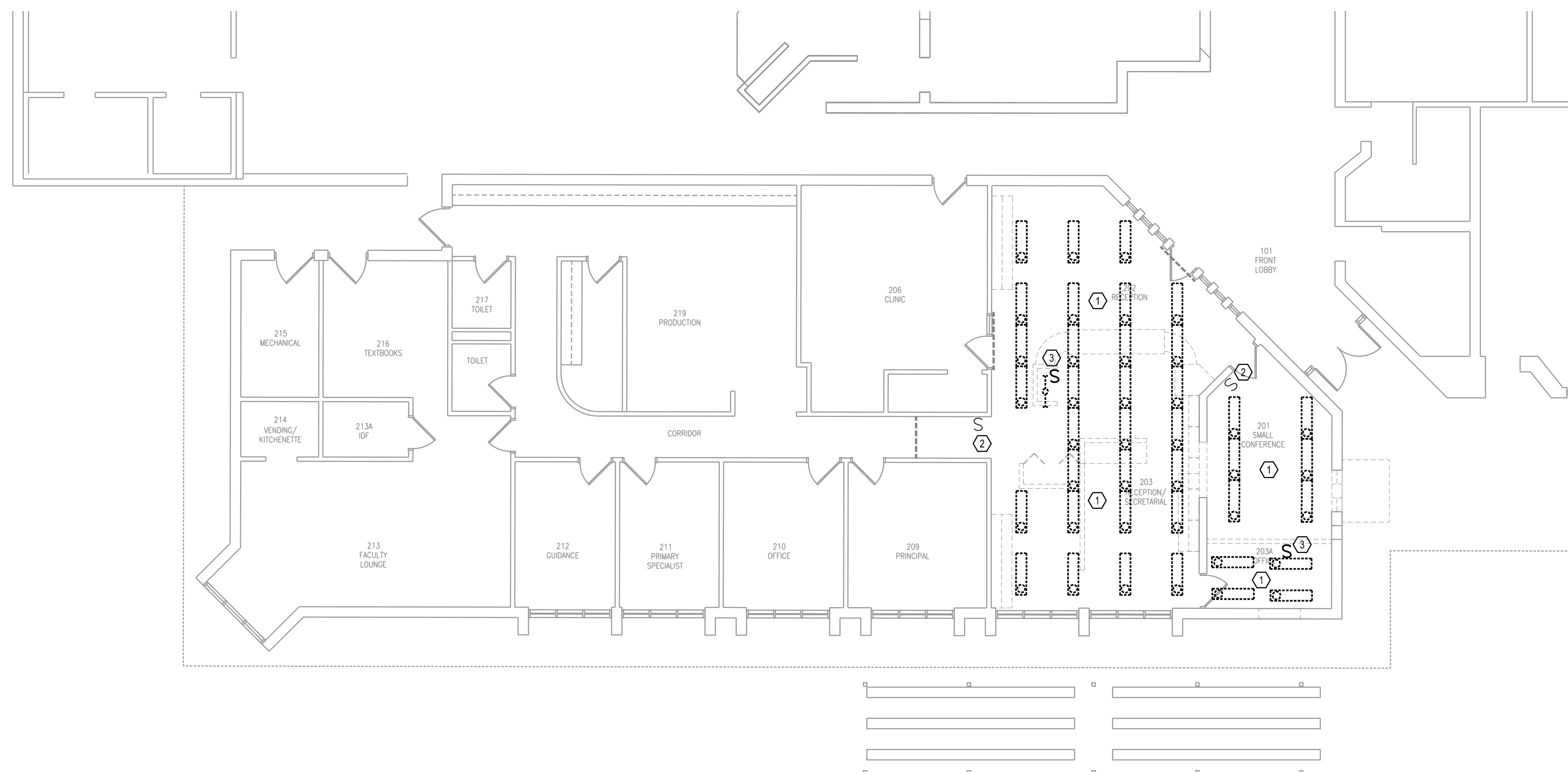
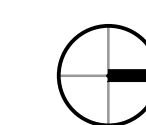
DEMO KEYNOTES (X):

- 1 REMOVE RECEPTACLE(S). RETAIN CIRCUITRY IN NEMA 1 JUNCTION BOX IN ACCESSIBLE CEILING FOR USE IN NEW WORK.
- 2 REMOVE DATA DEVICE(S) FROM WALLS BEING DEMOLISHED. RETAIN DATA DROPS TO BE USED IN NEW WORK. SHOW ON E201
- 3 REMOVE DATA WIRES FROM THIS LOCATION AND RELOCATE TO NEW WORK SHOWN IN E201. BLANK JUNCTION BOX
- 4 REMOVE EXISTING FLOOR RECEPTACLE. REMOVE WIRE BACK TO CLOSET JUNCTION POINT. FILL FLOOR BOX OPENING WITH CONCRETE AND FINISH FLUSH WITH EXISTING FLOOR.
- 5 REMOVE EXISTING POWER POLE. REMOVE ALL ASSOCIATED CONDUIT AND WIRE BACK TO ACCESSIBLE CEILING AND RETAIN CIRCUITRY IN NEMA 1 JUNCTION BOX FOR REUSE IN NEW WORK.
- 6 EXISTING FIRE ALARM ANNUNCIATOR PANEL TO BE RELOCATED. PROVIDE ALL NECESSARY ADDITIONAL CONDUIT, WIRE BOXES, ETC. REFER TO NEW WORK SHOWN ON E201.
- 7 CONTRACTOR TO REMOVE ALL CONDUCTORS AND CIRCUITS FROM EXISTING JUNCTION BOXES TO BE REMOVED. CONDUITS CAN BE TERMINATED IN FLOOR BOXES BELOW GRADE.
- 8 EXISTING JUNCTION BOXES TO BE REMOVED FROM KNEEWALL.

DEMO FLOOR PLAN - POWER

01

1/8"=1'-0"



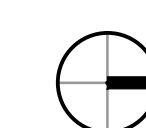
DEMO KEYNOTES (X):

- 1 REMOVE ALL EXISTING LIGHTING SHOWN IN THIS AREA BACK TO FIXTURE CLOSEST TO SOURCE AND RETAIN IN NEMA 1 JUNCTION BOX IN ACCESSIBLE CEILING FOR REUSE IN NEW WORK.
- 2 EXISTING SWITCH(ES) TO REMAIN.
- 3 REMOVE EXISTING SWITCH, BACK BOX AND CONDUIT STUB INTO CEILING IN ITS ENTIRETY.

DEMO FLOOR PLAN - LIGHTING

02

1/8"=1'-0"



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DEMOLITION FLOOR PLAN - ELECTRICAL

Sheet # :

ED-201

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MASTER ELECTRICAL SYMBOLS LEGEND

NOTE: THESE ARE STANDARD SYMBOLS AND ALL MAY NOT APPEAR ON THE PROJECT DRAWINGS. REFER TO SPECIFICATIONS FOR MOUNTING HEIGHTS.

LIGHTING

NOTE: (EM) DENOTES FIXTURE WITH BATTERY BALLAST

(□) FLUORESCENT FIXTURE - CEILING MOUNTED

(◻) FLUORESCENT FIXTURE - CEILING MOUNTED, LIFE SAFETY BRANCH

(○) HID, FLUORESCENT OR INCANDESCENT FIXTURE - RECESSED

(□) UNIVERSAL MOUNTING EXIT LIGHTS, SINGLE AND DOUBLE FACED, ARROWS AS SHOWN ON FLOOR PLANS

(□) WALL MOUNTED EXIT LIGHTS, SINGLE FACED

SWITCHES

S_{ab} LOWER CASE SUBSCRIPTS INDICATE OUTLET CONTROLLED

S SINGLE POLE SWITCH (UNLESS NOTED BY SUBSCRIPT)

* (2) DOUBLE POLE

(3) WAY

(D) DIMMER SWITCH (1500W UNLESS NOTED)

(T) SINGLE PHASE MOTOR STARTING SWITCH

(OS) OCCUPANCY SENSOR

(P) MULTI-BUTTON LIGHTING CONTROL PANEL

(OS) OCCUPANCY SENSOR, LOW VOLTAGE - CEILING MOUNTED. OC SENSOR SHALL

(DS) DAYLIGHT SENSOR, LOW VOLTAGE - CEILING MOUNTED

CONDUIT AND WIRE

() CONDUIT CONCEALED IN WALLS OR ABOVE CEILINGS

() CONDUIT CONCEALED UNDERGROUND OR IN SLAB

() CONDUIT HOMERUN - CONDUCTORS ARE #12 AWG CU UNLESS OTHERWISE INDICATED. (SEE SPECIFICATIONS FOR DERATING OF CONDUCTORS BASED ON CIRCUIT LENGTH AND CONDUCTORS IN A CONDUIT)

---- CONDUIT EXPOSED ON WALLS OR CEILINGS

--- EXISTING CONDUIT

() CONDUIT TURNED UP OR DOWN IN WALL

RECEPTACLES

() DUPLEX RECEPTACLE

* (G) DUPLEX GFCI RECEPTACLE

(G) DUPLEX ISOLATED GROUND RECEPTACLE (EWC) ELECTRIC WATER COOLER, COORDINATE LOCATION WITH PLUMBING INSTALLER. LOCATE GFCI RECEPTACLE CENTERED UP UNDER COOLER (WPG) DUPLEX GFCI RECEPTACLE, WEATHERPROOF COVER

() DUPLEX RECEPTACLE, MOUNT 4" ABOVE COUNTER OR BACKSPLASH. MAXIMUM 48" TO CENTER.

() QUADRAPLEX RECEPTACLE IN TWO GANG BOX COVER.

() DUPLEX RECEPTACLE IN FLOOR BOX.

() QUADRAPLEX RECEPTACLE, MOUNT 4" ABOVE COUNTER OR BACKSPLASH. MAXIMUM 48" TO CENTER.

FIRE ALARM SYSTEM

NOTE:

(D) DENOTES DUCT MOUNTED

(C) DENOTES CEILING MOUNTED

(F) DENOTES FLUSH WALL MOUNTED

(UF) DENOTES UNDER FLOOR ACCESS

(WP) DENOTES WEATHERPROTECTED

(SD) SMOKE DETECTOR - PHOTO

(SH) SIGNALING HORN

* (V) WITH VISUAL SIGNAL (STROBE, 75CD UNLESS NOTED)

INTERCOM SYSTEM

(IC) INTERCOM CEILING SPEAKER

() INTERCOM SYSTEM RACEWAY

(ICP) INTERCOM EQUIPMENT PANEL

SECURITY SYSTEM

(V) SECURITY VIDEO CAMERA

* (C) CEILING MOUNTED

(W) WALL MOUNTED

(PT) PAN AND TILT TYPE

(WP) WEATHERPROOF

TECHNOLOGY

(V) TECHNOLOGY OUTLET, FLUSH WALL MTD. 18" OC AFF UNLESS OTHERWISE NOTED

NOTE: ALL FACEPLATES SHALL HAVE 6 SPACES FOR TERMINATION MODULES.

(#) PROVIDE COVERPLATE WITH NUMBER OF PORTS AS SHOWN.

ABBREVIATIONS:

A AMPERES

AFF ABOVE FINISHED FLOOR

AFG ABOVE FINISHED GRADE

AL ALUMINUM

ANNUN ANNUNCIATOR

ARCH ARCHITECT

ATS AUTOMATIC TRANSFER SWITCH

AWG AMERICAN WIRE GAUGE

BFG BELOW FINISHED GRADE

BLDG BUILDING

C CONDUIT

CAT CATALOG

CUT CIRCUIT

CU COPPER

C/B CIRCUIT BREAKER

C/T CURRENT TRANSFORMERS

Δ DELTA

DWG DRAWING

FT FEET

G GROUND

GEN GENERATOR

GFI GROUND FAULT INTERRUPT

IG ISOLATED GROUND

KVA KILOVOLT - AMPERES

KW KILOWATTS

MCB MAIN CIRCUIT BREAKER

MCC MOTOR CONTROL CENTER

MCM THOUSAND CIRCULAR MILS

MISC MISCELLANEOUS

MLO MAIN LUGS ONLY

NEC NATIONAL ELECTRICAL CODE

NC NORMALLY CLOSED

NL NIGHT LIGHT CIRCUIT

NO NORMALLY OPEN

NTS NOT TO SCALE

NIC NOT IN CONTRACT

* PHASE

POS POINT OF SALE

PVC POLYVINYL CHLORIDE

P/T POTENTIAL TRANSFORMER

R RECESSED

SCR SHORT CIRCUIT RATING

SURF SURFACE

TEL TELEPHONE

UG UNDERGROUND

UNIV UNIVERSAL

UNO UNLESS NOTED OTHERWISE

V VOLTS

W WATTS

WP WEATHERPROOF

WPG WEATHERPROOF WITH GROUND FAULT INTERRUPT

XTMR TRANSFORMER

Y WYE

GENERAL NOTES:

- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM WHETHER INDICATED OR NOT.
- CODES AND STANDARDS: ALL ELECTRICAL WORK SHALL BE IN STRICT COMPLIANCE WITH OSHA REQUIREMENTS, THE 2008 NATIONAL ELECTRICAL CODE, THE FLORIDA ELECTRICAL CODE AND POWER COMPANY REQUIREMENTS AND STANDARDS. ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BEAR THE UNDERWRITER'S LABEL FOR ITS INTENDED USE AND PURPOSE.
- CONTRACTOR SHALL THOROUGHLY INVESTIGATE SITE BEFORE BIDDING. NO CHANGES WILL BE ALLOWED IN CONTRACT PRICE FOR WORK REQUIRED TO COMPLY WITH EXISTING CONDITIONS.
- WORKMANSHIP SHALL MEET N.E.C.A. GUIDELINES AND NEC 110.12.
- IF, THROUGH ERRORS OR OMISSIONS, THE INTENT OF THE ARCHITECT OR ENGINEER, WITH REGARD TO ANY DETAIL, IS NOT CLEAR, OR IS CAPABLE OF MORE THAN ONE INTERPRETATION, SUCH MATTERS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS, AND THE ARCHITECT OR ENGINEER SHALL MAKE THE NECESSARY CORRECTION OR EXPLANATION IN A WRITTEN FORMAL RESPONSE. OTHERWISE, NO EXTRA CHARGE WILL BE ALLOWED FOR THE WORK OR MATERIAL WHICH THE ARCHITECT OR ENGINEER MAY REQUIRE. PROVIDED THAT IT COMES WITHIN A REASONABLE INTERPRETATION OF THE DRAWINGS, SPECIFICATIONS, AND OVERALL INTENT OF THE CONTRACT DOCUMENTS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED AS PART OF THIS CONTRACT, BY THE SUB-CONTRACTOR. THIS SUB-CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MECHANICAL, ARCHITECTURAL, PLUMBING, STRUCTURAL, AND ELECTRICAL PLANS PRIOR TO SUBMITTING HIS FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE CONTRACTOR'S FAILURE TO FAMILIARIZE HIMSELF WITH THE PLANS AND HAVE ALL ITEMS OF WORK CLEARLY UNDERSTOOD AND ITEMIZED IN HIS BID PROPOSAL.
- WHERE CONDUIT IS REQUIRED BELOW GRADE, IT SHALL BE SCHEDULE 40 PVC. PROVIDE NYLON PULL CORDS IN ALL EMPTY CONDUITS. SIZE CONDUIT PER N.E.C. FOR ENCLOSED WIRING.
- WHERE CONDUIT IS REQUIRED WITHIN THE BUILDING, IT SHALL BE:
 - WHERE EXPOSED TO PHYSICAL DAMAGE, RIGID OR INTERMEDIATE METAL CONDUIT.
 - WHERE CONCEALED IN STRUCTURE OR CONCEALED BY FINISHES, EMT SHALL BE UTILIZED EXCEPT WHERE RIGID NONMETALLIC CONDUIT IS PERMITTED BY LOCAL AUTHORITY.
- FITTING SHALL BE APPROVED AND U.L. LISTED FOR THE RACEWAY UTILIZED.
- ALL CONDUCTORS SHALL BE COPPER (#12 MIN.), THHN/THWN INSULATION. COMPLY WITH ALL N.E.C. ARTICLES. ALL CONDUCTORS SHALL BE NEW, FREE FROM KINKS AND OTHER DEFECTS AFTER INSTALLATION HAS BEEN MADE.
- PROVIDE ALL SUPPORTS FOR ELECTRICAL MATERIAL AND EQUIPMENT.
- ALL PLATE FINISHES SHALL BE AS DESIGNATED BY OCS.
- PROVIDE COMMERCIAL GRADE 20 AMP, 2 POLE, 3 WIRE, GROUNDING TYPE DEVICES WITH BACK AND SIDE WIRING CAPABILITY, SUITABLE FOR SPLIT CIRCUIT OPERATION.
- GROUND FAULT INTERRUPTER: PROVIDE "SPECIFICATION GRADE" DUPLEX RECEPTACLES, GROUND FAULT CIRCUIT INTERRUPTERS (GFI), FEED-THRU TYPE, CAPABLE OF PROTECTING CONNECTED DOWNSTREAM RECEPTACLES ON SINGLE CIRCUIT, GROUNDING TYPE UL RATED CLASS A, 20 AMPERES RATING, 120 VOLTS, WITH SOLID STATE GROUND FAULT SENSING AND SIGNALING, 5 MILLIAMPERES GROUND FAULT TRIP LEVEL; AND EQUIP WITH LOCAL TEST/RESET BUTTONS.
- SHALL BE HEAVY DUTY SAFETY SWITCHES WITH 100,000A SHORT CIRCUIT RATING, AND SHALL BE LISTED IN ACCORDANCE WITH U.L. 98. THE COVER SHALL BE INTERLOCKED SO THAT THE DOOR CANNOT BE OPENED WITH THE HANDLE IN THE "ON" POSITION, EXCEPT BY THE INTENTIONAL OPERATION OF A CONCEALED RELEASE (DEFATER) MECHANISM. PROVIDE FUSIBLE SWITCH FOR 4JC UNITS AS PER ULL LISTING AND LOCAL CODE REQUIREMENTS. PROVIDE DUAL ELEMENT, TIME DELAY FUSES IN ALL FUSIBLE SWITCHES.
- A SEPARATE GROUNDING CONDUCTOR, SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250-122, SHALL BE PROVIDED IN THE CONDUIT WITH THE CIRCUIT CONDUCTORS FOR ALL LIGHTING, POWER AND FEEDER CIRCUITS.
- ALL ELECTRICAL EQUIPMENT ENCLOSURES AND CONDUCTOR ENCLOSURES SHALL BE GROUNDED.
- THE CONTRACTOR SHALL INSTALL HIS WORK TO JOB CONDITIONS AND MAKE SUCH CHANGES AS REQUIRED AND PERMITTED BY THE ARCHITECT, SUCH AS MOVING HIS WORK TO CLEAR BEAMS, JOISTS, AND ADJUSTING OTHER APPARATUS TO AVOID INTERFERENCES WITH WINDOWS AND OPENINGS, OR RAISING OR LOWERING HIS WORK TO PERMIT THE PASSING OF DUCTWORK OR THE WORK OF OTHER TRADES; ALL AS REQUIRED OR AS JOB CONDITIONS DICTATE, WITHOUT ANY ADDITIONAL COSTS TO THE OWNER OR THE CONTRACT PRICE.
- EXAMINE AREAS AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND PRODUCTS ARE TO BE INSTALLED AND NOTIFY ARCHITECT IN WRITING OF CONDITIONS DETRIMENTAL TO PROPER AND TIMELY COMPLETION OF THE WORK. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE INSTALLER.
- DO NOT ALLOW OR CAUSE ANY OF THE WORK OF THIS DIVISION, OR CAUSE OTHER DIVISIONS OF WORK TO BE COVERED UP, OR ENCLOSED, UNTIL IT HAS BEEN INSPECTED, TESTED AND APPROVED BY THE ARCHITECT AND BY ALL OTHER AUTHORITIES HAVING JURISDICTION.
- ALL SWITCHES, OUTLETS, COVER PLATES, SIGNS, LIGHTING FIXTURES, AND ANY AND ALL OTHER ELECTRICAL EQUIPMENT PROVIDED SHALL BE THOROUGHLY CLEANED OF ALL DIRT, OIL, CONCRETE, ETC. ANY DENTS, SCRATCHES OR OTHER VISIBLE BLEMISHES SHALL BE CORRECTED AND THE APPEARANCE AND CORROSION RESISTANCE OF THE EQUIPMENT MADE "LIKE NEW", TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- PERFORM ALL ADJUSTMENTS NECESSARY TO ENSURE PROPER SYSTEM OPERATION IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
- PROVIDE 120V RECEPTACLE CIRCUIT CONTROLS PER 2017 FBC ENERGY SECTION 405.6.1 & ASHRAE 90.1-2013 8.4.2 IN ALL PRIVATE OFFICES, CONFERENCE ROOMS, PRINTING/COPYING ROOMS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS. RECEPTACLES DESIGNATED "CR" INDICATES A CONTROLLED RECEPTACLE. THESE RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.
- PROVIDE 120V RECEPTACLE CIRCUIT CONTROLS PER 2017 FBC ENERGY SECTION 405.6.1 & ASHRAE 90.1-2013 8.4.2 IN ALL PRIVATE OFFICES, CONFERENCE ROOMS, PRINTING/COPYING ROOMS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS. RECEPTACLES DESIGNATED "CR" INDICATES A CONTROLLED RECEPTACLE. THESE RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.

Applicable Codes and Standards :

FLORIDA BUILDING CODE, 2017 EDITION

ADA

FLORIDA BUILDING CODE, MECHANICAL 2017 EDITION

FLORIDA FIRE CODE, PLUMBING 2017 EDITION

FLORIDA FIRE PREVENTION CODE, 5TH EDITION

FLORIDA BUILDING CODE, 2017 EDITION CHAPTER 13 - FLORIDA ENERGY EFFICIENCY FOR BUILDING CONSTRUCTION

NATIONAL FIRE PROTECTION ASSOCIATES (NFPA) STANDARDS

NFPA 70, 2014 EDITION

NFPA 72, 2014 EDITION

LIGHTING FIXTURE SCHEDULE

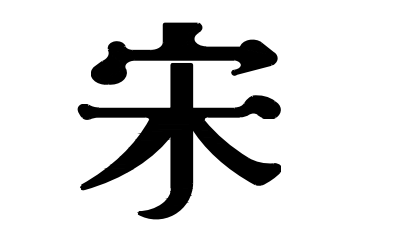
TYPE	DESCRIPTION	TOTAL	LAMPS	VOLTAGE	MOUNTING	
A	2X2 LED LAY-IN FLAT PANEL FIXTURE, 0-10 V DIMMING	32	32	LED	120/277	RECESSED FIDELUX # FFP22-32-40K-UNV-D
B	1X4 LED LAY-IN FLAT PANEL FIXTURE, 0-10 V DIMMING	32	32	LED	120/277	RECESSED FIDELUX # FFP14-32-40K-UNV-D
X1	EXIT LIGHT, SINGLE FACE, RED LETTERS	-	12	LED	120/277	SURFACE COMPASS# CER

LIGHTING FIXTURE SCHEDULE NOTES:

- CONTRACTOR SHALL CAREFULLY COORDINATE THE LIGHTING FIXTURE TRIM TYPES WITH THE TYPE OF CEILING WHERE LIGHTING FIXTURES ARE TO BE INSTALLED MODIFY FIXTURE CATALOG NUMBER FROM THAT SHOWN ABOVE TO THAT REQUIRED TO COORDINATE WITH CEILING TYPE/CONSTRUCTION.
- ALL BALLASTED FIXTURES TO HAVE IN-LINE FUSE AND FUSE HOLDER.

1 GENERAL NOTES AND LEGEND - ELECTRICAL

SCALE: AS NOTED



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SINGLE POINT OF ENTRY RENOVATION

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SEBASTIAN, FL 32958

Revisions :

Date : 09/19/2018

S+A Project No : 18032

Owner Project No :
Drawn By : JB

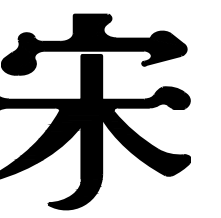
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Phase :
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GENERAL NOTES - ELECTRICAL

Sheet # :
E-100



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Drawn By : JB

Checked By : KGL

Phase :
CONSTRUCTION DOCUMENTS

Sheet Title :

FLOOR PLAN - ELECTRICAL

Sheet # :

E-201

GENERAL POWER NOTES:

- 1. ALL RACEWAYS AND CABLE SHALL BE CONCEALED UNLESS NOTED OR APPROVED IN WRITING BY OWNER AND/OR ENGINEER. ALL CONDUIT ROUTING SHOWN IS DIAGRAMMATICAL AND MAY NOT REPRESENT BEST POSSIBLE ROUTE.
- 2. DASHED-IN OCCUPANCY SENSORS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL UTILIZE SAME OCCUPANCY SENSOR SHOWN ON THE LIGHTING PLANS FOR AUTOMATIC RECEPTACLE CONTROL. REFER TO DETAIL 10 ON ELECTRICAL SHEET ES.03 FOR MORE INFORMATION. TYPICAL ALL LOCATIONS THIS SHEET.

POWER KEYNOTES [X]:

- 1. PROVIDE AIRPHONE HANDS FREE VIDEO INTERCOM, JOS-IMD MASTER CONTROL STATION AND JOS-DUF VIDEO DOOR STATION. PROVIDE (1) 2 CONDUCTOR CABLE AS REQUIRED BETWEEN 2 UNITS.
- 2. FIRE ALARM ANNUNCIATOR RELOCATED. SEE DEMO DRAWINGS FOR DETAILS.
- 3. PROVIDE POWER TO ELECTRIC DOOR LOCK. PUSH BUTTON AT DESK TO OPEN LOCK.

FLOOR PLAN - POWER

01

1/8"=1'-0"



GENERAL LIGHTING NOTES:

- 1. ALL LIGHT SWITCHES SHALL BE 277V RATED UNLESS OTHERWISE NOTED.
- 2. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC UNITS, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT.
- 3. EXIT LIGHTS SHALL BE MOUNTED WITH BOTTOM OF FIXTURE AT 6" ABOVE DOOR HEADER IN ALL AREAS THAT PERMIT THIS PLACEMENT. ALL OTHERS MAY BE CEILING MOUNTED. CONNECT EXIT LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS.
- 4. MULTIPLE LIGHT SWITCHES, AT THE SAME LOCATION, SHALL BE GANGED TOGETHER UNDER ONE COVER PLATE. DIMMER SWITCHES SHALL BE INSTALLED IMMEDIATELY BELOW SWITCH LOCATIONS.
- 5. POWER PACK FOR OCCUPANCY SENSORS ARE NOT INDICATED ON PLANS. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER PACKS PER OCCUPANCY SENSOR MANUFACTURER'S RECOMMENDATIONS.

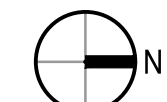
LIGHTING KEYNOTES [X]:

- 1. CONNECT ALL NEW LIGHTING IN RECEPTION/SECRETARIAL AREA TO EXISTING SWITCH.

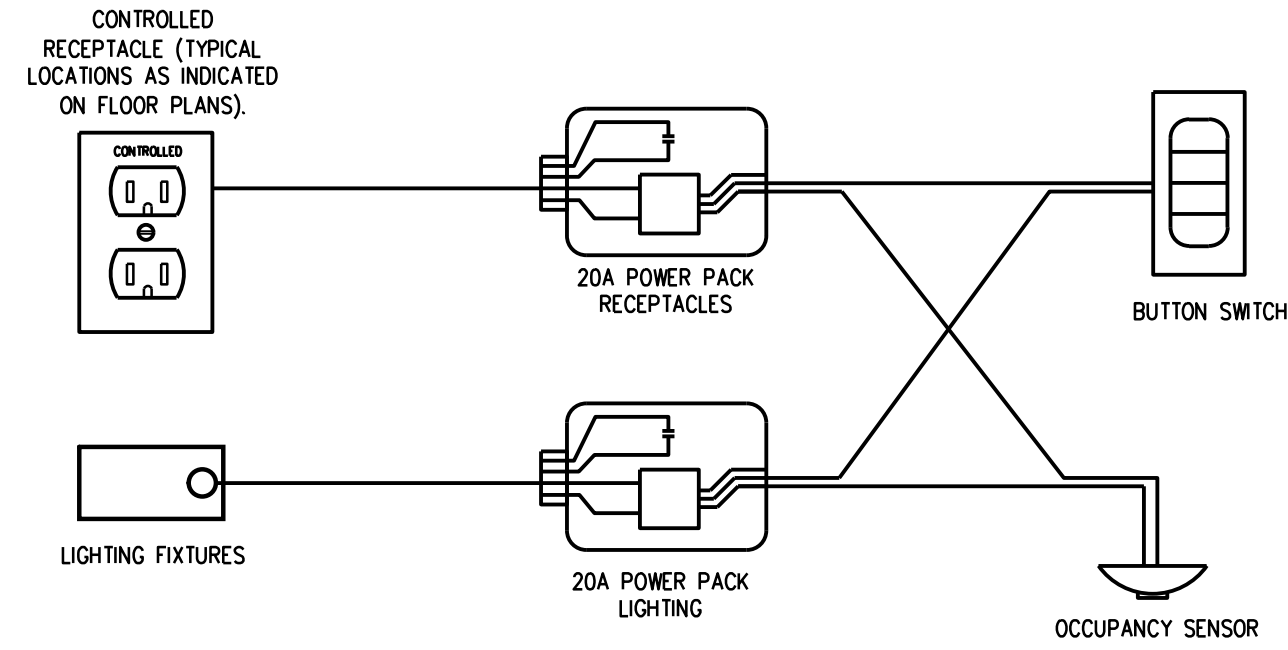
FLOOR PLAN - LIGHTING

02

1/8"=1'-0"



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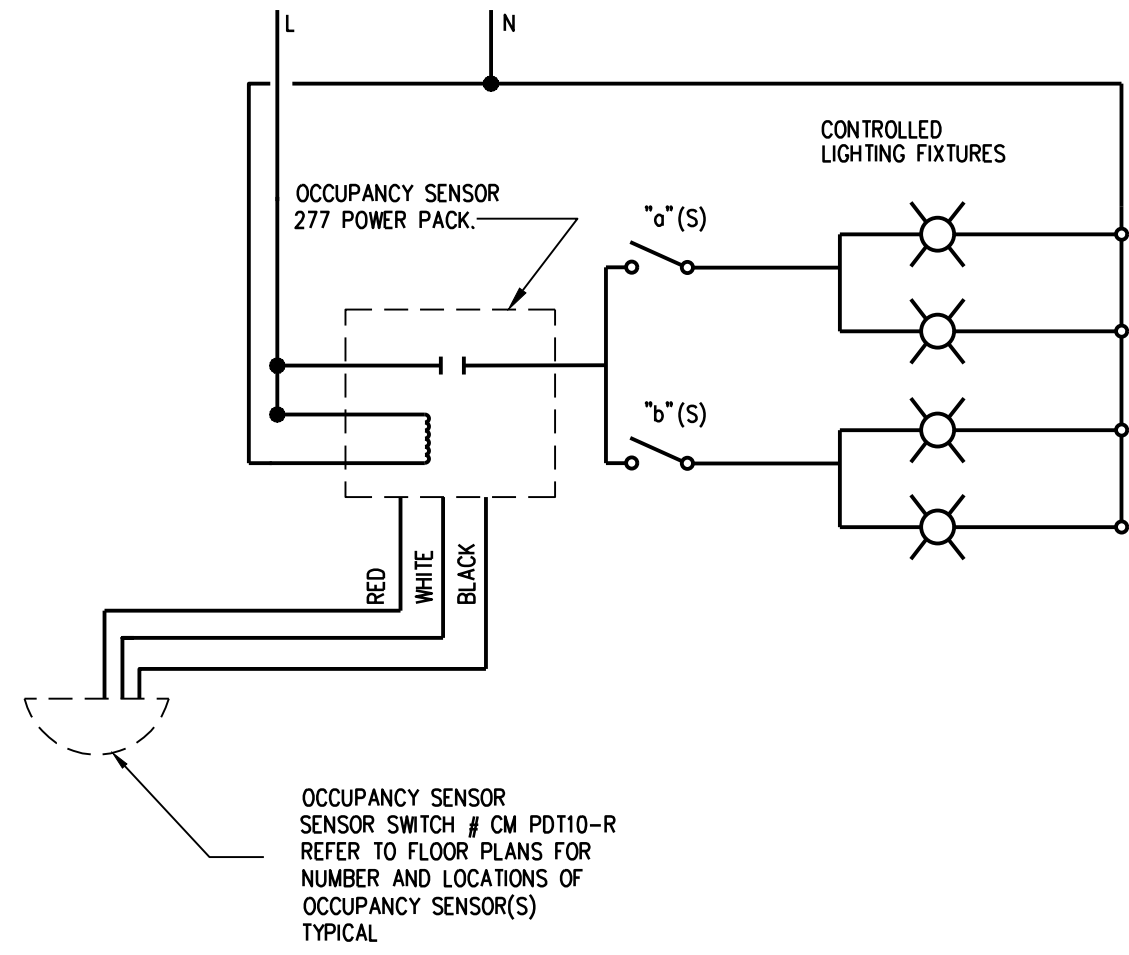


1
TYPICAL RECEPTACLE CONTROL WIRING DIAGRAM

E-501

NOTE: RECEPTACLE AUTOMATIC SHUTOFF CONTROLS DIAGRAM IS CONCEPTUAL AND DOES NOT LIST ALL REQUIRED COMPONENTS. BASIS OF DESIGN IS LEVITON IRC, WATTSTOPPER, SENSORSWITCH, OR APPROVED EQUAL. LIGHTING & RECEPTACLE CONTROLS SYSTEM SHALL BE COMPLIANT WITH ASHRAE 90.1 REQUIREMENTS. CONTRACTOR SHALL SUBMIT LIGHTING CONTROL MANUFACTURER'S SHOP DRAWINGS SHOWING ALL NECESSARY COMPONENTS FOR COMPLIANCE WITH SHUTOFF CONTROLS REQUIREMENTS.

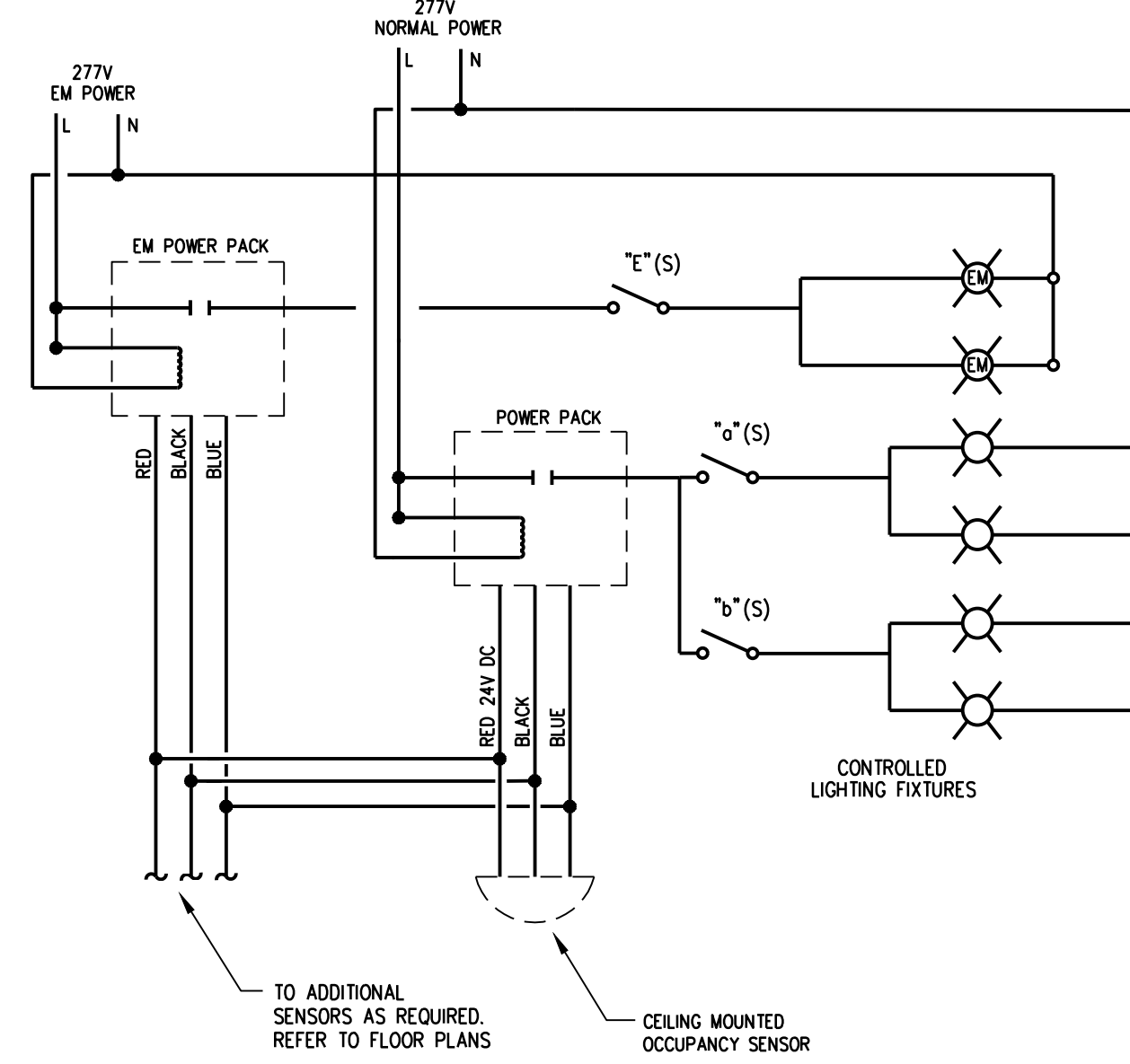
N.T.S.



1
TYPICAL "OS" RELAY DIAGRAM

E5.05

N.T.S.



1
TYPICAL "OS" RELAY DIAGRAM

E8-1

N.T.S.

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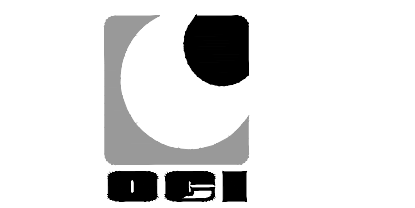
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DETAILS - ELECTRICAL

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E-501