

DUNELAND SCHOOL CORPORATION

2018 RENOVATIONS AT: BAILLY ELEMENTARY SCHOOL

800 S. 5TH STREET, CHESTERTON, INDIANA 46304
 TRIA PROJECT#: 17-065

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GENERAL BUILDING CODE REQUIREMENTS

BUILDING CODES REFERENCED:

2012 INTERNATIONAL BUILDING CODE WITH 2014 INDIANA AMENDMENTS

2006 INTERNATIONAL PLUMBING CODE 2ND EDITION AMENDED INDIANA 2012

2008 NATIONAL ELECTRICAL CODE WITH 2009 INDIANA AMENDMENTS

2012 INTERNATIONAL MECHANICAL CODE WITH 2014 INDIANA AMENDMENTS

INDIANA ENERGY CONSERVATION CODE 2010

2012 INTERNATIONAL FIRE CODE WITH 2014 INDIANA AMENDMENTS

2012 INTERNATIONAL FUEL GAS CODE 2ND EDITION WITH 2014 INDIANA AMENDMENTS

OCCUPANCY CLASSIFICATION:

EDUCATIONAL GROUP E

DESIGN FIRM REGISTRATION:

THOMAS R. SZURGOT

INDIANA LICENSE NUMBER: *A10800173

DRAWING INDEX

T1.00 TITLE SHEET, SITE LOCATION MAP, INDEX, AND GENERAL BUILDING CODE REQUIREMENTS

ARCHITECTURAL

A0.00 LEGEND AND TYPICAL MOUNTING HEIGHTS

A1.10 CONSTRUCTION OPERATIONS SITE PLAN

A2.10 PARTIAL FIRST FLOOR SAFETY REFERENCE PLAN

A0.10 EXISTING PARTIAL FIRST FLOOR PLAN

A0.11 EXISTING PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

A1.10 PARTIAL FIRST FLOOR PLAN

A2.00 DOOR AND FRAME SCHEDULE, DOOR AND FRAME TYPES, AND WALL TYPES

A2.10 DOOR, WINDOW AND FRAME DETAILS

A2.11 DOOR, WINDOW AND FRAME DETAILS

A3.10 INTERIOR ELEVATIONS

A3.11 INTERIOR ELEVATIONS

A4.00 EXTERIOR ELEVATION AND WALL SECTIONS

A6.10 MISCELLANEOUS DETAILS

A7.10 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN AND DETAILS

A9.10 PARTIAL FIRST FLOOR FINISH PLAN

A9.50 ROOM FINISH SCHEDULE AND NOTES

STRUCTURAL

S1.10 PARTIAL FIRST FLOOR FRAMING PLAN AND DETAIL

MECHANICAL

M0.10 PARTIAL FIRST FLOOR MECHANICAL DEMOLITION PLAN

M1.10 PARTIAL FIRST FLOOR MECHANICAL PLAN

M2.10 MECHANICAL SCHEDULES AND NOTES

M2.20 MECHANICAL DIAGRAMS AND ABBREVIATIONS

PLUMBING

P0.10 PARTIAL FIRST FLOOR PLUMBING DEMOLITION PLAN

P1.10 PARTIAL FIRST FLOOR PLUMBING PLAN

P2.10 PLUMBING SPECIFICATIONS

ELECTRICAL

E0.10 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN

E1.10 PARTIAL FIRST FLOOR ELECTRICAL PLAN

E1.20 PARTIAL FIRST FLOOR ELECTRICAL LIGHTING PLAN

E2.10 ELECTRICAL SPECIFICATIONS

E2.20 ELECTRICAL SPECIFICATIONS

E2.30 ELECTRICAL SPECIFICATIONS

SCHOOL BOARD

BOARD PRESIDENT	MRS. KRISTIN KROEGER
BOARD VICE PRESIDENT	MR. JOHN MARSHALL
BOARD SECRETARY	MR. BRANDON KROFT
BOARD MEMBER	MR. MICHAEL TROUT
BOARD MEMBER	MR. RONALD STONE
SUPERINTENDENT	DR. DAVID FRUIS

SITE LOCATION MAP



ADMINISTRATION CENTER /
 DISTRICT OFFICE
 BAILLY ELEMENTARY SCHOOL

ISSUED FOR BID AND PERMIT:

JANUARY 24, 2018

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REVISION

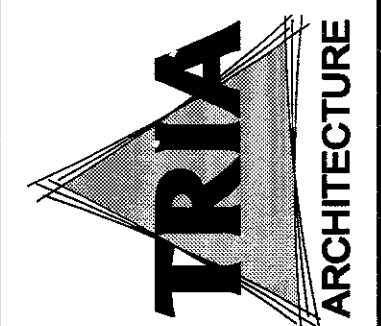
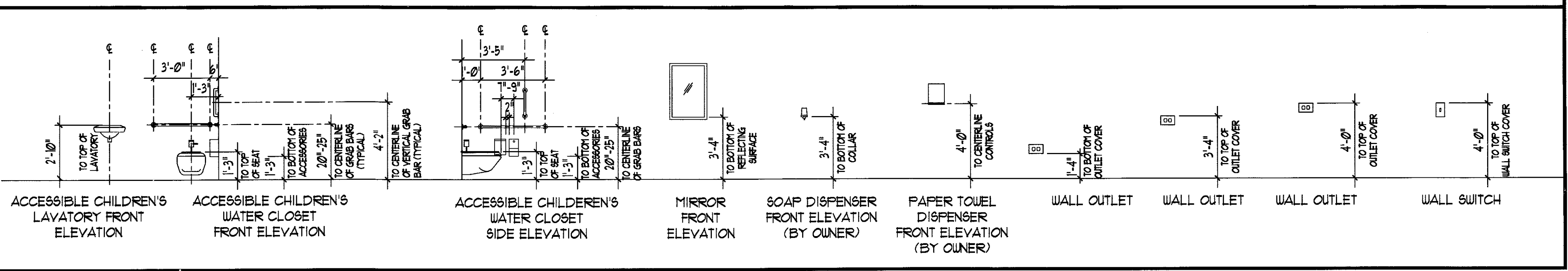
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Bailly

ARCHITECTURAL SYMBOLS AND ABBREVIATIONS

	SAFETY REFERENCE ROOM INFORMATION TAG		ROOF INSULATION TAGS	AP	ACOUSTICAL PANEL	PL	PLASTER
	SAFETY REFERENCE EXIT INFORMATION TAG		2'x4' RECESSED FLUORESCENT FIXTURE	BCS	BABY CHANGING STATION	PRT	PORCELAIN TILE
	SAFETY REFERENCE EGRESS PATH		RECESSED DOWNLIGHT	CH	COAT HOOK	PT	PAINT
	BREAK LINE		PENDANT LINEAR LIGHT FIXTURE	CT	CERAMIC TILE	PTD	PAPER TOWEL DISPENSER
	WINDOW TAG		2' x 4' RECESSED LINEAR LIGHT FIXTURE	CMU	CONCRETE MASONRY UNIT	PTTD	PAPER TOWEL TRASH DISPOSAL
	DOOR TAG		HVAC SUPPLY	CP	CONDENSATE PIPE	RBR	RUBBER
	NORTH ARROW		HVAC RETURN	CPT	CARPET	RBB	RUBBER BASE
	SECTION TAG		S.A.T. CEILING	CRT	CONCRETE	RBT	RUBBER TILE FLOORING
	EXTERIOR ELEVATION TAG		PLASTER OR GYP. BD.	CU	CONDENSING UNIT	RD	ROOF DRAIN
	INTERIOR ELEVATION TAG		ROOM NAME TAG	DF	DRINKING FOUNTAIN	RH	ROOF HATCH
	DETAIL TAG / DRAWING TITLE			EF	EXHAUST FAN	RTU	ROOFTOP UNIT
	WALL TYPE TAG			EP	ELECTRICAL PENETRATION	RST	RUBBER STAIR TREADS AND RISERS
	COLUMN LINE TAG			EQ	EQUAL	REF	REFRIGERATOR
	ELEVATION TAG (HEIGHT)			ETR	EXISTING TO REMAIN	SAT	SUSPENDED ACOUSTICAL TILE
	REMODELING NOTE TAG			EW	ELECTRIC WATER CHILLER	SD	SOAP DISPENSER
	DEMOLITION NOTE TAG			EX	EXISTING	SGT	STRUCTURAL GLAZED TILE
	CASEWORK TAG			EXP	EXPOSED	SIM	SIMILAR
				FD	FLOOR DRAIN	SND	SANITARY NAPKIN DISPOSAL
				F.E.	FIRE EXTINGUISHER	SNP	SANITARY NAPKIN DISPENSER
				F.E.C.	FIRE EXTINGUISHER CABINET	STL	STEEL
				FP	FIRE PROTECTION	TDU	TRASH DISPOSAL UNIT
				GB	GRAB BAR	TRZ	TERRAZZO
				GL	GLAZING	TTD	TOILET TISSUE DISPENSER
				GP	GAS PIPING	TV	TELEVISION
				GYP.	GYP. BOARD	TYP	TYPICAL
				HC	HANDICAPPED ACCESSIBLE	UR	URINAL
				HM	HOLLOW METAL	VCT	VINYL COMPOSITE TILE
				LAV	LAVATORY	V.I.F.	VERIFY IN FIELD
				M.E.	MATCH EXISTING	VP	VENT PIPE
				MI	MIRROR	WC	WATER CLOSET
				MO	MASONRY OPENING	WD	WOOD
				MTL	METAL	WF	WASH FOUNTAIN
				MUA	MAKE-UP AIR	WL C	WALL COVERING
				N.I.C.	NOT IN CONTRACT		
				OH	OPPOSITE HAND		

TYPICAL MOUNTING HEIGHTS

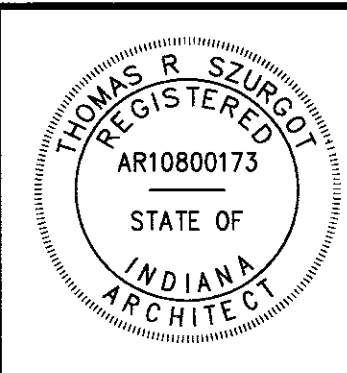


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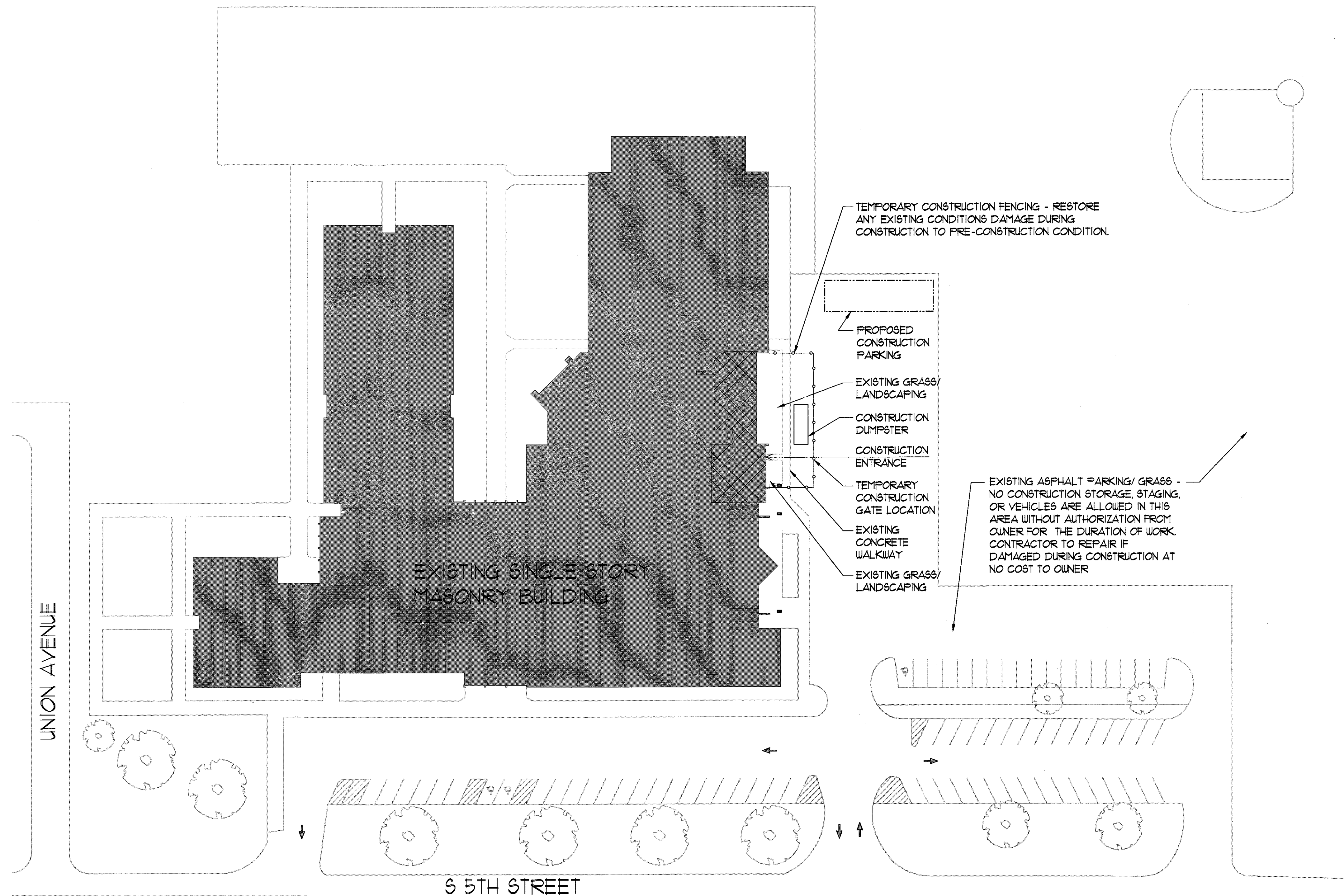
DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



PROJECT NUMBER: 11-005	REVISIONS:
PROJECT MANAGER: TMG	1
DRAWN BY: PBN	2
ISSUED FOR BIDDING AND PERMIT: 01/11/2018	3
SUBJECT: SYMBOLS, ABBREVIATIONS AND TYPICAL MOUNTING HEIGHTS	4



AG0.00



1 CONSTRUCTION OPERATIONS SITE PLAN
1" = 40'-0"

LEGEND
(REFER TO SPECIFICATIONS FOR MORE INFORMATION - INCLUDING SPECIFIC DATES)

AREAS OF WORK

EXISTING BUILDING

DIRECTION OF PUBLIC VEHICLE TRAFFIC

GENERAL NOTES

- COORDINATE DIRECTLY WITH OWNER TO SECURE ALL CONSTRUCTION ZONES AND TO SEPARATE FROM NON-CONSTRUCTION ZONES.
- CONTRACTOR TO COORDINATE EXACT SCOPE OF WORK WITH SUBCONTRACTORS, DESIGN TEAM AND OWNER PRIOR TO START OF WORK.
- PHASE 1 - LOCKER ROOM. PHASE 2 - KINDERGARTEN ROOM. REFER TO SPECIFICATIONS.
- ANY ITEMS ON SITE DAMAGED BY CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL PRE-CONSTRUCTION CONDITION.

FENCING NOTES

- PROVIDE TEMPORARY FENCING AS REQUIRED TO ENCLOSE AND SECURE ALL AREAS OF EXTERIOR WORK - AT ALL TIMES.
- COORDINATE LOCATION OF FENCING WITH OWNER. FENCE AREA SHOWN WAS PROVIDED BY OWNER.
- CONTRACTOR TO COORDINATE WITH OWNER AND OWNER'S LANDSCAPE CONTRACTOR TO PROVIDE ACCESS TO ALL FENCED AREAS FOR MOWING AND FLOWING.

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DUNELAND SCHOOL CORPORATION

2018 RENOVATIONS AT:

BAILLY ELEMENTARY SCHOOL

800 S. 5TH STREET CHESTERTON, INDIANA 46304

PROJECT NUMBER: IL-045

PROJECT MANAGER: MNG

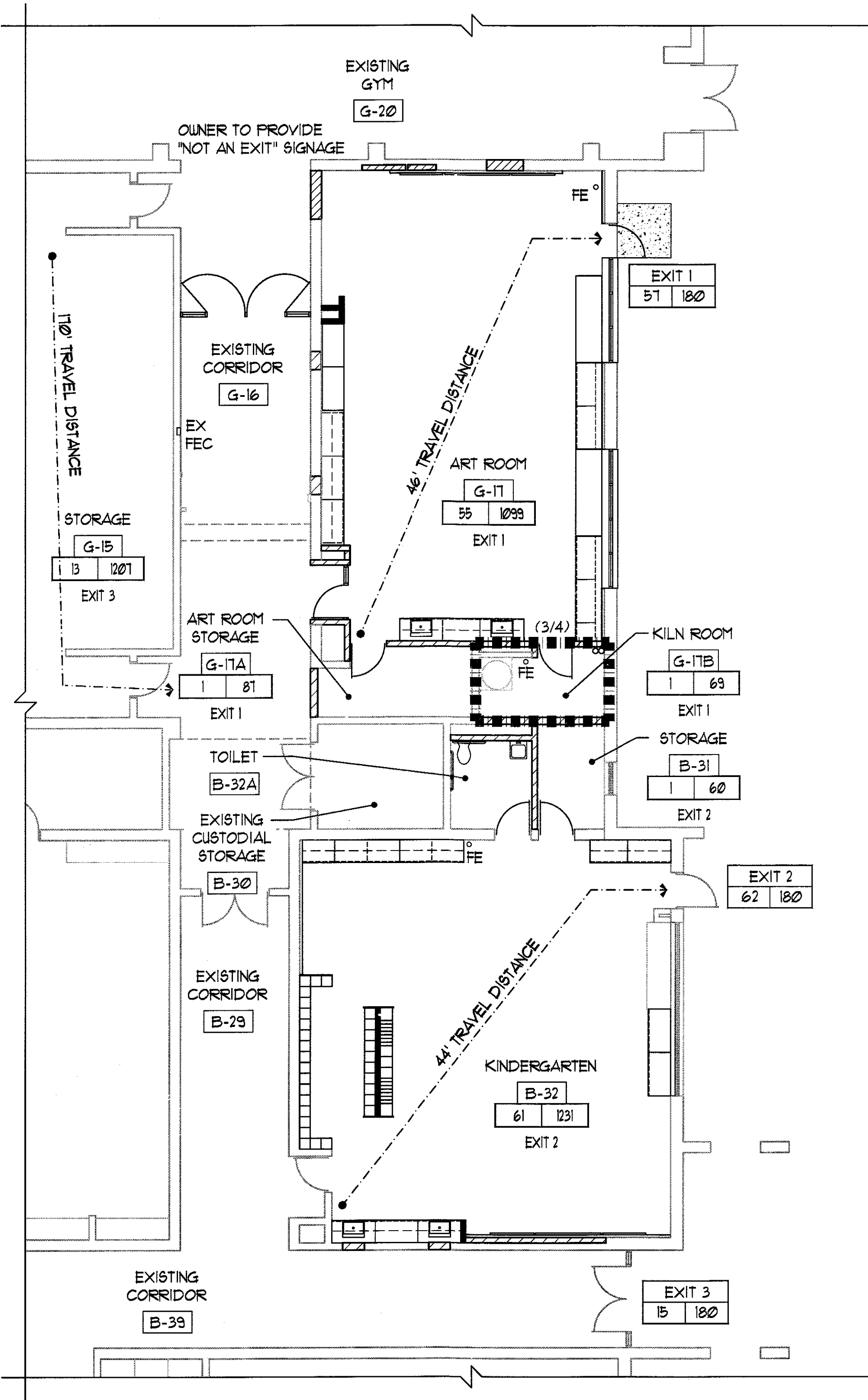
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ISSUED FOR BID AND PERMIT: 08/20/2018

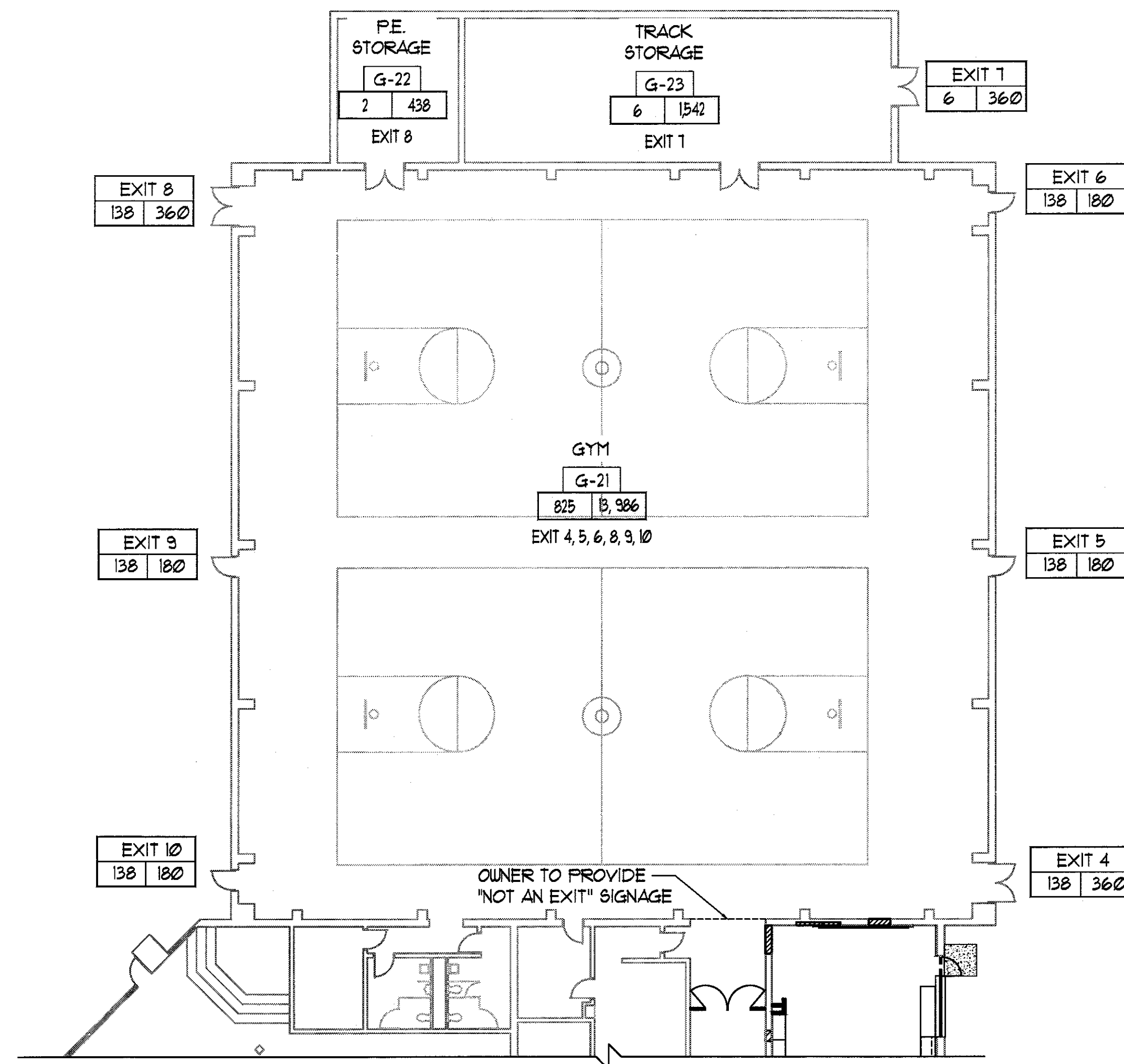
CONSTRUCTION OPERATIONS SITE PLAN

THOMAS R. SZURGOT
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AG1.10



1 PARTIAL FIRST FLOOR SAFETY REFERENCE PLAN
1/8" = 1'-0"



2 PARTIAL FIRST FLOOR SAFETY REFERENCE PLAN
1/8" = 1'-0"

OCCUPANCY

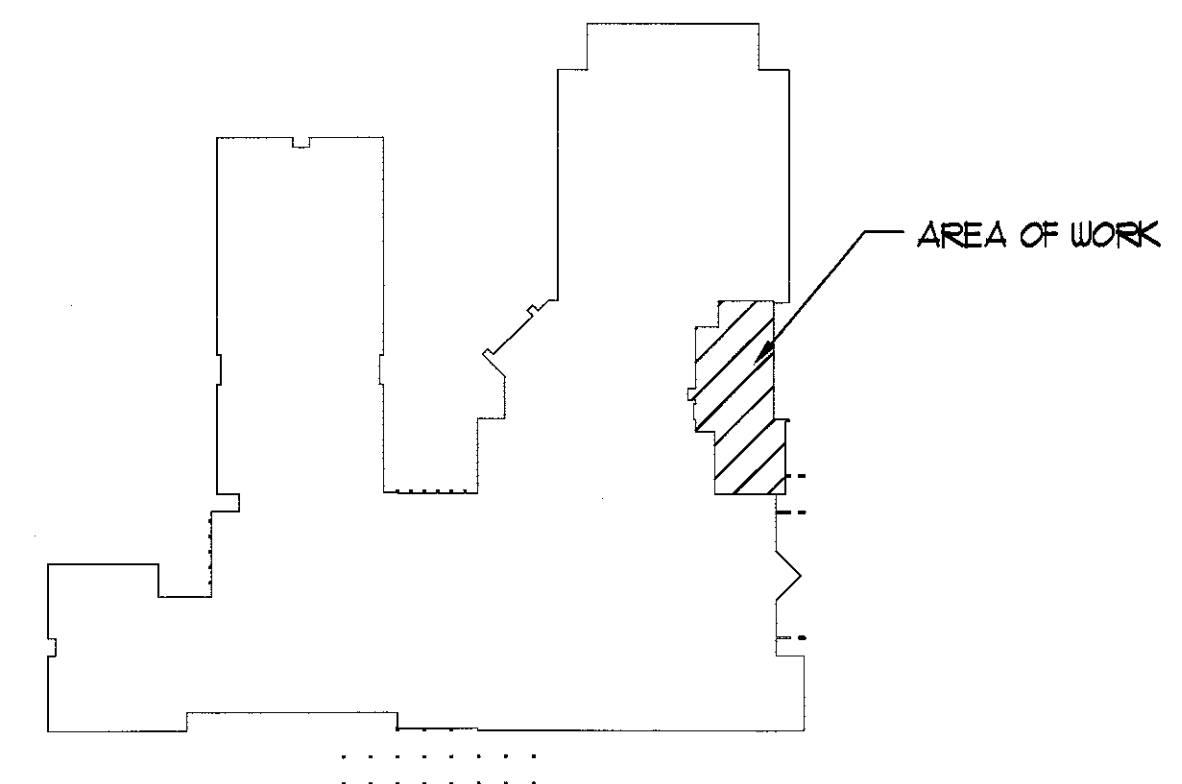
KINDERGARTEN:	61	OCCUPANTS
ART ROOM:	55	OCCUPANTS
STORAGE:		
(B-31)	1	OCCUPANTS
(G-17B)	1	OCCUPANTS
(G-17A)	1	OCCUPANTS
TOTAL OCCUPANCY:	119	OCCUPANTS

GENERAL NOTES

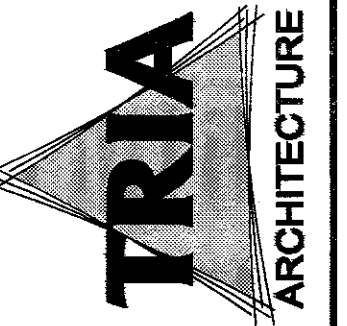
- ALL WORK SHALL COMPLY WITH LOCAL, MUNICIPAL AND STATE CODES.

LEGEND

1-HOUR BUILDING SEPARATION CONSTRUCTION	
FIRE RATING OF DOOR ASSEMBLY IN HOURS (ONLY NEW DOORS AND FRAMES ARE LABELED ON PLAN)	
EXISTING FIRE EXTINGUISHER CABINET	EX FEC
FIRE EXTINGUISHER	FE
FIRE EXTINGUISHER CABINET RECESSED IN NEW WALL CONSTRUCTION	FEC
ROOM OCCUPANCY AND EXIT INFORMATION	OCCUPANCY: X X AREA (S.F.) EXIT X
EXIT EGRESS	EXIT NUMBER: X X EGRESS CAPACITY USED: X X MAXIMUM EGRESS CAPACITY
SAFETY REFERENCE EGRESS PATH AND DISTANCE	XX



KEY PLAN
NOT TO SCALE

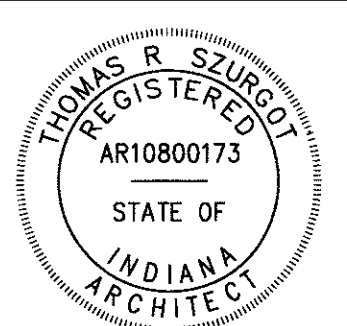


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DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILEY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



PROJECT NUMBER: 11-005
PROJECT OWNER: IHS
DESIGNER: TRIA
DATE: 06/14/2018
PARTIAL FIRST FLOOR
SAFETY REFERENCE PLAN




AG2.10



EXISTING PLAN REFERENCED NOTES

1. EXISTING WALL CONSTRUCTION TO REMAIN.
2. EXISTING DOOR AND FRAME TO REMAIN - PROTECT DURING CONSTRUCTION.
3. EXISTING WINDOW AND GLAZING SYSTEM TO REMAIN - PROTECT DURING CONSTRUCTION.
4. EXISTING MECHANICAL EQUIPMENT TO REMAIN - REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
5. EXISTING CASEWORK/COUNTERTOP TO BE REMOVED IN ITS ENTIRETY. REPAIR PATCH AND PAINT EXISTING MASONRY WALL AS REQUIRED TO MATCH ADJACENT FINISH.
6. EXISTING DOOR AND FRAME TO BE REMOVED IN ITS ENTIRETY.
7. EXISTING MARKER BOARD/TACK BOARD TO BE REMOVED - REMOVE ALL ADHESIVE AND INFILL/PATCH AS NECESSARY TO CREATE A SMOOTH, PAINTABLE SURFACE.
10. EXISTING MARKER BOARD/TACK BOARD TO BE REMOVED - REMOVE ALL ADHESIVE, INFILL/PATCH AND CLEAN AS NECESSARY TO CREATE EXPOSED FACE BRICK WALL SURFACE.
8. EXISTING PLUMBING FIXTURES AND ALL ACCESSORIES TO BE REMOVED IN THEIR ENTIRETY - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
9. EXISTING FLOOR FINISH AND ASSOCIATED WALL BASE TO BE REMOVED IN THEIR ENTIRETY - PREPARE FLOOR/WALL TO RECEIVE FLOOR FINISH AND BASE.
10. EXISTING KILN TO BE REMOVED. STORE, PROTECT FOR RE-INSTALLATION - REFER TO MECHANICAL DRAWINGS.
11. EXISTING CASEWORK, COUNTERTOP, SPRAY BOOTH TO BE REMOVED IN ITS ENTIRETY - REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
12. EXISTING WINDOW/ INFILL PANEL SYSTEM TO REMAIN.
13. EXISTING WALL CONSTRUCTION TO BE REMOVED TO THE EXTENT REQUIRED TO PROVIDE WORK INDICATED - REMOVE MASONRY IN WHOLE UNITS - REFER TO FLOOR PLANS AND MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS.
14. EXISTING MECHANICAL EQUIPMENT TO BE REMOVED IN ITS ENTIRETY - REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
15. SAWCUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED TO PROVIDE WORK INDICATED - REFER TO PLUMBING DRAWINGS.
16. EXISTING LOCKER CONCRETE BASE TO BE REMOVED IN ITS ENTIRETY. PREPARE FLOOR TO RECEIVE FLOOR FINISH.
17. EXISTING RECESSED ACCESS PANEL TO BE REMOVED IN ITS ENTIRETY - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
18. EXISTING CONCRETE STEP TO BE REMOVED IN ITS ENTIRETY. PREPARE FLOOR TO RECEIVE FLOOR FINISH.
19. EXISTING TOILET PARTITIONS AND ACCESSORIES TO BE REMOVED IN ITS ENTIRETY.
20. EXISTING MULTIPLE UNIT MASONRY WALL CONSTRUCTION TO BE REMOVED ONLY TO THE EXTENT REQUIRED TO PROVIDE WORK INDICATED - REMOVE MASONRY IN WHOLE UNITS - REFER TO SHEET A400 AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
21. EXISTING WALL FINISH TO BE REMOVED TO EXISTING MASONRY.
22. WITHIN OUTLINED AREA - EXISTING FLOOR FINISH AND SLOPED SUBFLOOR TO BE REMOVED. CONTRACTOR TO PROVIDE SMOOTH, FLAT AND LEVEL SUBFLOOR PER NEW FLOOR FINISH MANUFACTURER'S TOLERANCE WITH MATERIAL SUITABLE TO FLOOR FINISH.
23. EXISTING FLOOR FINISH TO BE MODIFIED AS REQUIRED TO PROVIDE WORK INDICATED.
24. EXISTING DRINKING FOUNTAINS TO REMAIN - PROTECT DURING CONSTRUCTION.
25. EXISTING FIRE EXTINGUISHER TO REMAIN - PROTECT DURING CONSTRUCTION.
26. EXISTING WOOD WINDOW SILL TO BE REMOVED.

LEGEND

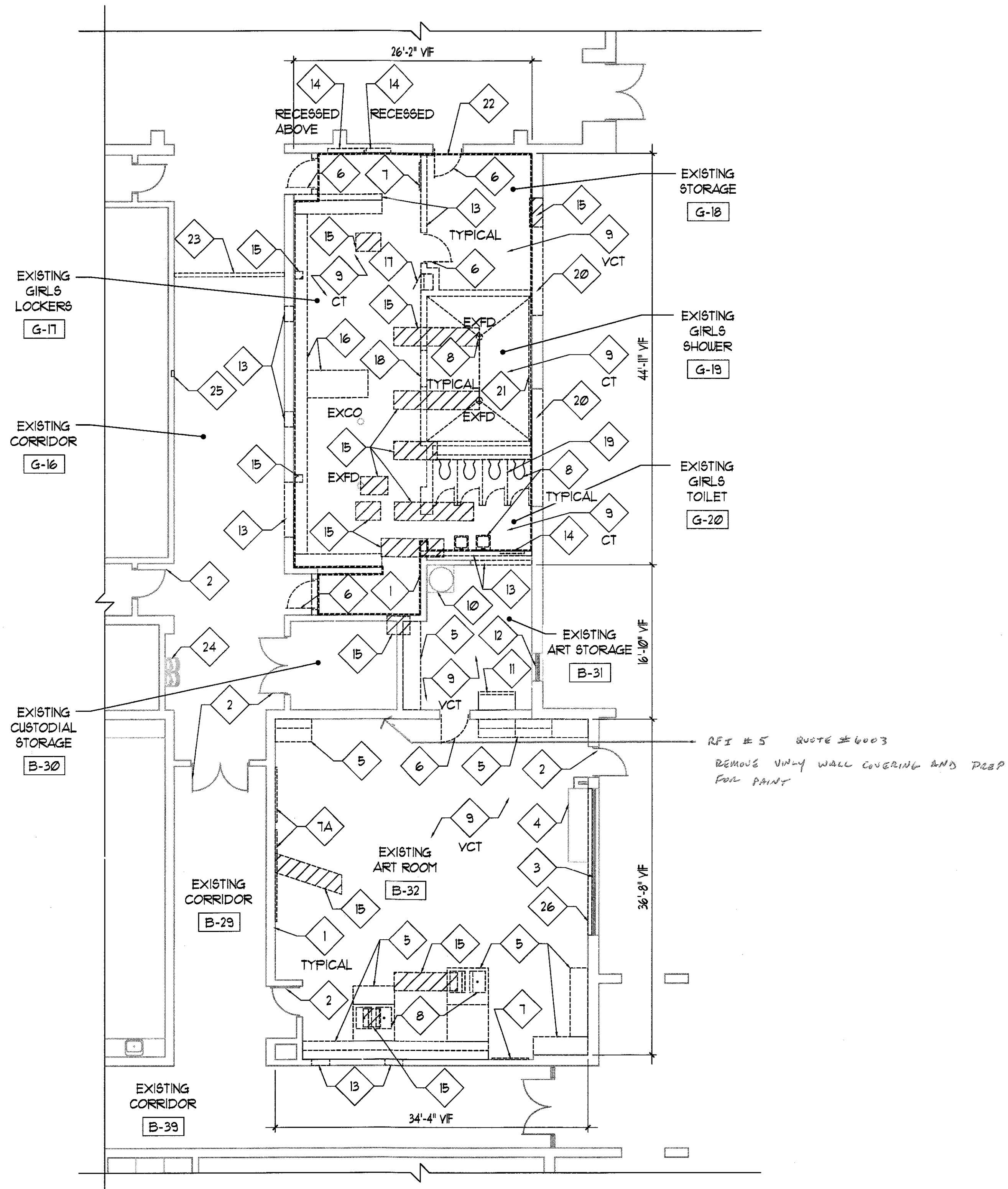
- | | |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ----- | EXISTING CONSTRUCTION TO BE REMOVED |
| ----- | EXISTING CONSTRUCTION TO REMAIN |
| EXFD | EXISTING FLOOR DRAIN - REFER TO PLUMBING DRAWINGS |
| EXCO | EXISTING CLEANOUT - REFER TO PLUMBING DRAWINGS |
|  | HATCH INDICATES AREA OF CONCRETE SLAB TO BE REMOVED TO PROVIDE WORK INDICATED - REFER TO PLUMBING DRAWINGS - CONTRACTOR IS RESPONSIBLE TO VERIFY ITEMS UNDERSLAB PRIOR TO CUTTING. |

EXISTING PLAN GENERAL NOTES

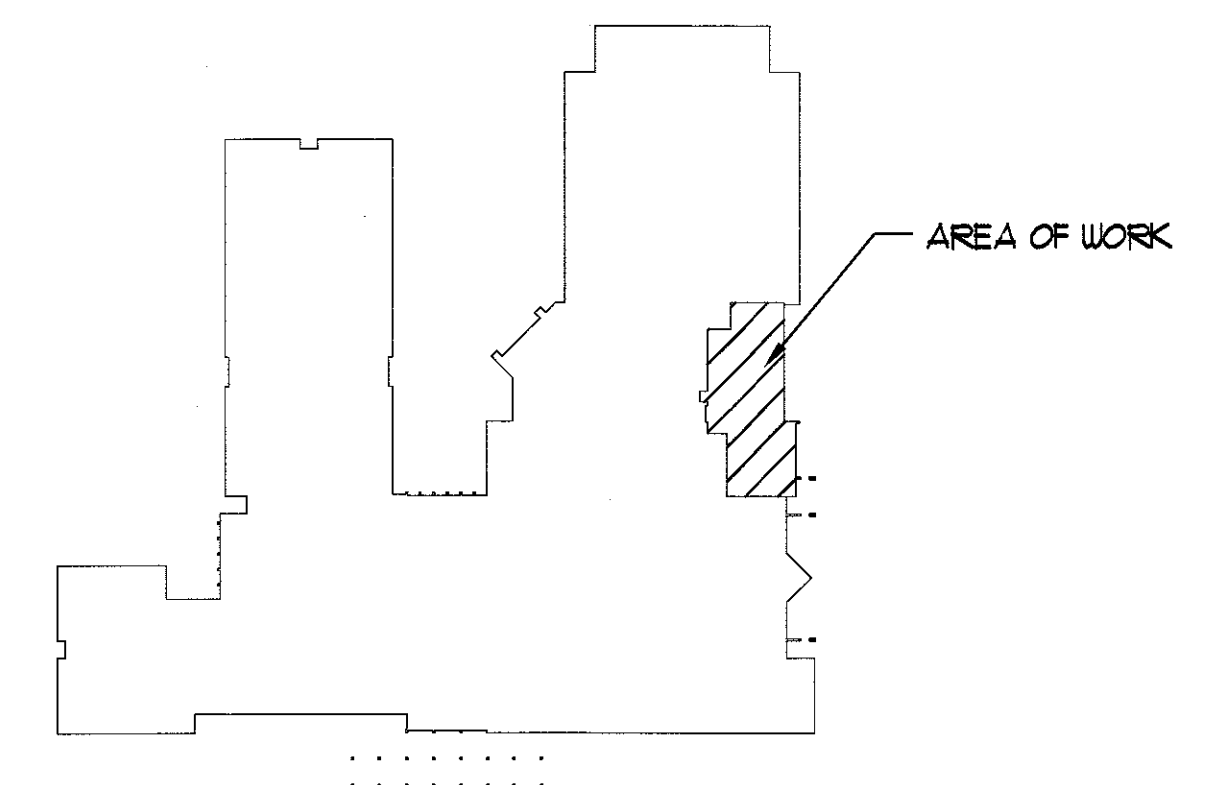
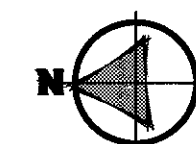
1. REFER TO FLOOR PLANS FOR SCOPE OF NEW WORK.
2. FIELD VERIFY ALL EXISTING CONDITIONS. IN THE EVENT THAT AN ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM. ITEMS SHOWN ARE INDICATED TO GIVE A GENERAL SCOPE OF WORK. ANY ITEMS REQUIRING REMOVAL/DEMOLITION TO PROPERLY PERFORM CONTRACT WORK BUT NOT SPECIFICALLY SHOWN, SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST, PROVIDING THE CONDITION WAS VISIBLE DURING BIDDING.
3. SHORE OR BRACE ALL EXISTING CONSTRUCTION AS REQUIRED TO PERFORM WORK. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, INFILLING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING, AND REFINISHING SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION.
5. REMOVE ALL EQUIPMENT LOCATED ON OR WITHIN WALL CONSTRUCTION SCHEDULED TO BE REMOVED, SO AS TO NOT DISRUPT EXISTING BUILDING OPERATIONS. DISCONNECT ALL ELECTRICAL WIRING, PULL WIRE BACK TO NEAREST JUNCTION BOX OR TO SERVICE.
6. PROTECT ALL EXISTING FINISHES, EQUIPMENT, AND ADJACENT WORK NOT SCHEDULED TO BE REMOVED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED FINISHES, EQUIPMENT, OR ADJACENT SURFACES SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
7. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
8. THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ANY MATERIAL, EQUIPMENT OR FIXTURE TO BE REMOVED
9. WHERE POSSIBLE - RUN NEW ELECTRICAL WORK INSIDE WALL AND CEILING CONSTRUCTION (NEW AND EXISTING) - REMOVE EXISTING WALL/CEILING CONSTRUCTION SCHEDULED TO REMAIN AS REQUIRED TO PERFORM WORK INDICATED - PATCH ALL CONSTRUCTION TO PROVIDE A FINISHED CONDITION.
10. AT ALL EXISTING GRASS AREAS, LANDSCAPING ITEMS OR CONCRETE/ASPHALT SURFACES TO REMAIN - PROTECT DURING CONSTRUCTION AND REPAIR ANY AREAS DAMAGED OR OTHERWISE AFFECTED DURING CONSTRUCTION.
11. REMOVE/RELOCATE ALL ACCESSORIES ON WALL CONSTRUCTION TO BE REMOVED.
12. GENERAL CONTRACTOR TO COORDINATE ALL ARCHITECTURAL WORK WITH INDICATED STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION WORK - NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
13. PATCH ALL EXISTING OPENINGS AT ALL EQUIPMENT SCHEDULED TO BE REMOVED, INCLUDING ABOVE CEILING- MATCH EXISTING WALL CONSTRUCTION IN MATERIAL THICKNESS, SIZE AND COLOR, UNLESS NOTED OTHERWISE - REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.

FURNITURE / EQUIPMENT RELOCATION NOTES

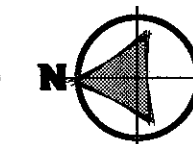
1. OWNER TO REMOVE AND REINSTALL ALL ART ROOM LOOSE FURNITURE AND ELECTRONIC EQUIPMENT UNLESS OTHERWISE NOTED - REMOVED FURNITURE/EQUIPMENT ITEMS WILL BE STORED ON SITE - CONTRACTOR TO COORDINATE MOVING SCOPE AND STORAGE LOCATIONS WITH OWNER PRIOR TO BEGINNING ANY WORK
2. OWNER TO REMOVE ALL LOCKER ROOM LOOSE FURNITURE, FIXTURES, STORAGE AND MISCELLANEOUS ITEMS UNLESS OTHERWISE NOTED - REMOVED ITEMS WILL BE STORED ON SITE - CONTRACTOR TO COORDINATE MOVING SCOPE AND STORAGE LOCATIONS WITH OWNER PRIOR TO BEGINNING ANY WORK



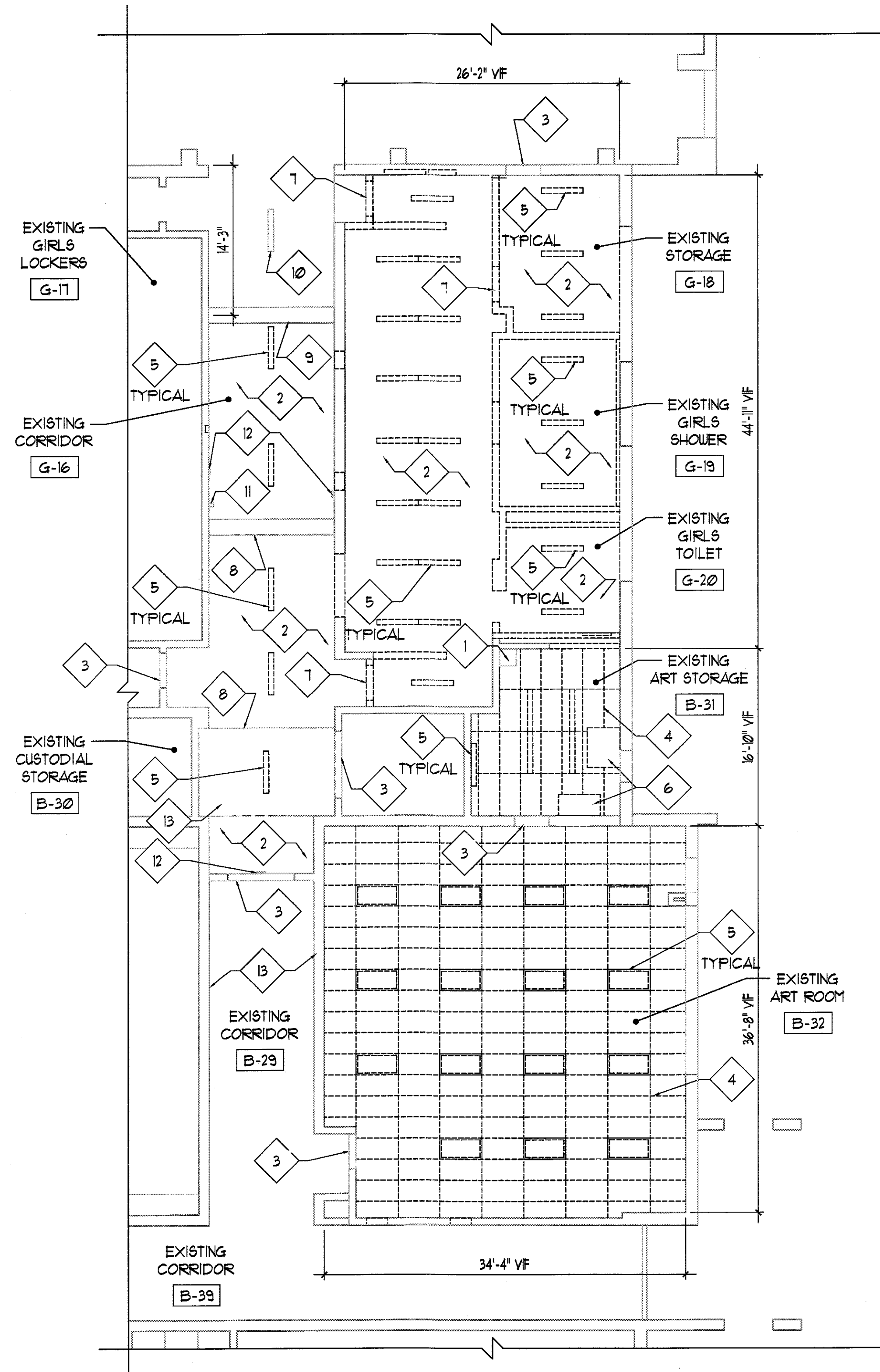
1 EXISTING PARTIAL FIRST FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE



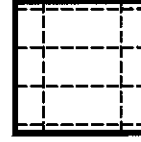
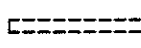
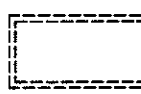
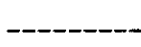

A0.10



EXISTING REFLECTED CEILING PLAN REFERENCED NOTES

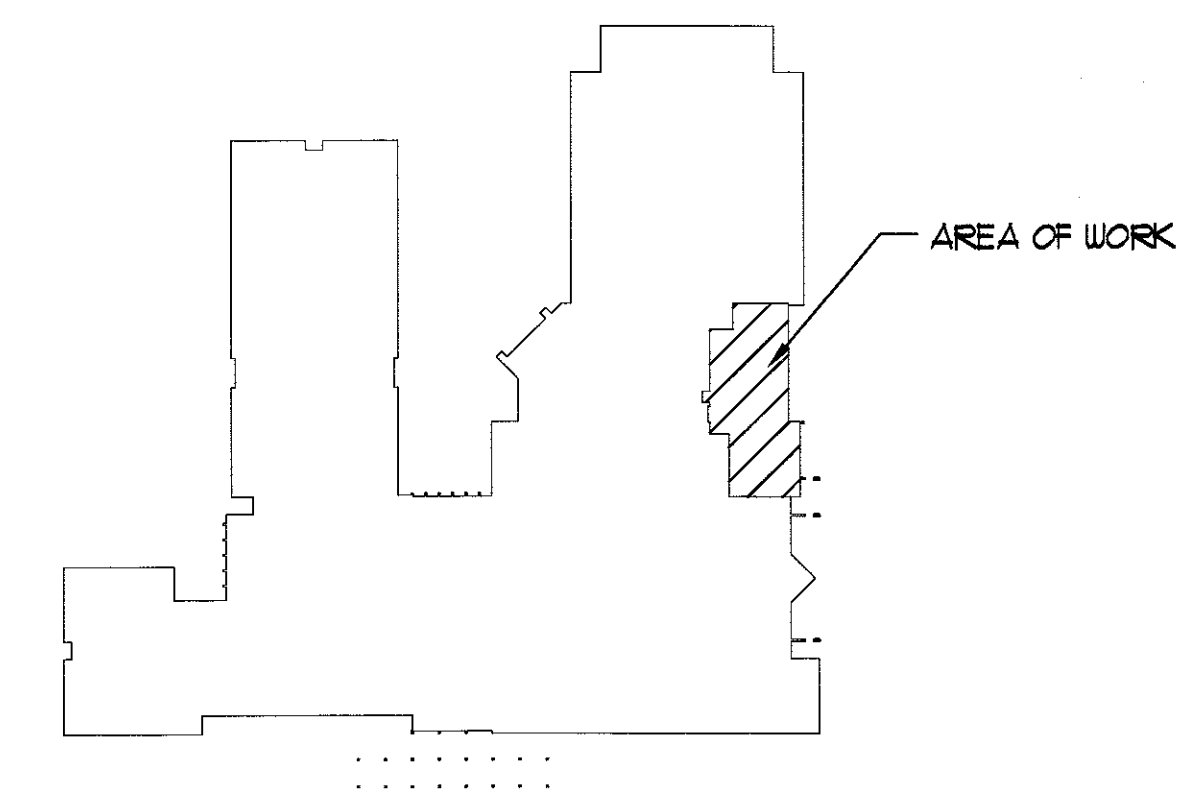
- EXISTING KILN HOOD TO REMAIN - PROTECT DURING CONSTRUCTION.
- EXPOSED PRE-CAST CONCRETE CEILING PANEL TO REMAIN. AT REMOVED ITEMS, PATCH/ REPAIR TO MATCH ADJACENT CONSTRUCTION.
- EXISTING HEAD WALL CONSTRUCTION TO REMAIN.
- EXISTING SUSPENDED ACOUSTICAL TILE CEILING SYSTEM TO BE REMOVED IN ITS ENTIRETY.
- EXISTING LIGHT FIXTURES TO BE REMOVED.
- EXISTING MECHANICAL EQUIPMENT TO BE REMOVED IN ITS ENTIRETY - REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- EXISTING HEAD WALL CONSTRUCTION TO BE REMOVED.
- EXISTING SOFFIT TO REMAIN.
- PREPARE CEILING FOR NEW GYPSUM SOFFIT - REFER TO A110 FOR MORE INFORMATION.
- EXISTING LIGHT FIXTURE TO REMAIN - PROTECT DURING CONSTRUCTION - REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- EXISTING SPEAKER TO BE REMOVED BY OWNER.
- EXISTING ELECTRICAL EQUIPMENT TO REMAIN - PROTECT DURING CONSTRUCTION - REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- REMOVE AND REINSTALL CEILING AT REQUIRED, TO PROVIDE NEW WORK INDICATED - REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

LEGEND

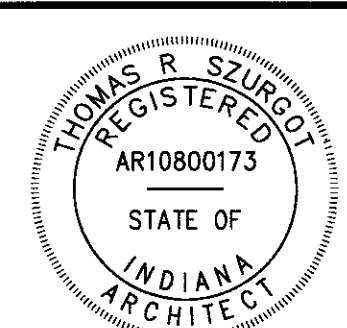
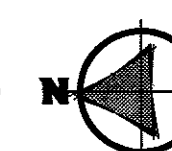
-  2'x4' SUSPENDED ACOUSTICAL TILE CEILING TO BE REMOVED IN ITS ENTIRETY. REMOVE ALL LIGHTS, LOUVERS, AND OTHER DEVICES.
-  LIGHT FIXTURE TO BE REMOVED - REFER TO ELECTRICAL DRAWINGS
-  2' X 4' RECESSED LIGHT FIXTURE TO BE REMOVED - REFER TO ELECTRICAL DRAWINGS
-  EXISTING CONSTRUCTION TO BE REMOVED
-  EXISTING CONSTRUCTION TO REMAIN

EXISTING REFLECTED CEILING PLAN GENERAL NOTES

- ALL EXISTING CEILING SYSTEMS, LIGHTS, EQUIPMENT AND CEILING-MOUNTED SPEAKERS TO BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE - REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
- REFER TO SHEETS A110 AND MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR SCOPE OF NEW WORK.
- REFER TO ELECTRICAL PLANS FOR ADDITIONAL CEILING MOUNTED DEVICES AND EQUIPMENT TO BE REMOVED.
- CONTRACTOR TO VERIFY ALL EXISTING CEILING HEIGHTS PRIOR TO BEGINNING WORK ON ANY CEILING SCHEDULED TO RECEIVE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS. IN THE EVENT THAT AN ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM. ITEMS SHOWN ARE INDICATED TO GIVE A GENERAL SCOPE OF WORK. ANY ITEMS REQUIRING REMOVAL/DEMOLITION TO PROPERLY PERFORM CONTRACT WORK BUT NOT SPECIFICALLY SHOWN, SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST, PROVIDING THE CONDITION WAS VISIBLE DURING BIDDING.
- SHORE OR BRACE ALL EXISTING CONSTRUCTION AS REQUIRED TO PERFORM DEMOLITION WORK.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, INFILLING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING, AND REFINISHING SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION.
- PROTECT ALL EXISTING FINISHES, EQUIPMENT, AND ADJACENT WORK NOT SCHEDULED TO BE REMOVED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED FINISHES, EQUIPMENT, OR ADJACENT SURFACES SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ANY MATERIAL OR EQUIPMENT REMOVED.



KEY PLAN
NOT TO SCALE



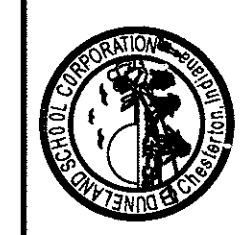
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DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



REVISIONS	DATE	BY	CHKD	APP'D
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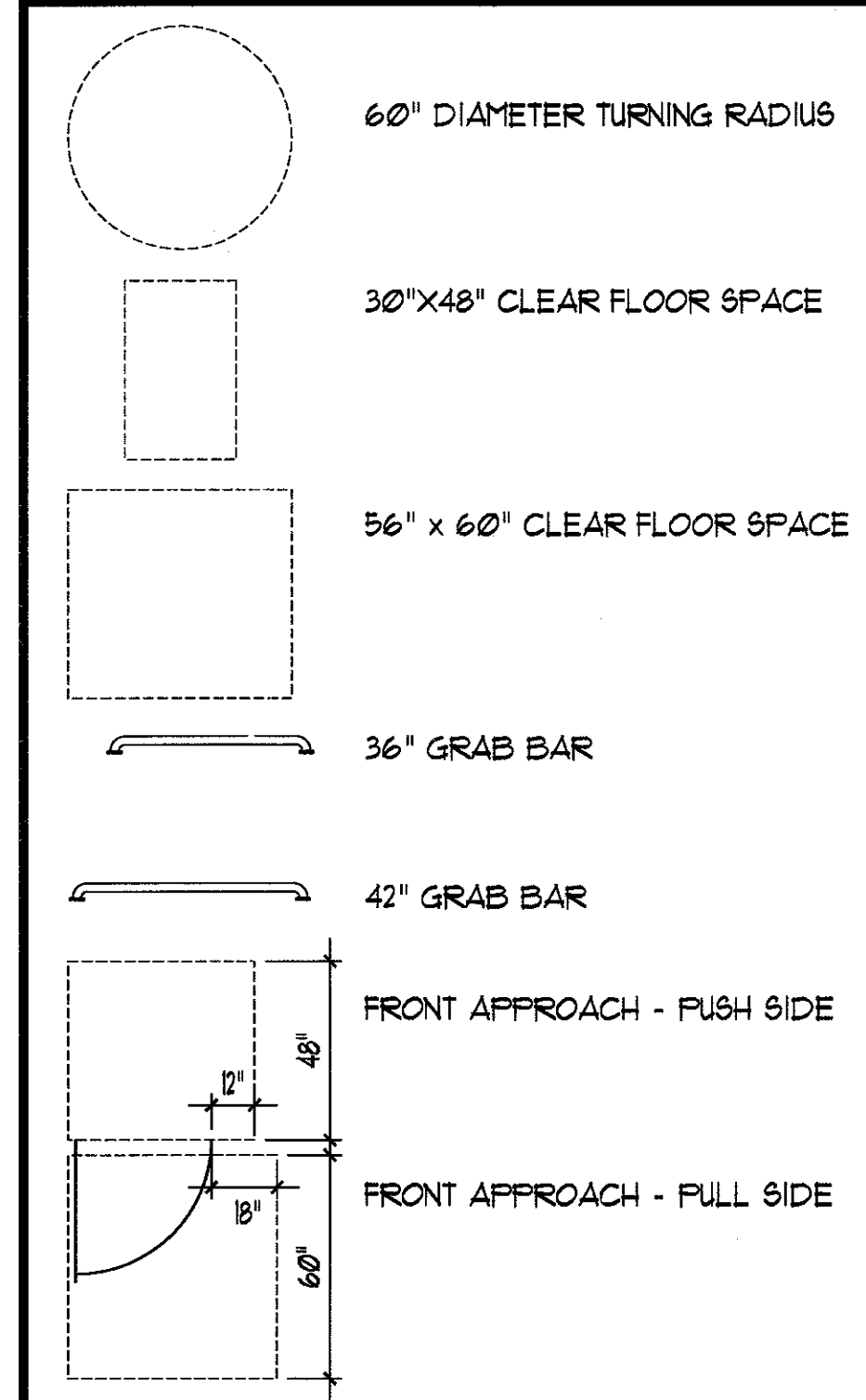
FLOOR PLAN REFERENCED NOTES

- EXISTING MASONRY WALL CONSTRUCTION.
- EXISTING DOOR AND FRAME.
- EXISTING WINDOW AND GLAZING SYSTEM.
- EXISTING MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- CASEWORK - REFER TO SHEETS A3.10 AND A6.10 FOR MORE INFORMATION.
- PLUMBING FIXTURE - REFER TO PLUMBING DRAWINGS.
- 36"X48" MARKERBOARD/ 12"X48" TACK BOARD.
- BUILD UP EXISTING WALL CONSTRUCTION TO MAKE FLUSH - MATCH EXISTING SURFACES IN COLOR, FINISH, THICKNESS AND TEXTURE - WALLS GO TO DECK.
- PLUMBING FIXTURES - REFER TO PLUMBING DRAWINGS.
- EXISTING KILN TO BE REINSTALLED.
- EXISTING WINDOW/INFILL PANEL SYSTEM.
- MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
- INFILL OPENING IN EXISTING MASONRY WALL CONSTRUCTION - MATCH EXISTING SURFACES IN COLOR, FINISH, THICKNESS, AND TEXTURE - TOOTH IN MASONRY IN WHOLE UNITS - WALLS MUST GO TO DECK.
- PARTIAL PARTITION WALL - REFER TO SHEETS A2.00 AND A3.10 FOR MORE DETAILS.
- CONCRETE STOOP - REFER TO STRUCTURAL DRAWING 2/5110 FOR DETAILS. RESTORE LANDSCAPE TO PRE-CONSTRUCTION CONDITION.
- SOLID SURFACE WINDOW SILL - REFER TO 3/A2.11 FOR MORE INFORMATION.
- EXISTING DRINKING FOUNTAINS.
- PATCH CONCRETE SLAB AT ALL AREAS OF SAWCUTTING - MATCH EXISTING SLAB IN CONSTRUCTION - EMBED 12" DOUELS 6" INTO EXISTING SLAB AT 12" ON CENTER - WRAP ONE END IN BOND BREAK PAPER.
- PATCH FLOOR AT REMOVED CONCRETE LOCKER BASES.
- PATCH WALL AT REMOVED ELECTRICAL EQUIPMENT.

ABBREVIATIONS

- CO CLEANOUT - REFER TO PLUMBING DRAWINGS.
- FD FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
- GB GRAB BAR
- HC HANDICAPPED ACCESSIBLE LAVATORY.
- HC HANDICAPPED ACCESSIBLE WATER CLOSET.
- MI MIRROR (ADA - 24"X 36").
- PTD PAPER TOWEL DISPENSER - PROVIDED AND INSTALLED BY OWNER
- TTD TOILET TISSUE DISPENSER - PROVIDED AND INSTALLED BY OWNER
- VIF VERIFY IN FIELD.

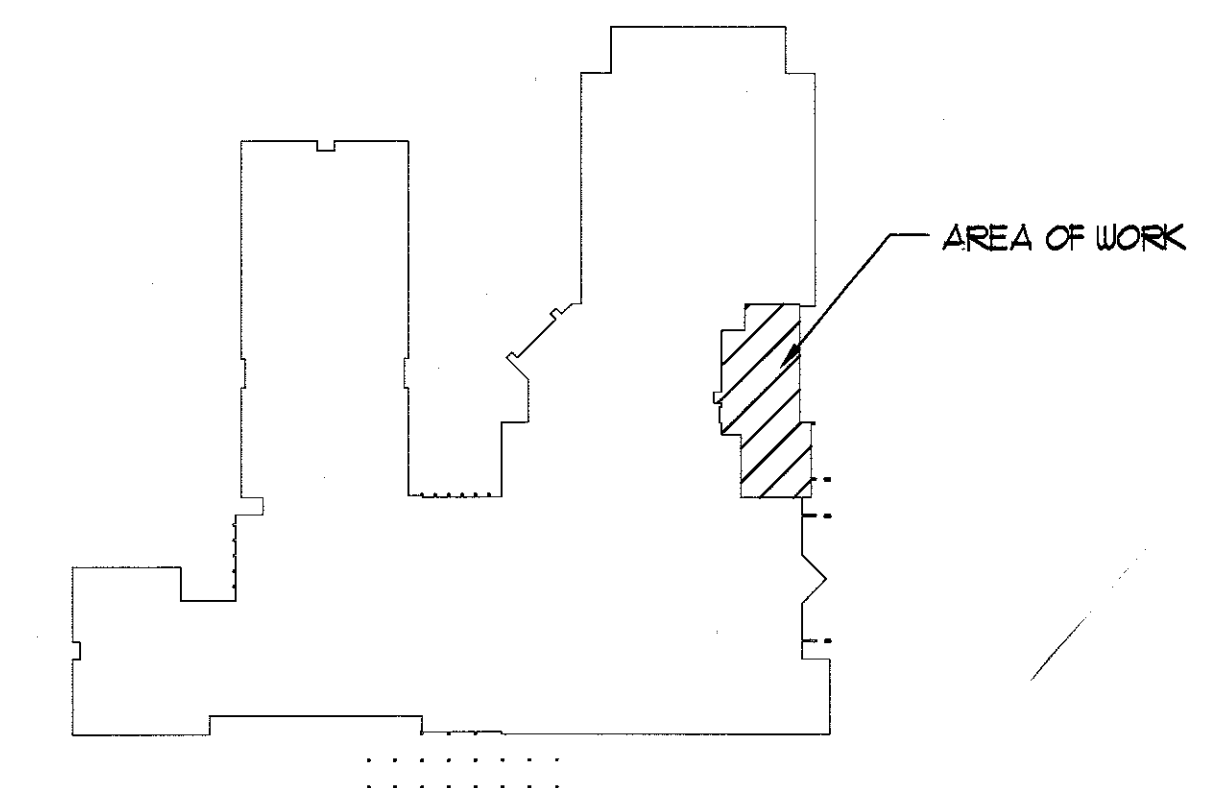
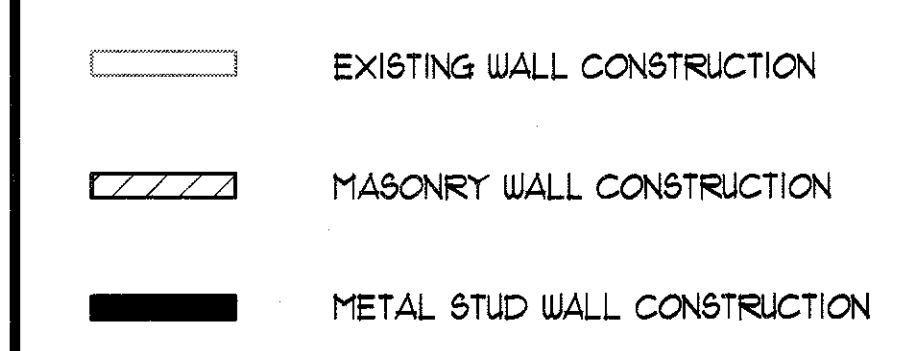
TOILET ROOM LEGEND



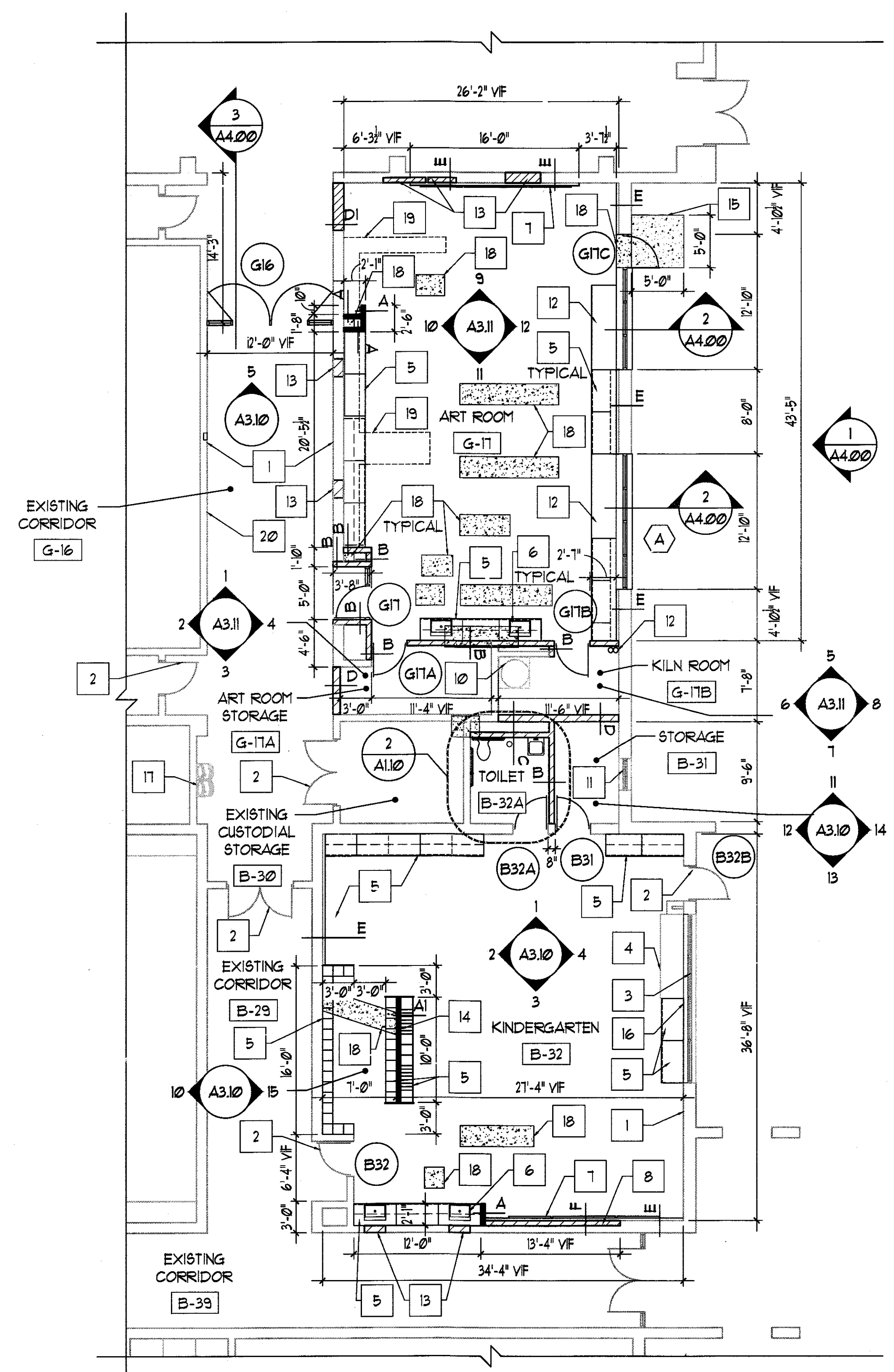
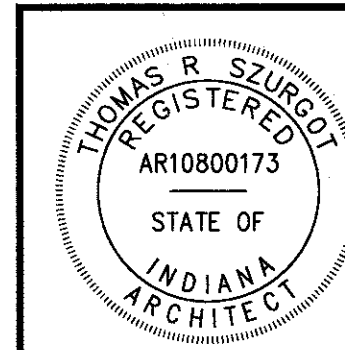
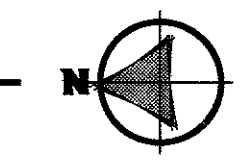
GENERAL NOTES

- VERIFY EXACT DIMENSIONS OF ALL EXISTING CONDITIONS IN FIELD.
- ALL CONTRACTORS SHALL REPORT ALL DISCREPANCIES OR DIMENSIONAL QUESTIONS TO THE ATTENTION OF THE ARCHITECT PRIOR TO INSTALLATION.
- REFER TO PROJECT MANUAL FOR PRODUCTS, MATERIALS, PROCEDURES AND ADDITIONAL INFORMATION NOT COVERED IN DRAWINGS.
- PROTECT ALL EXISTING FINISHES, EQUIPMENT, AND ADJACENT WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED FINISHES, EQUIPMENT, OR ADJACENT SURFACES SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- REFER TO SHEET A2.00 FOR DOOR AND FRAME SCHEDULE.
- REFER TO SHEET A2.00 FOR DESCRIPTION OF WALL TYPES.
- REFER TO SHEET A3.50 FOR ROOM FINISH SCHEDULE.
- PATCH, PAINT, AND CLEAN EXISTING WALLS, FLOORS, AND CEILINGS AT ALL LOCATIONS OF ITEMS SCHEDULED TO BE REMOVED. TOOTH IN MASONRY IN WHOLE UNITS. FINISH TO MATCH ADJACENT SURFACES IN MATERIAL AND TEXTURE. REFER TO ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
- PAINT ALL EXPOSED WALL, PLASTER OR GYPSUM CEILING AND SOFFIT, AND EXPOSED STRUCTURE UNLESS NOTED OTHERWISE.
- ALL EXPOSED PIPING, DUCTWORK, ELECTRICAL CONDUIT, AND ALL OTHER EXPOSED MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS TO BE PAINTED UNLESS NOTED OTHERWISE.
- ALL HOLLOW METAL FRAMES (NEW AND EXISTING) WITHIN WORK AREAS SHALL BE PAINTED; UNLESS NOTED OTHERWISE - PAINT ALL EXPOSED SURFACES.
- AT REMOVED MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT, INFILL WALL CONSTRUCTION TO MATCH EXISTING ADJACENT WALL CONSTRUCTION. IF OPENING IS BELOW CEILING - PAINT.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- UPON REMOVAL OF EXISTING WALLS, CONTRACTOR SHALL GRIND HIGH SPOTS OR FILL DEPRESSIONS IN FLOOR WITH A MATERIAL SUITABLE TO THE FLOORING MANUFACTURER AT LOCATIONS OF EXISTING WALLS SCHEDULED TO BE REMOVED. PROVIDE A SMOOTH FLOOR SURFACE FLUSH WITH ADJACENT SURFACES.
- PROVIDE LINTELS ABOVE ALL DOORS, CUT PENETRATIONS, LOUVERS, ETC.
- CONTRACTOR TO REPAIR/PATCH ALL EXPOSED EXISTING HOLES IN EXISTING WALLS - FINISH TO MATCH EXISTING WALL CONSTRUCTION - AT FIRE RATED WALLS, PATCH ALL HOLES WITH APPROPRIATE MATERIAL TO PROVIDE CONTINUITY OF FIRE RATING.
- PATCH, SMOOTH AND LEVEL EXISTING FLOOR SURFACE AS REQUIRED BY FLOORING MANUFACTURER.
- REFER TO DRAWING AG0.00 FOR ADDITIONAL ABBREVIATIONS.

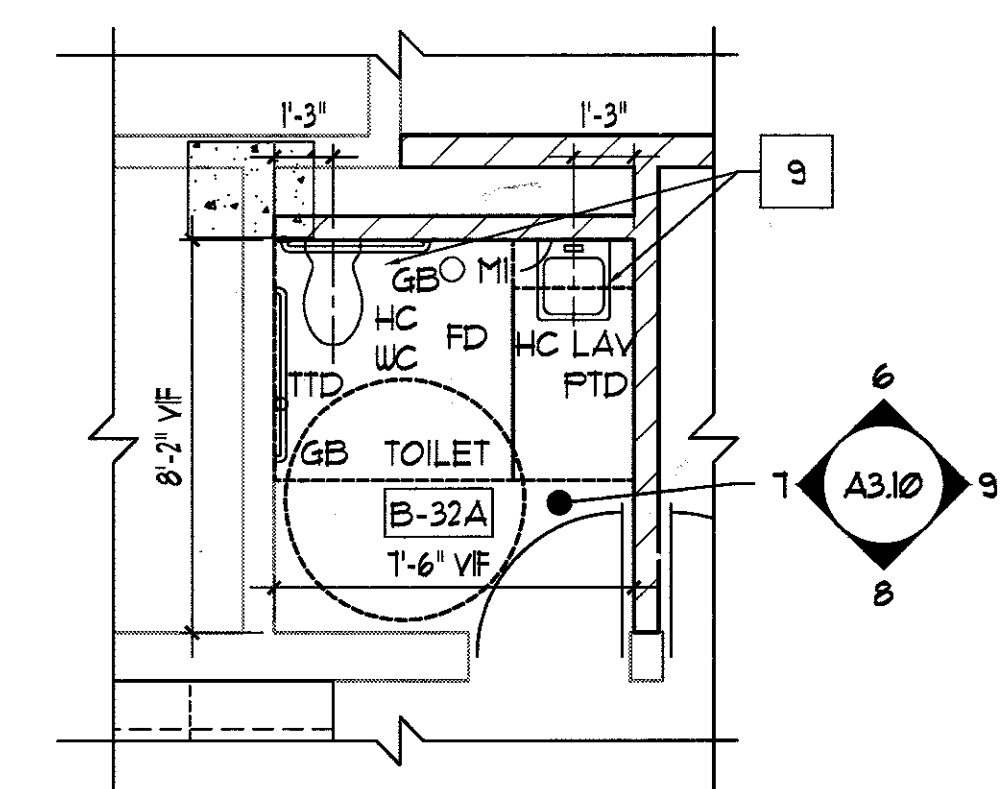
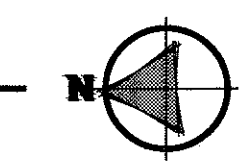
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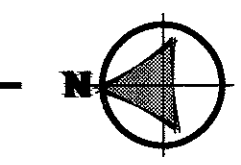
KEY PLAN
NOT TO SCALE



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



2 ENLARGED TOILET ROOM PLAN
1/4" = 1'-0"



DOOR AND FRAME SCHEDULE

INT/ EXT	ROOM NO.	OPN'G NO.	DOOR							FRAME					DETAILS				REFERENCED NOTES
			SIZE		TYPE	MAT'L	HDWR SET	FROT. RATING HOURS	SIZE		TYPE	MAT'L	FROT. RATING HOURS	HEAD	JAMB	JAMB	SILL		
			WIDTH	HEIGHT					WIDTH	HEIGHT									
FIRST FLOOR																			
INT	B-32	B-32	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2, 3	
INT	B-32	B-32B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2/A2.11	1	
INT	B-32A	B-32A	3'-0"	7'-0"	A	WD	6	-	3'-4" VIF	7'-4" VIF	A	HM	-	2/A2.10	7/A2.10	7/A2.10	-	1	
INT	B-31	B-31	3'-0"	7'-0"	A	WD	4	-	3'-4"	7'-4"	A	HM	-	3/A2.10	8/A2.10	8/A2.10	-		
INT	G-16	G-16	PAIR 3'-6"	7'-0"	B	WD	1	-	12'-0" VIF	8'-6"	D	HM	-	4/A2.11	5/A2.11	5/A2.11	-	4, 5, 6	
INT	G-17	G-17	3'-0"	7'-0"	B	WD	5	-	5'-0"	7'-4"	B	HM	-	4/A2.10	12/A2.10	11/A2.10	-		
INT	G-17	G-17A	3'-0"	7'-0"	A	WD	3	-	3'-4"	7'-4"	A	HM	-	4/A2.10	9/A2.10	10/A2.10	-		
INT	G-17	G-17B	3'-0"	7'-0"	A	WD	3	3/4	3'-4"	7'-4"	A	HM	3/4	4/A2.10	11/A2.10	10/A2.10	-		
EXT	G-17	G-17C	3'-0"	7'-0"	C	AL	2	-	12'-10"	8'-6"	C	AL	-	1/A2.10	5/A2.10	6/A2.10	1/A2.11 2/A2.11		

DOOR AND FRAME
ABBREVIATIONS

ALUM	ALUMINUM
EX	EXISTING
FRP	FIBERGLASS REINFORCED POLYESTER
HM	HOLLOW METAL
ME	MATCH EXISTING
SIM	SIMILAR
TYP	TYPICAL
VIF	VERIFY IN FIELD
WD	WOOD

RFI #7: ALL DOOR HARDWARE AND COMPONENTS -
SATIN BRONZE (US610)

DOOR AND FRAME GENERAL NOTES

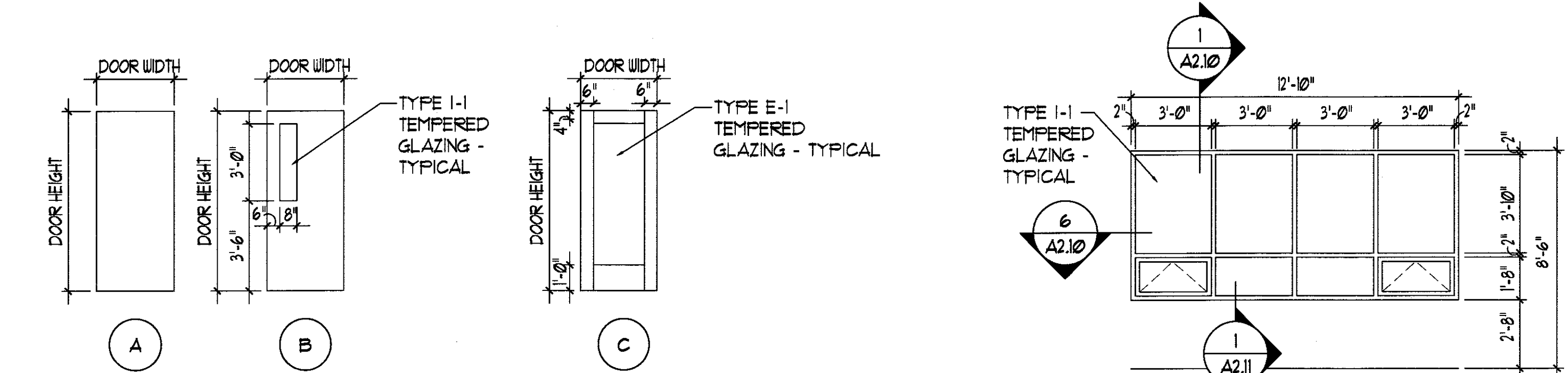
- CONTRACTOR TO VERIFY DIMENSIONS, QUANTITIES AND CONDITIONS OF ALL ROUGH OPENINGS IN FIELD.
- REFER TO WALL TYPES FOR WALL CONSTRUCTION AT DOOR LOCATIONS.
- REFER TO SPECIFICATIONS FOR DESCRIPTIONS OF HARDWARE SETS.
- GROUT JAMBS SOLID AT ALL FRAMES INSTALLED IN MASONRY OPENINGS.
- ALL EXPOSED ANCHORS ON HOLLOW METAL FRAMES ARE TO BE COUNTERSUNK INTO FRAMES, COVERED IN BONDO, SANDED SMOOTH, AND PAINTED TO MATCH FRAME.
- REFER TO STRUCTURAL DRAWINGS FOR LINTEL INFORMATION.
- VERIFY DIMENSIONS OF ALL DOORS AND FRAMES TO BE INSTALLED IN EXISTING WALL OPENINGS PRIOR TO SUBMITTING SHOP DRAWINGS.
- HEIGHT OF DOOR OPERATING HARDWARE SHALL BE NO LESS THAN 34" AND NO MORE THAN 48" ABOVE FINISHED FLOOR. COORDINATE EXACT HEIGHT WITH OWNER AND ARCHITECT.
- DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
- DOOR OPERATING FORCE SHALL NOT EXCEED: EXTERIOR HINGED DOORS: 8.5 LB INTERIOR HINGED DOORS: 5 LB
- ALL EGRESS DOORS ARE TO UTILIZE KEYLESS LOCKETS ON THE EGRESS SIDE. NO FLUSH BOLTS, DEAD OR DRAW BOLTS, ETC. WILL BE ALLOWED.
- AT ALL OPENINGS SCHEDULED TO RECEIVE WORK - BONDO AND PAINT ALL FRAMES (NEW AND EXISTING).
- ALL EXISTING FIRE RATED OPENINGS ARE TO BE MAINTAINED.

DOOR AND FRAME REFERENCED NOTES

- NEW DOOR AND FRAME IN AN EXISTING OPENING - VERIFY EXISTING OPENING DIMENSIONS IN FIELD PRIOR TO SUBMITTING SHOP DRAWINGS.
- EXISTING DOOR AND FRAME TO BE PAINTED.
- PROVIDE NEW DOOR HARDWARE (FIRE/LIFE WALL MAGNET) ON EXISTING DOOR AND FRAME - REFER TO SPECIFICATIONS.
- DOOR TO RECEIVE (1) MAGNETIC HOLD-OPEN PER LEAF - REFER TO ELECTRICAL DRAWINGS.
- PROVIDE HINGE GREATER THAN 90 DEGREES.
- DOOR TO RECEIVE CARD ACCESS READER SYSTEM - REFER TO ELECTRICAL DRAWINGS.
- PROVIDE NEW THRESHOLD TO EXISTING DOOR AND FRAME - REFER TO SPECIFICATIONS.

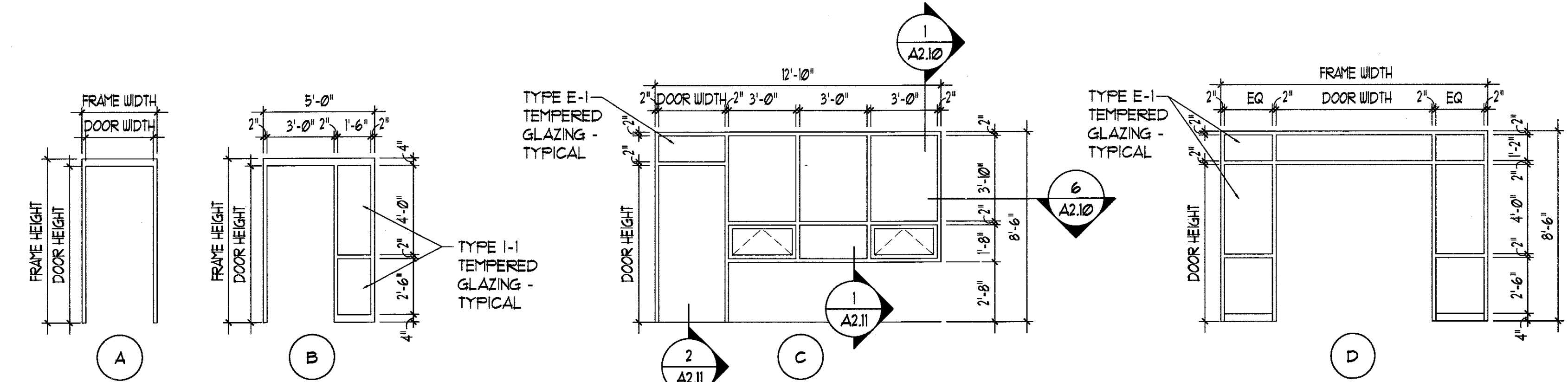
WALL TYPE GENERAL NOTES

- PROVIDE HORIZONTAL JOINT REINFORCING AT FIRST TWO COURSES AT TOP AND BOTTOM OF ALL MASONRY WALLS AND ABOVE AND BELOW ALL MASONRY OPENINGS.
- ALL WALL TYPES ARE TO EXTEND UP THROUGH, AND AROUND, ALL STRUCTURES, AND INTERFERENCES TO MAINTAIN CONTINUITY UP TO DECK - UNLESS NOTED OTHERWISE.
- PROVIDE FIRESAFING AT PERIMETER AND AT ALL PENETRATIONS OF ALL FIRE RATED WALL CONSTRUCTION - REFER TO A001 FOR RATED WALLS LOCATIONS.
- ALL WALL TYPES TO EXTEND ABOVE AND BELOW ALL OPENINGS AND PENETRATIONS.

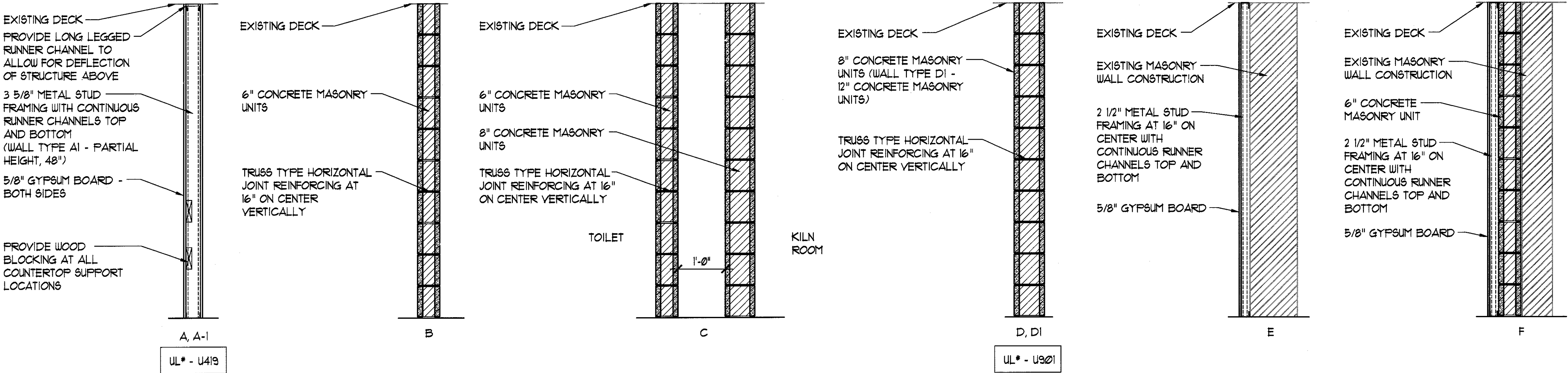


DOOR TYPES
NOT TO SCALE

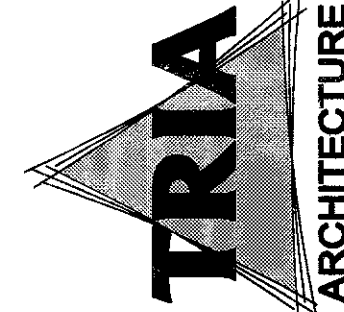
WINDOW TYPES
NOT TO SCALE



FRAME TYPES
NOT TO SCALE



WALL TYPES
NOT TO SCALE



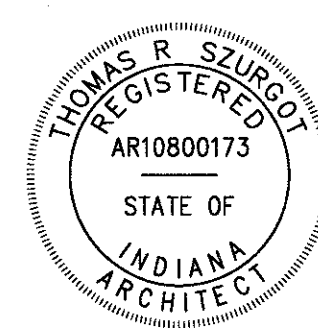
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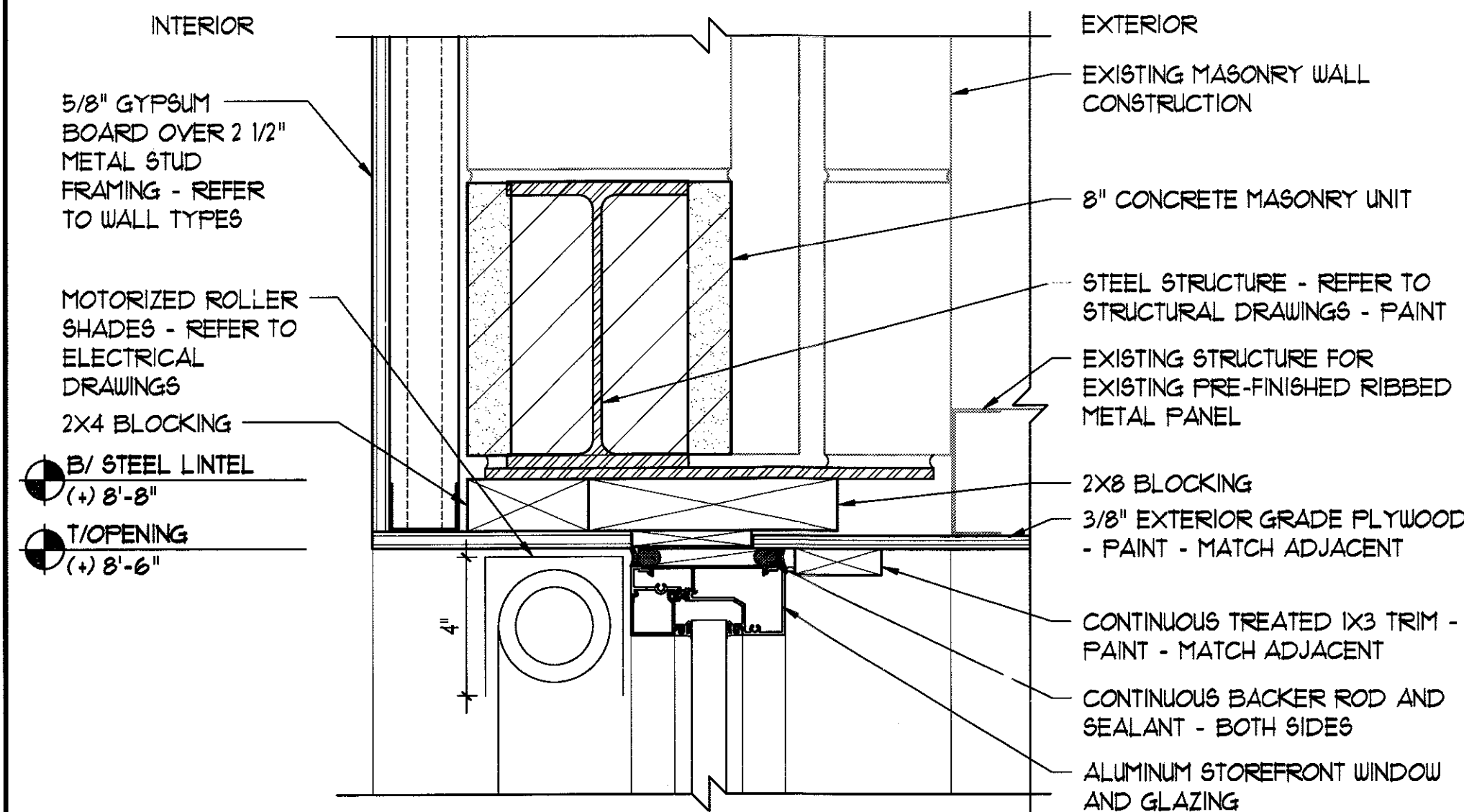
DUNELAND SCHOOL CORPORATION
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BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



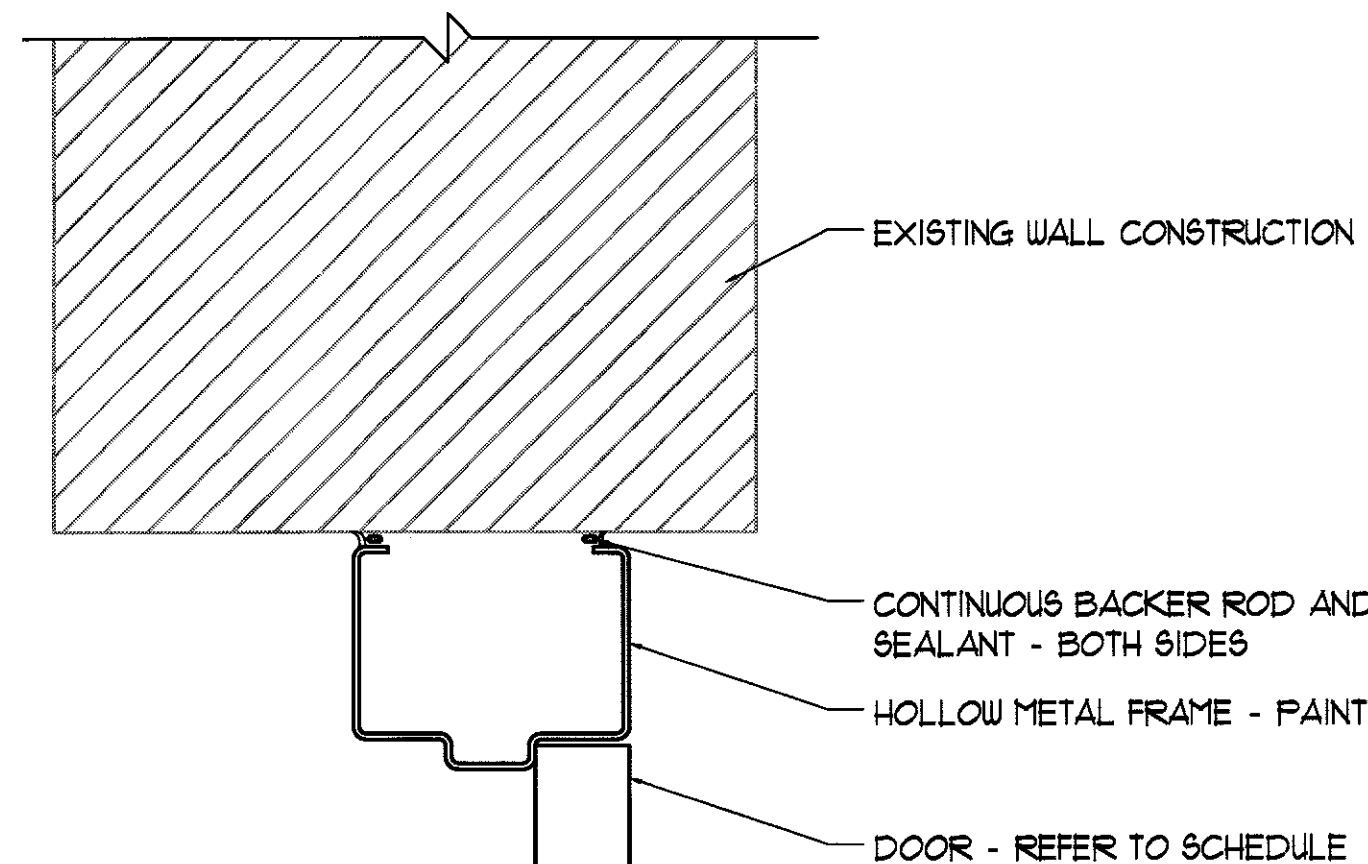
PROJECT NUMBER: 11-045	REVISIONS:
PROJECT MANAGER: MFL	1. 01/11/2018
DRAWN BY: PJA	2. 01/11/2018
DATE FOR BID AND PERMIT: 01/11/2018	3. 01/11/2018
DOOR AND FRAME SCHEDULE, DOOR AND FRAME TYPES, AND WALL TYPES	



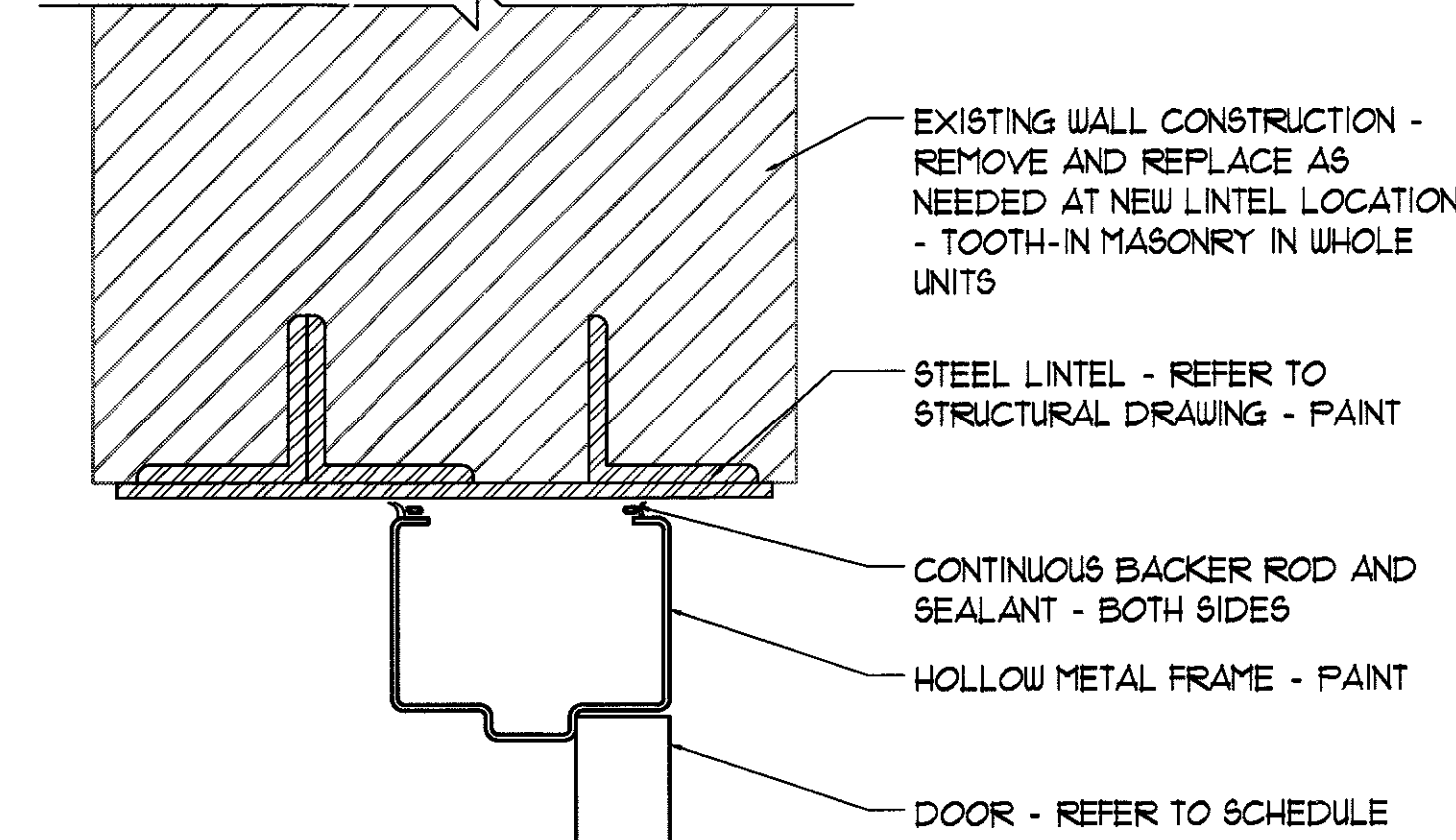
A2.00



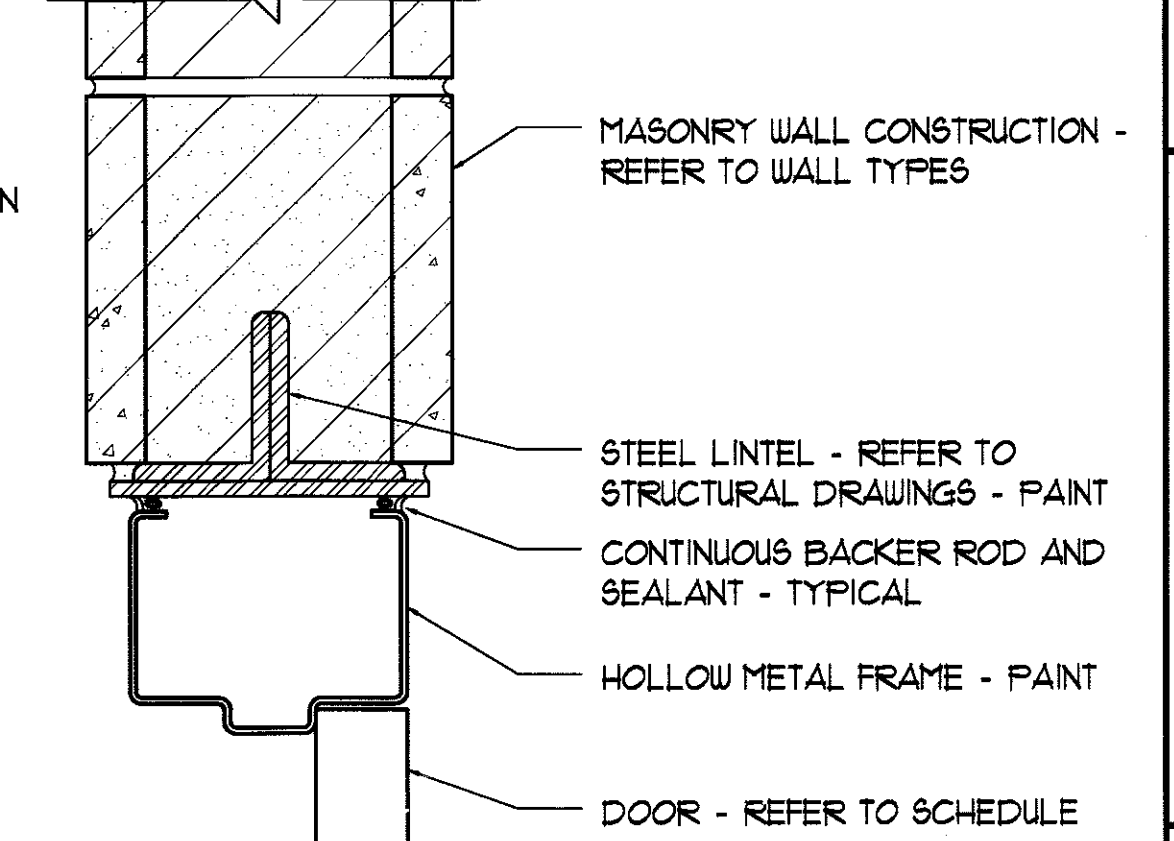
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3" x 1'-0"



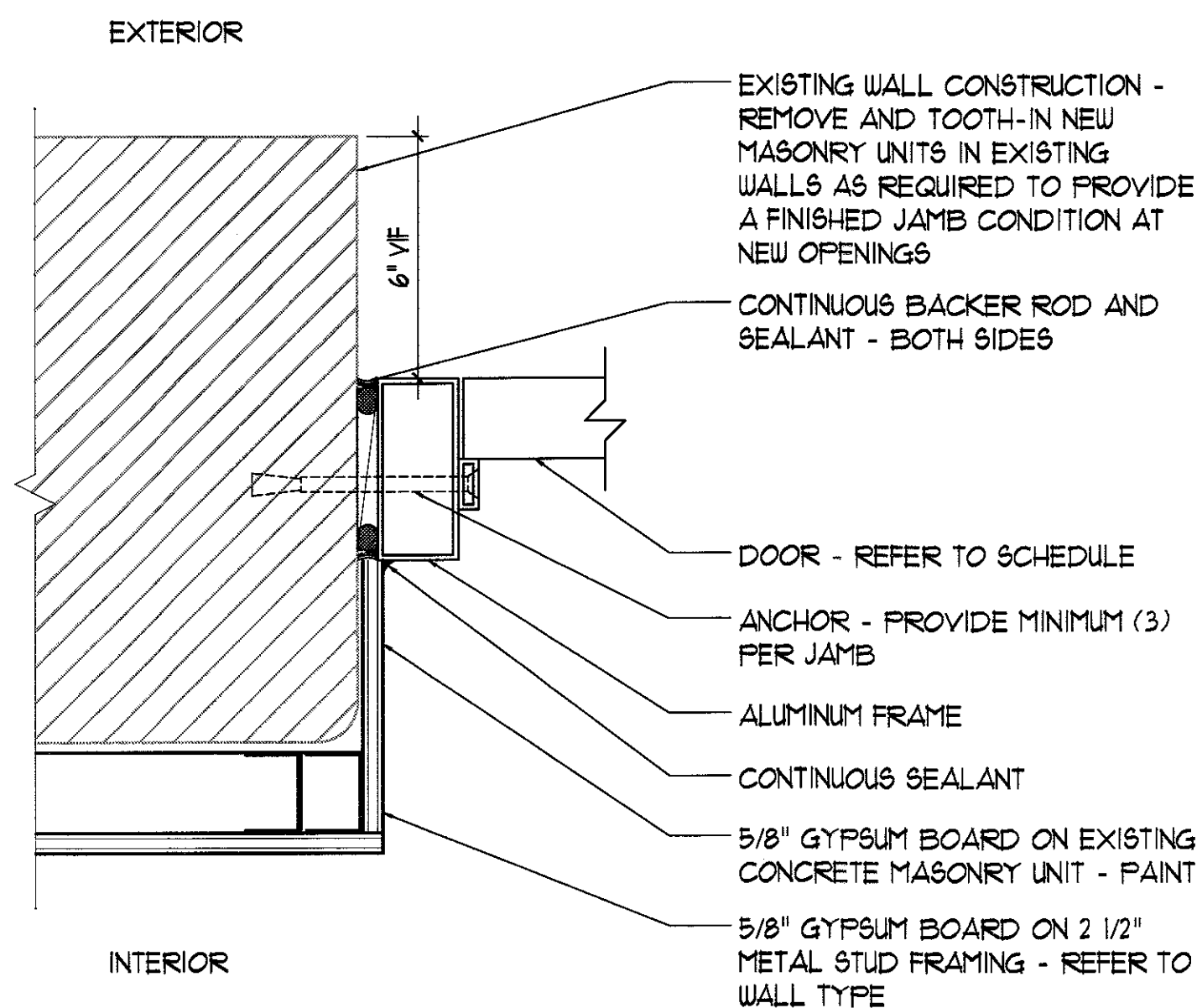
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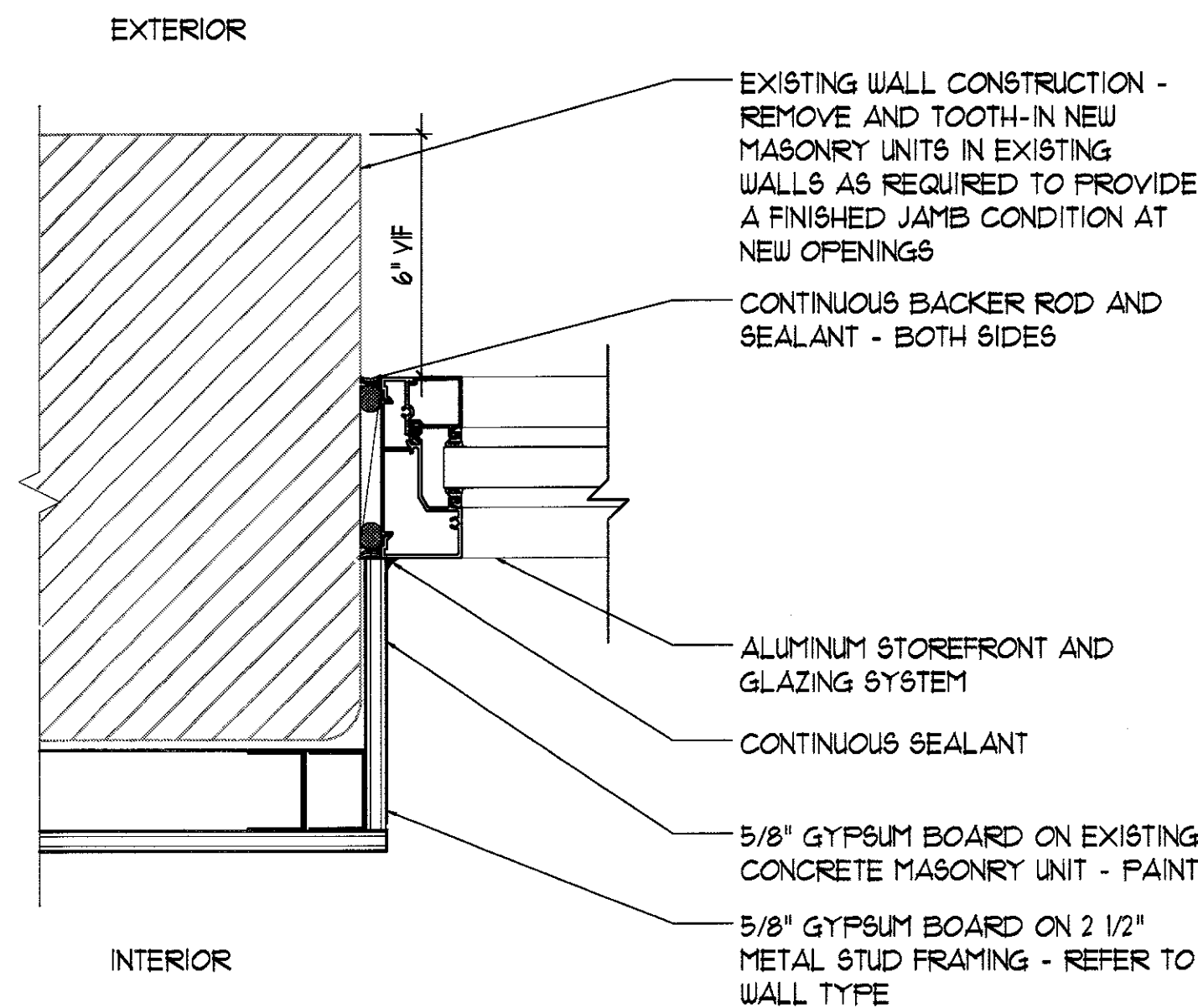
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3" x 1'-0"



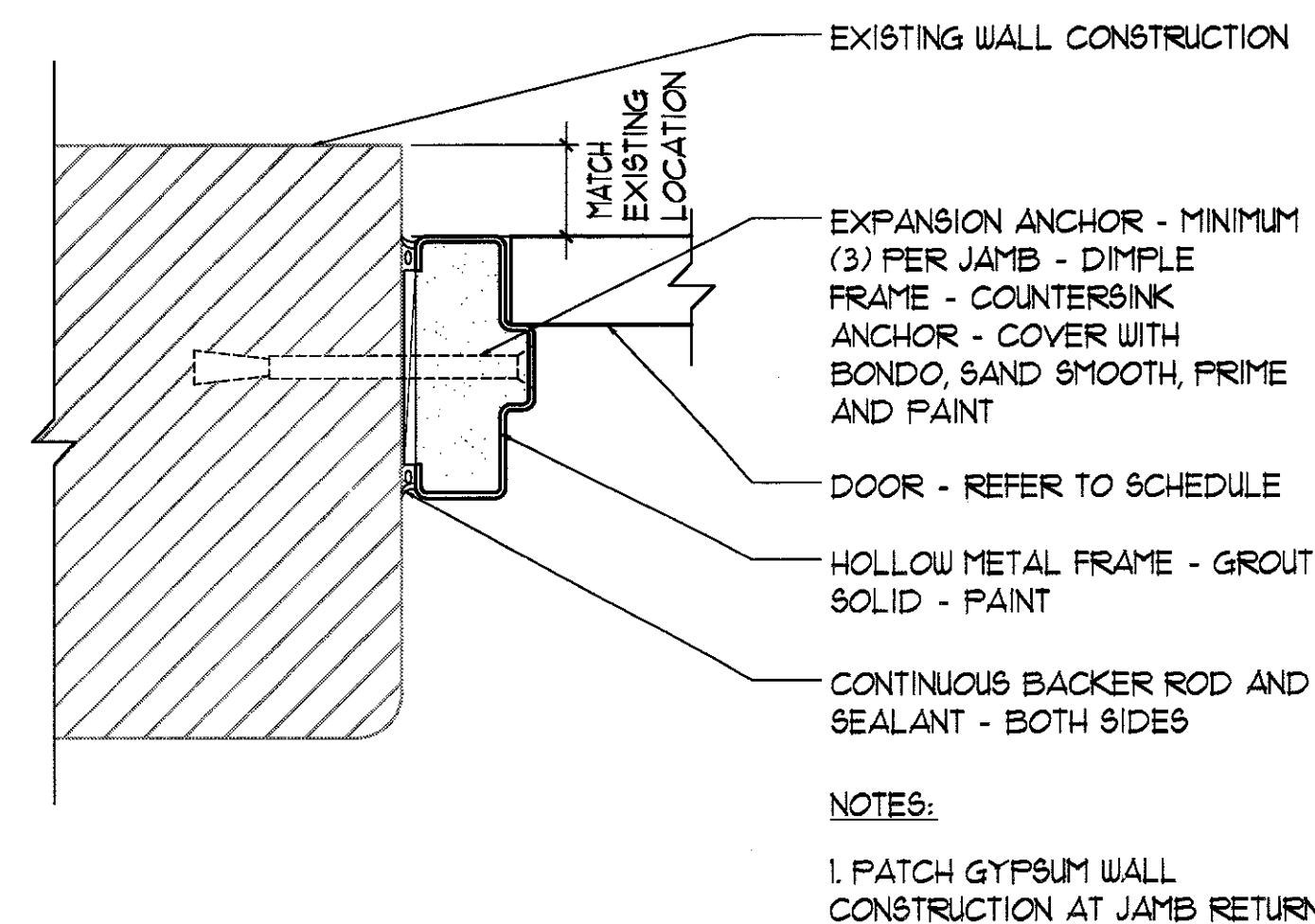
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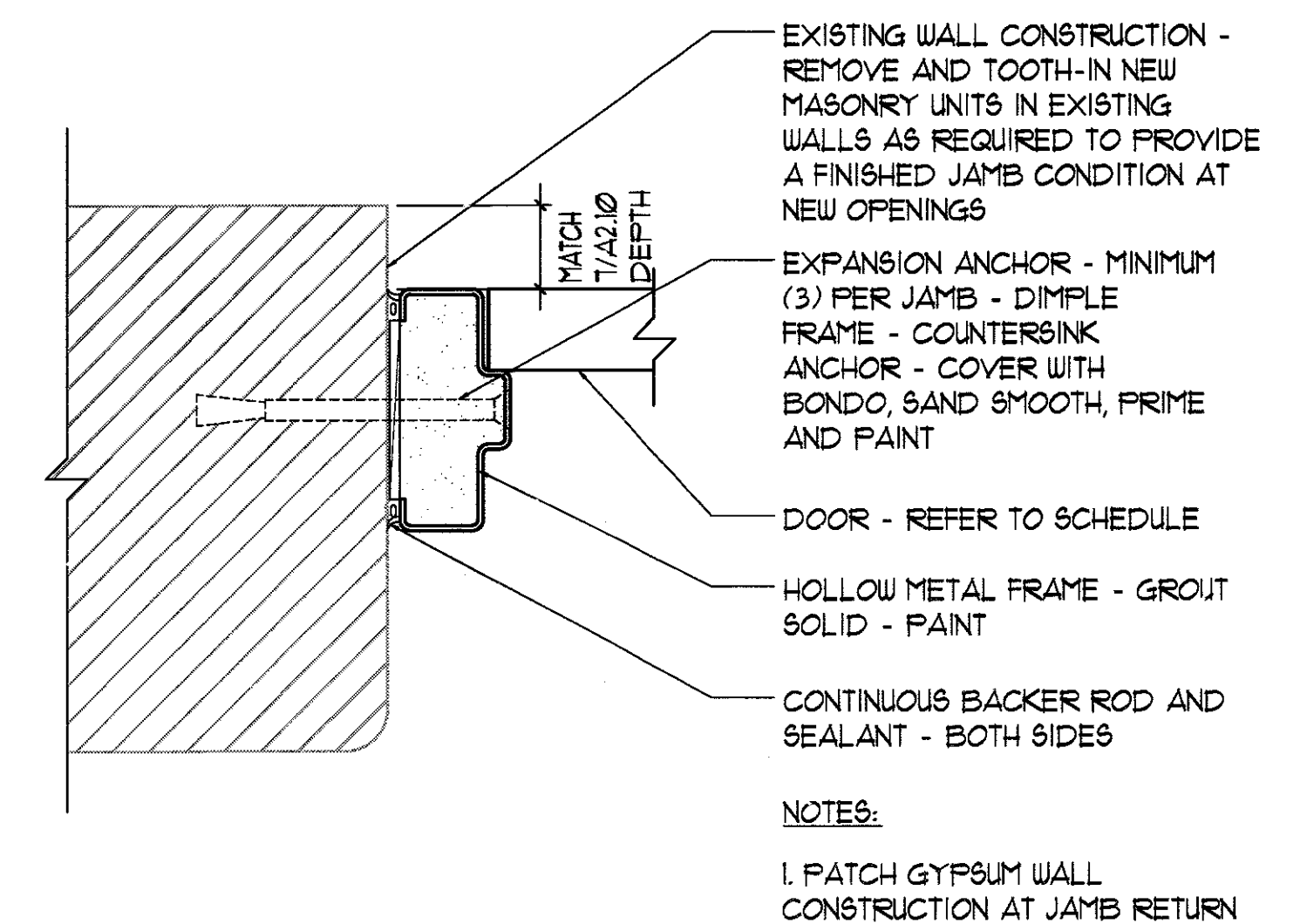
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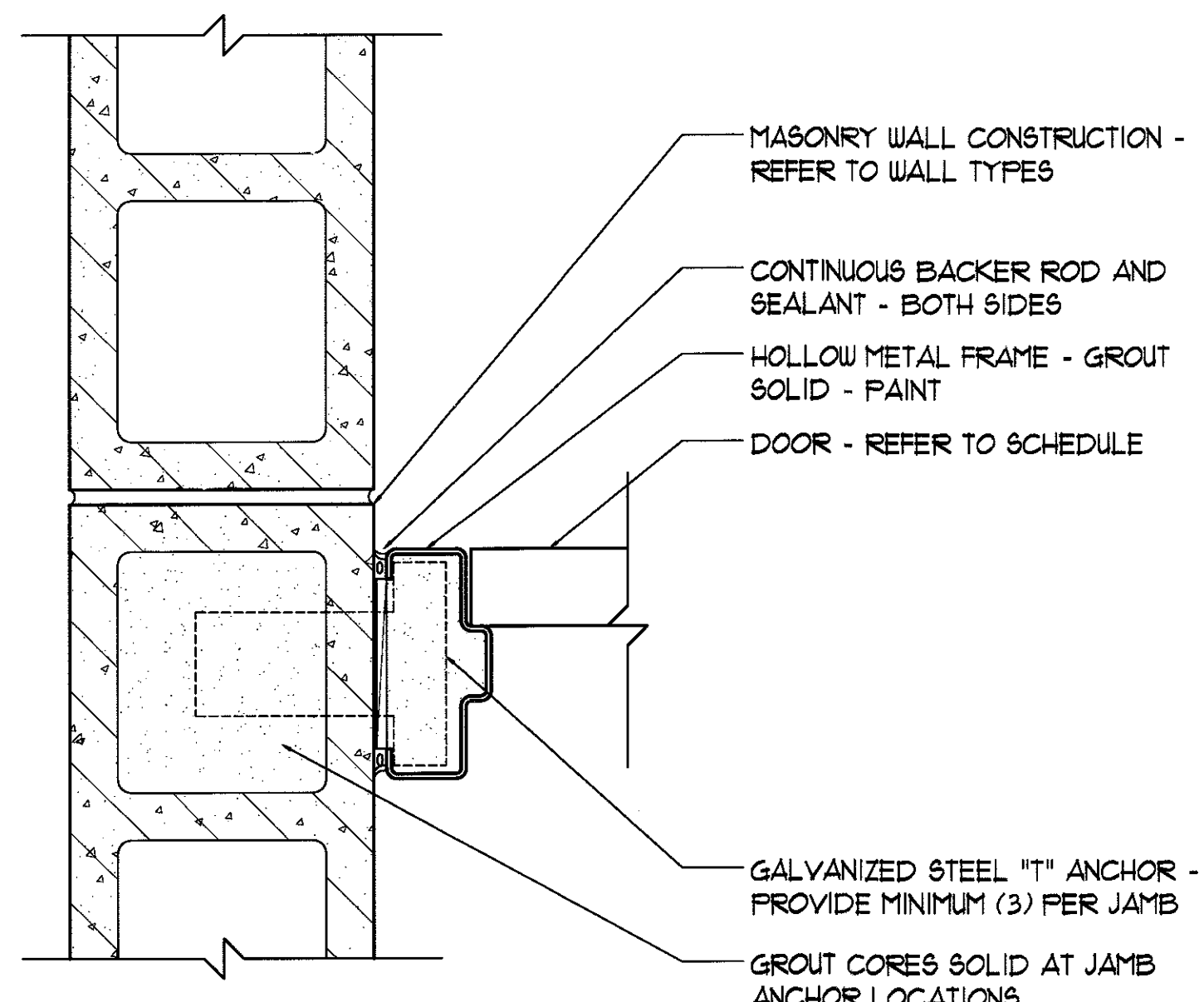
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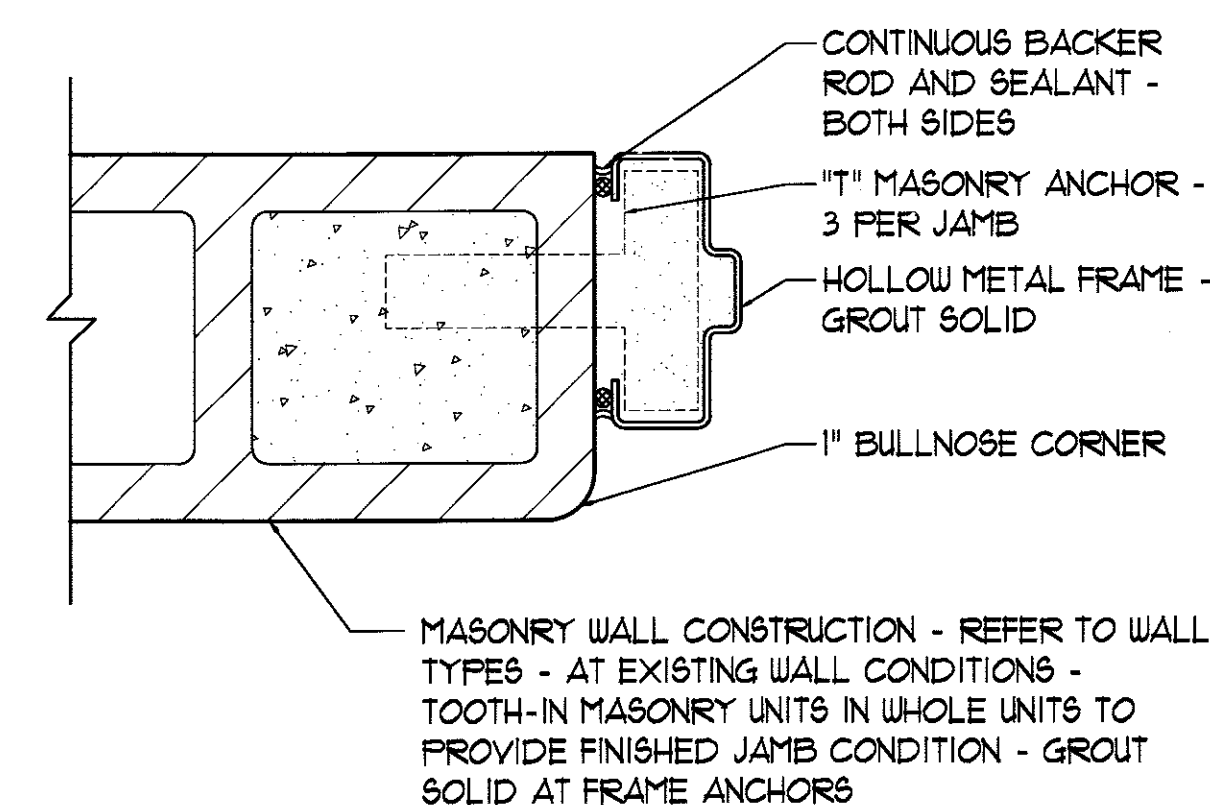
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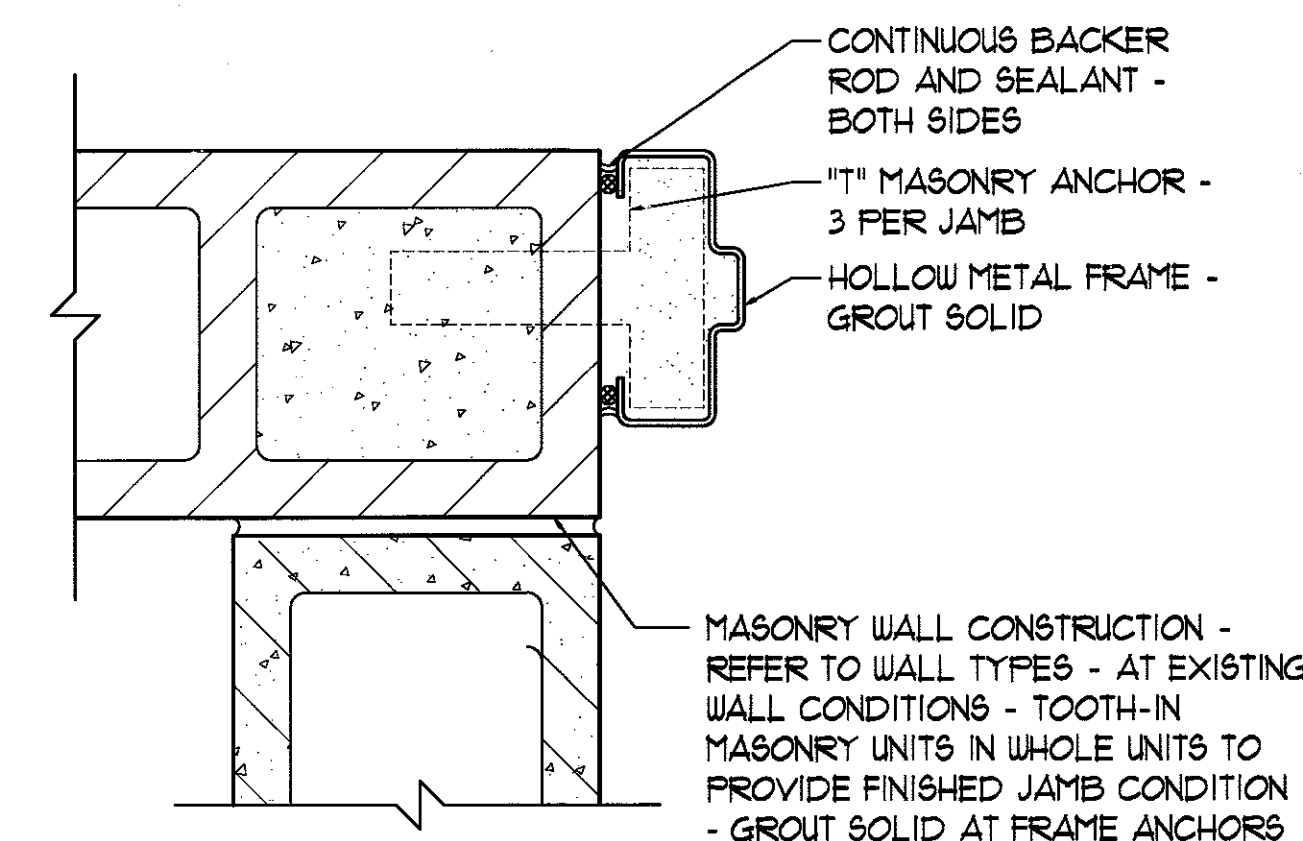
8 JAMB DETAIL
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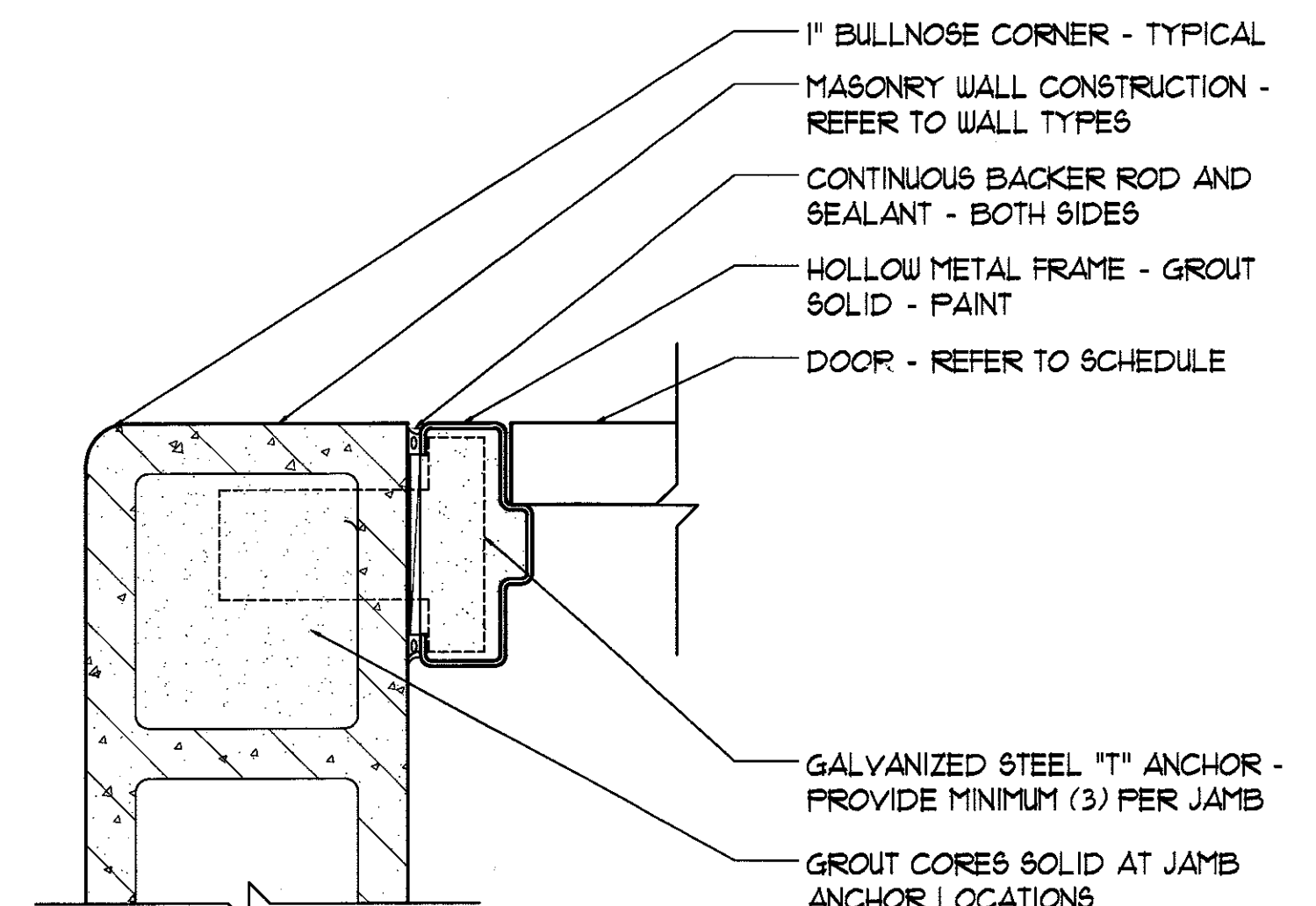
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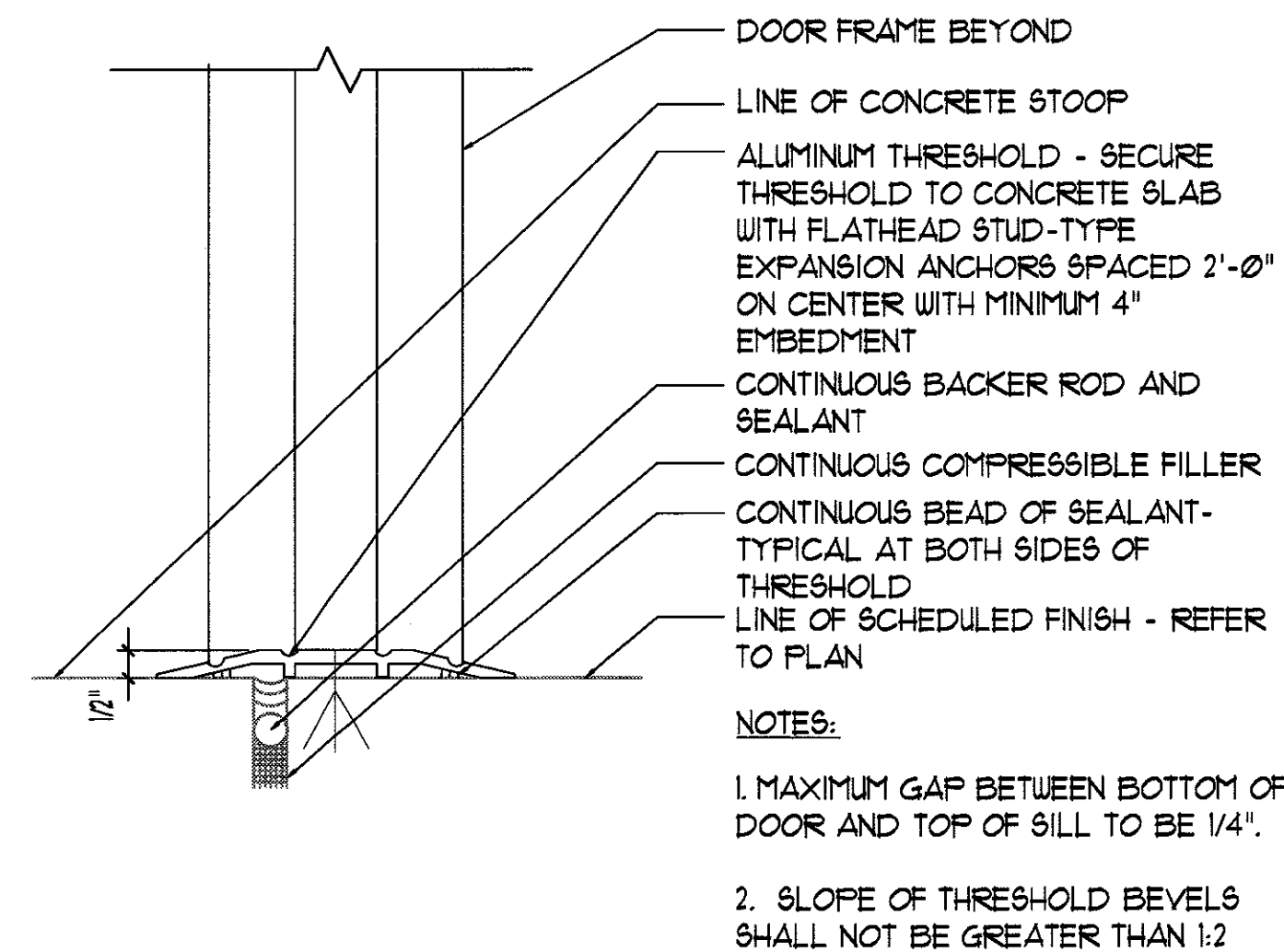
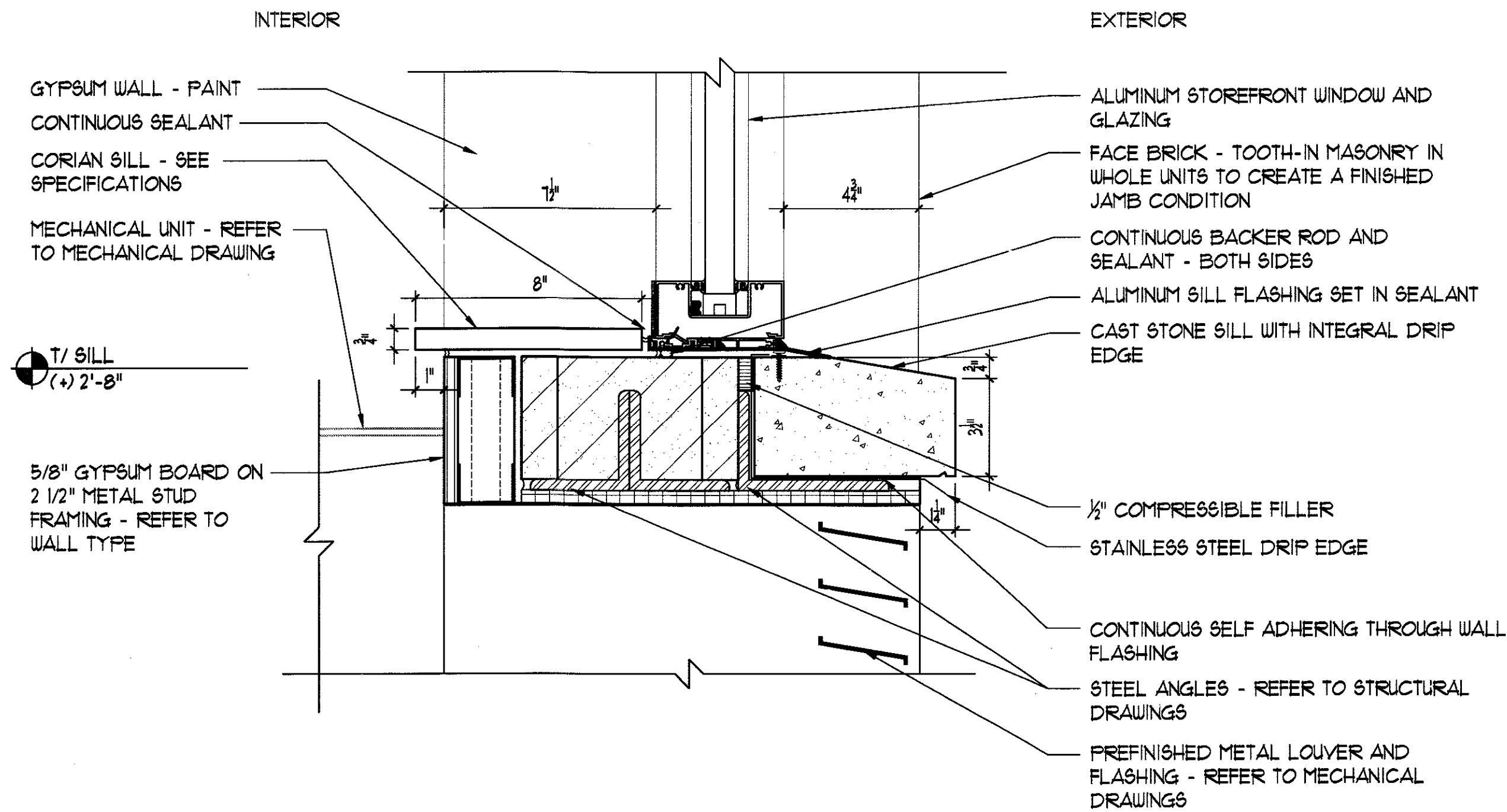
10 JAMB DETAIL
3" x 1'-0"



11 JAMB DETAIL
3" x 1'-0"

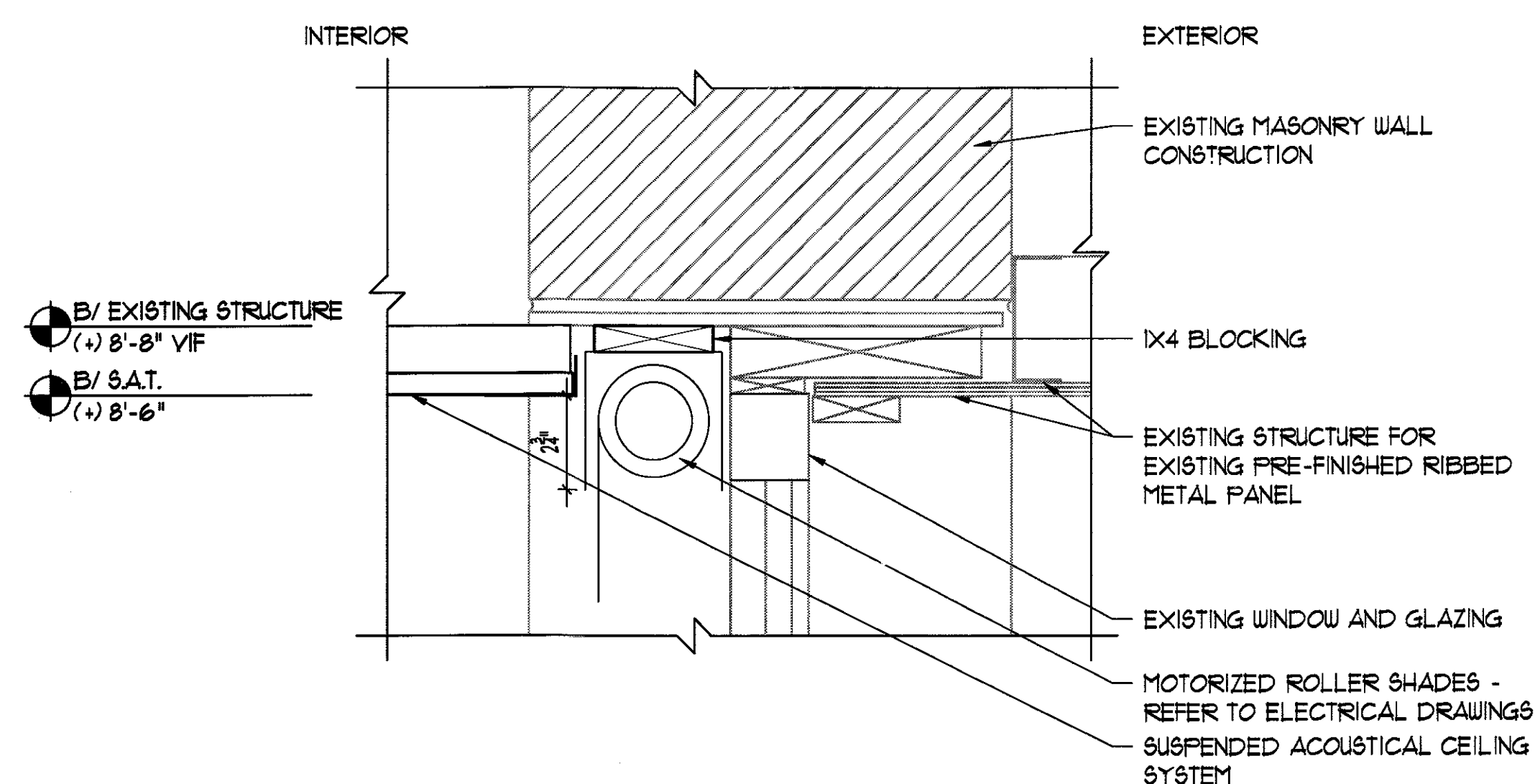
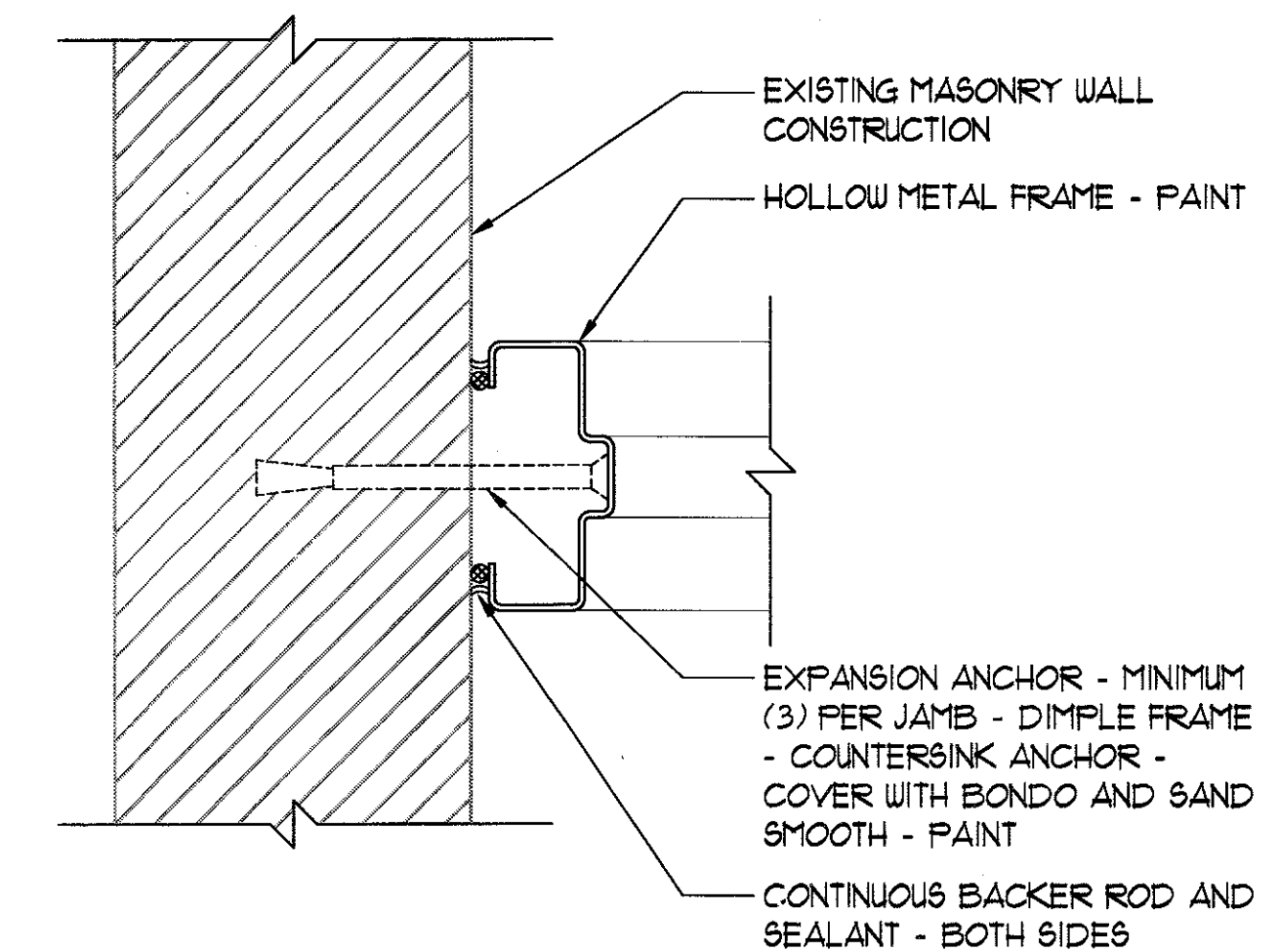
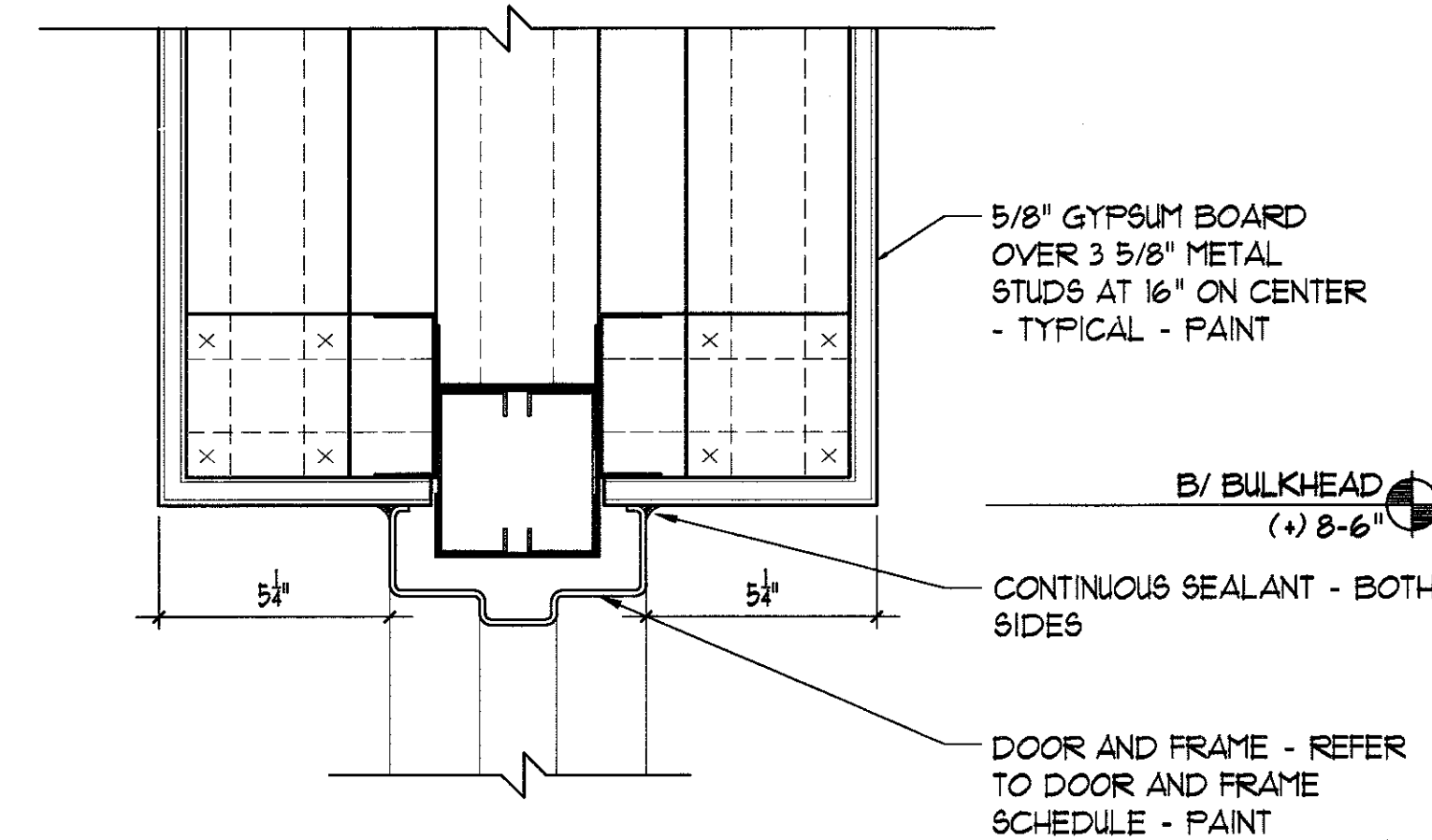
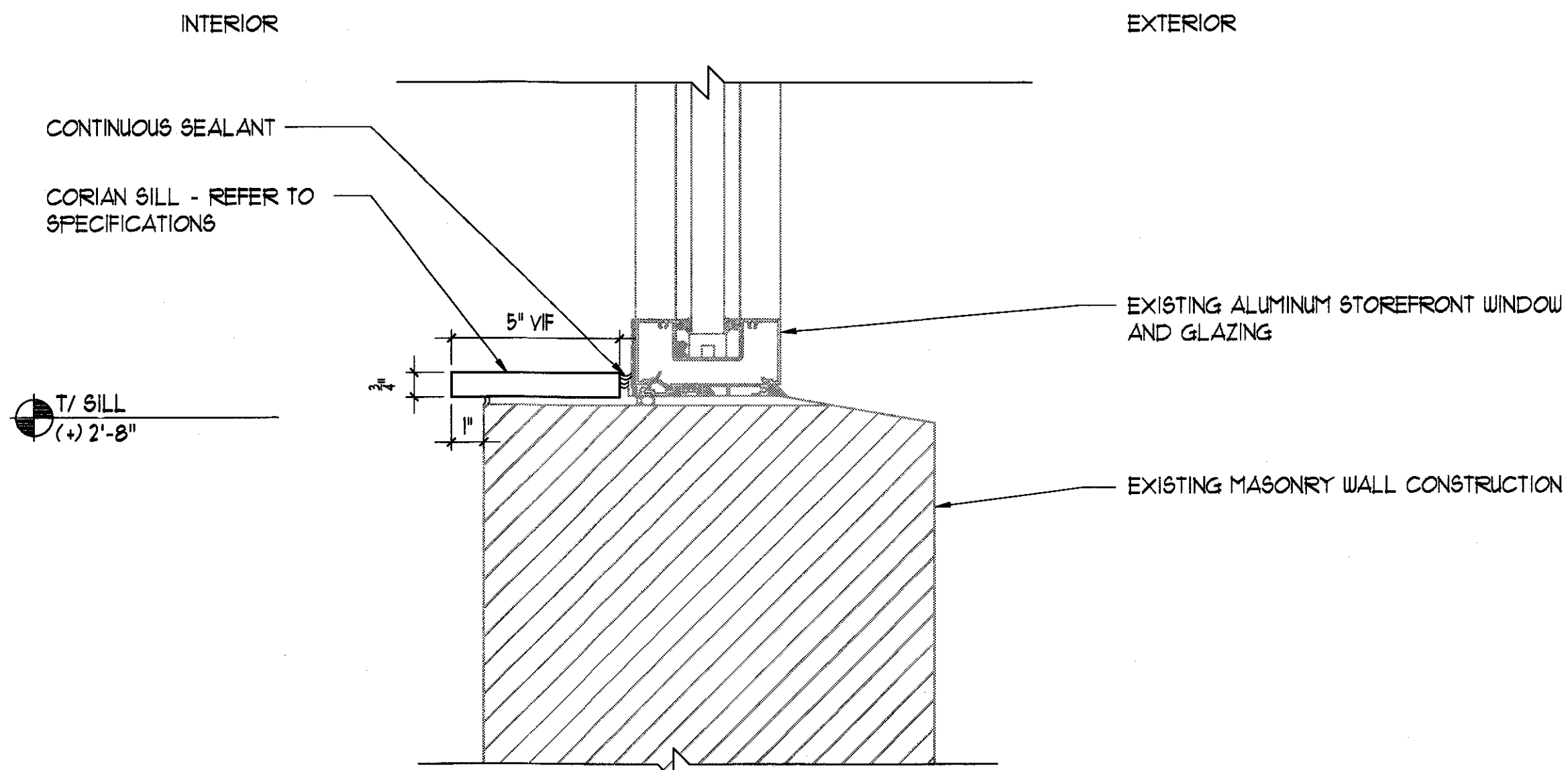


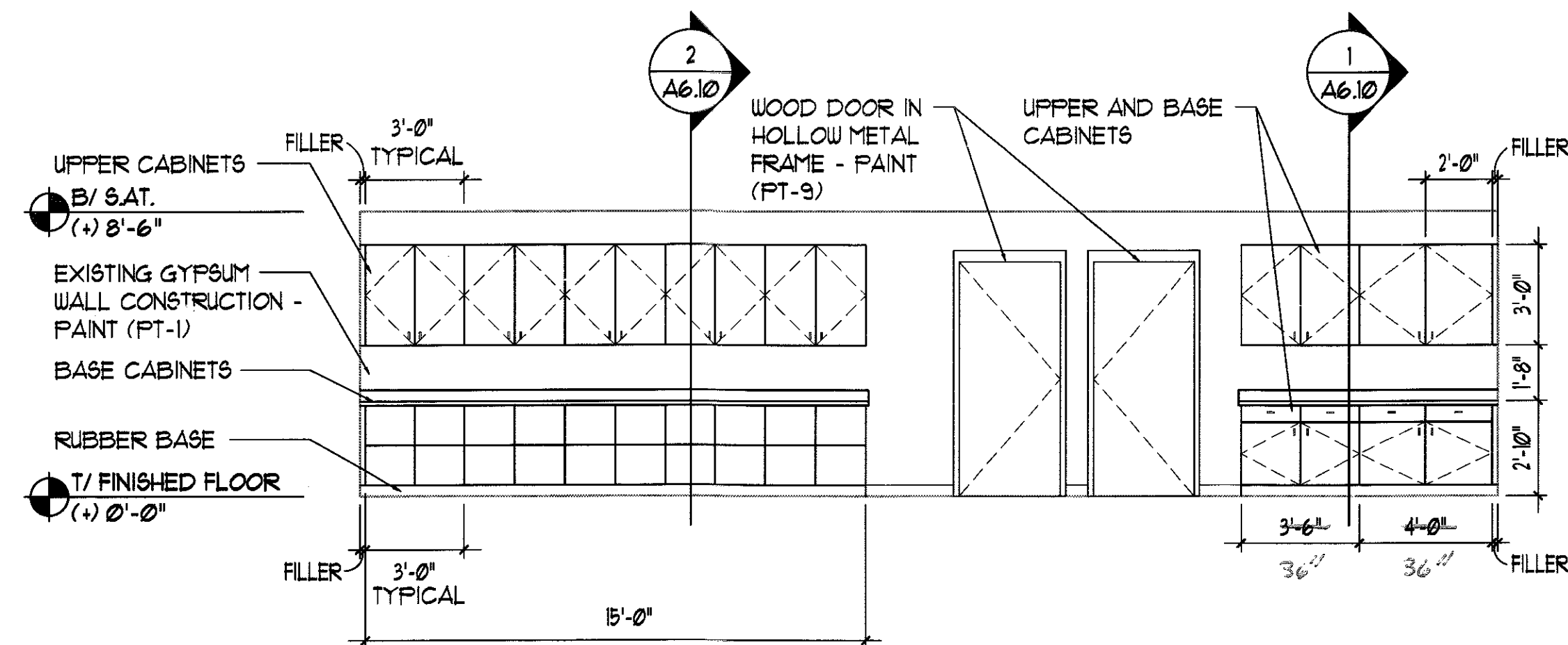
12 JAMB DETAIL
3" x 1'-0"



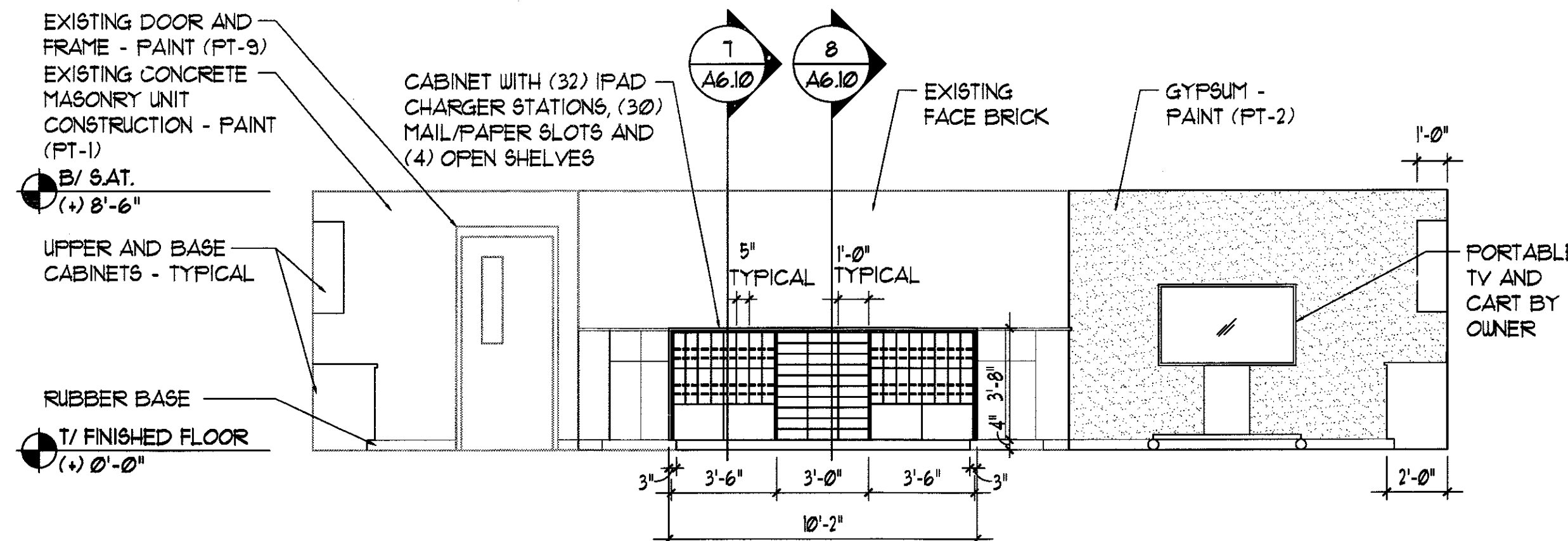
DETAIL NOTE

- AT ALL METAL STUD SOFFIT FRAMING, PROVIDE KICKERS AND REINFORCING AS NEEDED TO PROVIDE STABLE AND SECURE FRAMING.





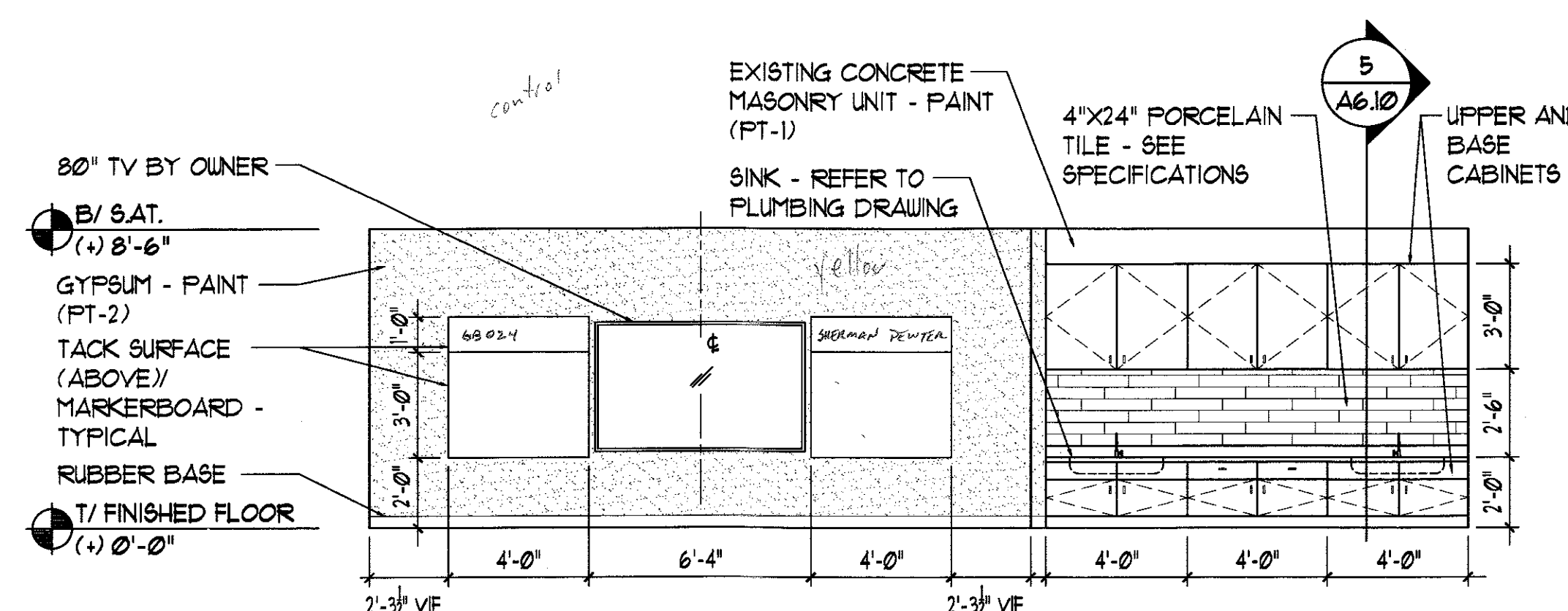
1 INTERIOR ELEVATION
1/4" = 1'-0"



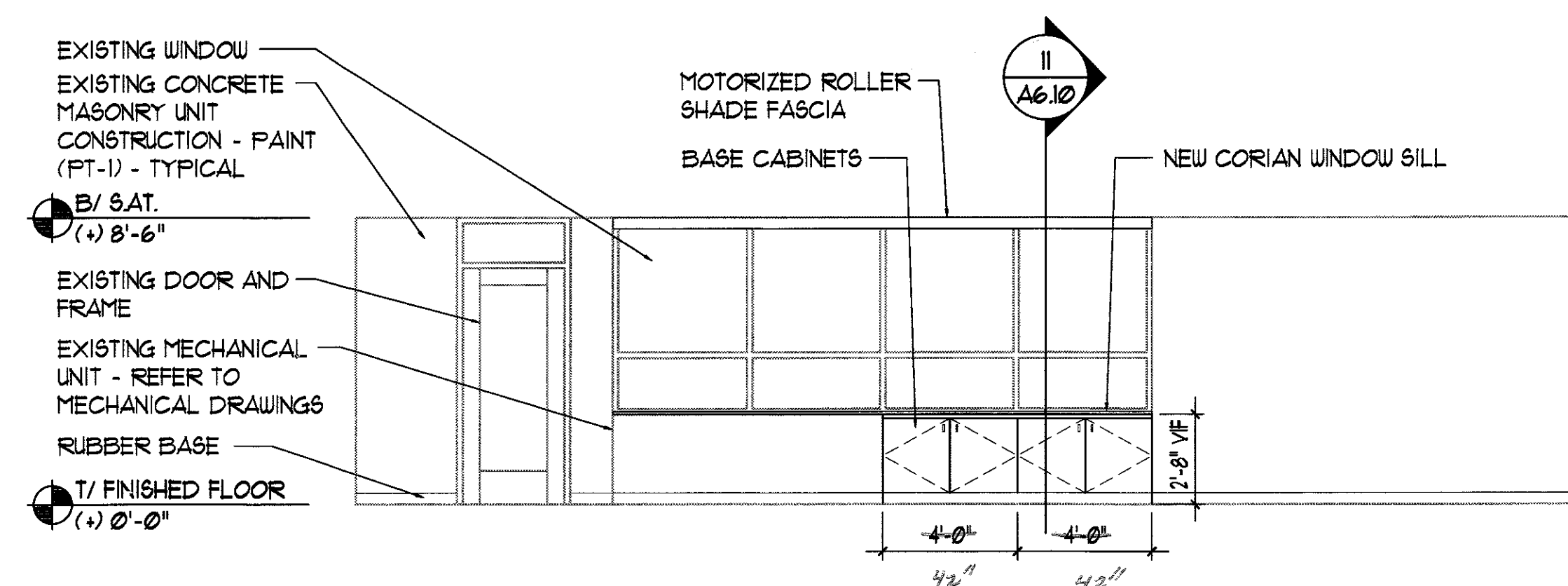
2 INTERIOR ELEVATION
1/4" = 1'-0"

CUSTOM WOOD CABINET GENERAL NOTES

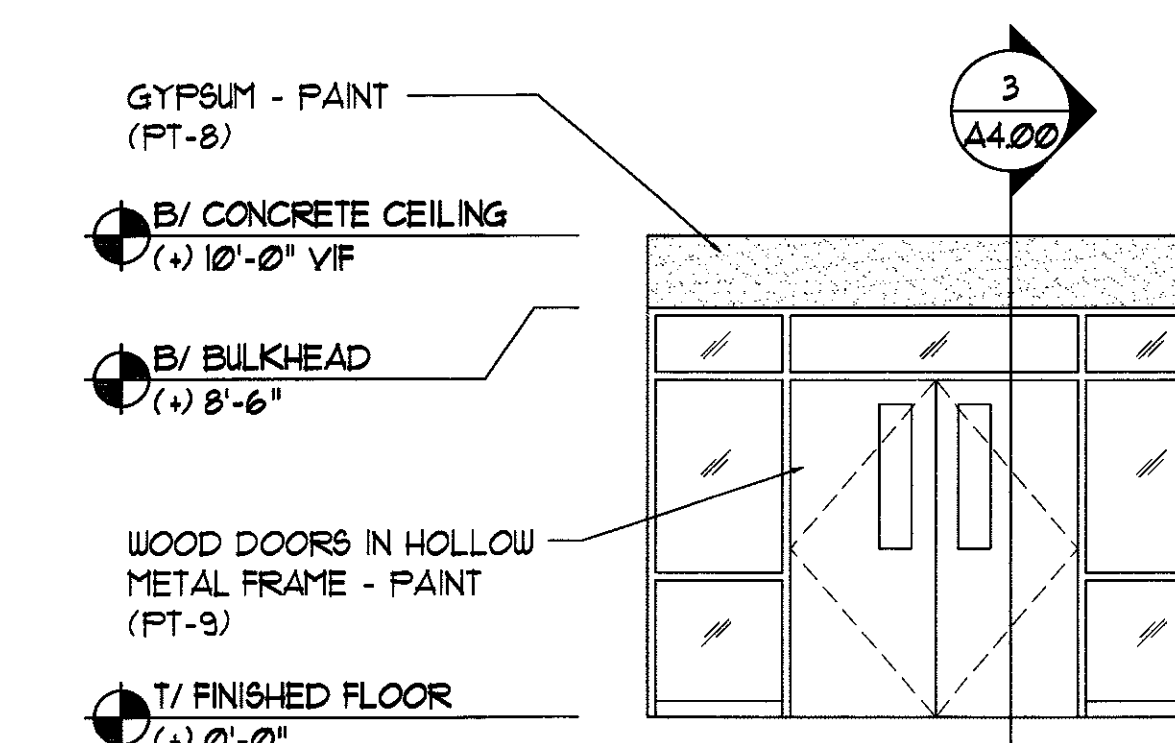
- ON ALL EXPOSED AND SEMI-EXPOSED SURFACES INCLUDING EXPOSED ENDS OF CASEWORK UNITS PROVIDE FINISH TO MATCH CABINETRY.
- PROVIDE SOLID SURFACE COUNTERTOP ON ALL BASE CABINETS UNLESS NOTED OTHERWISE. VERIFY DIMENSIONS IN FIELD.
- PROVIDE DRAWERS AS SHOWN IN ELEVATIONS ON ALL BASE CABINETS.
- PROVIDE (2) ADJUSTABLE SHELVES PER WALL CABINET AND (1) ADJUSTABLE SHELF PER BASE CABINET.



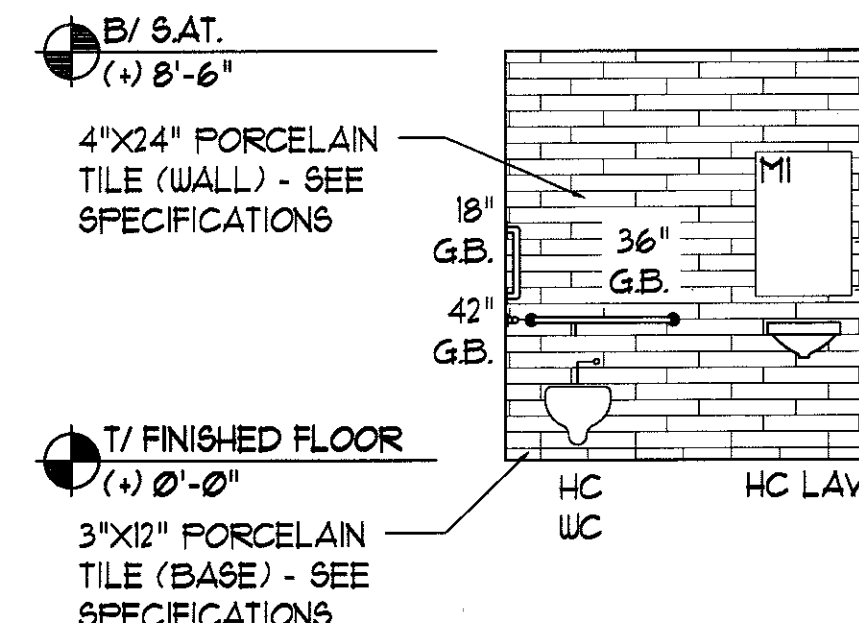
3 INTERIOR ELEVATION
1/4" = 1'-0"



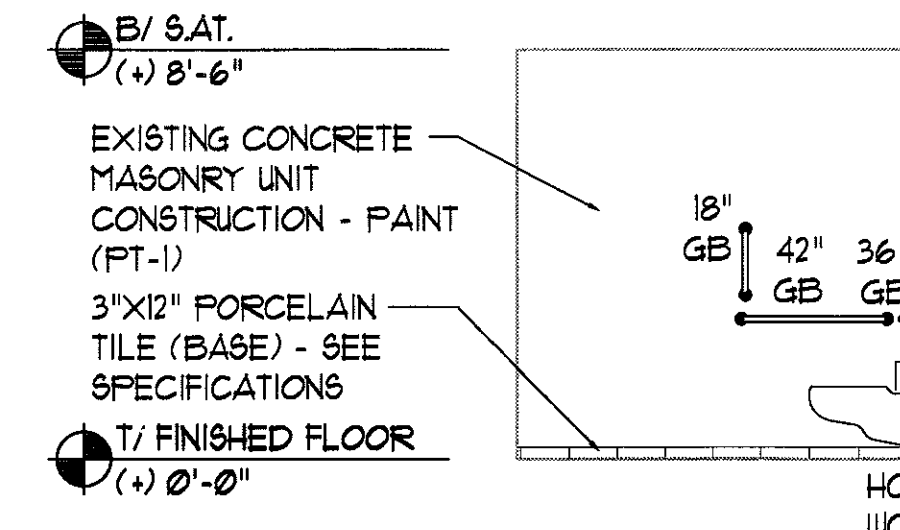
4 INTERIOR ELEVATION
1/4" = 1'-0"



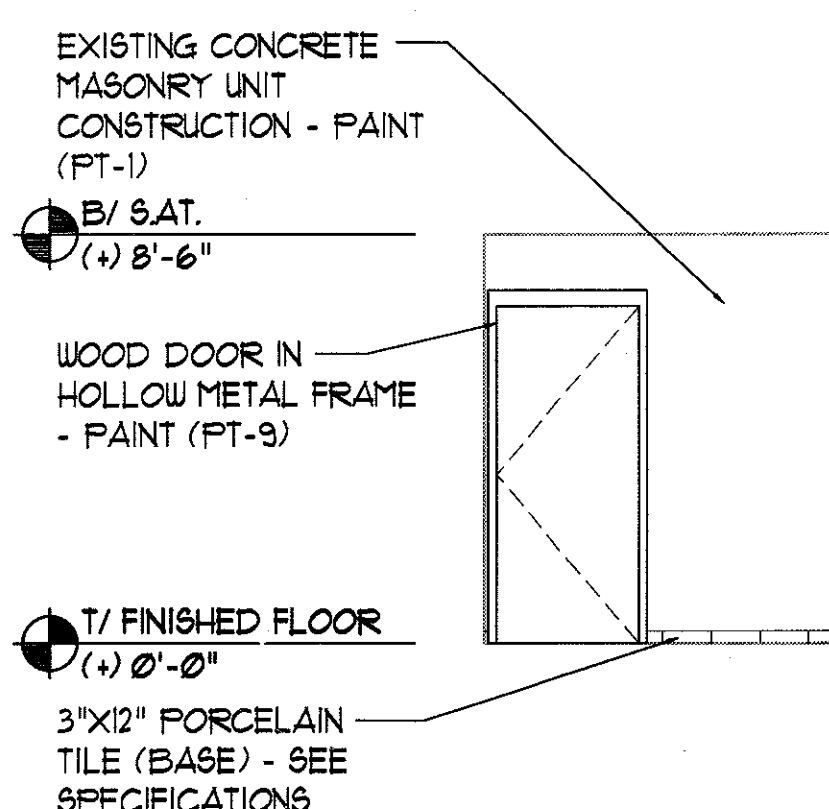
5 INTERIOR ELEVATION
1/4" = 1'-0"



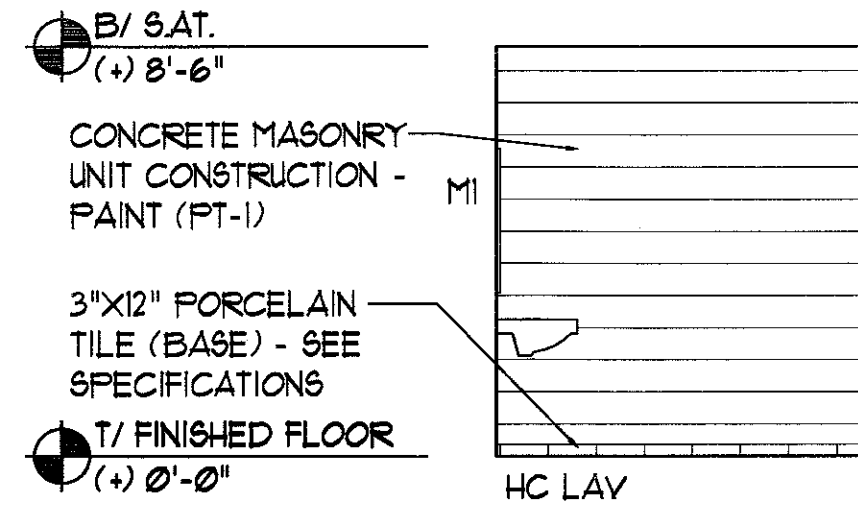
6 INTERIOR ELEVATION
1/4" = 1'-0"



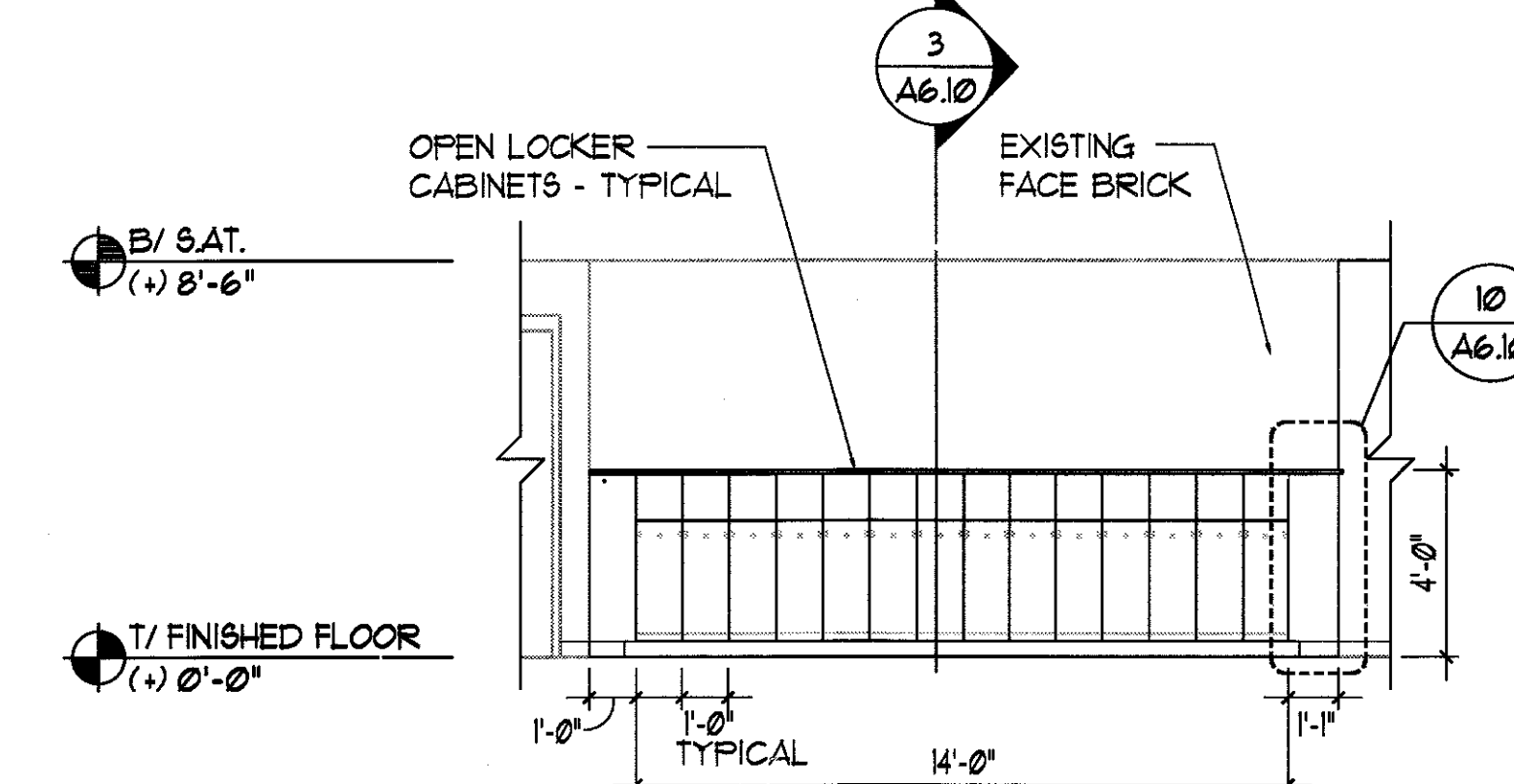
7 INTERIOR ELEVATION
1/4" = 1'-0"



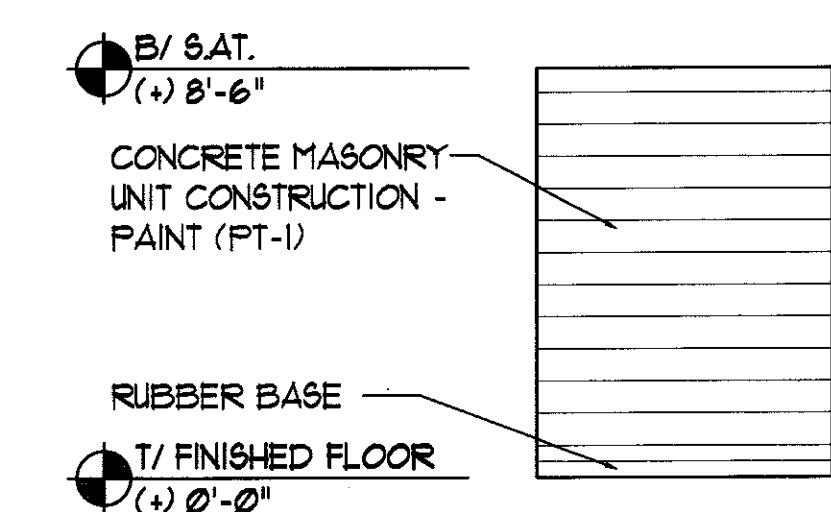
8 INTERIOR ELEVATION
1/4" = 1'-0"



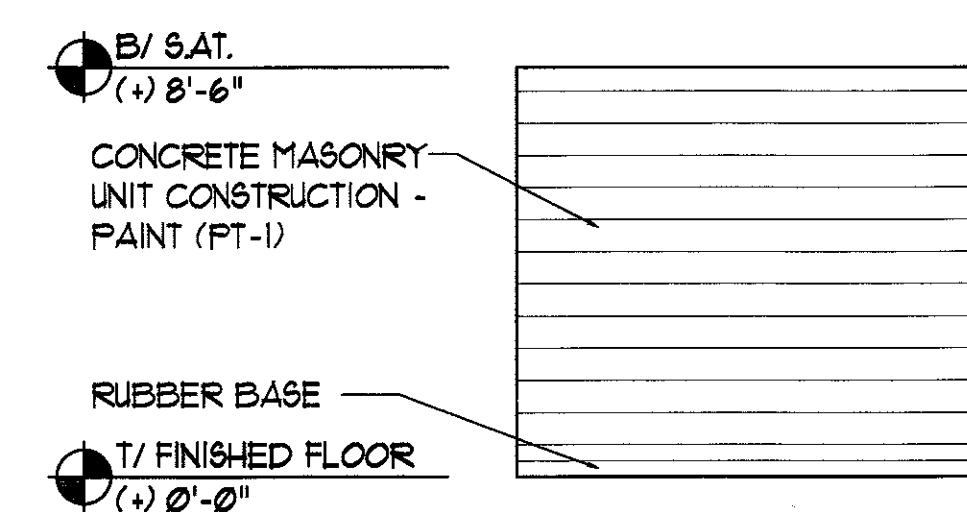
9 INTERIOR ELEVATION
1/4" = 1'-0"



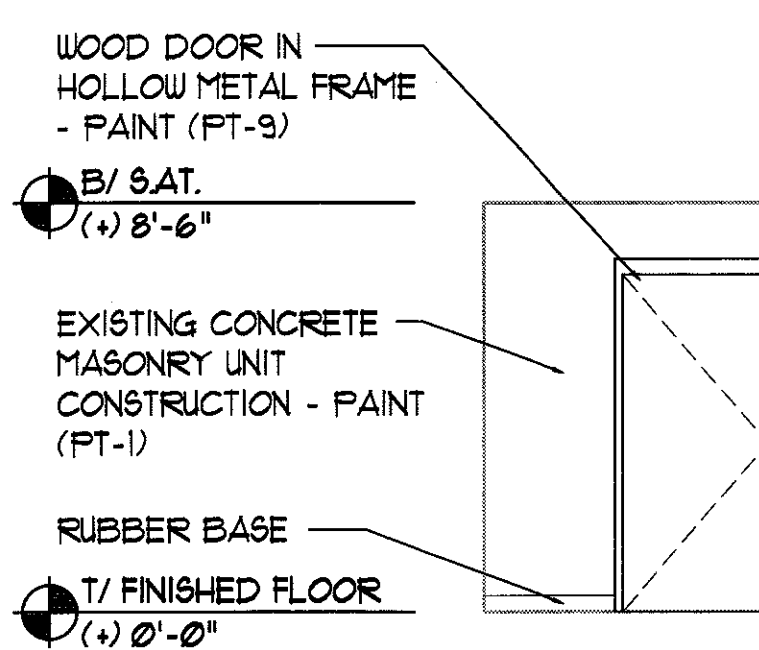
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1/4" = 1'-0"



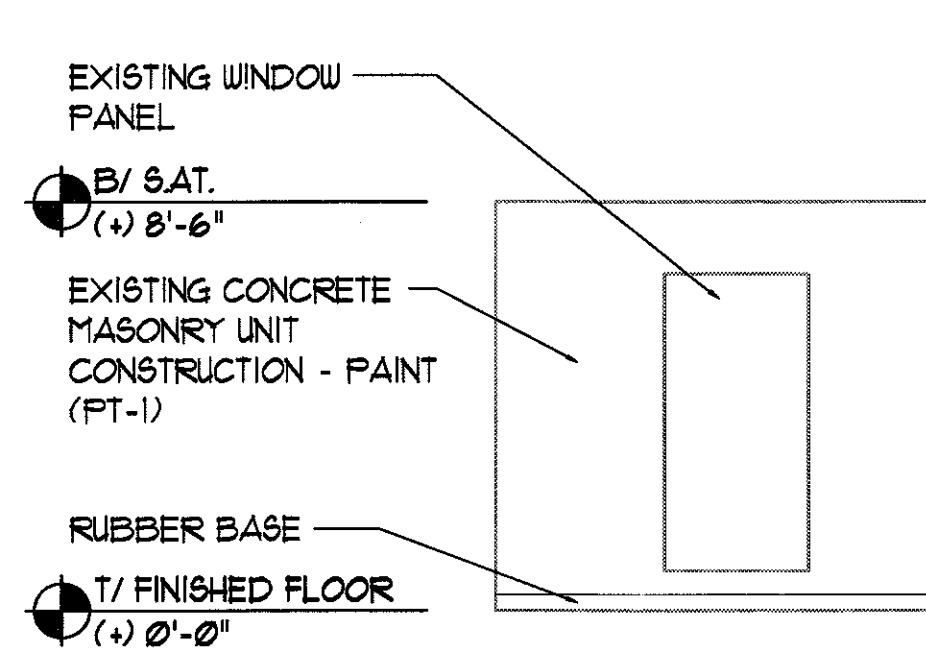
11 INTERIOR ELEVATION
1/4" = 1'-0"



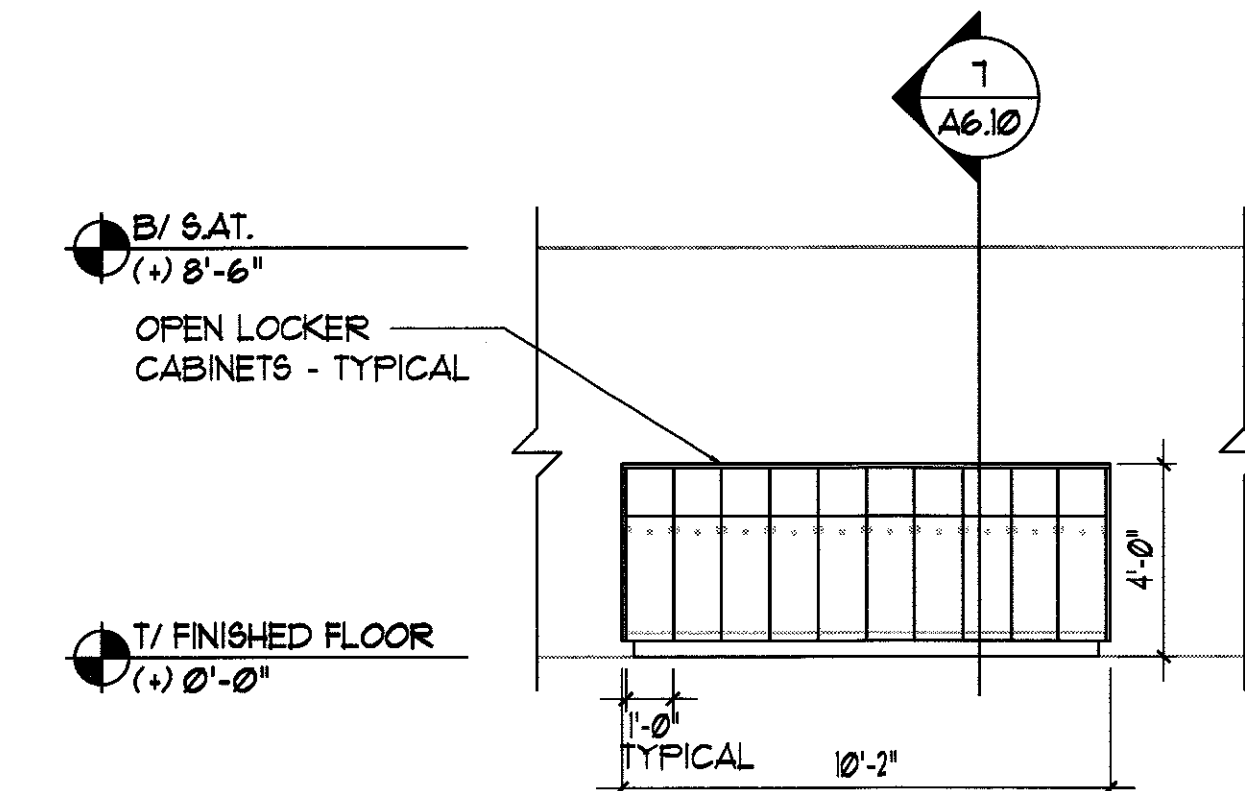
12 INTERIOR ELEVATION
1/4" = 1'-0"



13 INTERIOR ELEVATION
1/4" = 1'-0"



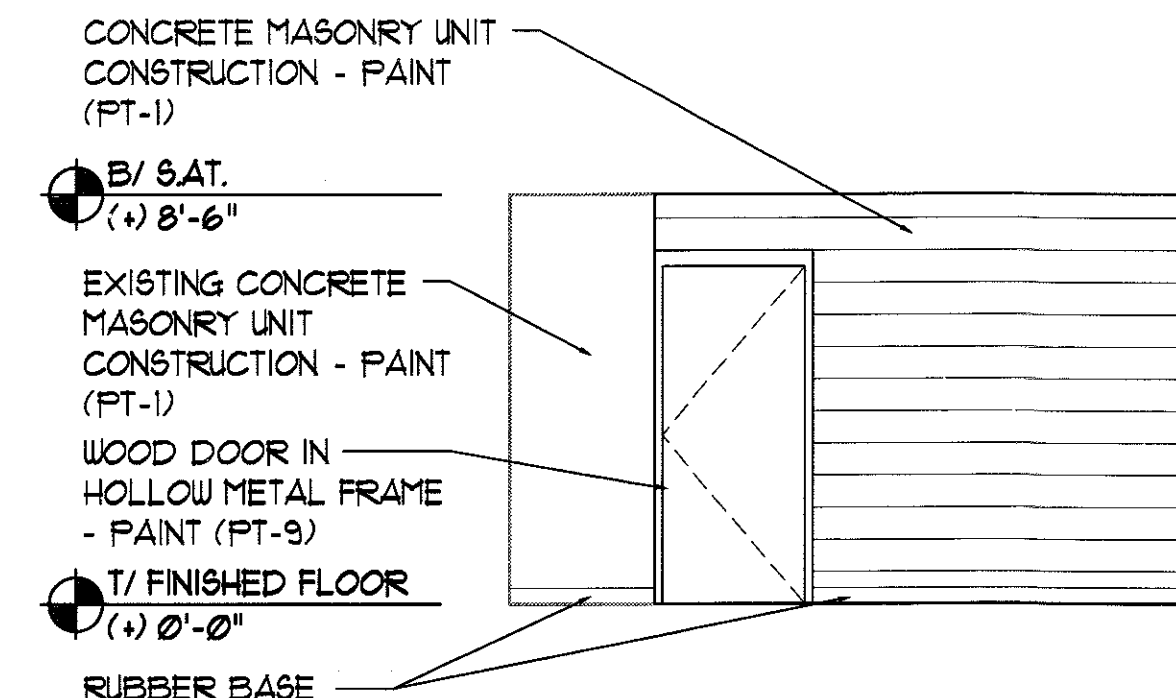
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1/4" = 1'-0"



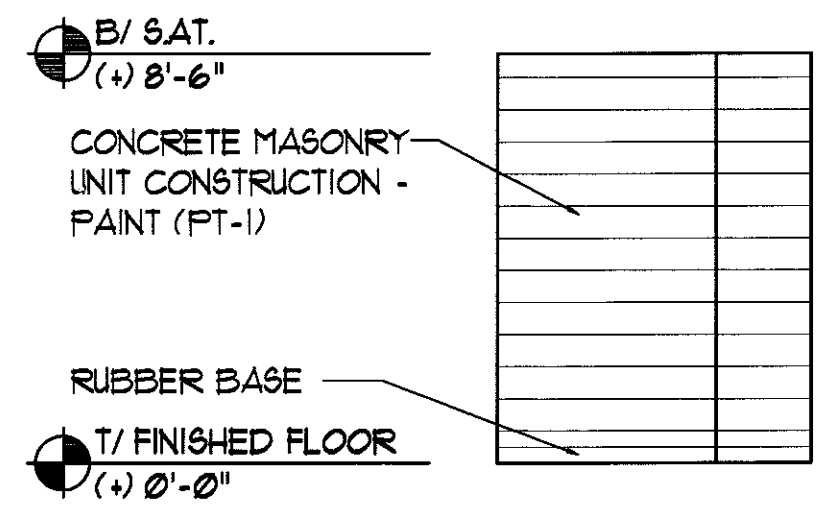
15 INTERIOR ELEVATION
1/4" = 1'-0"

**CUSTOM WOOD CABINET
GENERAL NOTES**

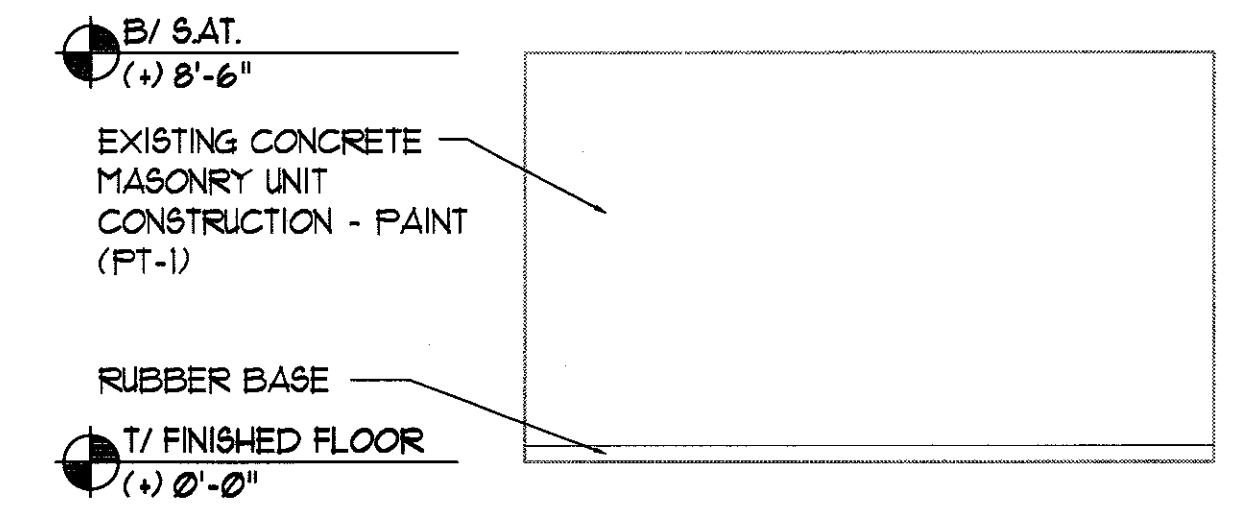
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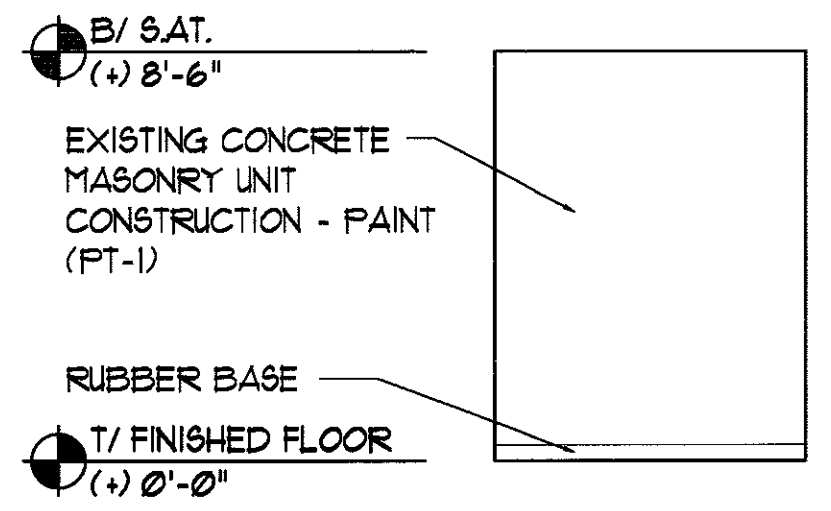
1 INTERIOR ELEVATION
1/4" = 1'-0"



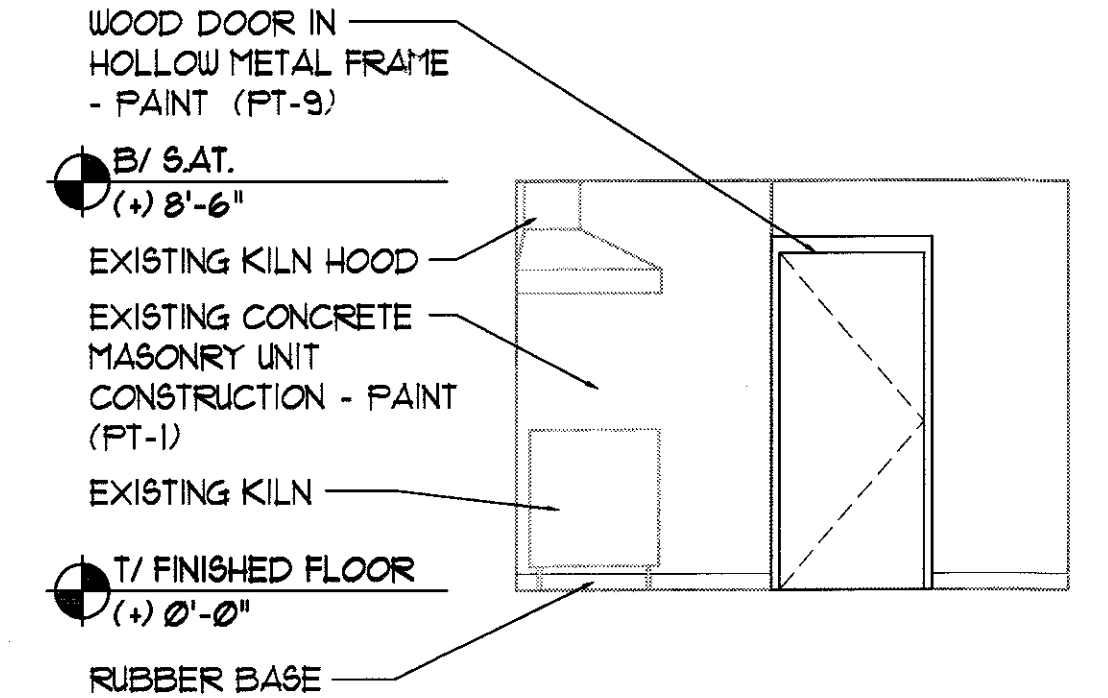
2 INTERIOR ELEVATION
1/4" = 1'-0"



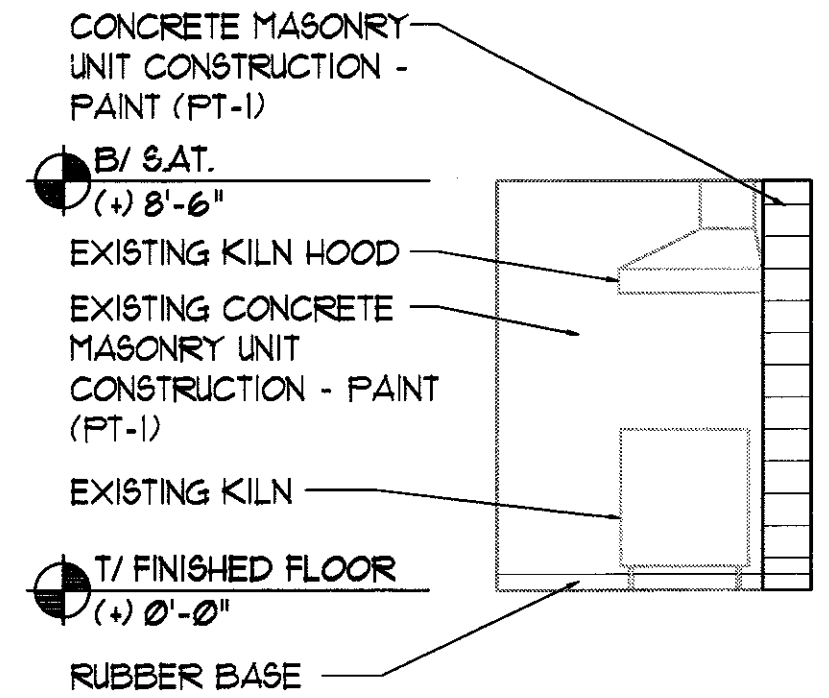
3 INTERIOR ELEVATION
1/4" = 1'-0"



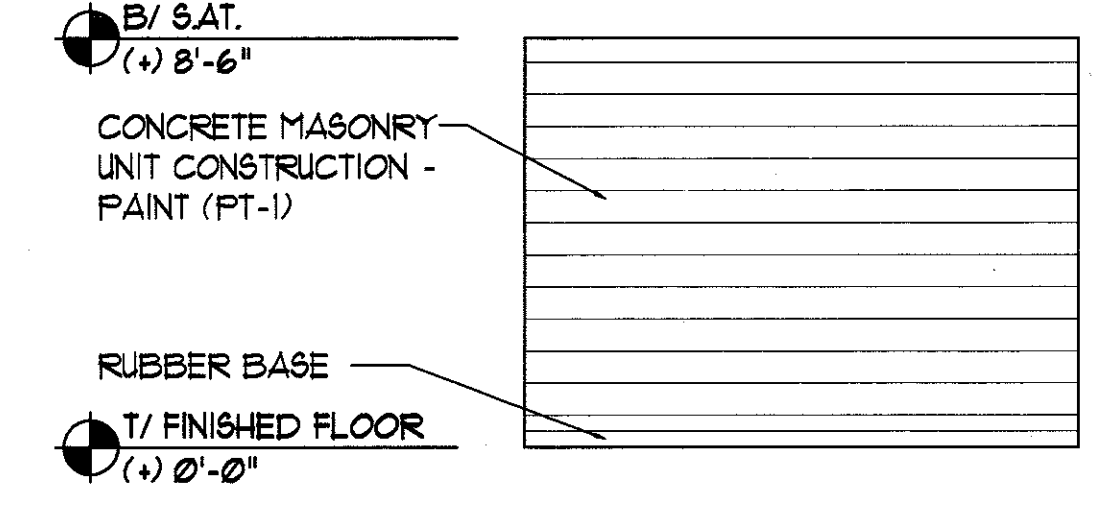
4 INTERIOR ELEVATION
1/4" = 1'-0"



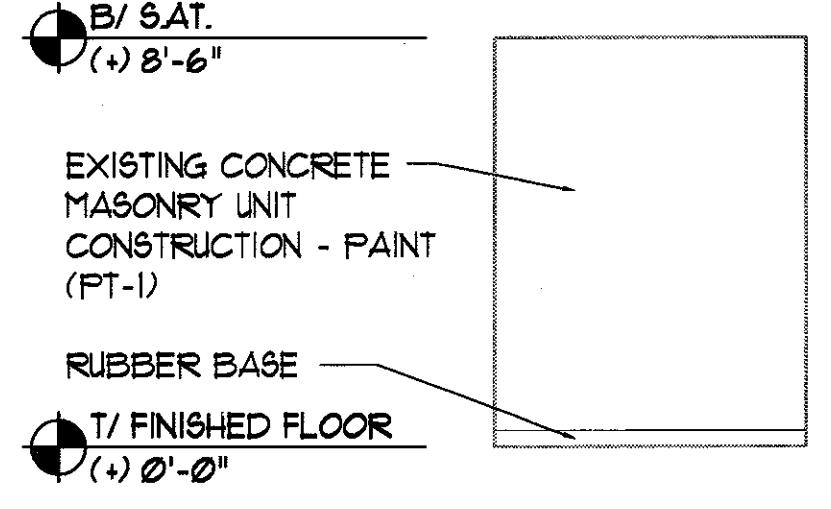
5 INTERIOR ELEVATION
1/4" = 1'-0"



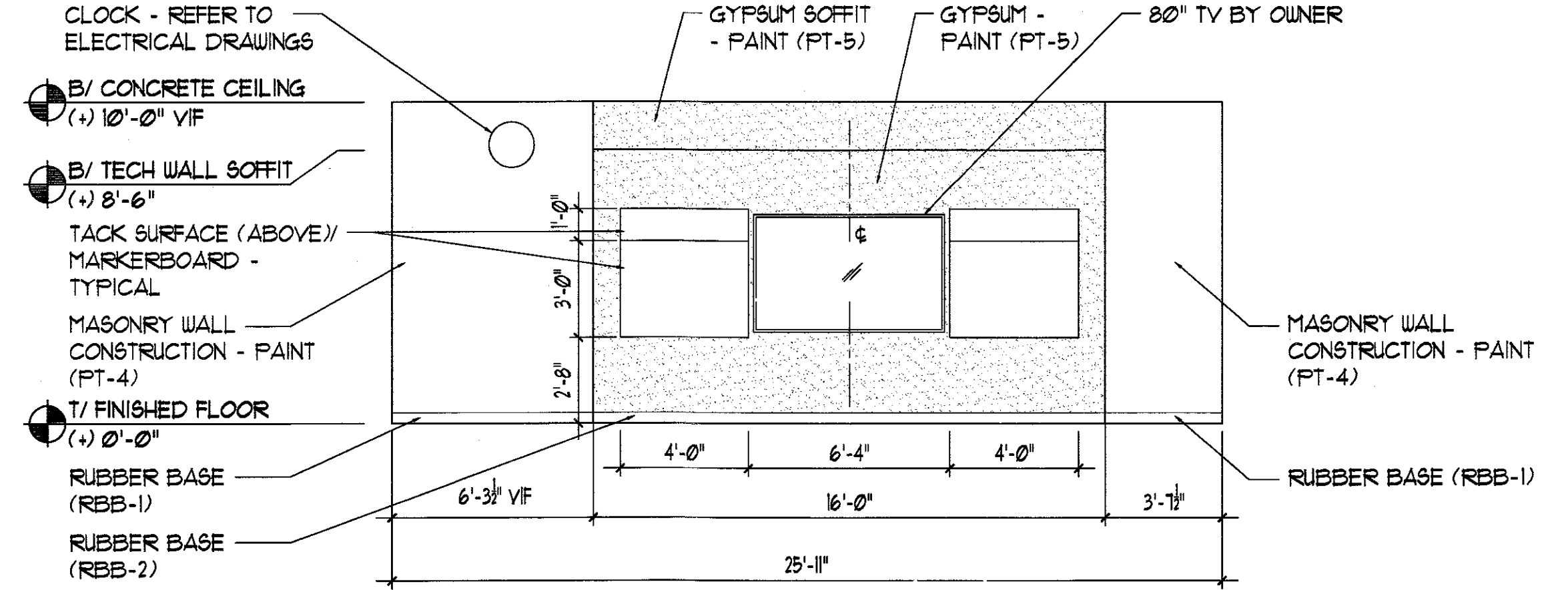
6 INTERIOR ELEVATION
1/4" = 1'-0"



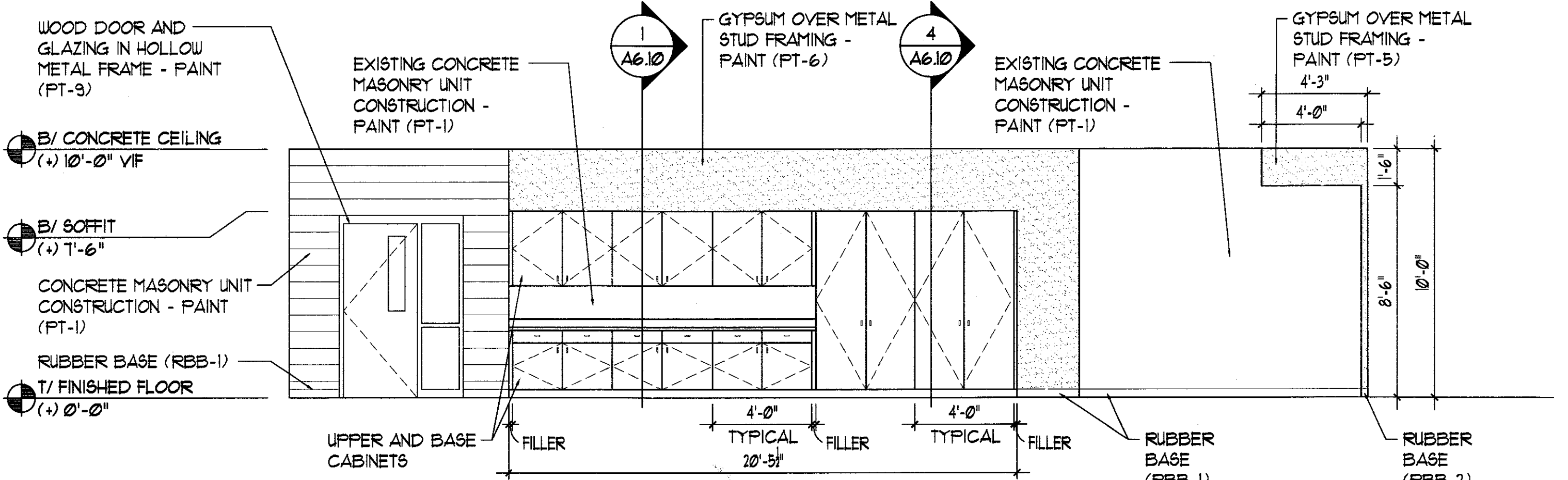
7 INTERIOR ELEVATION
1/4" = 1'-0"



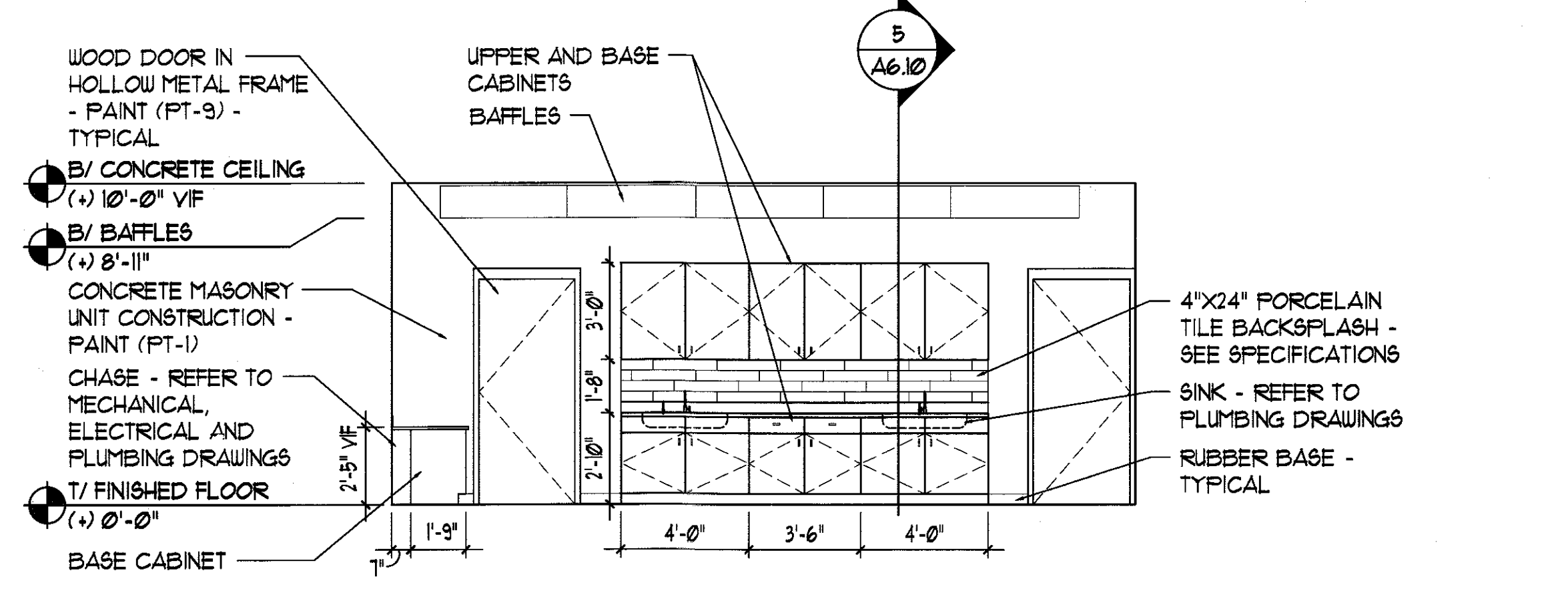
8 INTERIOR ELEVATION
1/4" = 1'-0"



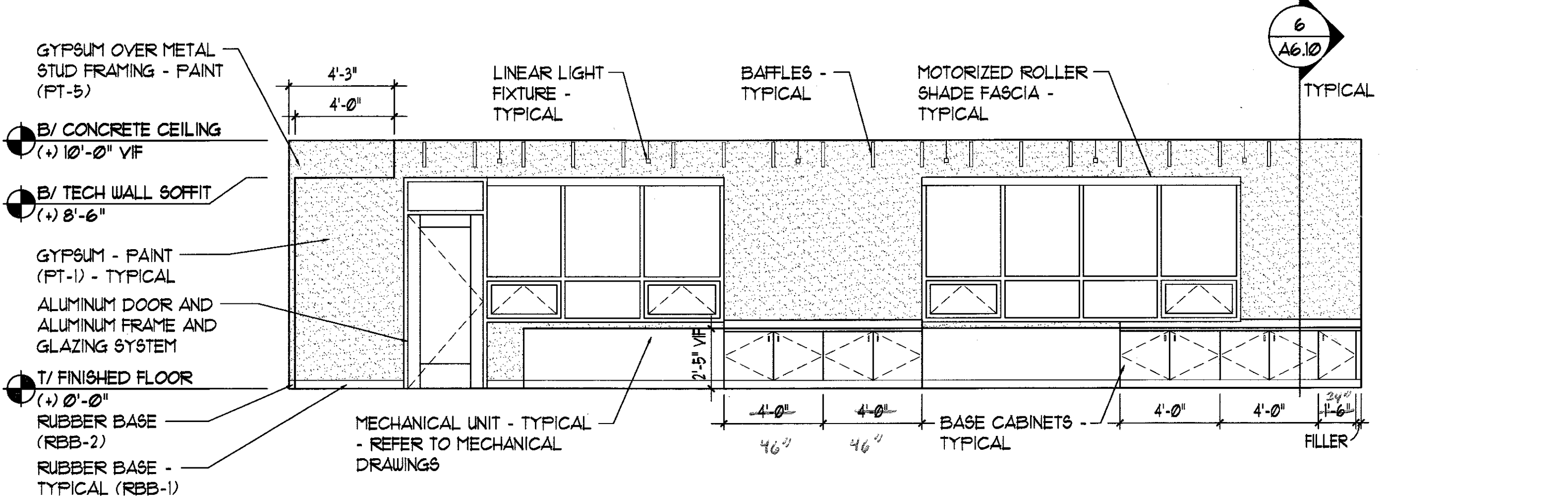
9 INTERIOR ELEVATION
1/4" = 1'-0"



10 INTERIOR ELEVATION
1/4" = 1'-0"



11 INTERIOR ELEVATION
1/4" = 1'-0"



12 INTERIOR ELEVATION
1/4" = 1'-0"

T/ EXISTING ROOF
(+) 11'-9.5"
B/ EXISTING ROOF
(+) 8'-6"
T/ FINISHED FLOOR
(+) 0'-0"

1 SOUTH ELEVATION
1/8" = 1'-0"

T/P # 5005
FILL IN WITH BRICK (INTERIOR)
AND BRICK (EXTERIOR)

Change Order
6001
note bib added

T/P # 5001
INSTALL CONCRETE SIDEWALK
TO MEET EXISTING SIDEWALK

EXTERIOR ELEVATION
REFERENCED NOTES

- EXISTING METAL MANSARD FASCIA PANELS
- EXISTING ALUMINUM DOOR AND GLAZING SYSTEM
- EXISTING ALUMINUM WINDOW AND GLAZING SYSTEM
- EXISTING ALUMINUM LOUVER VENT
- EXISTING MASONRY WALL CONSTRUCTION
- EXISTING FIXED WINDOW PANEL
- EXISTING GYM
- EXISTING ALUMINUM DOORS
- ALUMINUM DOOR, WINDOW AND GLAZING SYSTEM - INFILL EXISTING OPENING AS REQUIRED TO PROVIDE WORK INDICATED - MATCH EXISTING ADJACENT SURFACES - TOOTH-IN MASONRY IN WHOLE UNITS
- ALUMINUM WINDOW AND GLAZING SYSTEM - INFILL EXISTING OPENING AS REQUIRED TO PROVIDE WORK INDICATED - MATCH EXISTING ADJACENT SURFACES - TOOTH-IN MASONRY IN WHOLE UNITS
- CAST STONE SILL
- PRE-FINISHED MECHANICAL LOUVER - REFER TO MECHANICAL DRAWINGS

MASONRY INFILL AND
NEW LOUVERS NOTE

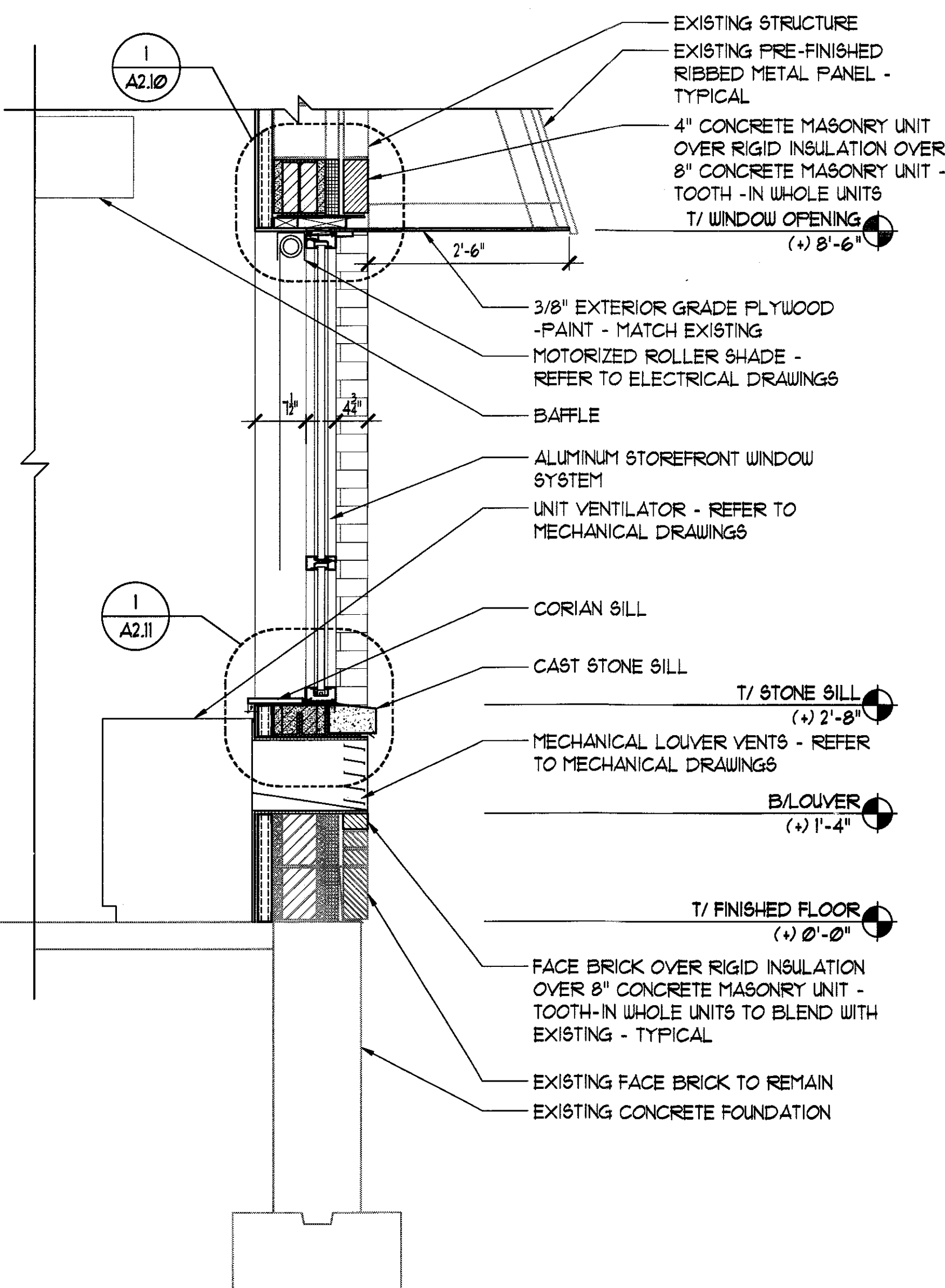
- ALL DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY - CONTRACTOR TO VERIFY IN FIELD ALL MEASUREMENTS AND QUANTITY OF MASONRY INFILL PRIOR TO BEGINNING WORK
- PROVIDE LINTEL AT ALL NEW OPENINGS - REFER TO STRUCTURAL DRAWINGS
- AT FACEBRICK INFILL - TOOTH IN MASONRY IN WHOLE UNITS

EXTERIOR ELEVATION
GENERAL NOTES

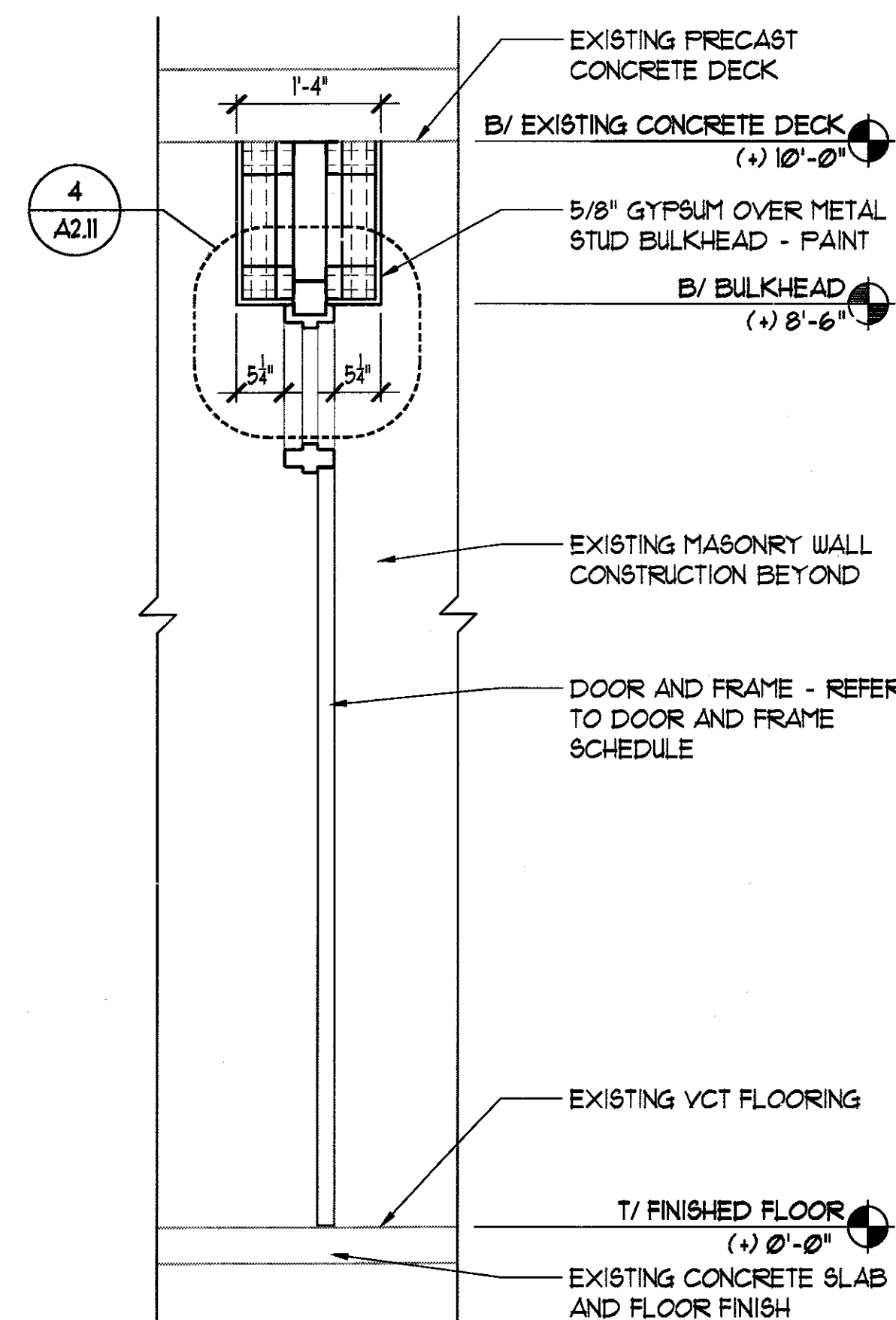
- VERIFY EXACT DIMENSIONS OF ALL EXISTING CONDITIONS IN FIELD
- ALL CONTRACTORS SHALL REPORT ALL DISCREPANCIES OR DIMENSIONAL QUESTIONS TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING
- PROTECT ALL EXISTING FINISHES, EQUIPMENT, AND ADJACENT WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED FINISHES, EQUIPMENT, OR ADJACENT SURFACES SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER
- PATCH EXISTING CONSTRUCTION AT ALL LOCATIONS OF ITEMS SCHEDULED TO BE REMOVED. FINISH TO MATCH ADJACENT SURFACES IN MATERIAL AND TEXTURE - TOOTH-IN ALL MASONRY IN WHOLE UNITS - UNLESS OTHERWISE NOTED
- PROVIDE VERTICAL CONTROL JOINTS (C.J.) AT BRICK VENEER, TYPICAL - 24" FROM ONE SIDE OF ANY CORNER (MINIMUM) AND 20'-0" ON CENTER (MAXIMUM)
- REFER TO MECHANICAL DRAWINGS FOR LOUVER SIZES

LEGEND

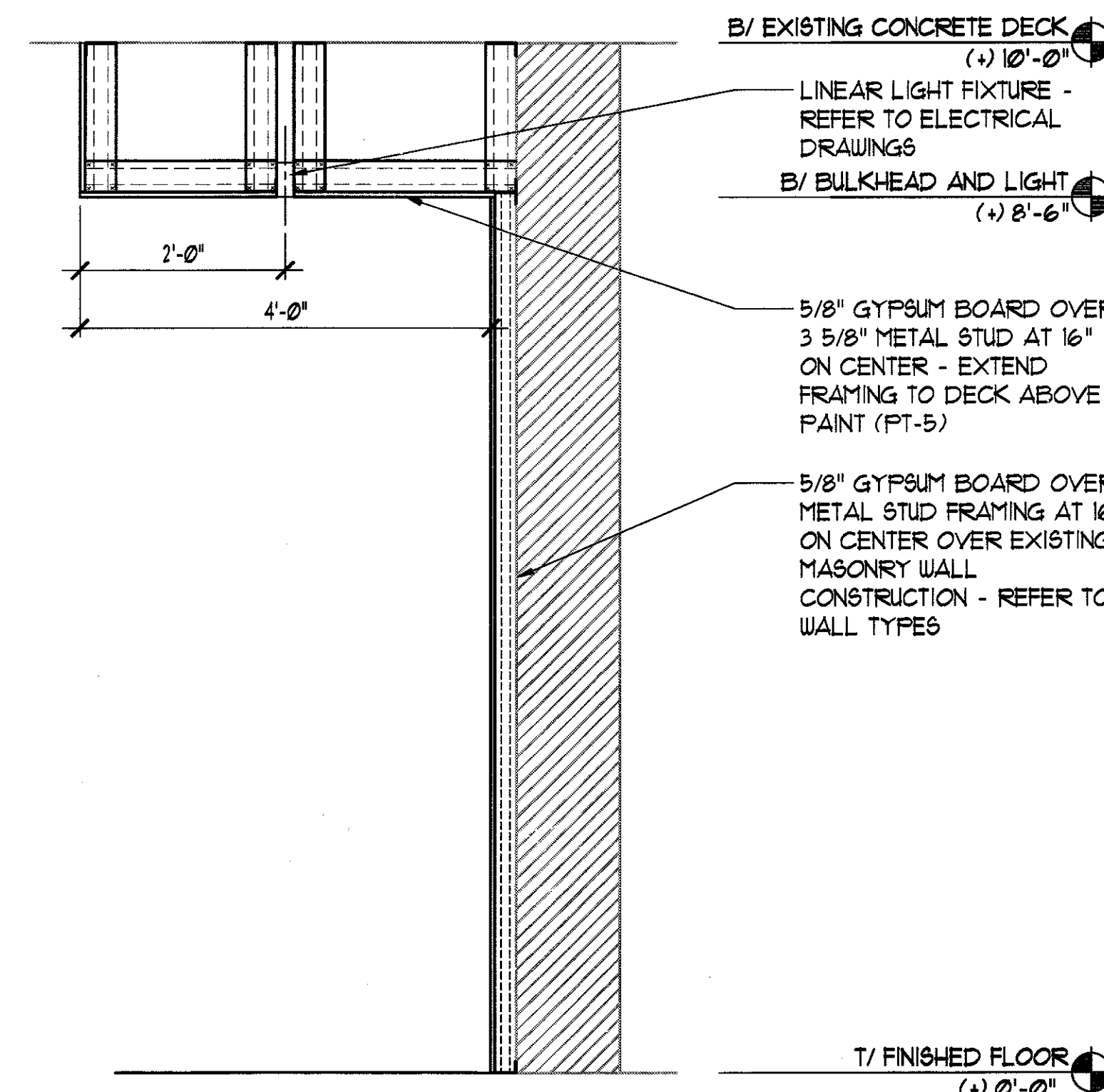
- EXISTING SURFACE TO REMAIN
- FACE BRICK - ALL BRICK TO BE FIELD COLOR UNLESS NOTED OTHERWISE - REFER TO REFERENCED NOTES AND SPECIFICATIONS FOR MORE INFORMATION



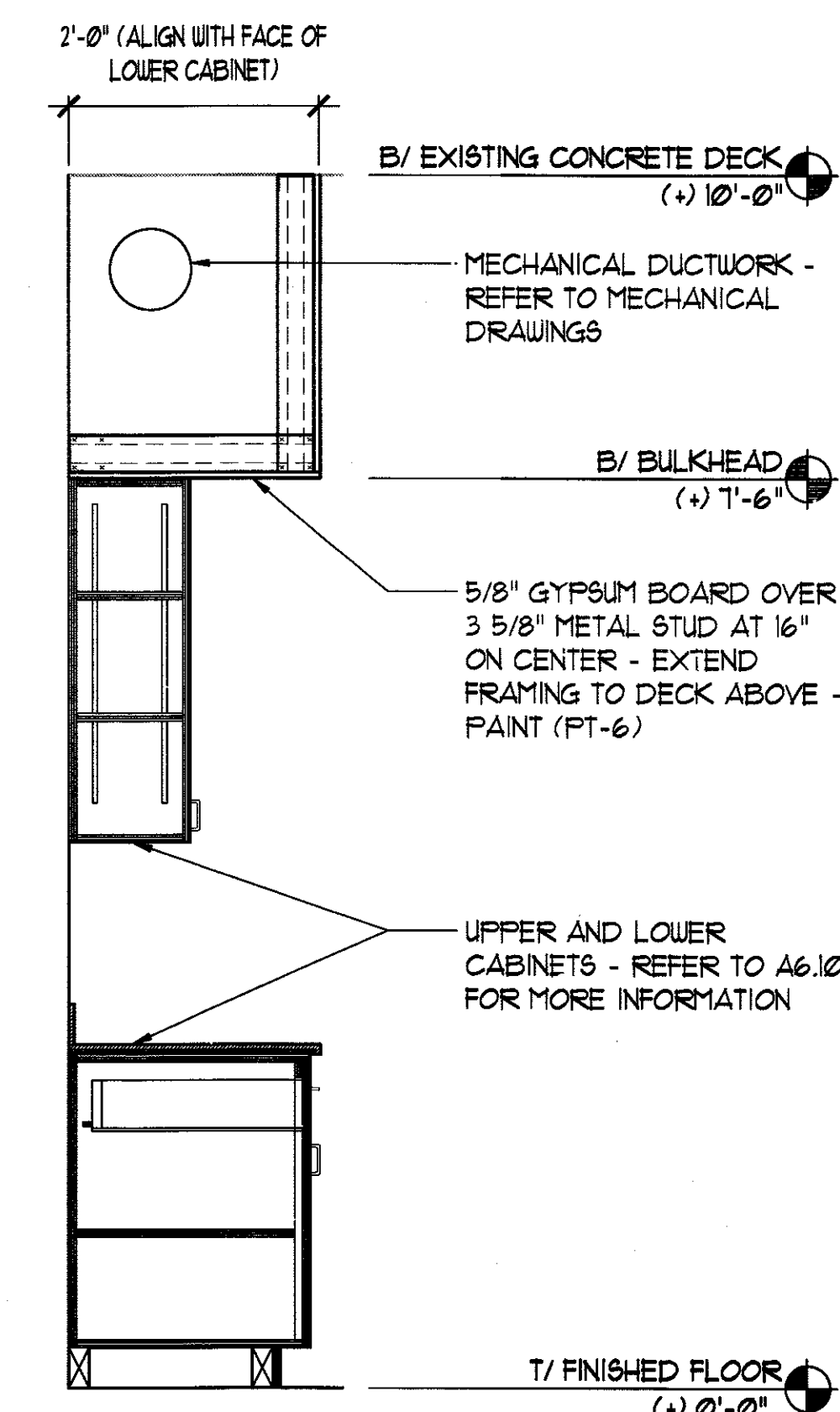
2 WALL SECTION
3/4" = 1'-0"



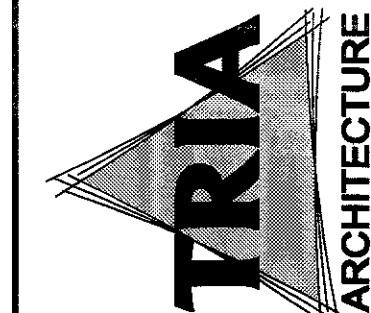
3 WALL SECTION
3/4" = 1'-0"



4 WALL SECTION
3/4" = 1'-0"

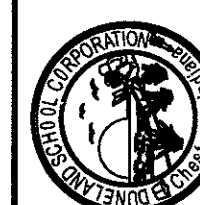


5 WALL SECTION
3/4" = 1'-0"

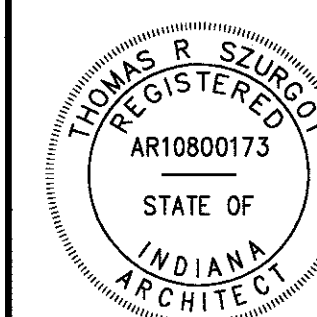


TRIA ARCHITECTURE
1111 W. 10TH ST. SUITE 200
OKLAHOMA CITY, OK 73106
(405) 233-1000

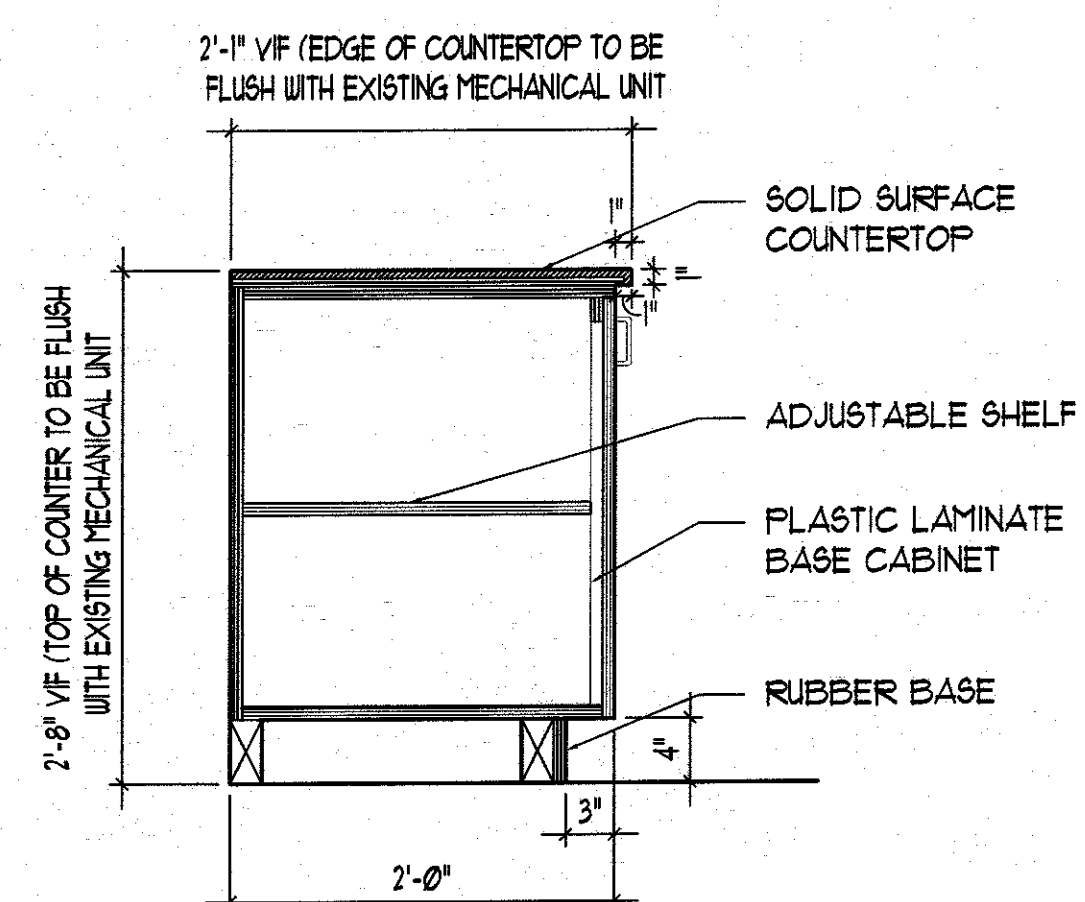
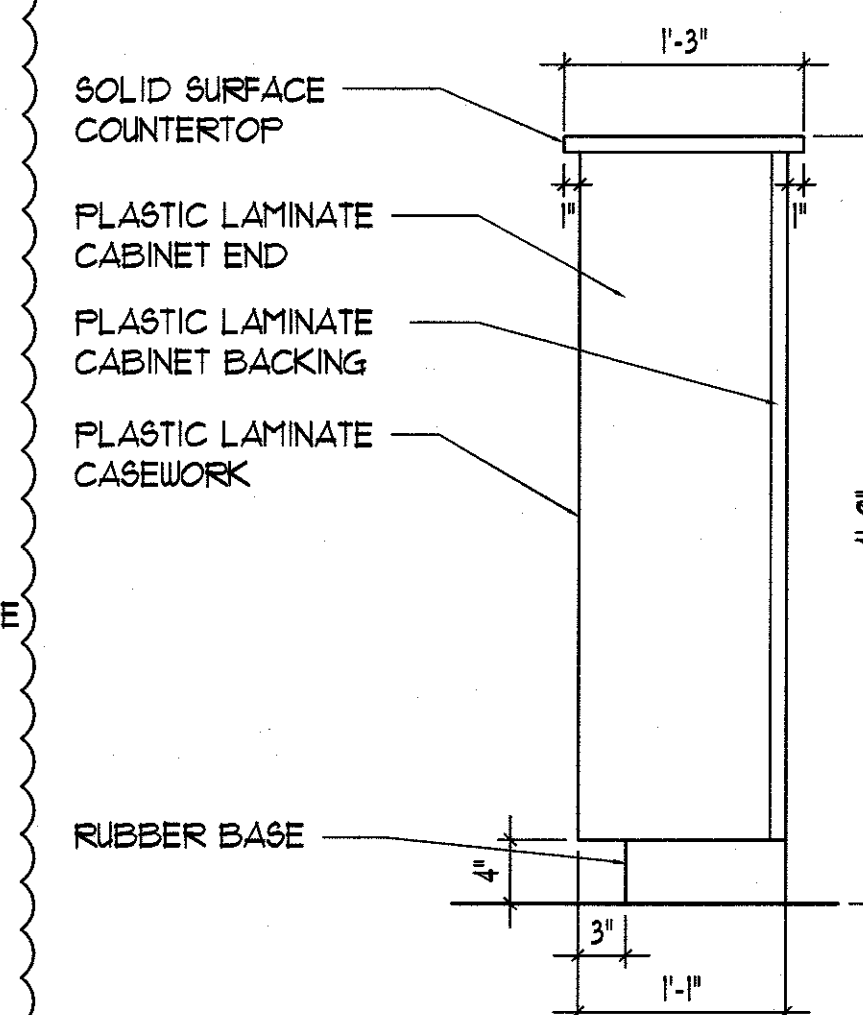
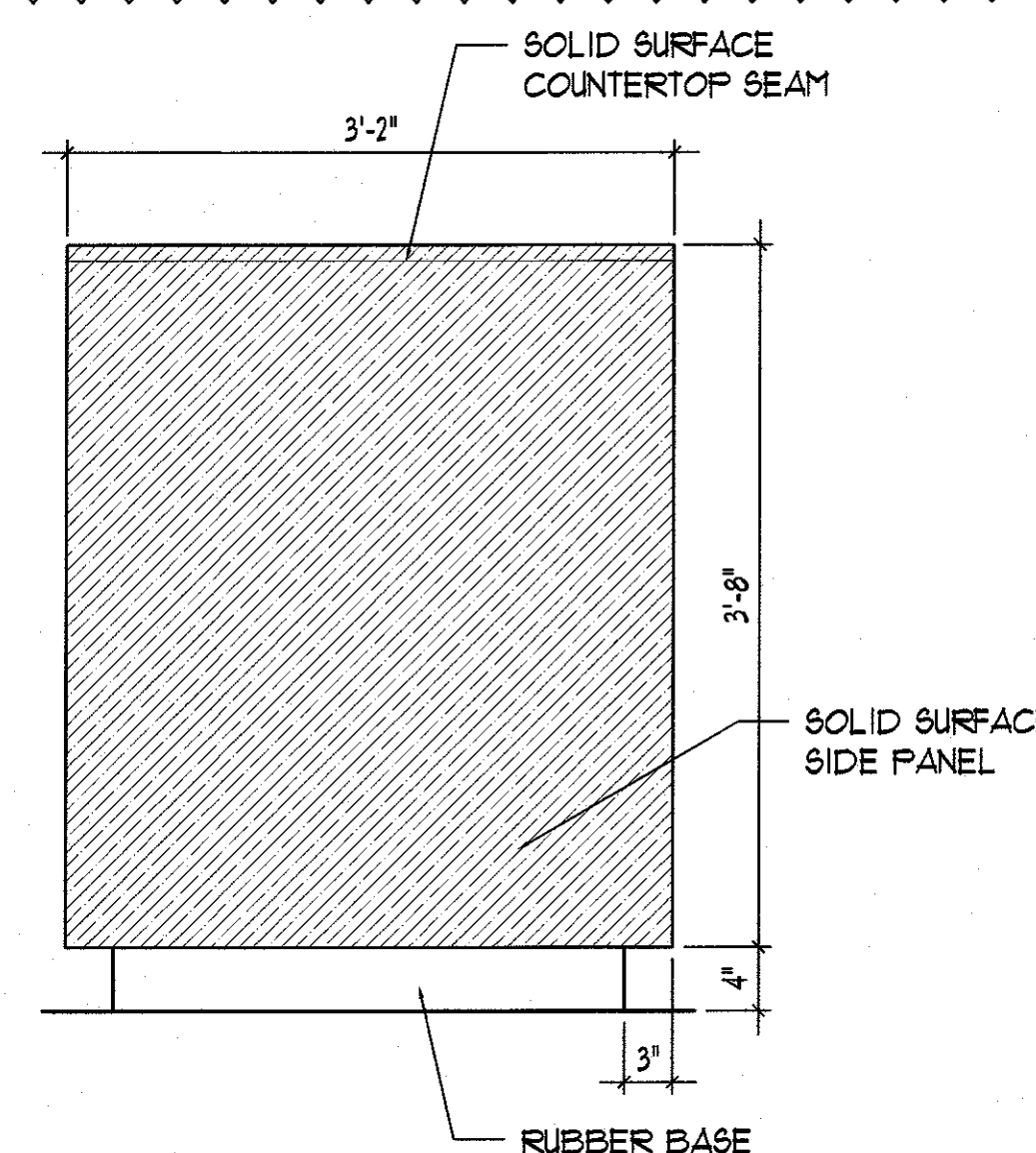
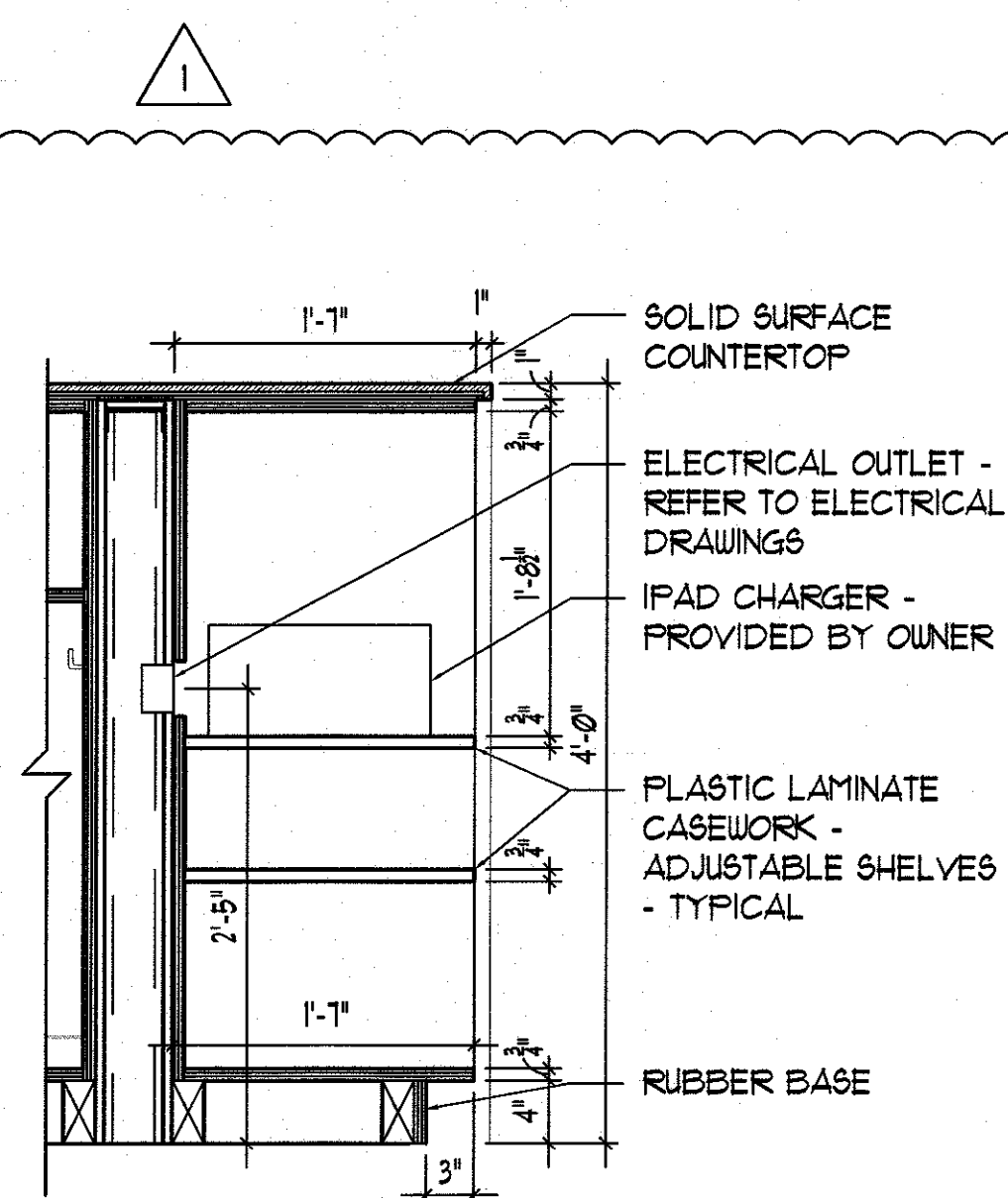
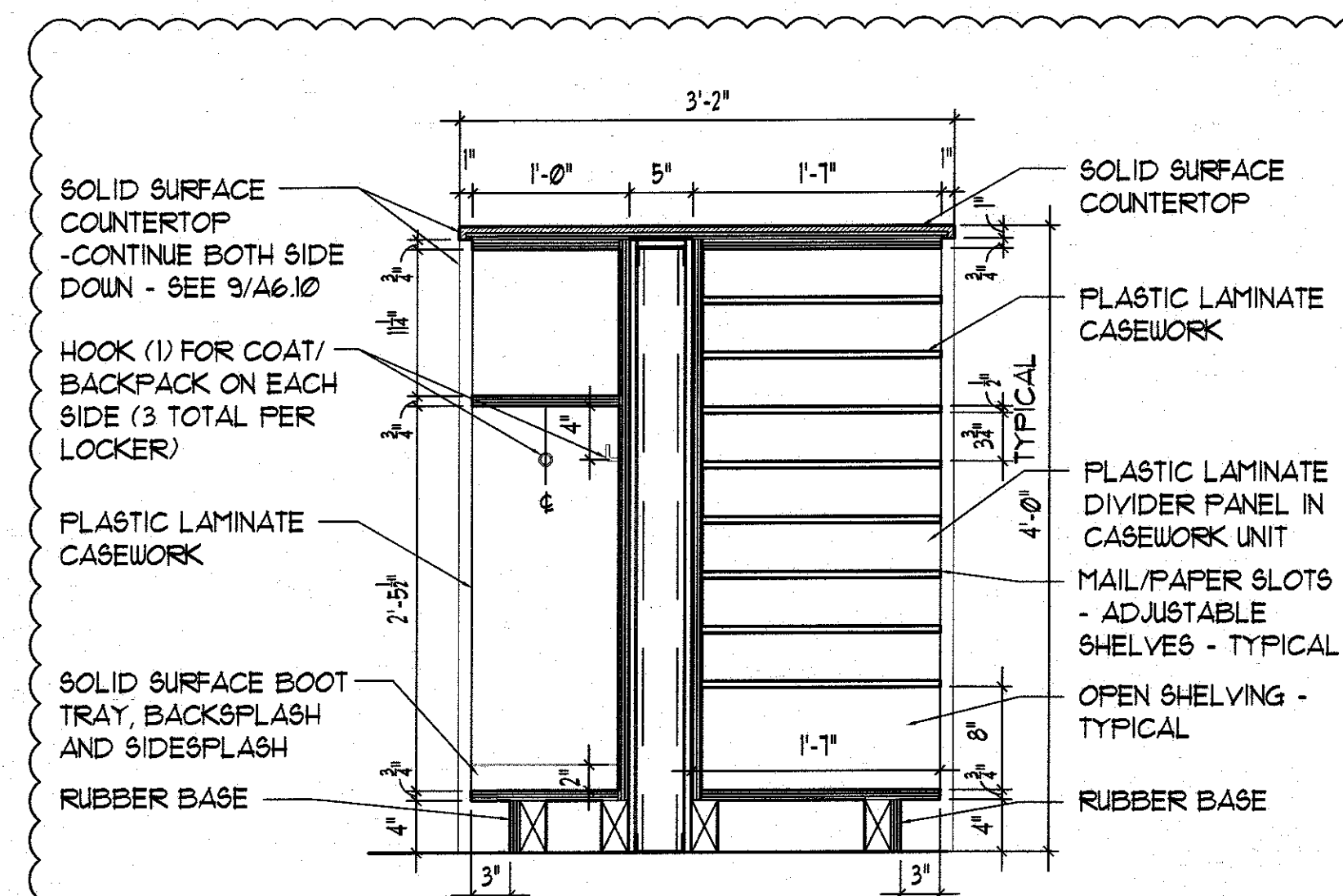
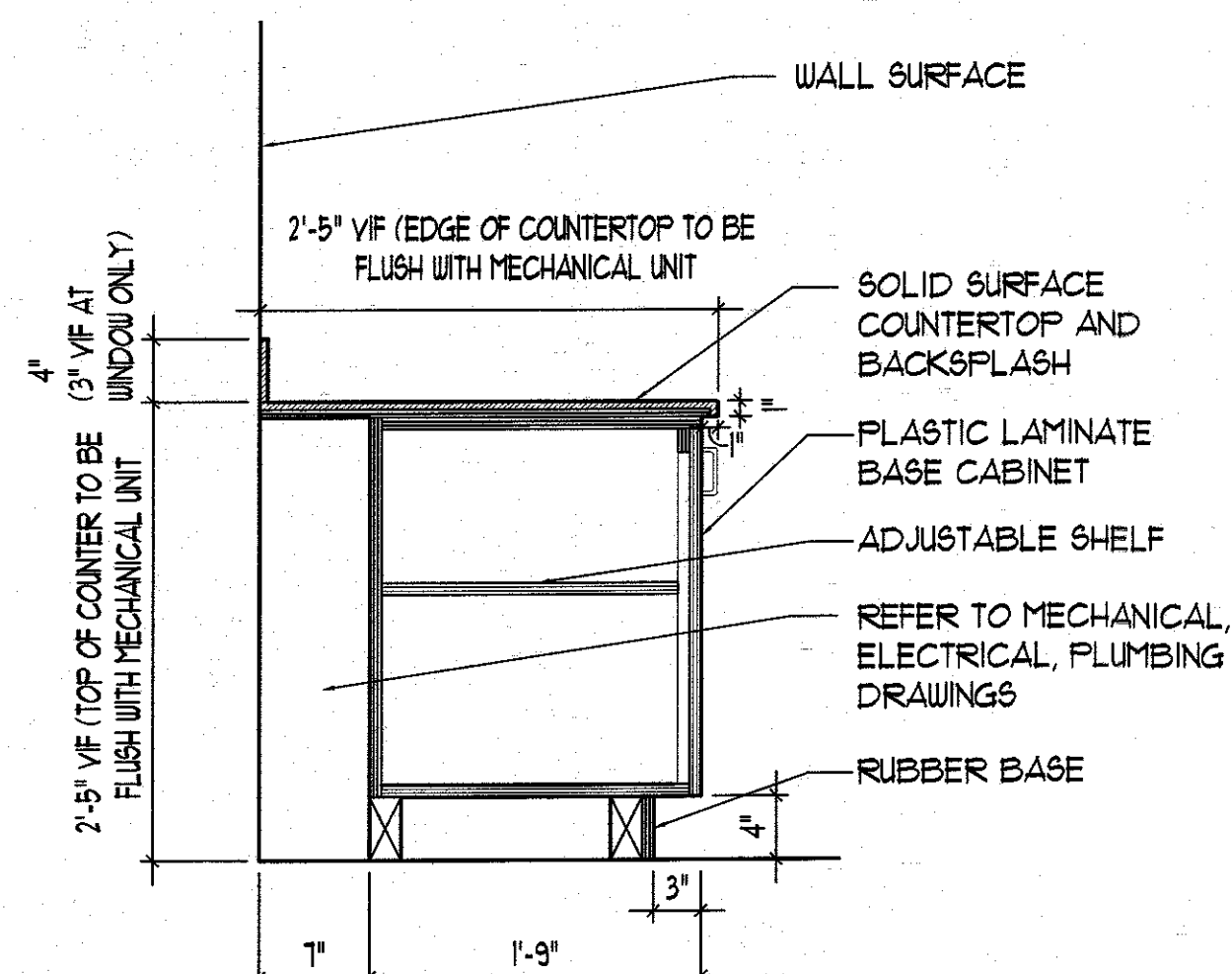
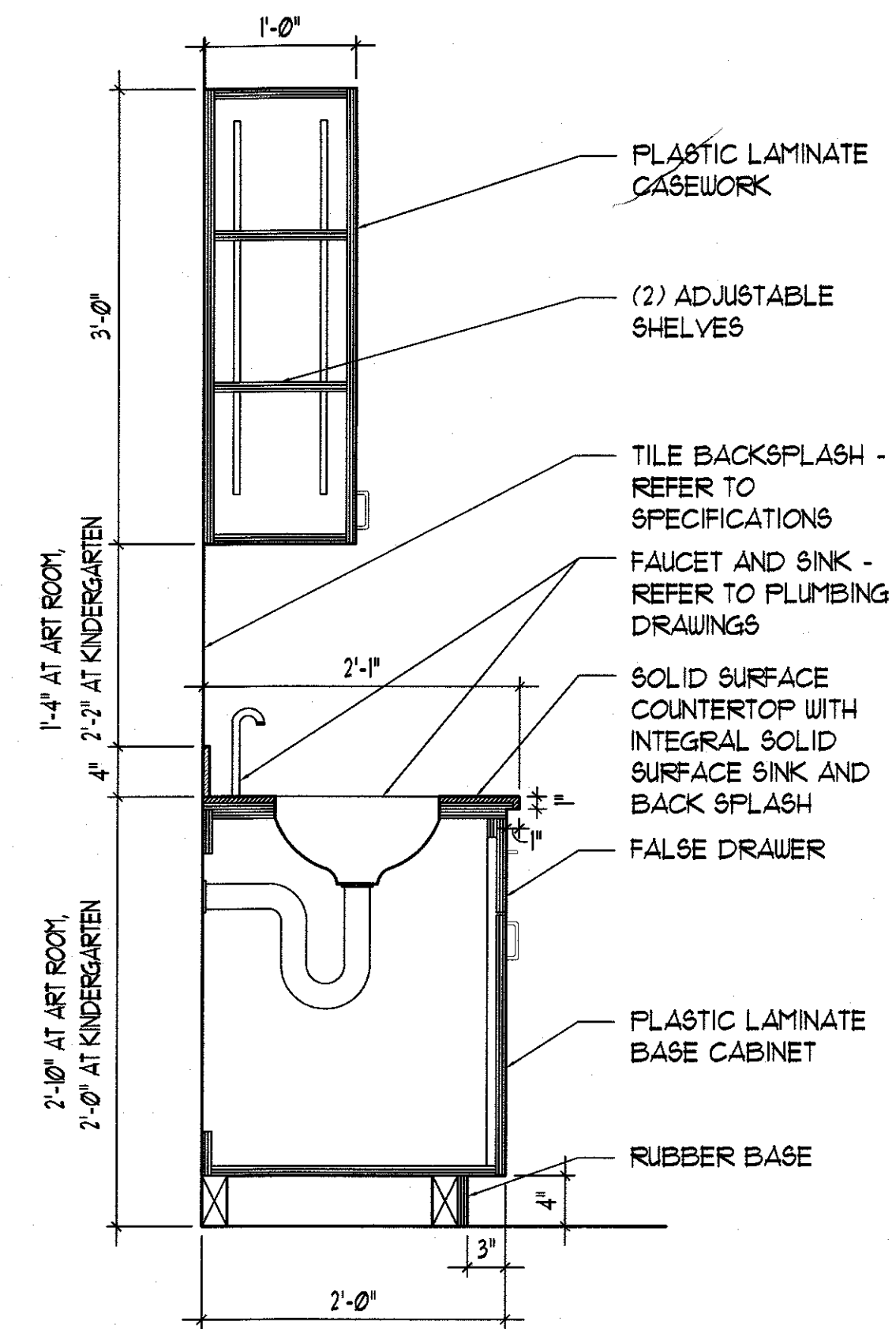
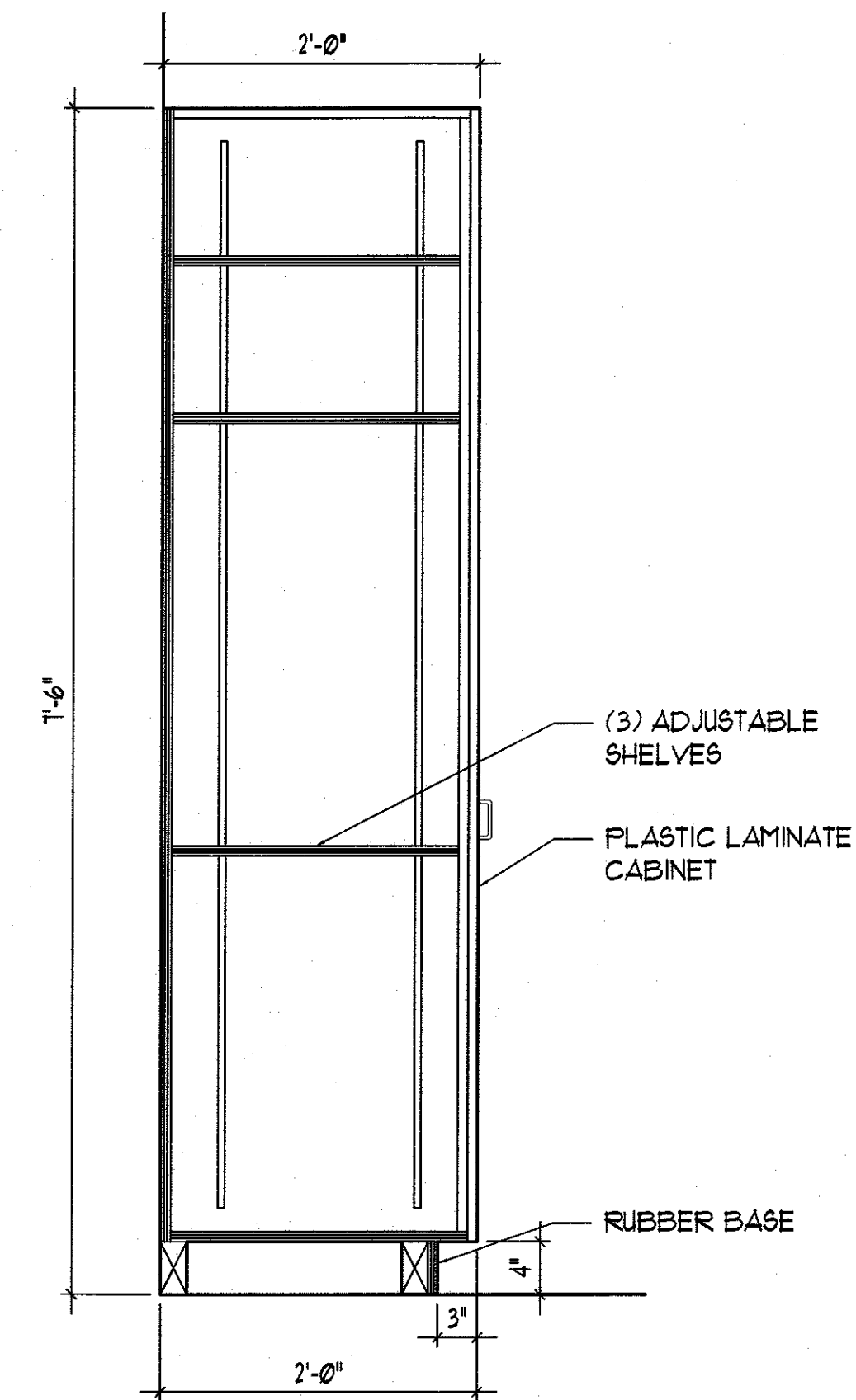
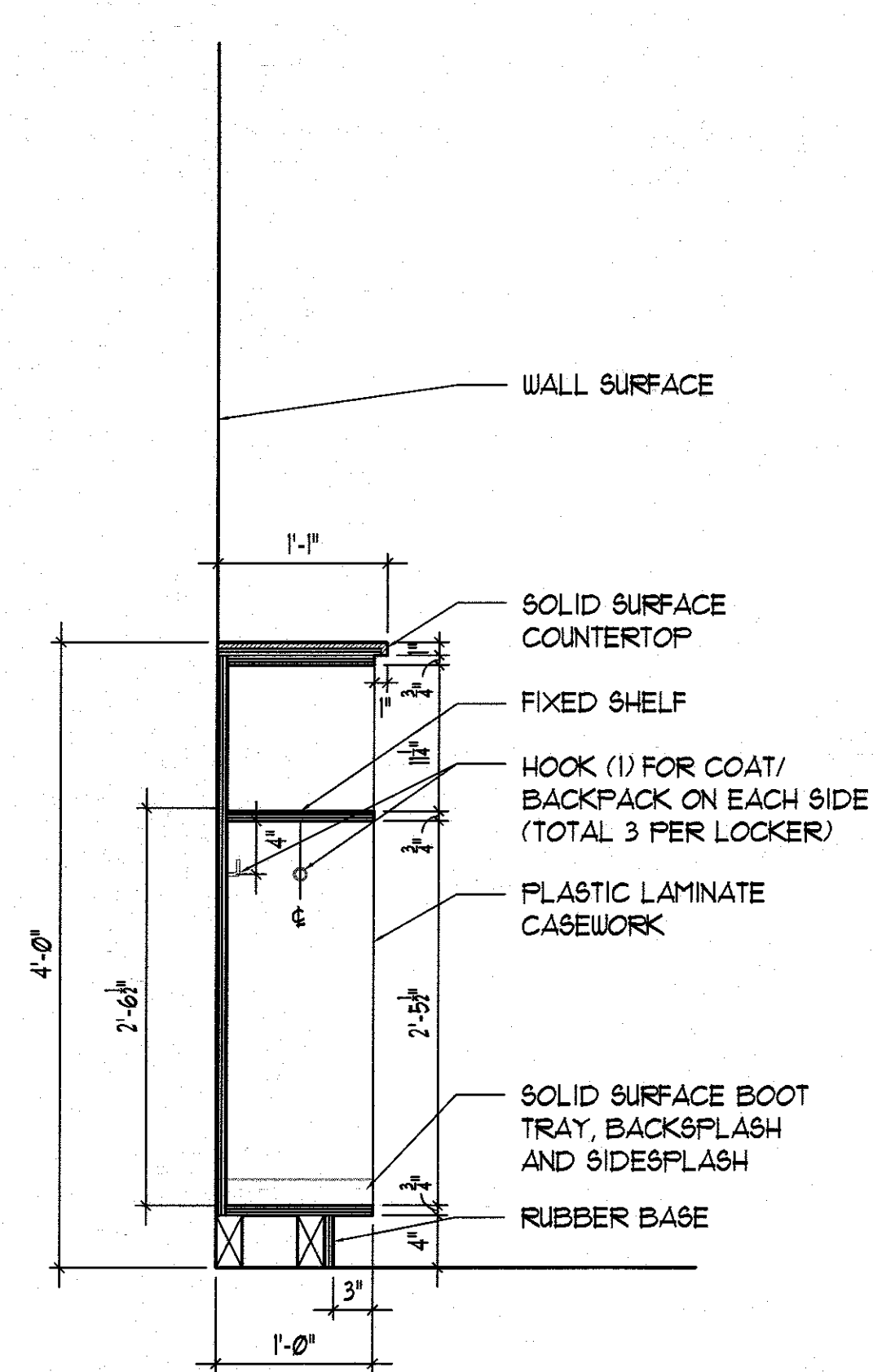
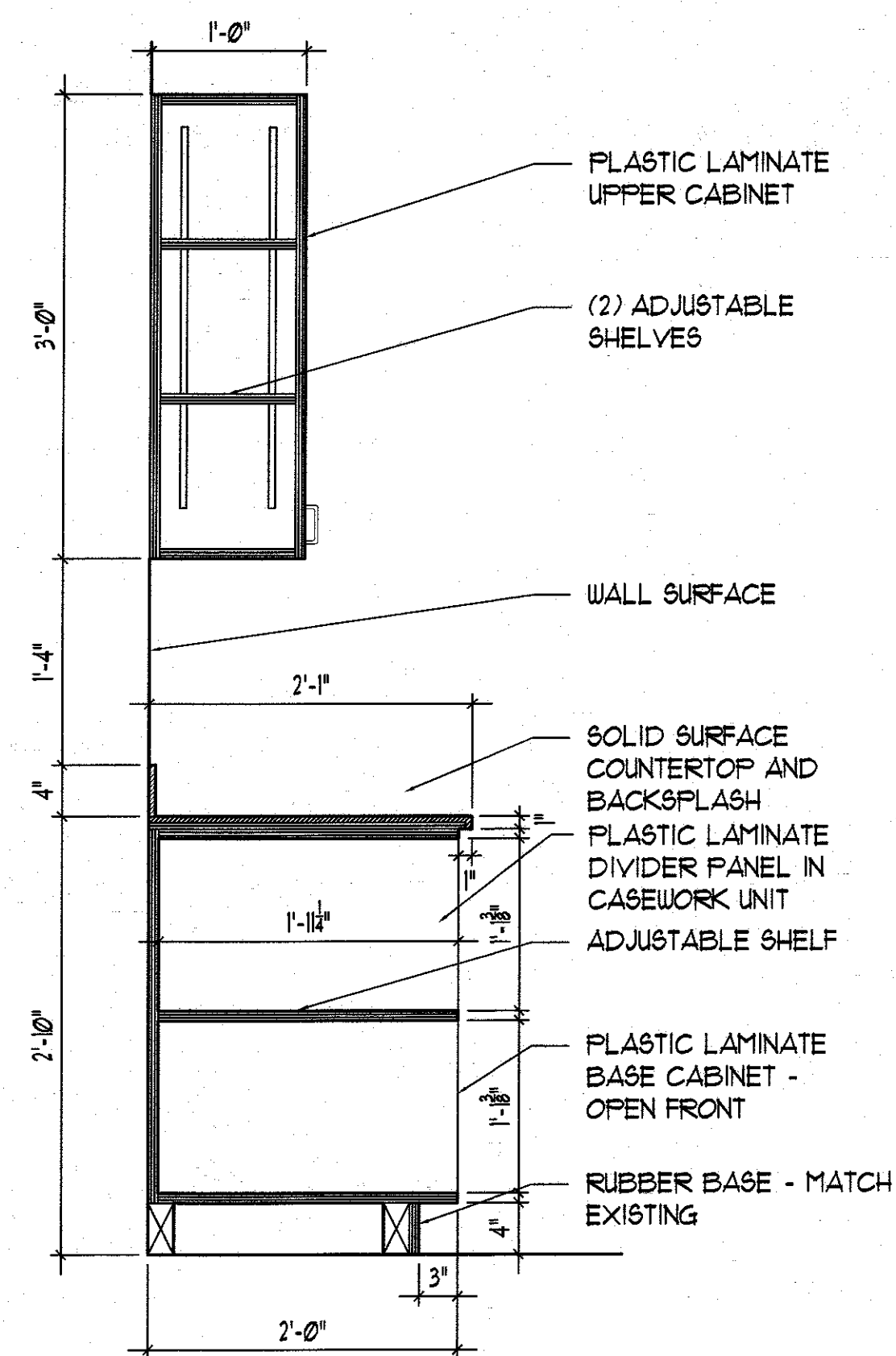
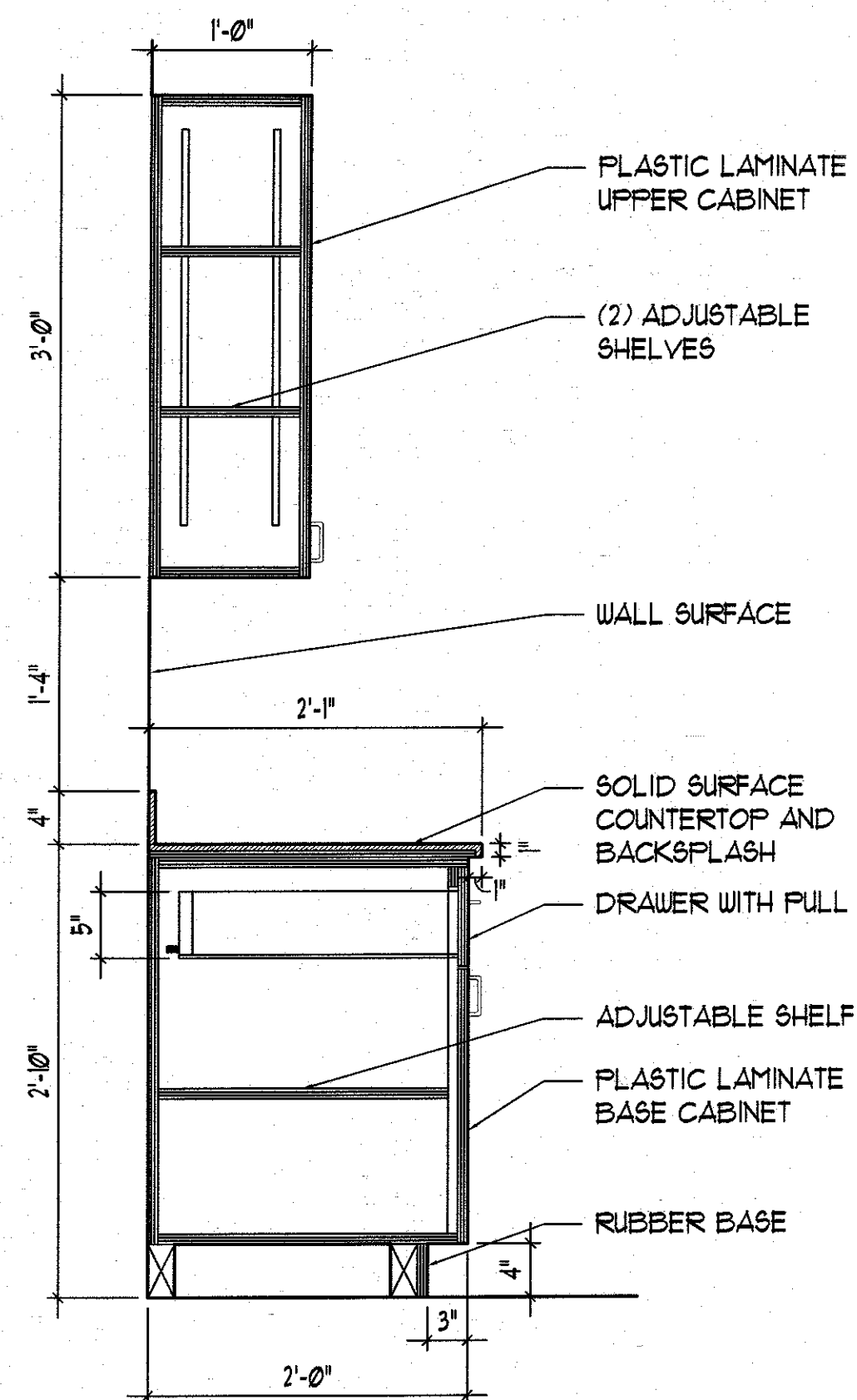
DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



REVISIONS
PROJECT NUMBER: 11-003
PROJECT MANAGER: NYS
DRAWN BY: NYS
DATE FOR BID AND PERMIT: 02/01/2018
EXTERIOR ELEVATION
AND WALL SECTIONS




A4.00










Millies Engineering Group
9711 VALPARISO DR. #A
MANSTER, INDIANA 46321
(P) 219.924.2400
(F) 219.924.5032

 **2018 RENOVATIONS AT:**
DUNELAND SCHOOL CORPORATION
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304

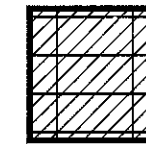


PROJECT MANAGER:	MMG	
DRAWN BY:	PBN	
		
		
ISSUED FOR BID AND PERMIT: 01/24/2018		

PARTIAL FIRST FLOOR REFLECTED
CEILING PLAN AND DETAILS

A7.10

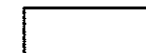
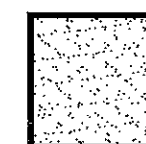
LEGEND



PENDANT MOUNTED LINEAR LIGHT FIXTURE- BOTTOM OF FIXTURE TO BE
2" ABOVE THE BOTTOM FACE OF ACOUSTICAL CEILING BAFFLE- REFER
TO ELECTRICAL DRAWINGS



2" x 4' RECESSED LINEAR LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS



T/M 5003 EXPAND OPENING TO 20" X 20"
MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWING

MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS

MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS

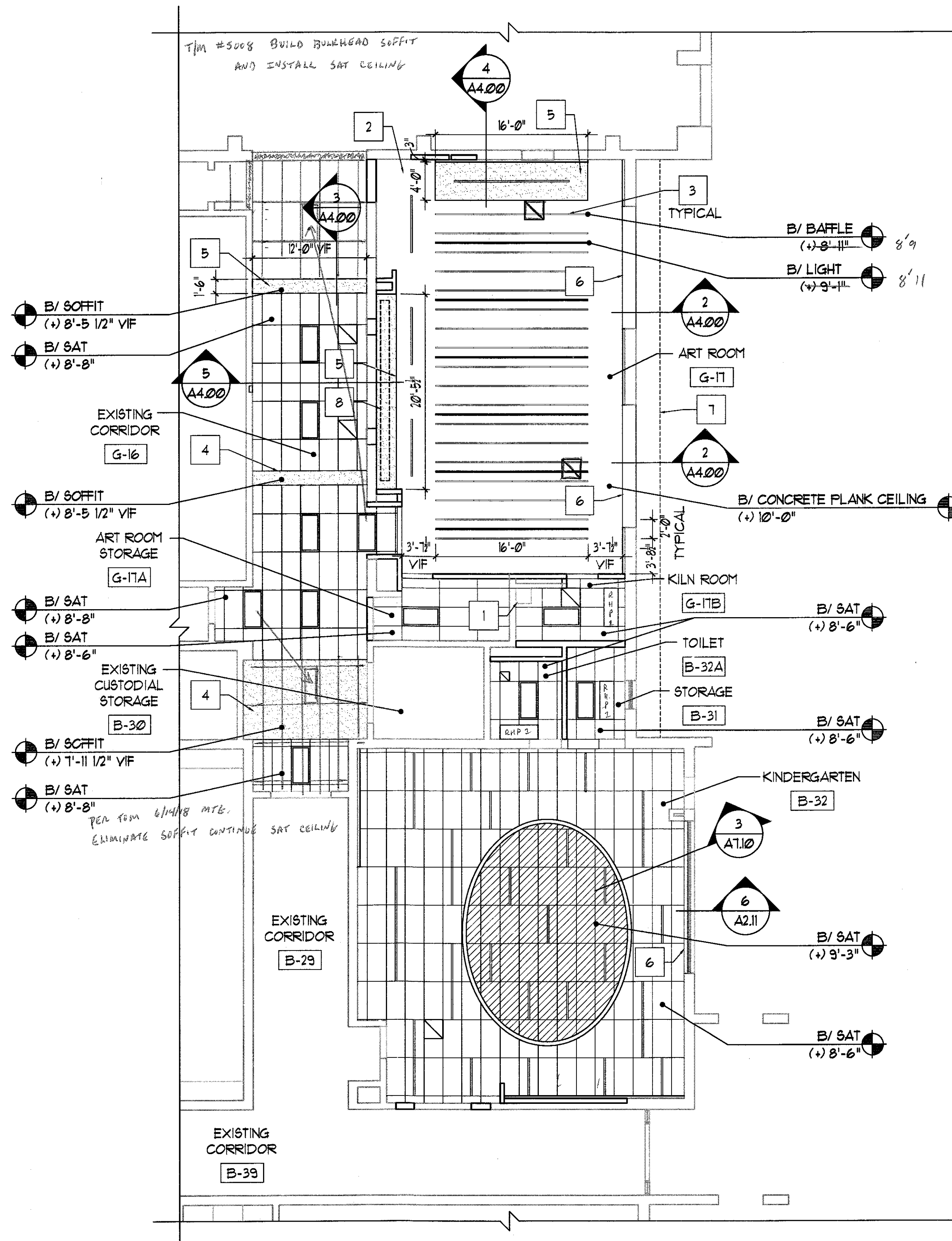
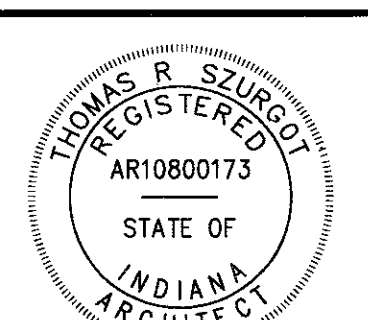
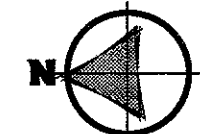
EXISTING REFLECTED CEILING PLAN GENERAL NOTES

1. ALL STORAGE, ELEVATOR AND TOILET ROOM CEILING HEIGHTS SHALL BE 8'-6" ABOVE FINISHED FLOOR - CONTRACTOR TO COORDINATE ALL HEIGHTS IN FIELD WITH MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ITEMS (NEW AND EXISTING) - NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO INSTALLATION.
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL AREAS OF ABOVE CEILING WORK REMOVE AND PATCH /OR RE-INSTALL EXISTING CEILINGS IN THESE LOCATIONS ONLY AS REQUIRED TO PROVIDE WORK INDICATED TO OCCUR PRIOR TO PHASE OF CEILING WORK.
3. CONTRACTOR TO VERIFY ALL EXISTING CEILING HEIGHTS PRIOR TO BEGINNING WORK ON ANY CEILING SCHEDULED TO RECEIVE WORK.
4. FIELD VERIFY ALL EXISTING CONDITIONS. IN THE EVENT THAT AN ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM. ITEMS SHOWN ARE INDICATED TO GIVE A GENERAL SCOPE OF WORK. ANY ITEMS REQUIRING REMOVAL/DEMOLITION TO PROPERLY PERFORM CONTRACT WORK BUT NOT SPECIFICALLY SHOWN, SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST, PROVIDING THE CONDITION WAS VISIBLE DURING BIDDING.
5. SHORE OR BRACE ALL EXISTING CONSTRUCTION AS REQUIRED TO PERFORM WORK.
6. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, INFILLING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING, AND REFINISHING SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION.
7. PROTECT ALL EXISTING FINISHES, EQUIPMENT, AND ADJACENT WORK NOT SCHEDULED TO BE REMOVED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED FINISHES, EQUIPMENT, OR ADJACENT SURFACES SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
8. THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ANY MATERIAL OR EQUIPMENT REMOVED.

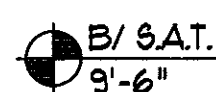
REFLECTED CEILING PLAN REFERENCED NOTES

1. EXISTING KILN HOOD - REFER TO MECHANICAL DRAWINGS.
2. EXISTING PRE-CAST CONCRETE DECK AND STRUCTURE - PAINT - REFER TO SHEET A350.
3. FIBERGLASS ACOUSTICAL Baffle (FAB-1) ATTACHED TO TRACK ON PRE-CAST CONCRETE PANEL CEILING WITH SECURE, RIGID CONNECTION HARDWARE.
4. EXISTING WOOD SOFFIT - LAMINATE WITH GYPSUM - PAINT COLOR "2 (BURGUNDY)".
5. GYPSUM BULKHEAD/ SOFFIT.
6. MOTORIZED ROLLER SHADES - REFER TO ELECTRICAL DRAWINGS.
7. EXISTING OVERHANG TO REMAIN - PATCH AT NEW WINDOW LOCATIONS.
8. MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.

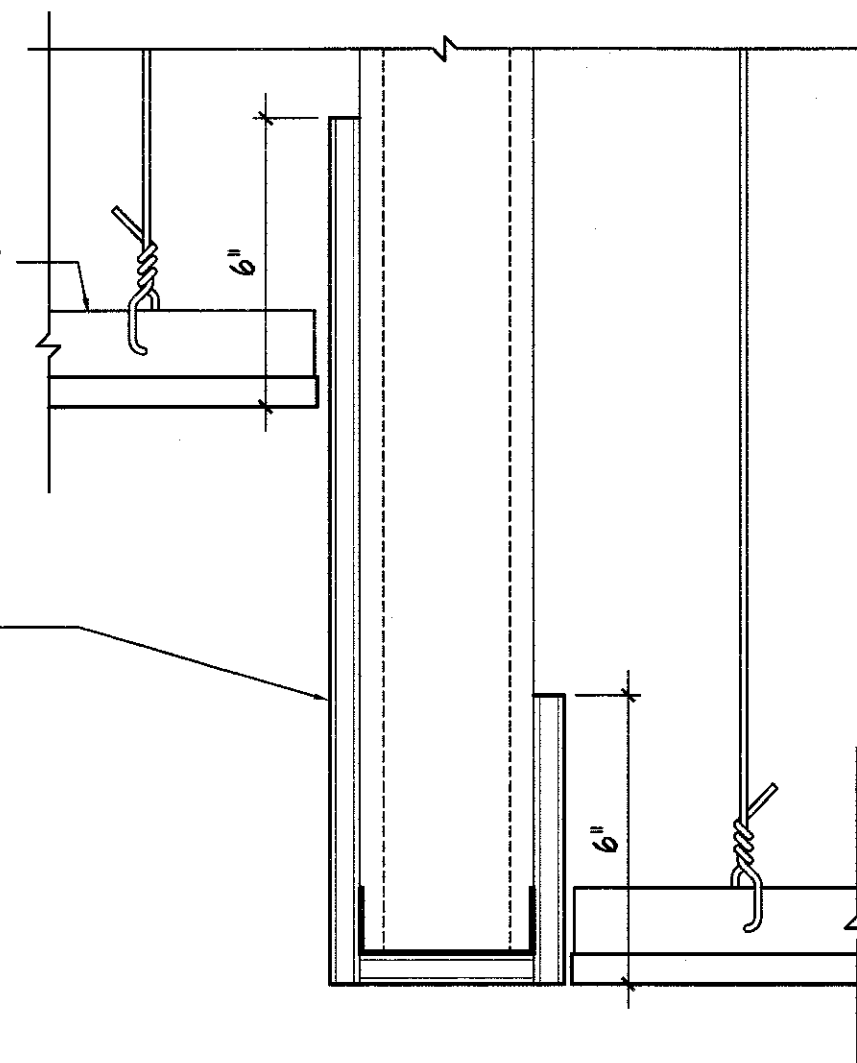
KEY PLAN
NOT TO SCALE



SUSPENDED CEILING SYSTEM
- TYPICAL



5/8" GYPSUM BOARD OVER
3 5/8" METAL STUDS AT 16"
ON CENTER WITH METAL
STUD KICKERS TO ROOF
DECK AT 48" ON CENTER
STAGGERED - PAINT ?



CEILING DETAIL
3" = 1'-0"

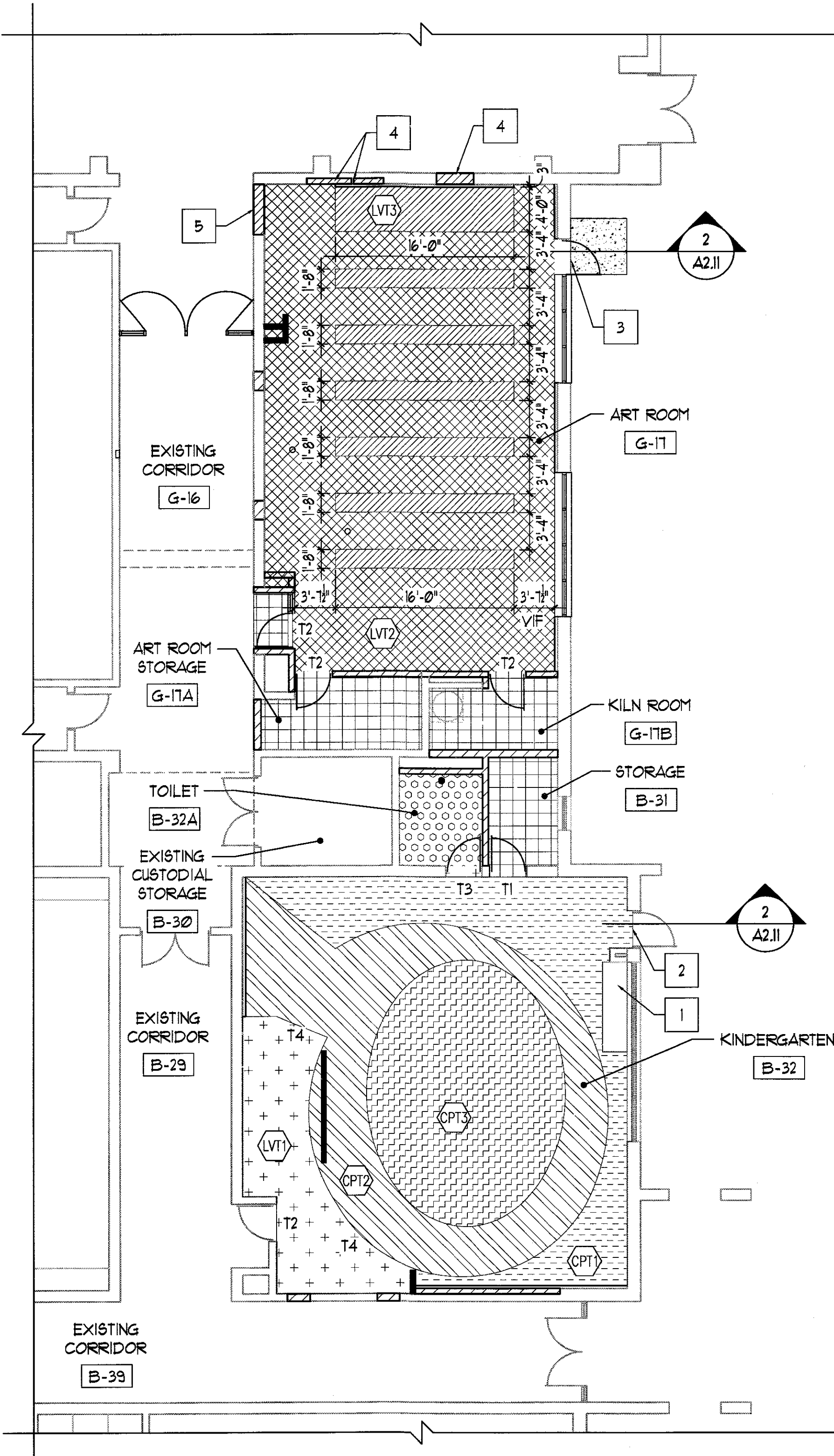
1 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



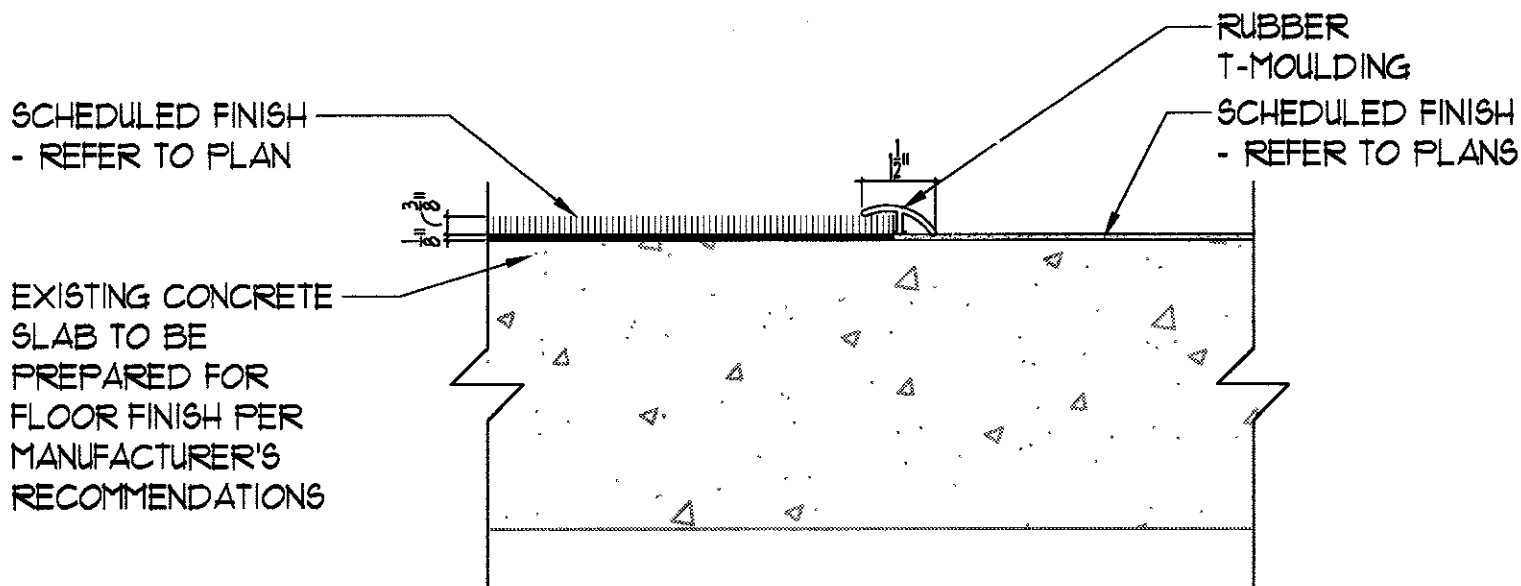
FINISH PLAN REFERENCED NOTES

- EXISTING MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
- REMOVE AND INSTALL NEW DOOR THRESHOLD - REFER TO 2/A2.II.
- NEW DOOR THRESHOLD - REFER TO DETAIL.
- PAINT NEW EXPOSED CMU ON GYM SIDE TO MATCH EXISTING ADJACENT.
- PAINT NEW EXPOSED CMU ON EXISTING CORRIDOR, G-16 TO MATCH ADJACENT.

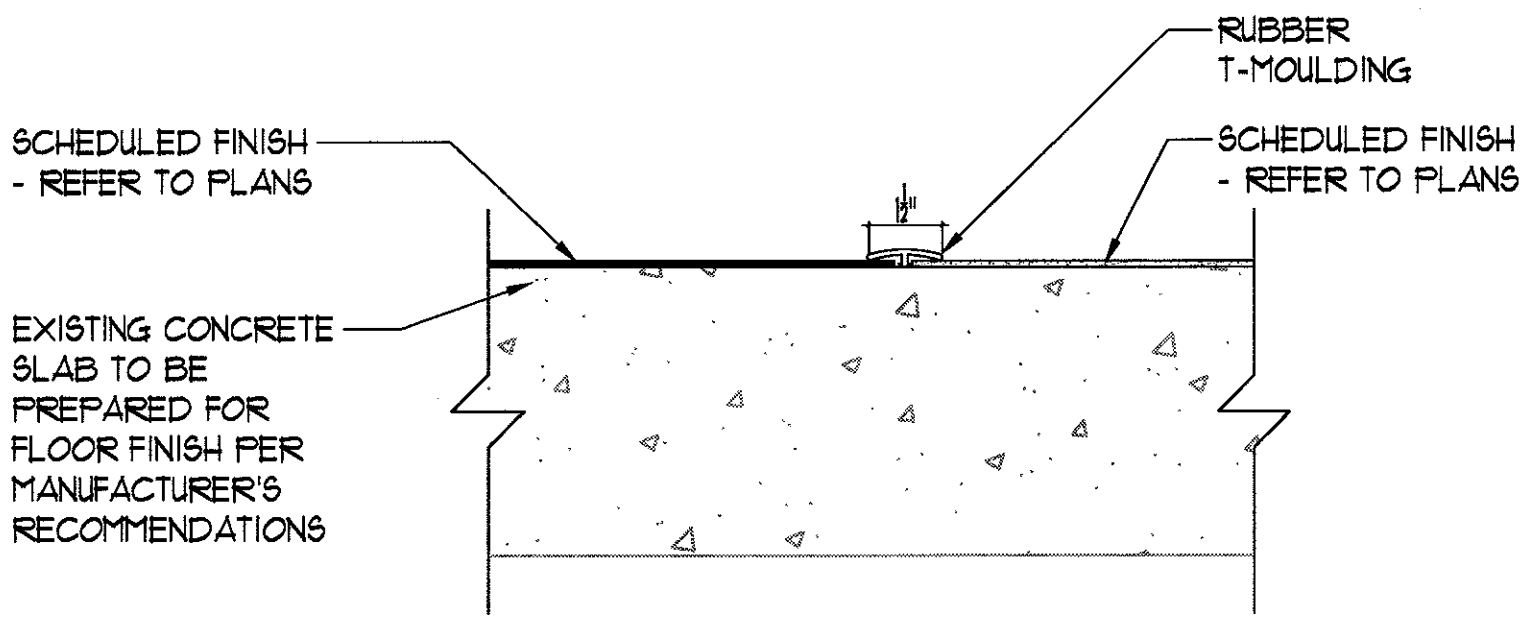
NOTE:
CONTRACTOR TO VERIFY CONDITIONS AT EACH TRANSITION AND SIZE REDUCERS
ACCORDINGLY.



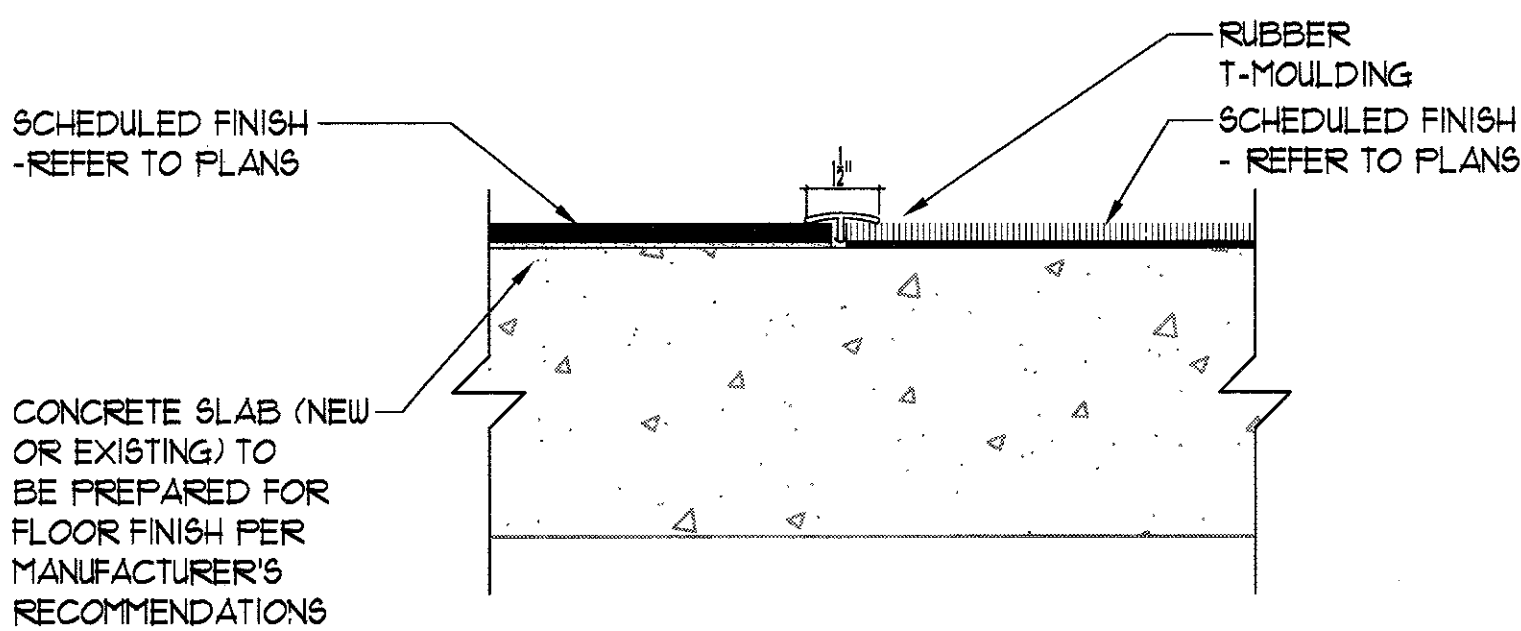
1 PARTIAL FIRST FLOOR FINISH PLAN
1/8" = 1'-0"



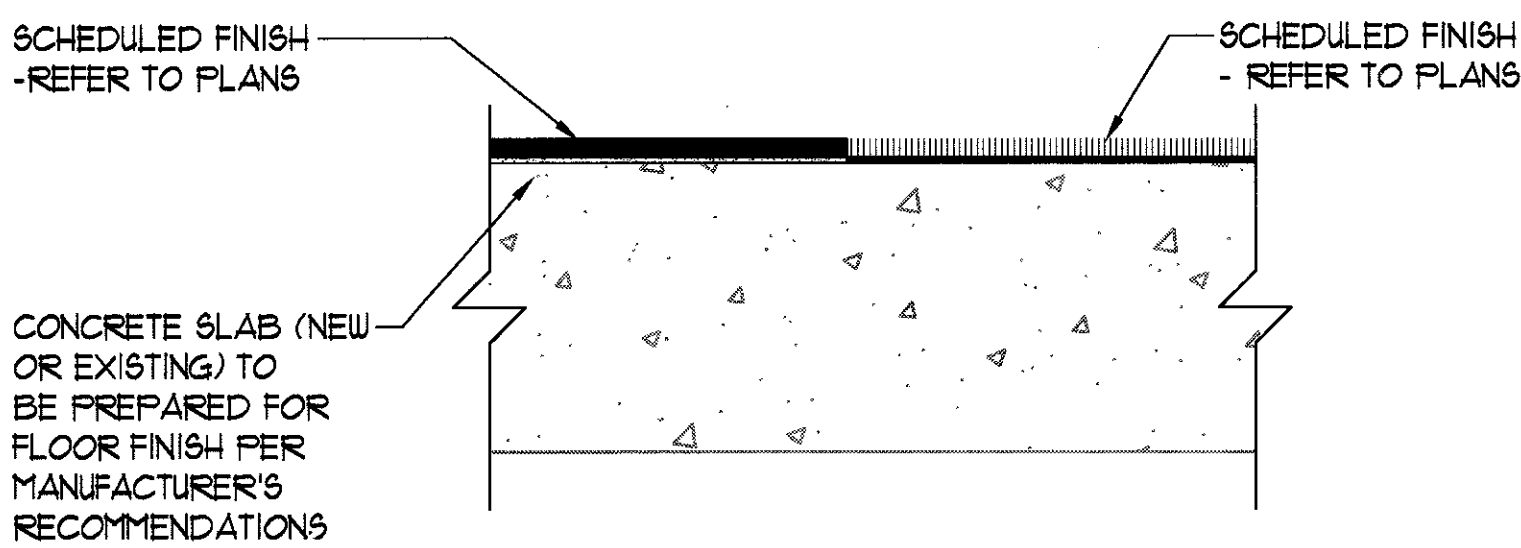
2 T1 - TRANSITION DETAIL
3" = 1'-0"



3 T2 - TRANSITION DETAIL
3" = 1'-0"



4 T3 - TRANSITION DETAIL
3" = 1'-0"



5 T4 - TRANSITION DETAIL
3" = 1'-0"

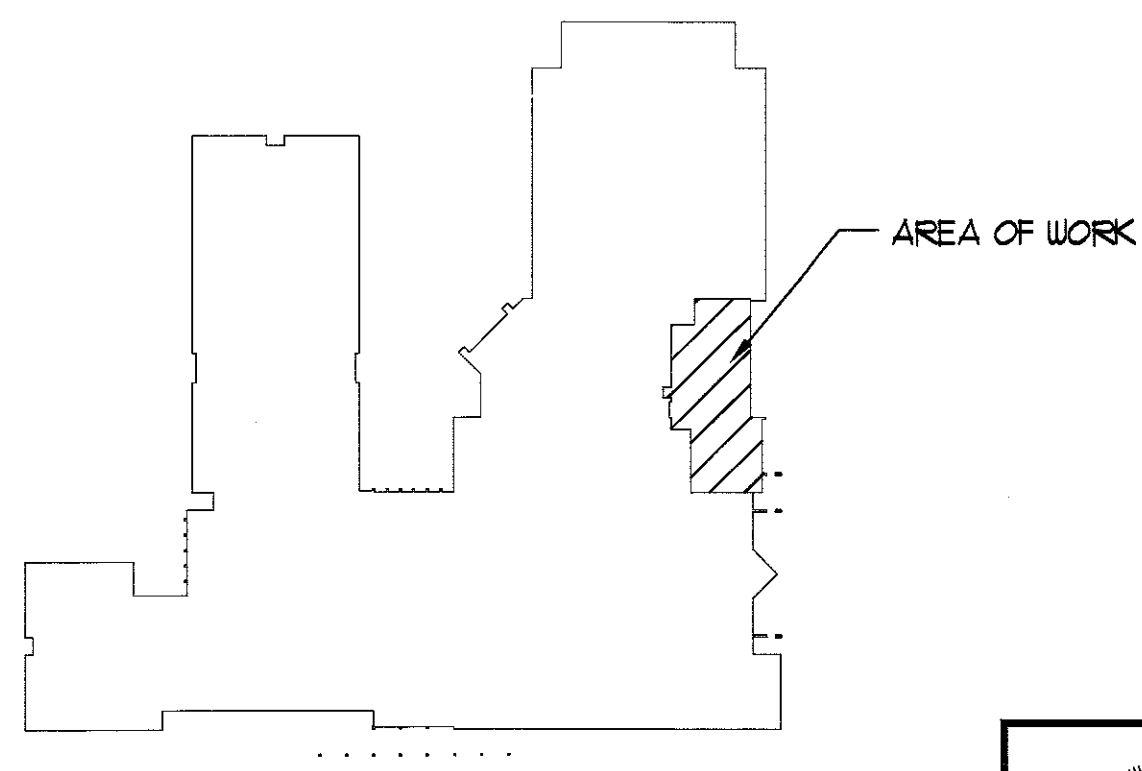
FINISH PLAN GENERAL NOTES

- REFER TO SHEET A9.50 FOR ROOM FINISH SCHEDULES AND ADDITIONAL NOTES/SCOPE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL PRODUCT INFORMATION.
- MAKE EXISTING FLOOR SLAB SMOOTH AND FLAT TO FLOOR FINISH MANUFACTURER'S TOLERANCE WITH MATERIAL SUITABLE TO FLOOR FINISH MANUFACTURER PRIOR TO INSTALLATION.
- ALL TRANSITIONS BETWEEN DISSIMILAR FLOORING MATERIALS ARE TO RECEIVE A NEW TRANSITION STRIP - REFER TO DETAILS 2/A9.10 - 5/A9.10.
- PROVIDE WALL BASE AT ALL LOCATIONS OF NEW FLOORING AND/OR NEW WALL CONSTRUCTION - UNLESS NOTED OTHERWISE.
- AREAS OF RESILIENT FLOORING ARE TO RECEIVE RUBBER COVED BASE AND CARPETED AREAS ARE TO RECEIVE RUBBER STRAIGHT BASE.
- AT AREAS WHERE PATCHING OF WALL BASE IS REQUIRED - FINISH TO MATCH ADJACENT IN MATERIAL, COLOR, HEIGHT, FINISH AND PROFILE.
- DO NOT PAINT PRE-FINISHED ITEMS, FACE BRICK, AND TILE FINISHES.
- VERIFY CARPET TILE PATTERNS WITH ARCHITECT PRIOR TO BEGINNING WORK.
- AT ALL DOORS AND FRAMES INSTALLED IN EXISTING OPENINGS - PATCH AND PAINT EXISTING WALL, JAMB AND HEAD SURFACES AFTER FRAME INSTALLATION - DO NOT PAINT PRE-FINISHED ITEMS - MATCH EXISTING COLOR, UNLESS NOTED OTHERWISE.
- AT ALL AREAS WHERE MECHANICAL EQUIPMENT HAS BEEN REMOVED - PATCH AND PAINT EXISTING EXPOSED CONSTRUCTION - MATCH ADJACENT EXISTING CONSTRUCTION IN MATERIAL, TEXTURE, SIZE, FINISH AND COLOR.

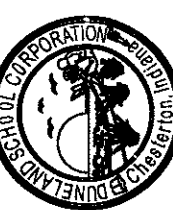
FINISH LEGEND

- LVT1 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
- LVT2 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
- LVT3 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
- CARPET TILE 1 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
AE 311 IRON
- CARPET TILE 2 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
PETER
- CARPET TILE 3 - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
AE 317 BEAR
- 12"X12" VINYL COMPOSITE TILE (ONE COLOR) - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
OWNER SUPPLYING
- PORCELAIN TILE - REFER TO SPECIFICATIONS FOR PATTERN AND COLOR
FABRIQUE "CREME LINEN" P636
POLY BLEND NON-SANDED GROUT #386 OYSTER GREY
CARPET TAG - REFER TO SPECIFICATIONS
- INDICATES NEW / EXISTING FLOOR DRAIN* - TOP OF FLOOR DRAIN TO BE FLUSH WITH FLOOR FINISH
- INDICATES NEW / EXISTING CLEAN OUT* - TOP OF CLEAN OUT TO BE FLUSH WITH FLOOR FINISH

*ITEM INDICATED FOR REFERENCE ONLY - CONTRACTOR TO REFER TO PLUMBING DRAWINGS AND COORDINATE ALL LOCATIONS WHERE FLOOR FINISH AND FIXTURE HEIGHT WILL BE AFFECTED BY FLOOR-MOUNTED FIXTURES



KEY PLAN
NOT TO SCALE



ROOM FINISH SCHEDULE													
ROOM NO	ROOM NAME	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING	FLOORING	ROOM SIGN TYPE	REFERENCED NOTES
		WALL FINISH	WALL BASE	WALL FINISH	WALL BASE	WALL FINISH	WALL BASE	WALL FINISH	WALL BASE				
FIRST FLOOR													
G-16	EXISTING CORRIDOR	PT-1	ETR	PT-1	-	PT-1	ETR	PT-1	ETR	SAT-1/ GYP	ETR/VCT-2	-	2, 9, 10
G-17	ART ROOM	PT-1/ PT-6 PRT-5	RBB-1/ RBB-2	PT-4/ PT-5	RBB-1/RBB-2	PT-1/ PT-5	RBB-1/ RBB-2	PT-1/ PRT-1	RBB-1	EXP	LVT-2, 3	-	1, 2, 3, 4, 5, 6, 8
G-17A	ART ROOM STORAGE	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	SAT-1	VCT-1	-	1, 2, 4, 6
G-17B	KILN ROOM	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	SAT-1	VCT-1	-	1, 2, 4, 6
B-31	STORAGE	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	PT-1	RBB-1	SAT-1	VCT-1	-	1, 2, 4, 6
B-32	KINDERGARTEN	PT-1/ PT-2 EX. BRICK	RBB-1	PT-1	RBB-1	PT-1	RBB-1	PT-1/ PT-2 PRT-1	RBB-1	SAT-1/ PT-3	LVT-1, CPT-1, 2, 3	-	1, 2, 4, 5, 6, 7, 8
B-32A	TOILET	PT-1	PRT-1	PRT-1	PRT-1	PT-1	PRT-1	PT-1	PRT-1	SAT-1	PRT-1	-	1, 2, 6

SW7653 SILVERPOINT
SW7019 GARNET GREY
CHESTERTON CORDOVAN
CUSTOM

FINISH LEGEND	
PT-1	PAINT COLOR 1 (FIELD COLOR)
PT-2	PAINT COLOR 2 (KINDERGARTEN ROOM ACCENT COLOR)
PT-3	PAINT COLOR 3 (KINDERGARTEN ACCENT SAT CEILING)
PT-4	PAINT COLOR 4 (ART ROOM EAST WALL AND CEILING)
PT-5	PAINT COLOR 5 (ART ROOM TECHNOLOGY WALL ACCENT COLOR)
PT-6	PAINT COLOR 6 (ART ROOM NORTH GYPSUM WALL AND SOFFIT COLOR)
PT-7	PAINT COLOR 7 (CORRIDOR - MATCH EXISTING ADJACENT CONSTRUCTION)
PT-8	PAINT COLOR 8 (CORRIDOR SOFFIT - BURGUNDY)
PT-9	PAINT COLOR 9 (DOOR FRAMES)
PT-10	PAINT COLOR 10 (TO BE SELECTED BY ARCHITECT)
FRT-1	PORCELAIN TILE
EXP	EXPOSED PRE-CAST CONCRETE DECK - PAINT (PT-4)
ETR	EXISTING TO REMAIN
GYP	GYPSUM
LVT-1	LUXURY VINYL TILE COLOR 1 (COLOR MATCH CPT-1) STUDIO SET A00705 TITANIUM
LVT-2	LUXURY VINYL TILE COLOR 2 " " " " " "
LVT-3	LUXURY VINYL TILE COLOR 3 (COLOR MATCH PT-5) " " A00712 MARBLED
CPT-1	CARPET COLOR OR PATTERN 1 INTERFACE AE 311 IRON
CPT-2	CARPET COLOR OR PATTERN 2 " " DEWTER
CPT-3	CARPET COLOR OR PATTERN 3 " " AE 317 BERRY
RBB-1	RUBBER BASE COLOR 1 RUPPE 114 LUNAR DUST COUS
RBB-2	RUBBER BASE COLOR 2 (COLOR MATCH PT-5) SCHNEIDER 75 LEMON
SAT-1	SUSPENDED ACOUSTICAL TILE CEILING SYSTEM TYPE 1
VCT-1	VINYL COMPOSITE TILE COLOR 1
VCT-2	VINYL COMPOSITE TILE COLOR 2 (MATCH EXISTING ADJACENT)

ROOM FINISH GENERAL NOTES

- ALL INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REFER TO FLOOR PLANS AND WALL TYPES FOR WALL CONSTRUCTION.
- REFER TO REFLECTED CEILING PLANS FOR CEILING CONSTRUCTION AND SOFFIT LOCATIONS.
- REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
- ALL FINISHES, FURNITURE, AND EQUIPMENT ARE TO BE PROTECTED DURING WORK.
- ALL EXPOSED NEW CONSTRUCTION (LISTED IN THE SCHEDULE OR NOT) SHALL BE PAINTED, EXCEPT FOR PREFINISHED MATERIALS, UNLESS NOTED OTHERWISE.
- ALL EXISTING CONSTRUCTION ON SURFACES LISTED IN SCHEDULE, EXCEPT FOR PREFINISHED ITEMS OR FOR SURFACES LISTED AS EXISTING TO REMAIN, SHALL BE PAINTED UNLESS NOTED OTHERWISE.
- ALL EXISTING PAINTED SURFACES IMMEDIATELY ADJACENT TO AREAS AFFECTED BY CONSTRUCTION SHALL BE PAINTED AS NEEDED TO BLEND NEW CONSTRUCTION INTO EXISTING AND TO TOUCH-UP DAMAGED PAINT SURFACES ON EXISTING SURFACES.
- ALL EXPOSED PIPING, DUCTWORK ELECTRICAL CONDUIT, SPRINKLER PIPING, AND ALL OTHER EXPOSED MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS TO BE PAINTED UNLESS NOTED OTHERWISE.
- ALL EXPOSED STRUCTURAL SURFACES INCLUDING, BUT NOT LIMITED TO, FRAMING, DECKING, LINTELS ETC. SHALL BE PAINTED UNLESS NOTED OTHERWISE.
- ALL NEW HOLLOW METAL DOORS AND FRAMES (ALL EXPOSED FACES) SHALL BE PAINTED UNLESS NOTED OTHERWISE.
- ALL EXISTING HOLLOW METAL DOORS AND FRAMES (ALL EXPOSED FACES) IN WALLS LISTED IN SCHEDULE SHALL BE PAINTED, EXCEPT FOR LOCATIONS INDICATED TO BE EXISTING TO REMAIN.
- AT ALL DOORS AND FRAMES INSTALLED IN EXISTING WALL CONSTRUCTION - PATCH AND PAINT EXISTING WALL, JAMB AND HEAD SURFACES AFTER FRAME INSTALLATION.
- AT ALL LOCATIONS OF EXISTING EQUIPMENT, CASEWORK, OR FURNISHINGS TO BE REMOVED, PAINT THE EXISTING WALL CONSTRUCTION EXPOSED BY REMOVAL OF THESE ITEMS TO MATCH EXISTING ADJACENT WALL FINISHES.
- DO NOT PAINT PREFINISHED ITEMS (FACE BRICK, FIRE ALARM DEVICES, TILE FINISHES, ETC.).
- ALL FLOORING SHALL BE STABLE, FIRM AND SLIP-RESISTANT AND SHALL COMPLY WITH THE STATE OF INDIANA ACCESSIBILITY CODE.
- ALL FLOOR DRAINS, CLEANOUT COVERS AND ELECTRICAL FLOOR DEVICES ARE TO BE FLUSH WITH FINISHED FLOORING. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- TRANSITIONS IN FLOOR FINISHES, COLORS, OR PATTERNS ARE TO OCCUR AT THE CENTER OF DOORS UNLESS NOTED OTHERWISE.
- ALL TRANSITIONS BETWEEN FLOORING MATERIALS TYPES ARE TO RECEIVE A TRANSITION STRIP.
- FLOOR FINISHES INDICATED IN SCHEDULE SHALL CONTINUE UNDER ALL FIXTURES, EQUIPMENT, AND CASEWORK UNLESS NOTED OTHERWISE.
- PROVIDE WALL BASE AT ALL LOCATIONS OF NEW FLOOR FINISH OR NEW WALL CONSTRUCTION - UNLESS NOTED OTHERWISE.

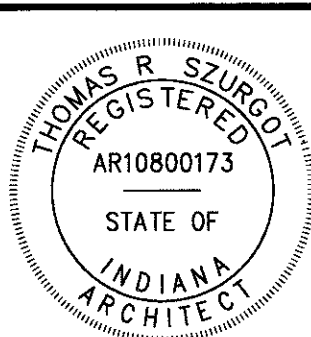
ROOM FINISH REFERENCED NOTES

- REPAIR AND PAINT NEWLY EXPOSED AREAS OF WALL WHERE EXISTING SHELVING/CASEWORK, FIXTURES, TILES WERE REMOVED.
- AT WALL PATCHING - MASONRY IS TO BE TOOTHED-IN IN WHOLE UNITS - PAINT ALL NEW AND EXISTING MASONRY.
- PAINT ALL EXPOSED DECK, STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION UNLESS NOTED OTHERWISE.
- PROVIDE RUBBER BASE AT NEW AND EXISTING WALL CONSTRUCTION (ENTIRE ROOM).
- PROVIDE RUBBER BASE AT CASEWORK TOE KICK AND EXPOSED END PANELS.
- IDENTIFICATION SIGNAGE WITH BRAILLE DESIGNATION ON WALLS ADJACENT TO LATCH SIDE OF ALL DOORS - PROVIDED BY OWNER. MOUNT SIGNS AT 60" ABOVE FINISHED FLOOR TO CENTERLINE OF SIGN AND 2" OFF DOOR FRAME ON WALL.
- DO NOT PAINT EXISTING FACE BRICK (EX. BRICK).
- PROVIDE BACKSPLASH AT CASEWORK LOCATIONS ONLY.
- PROVIDE VCT AND RUBBER WALL BASE TO MATCH EXISTING ADJACENT AT AREA INDICATED ON FLOOR FINISH PLAN, SHEET A9.10.
- PAINT ALL GYPSUM SOFFITS - PT-8 AT EXISTING CORRIDOR G-16.

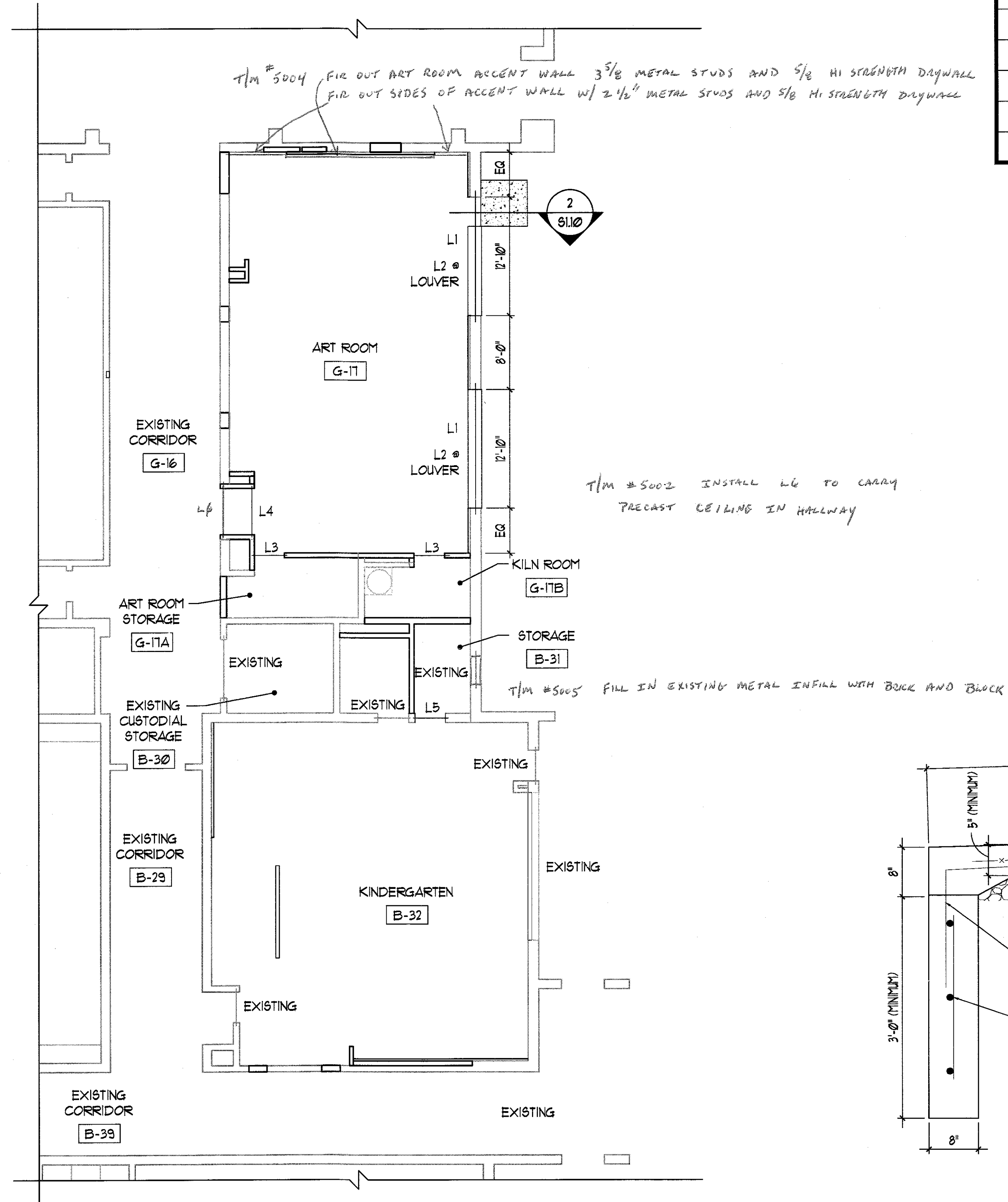
DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



PROJECT NUMBER	11-005
PROJECT MANAGER	THC
DRAWN BY	FW
ISSUED FOR BID AND PERMIT	01/24/2018
ROOM FINISH SCHEDULE AND NOTES	



A9.50



FRAMING PLAN GENERAL NOTES

1. L"x" INDICATES LINTEL IN WALL BELOW UNLESS OTHERWISE NOTED. SEE LINTEL SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS.

LINTEL SCHEDULE			
MARK	SIZE	END BEARING	SHAPE
L1	W8X21 + 5/8\" PLATE	8"	I
L2	2-L3 1/2 X 3 1/2 X 3/8\" SLV	8"	JL L
L3	2-L3 1/2 X 2 1/2 X 3/8\" LLV	8"	JL
L4	2-L3 1/2 X 2 1/2 X 3/8\" LLV	8"	JL
L5	3-L3 1/2 X 3 1/2 X 3/8\"	8"	JL L
L6	1 - 8\" WF 15#	8"	I

LINTEL SCHEDULE NOTES

LINTEL NOTES
 1. LOOSE LINTELS FOR NON-LOAD BEARING WALLS SHALL HAVE A MINIMUM END BEARING OF 8" AND SHALL BE THE FOLLOWING SIZES, UNLESS NOTED OTHERWISE (LINTEL SIZES GIVEN ARE FOR NEW MASONRY CONSTRUCTION ONLY; SPANS NOTED ARE CLEAR SPANS):

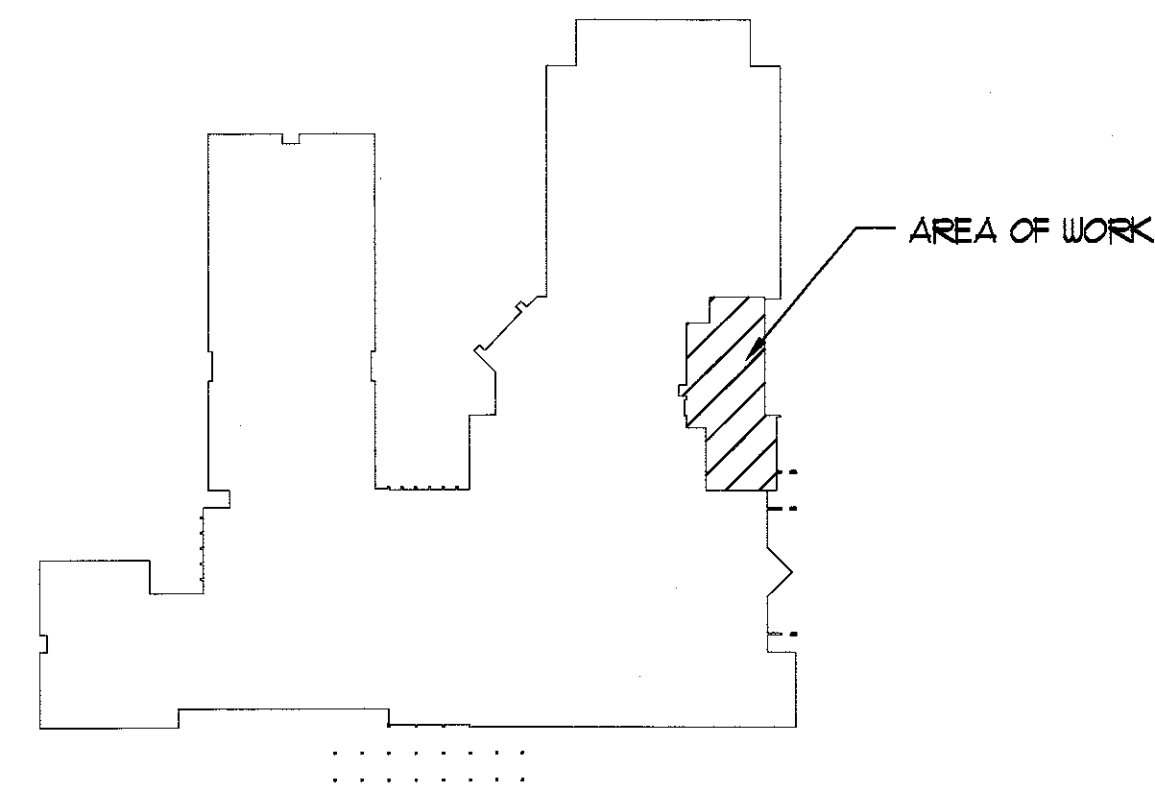
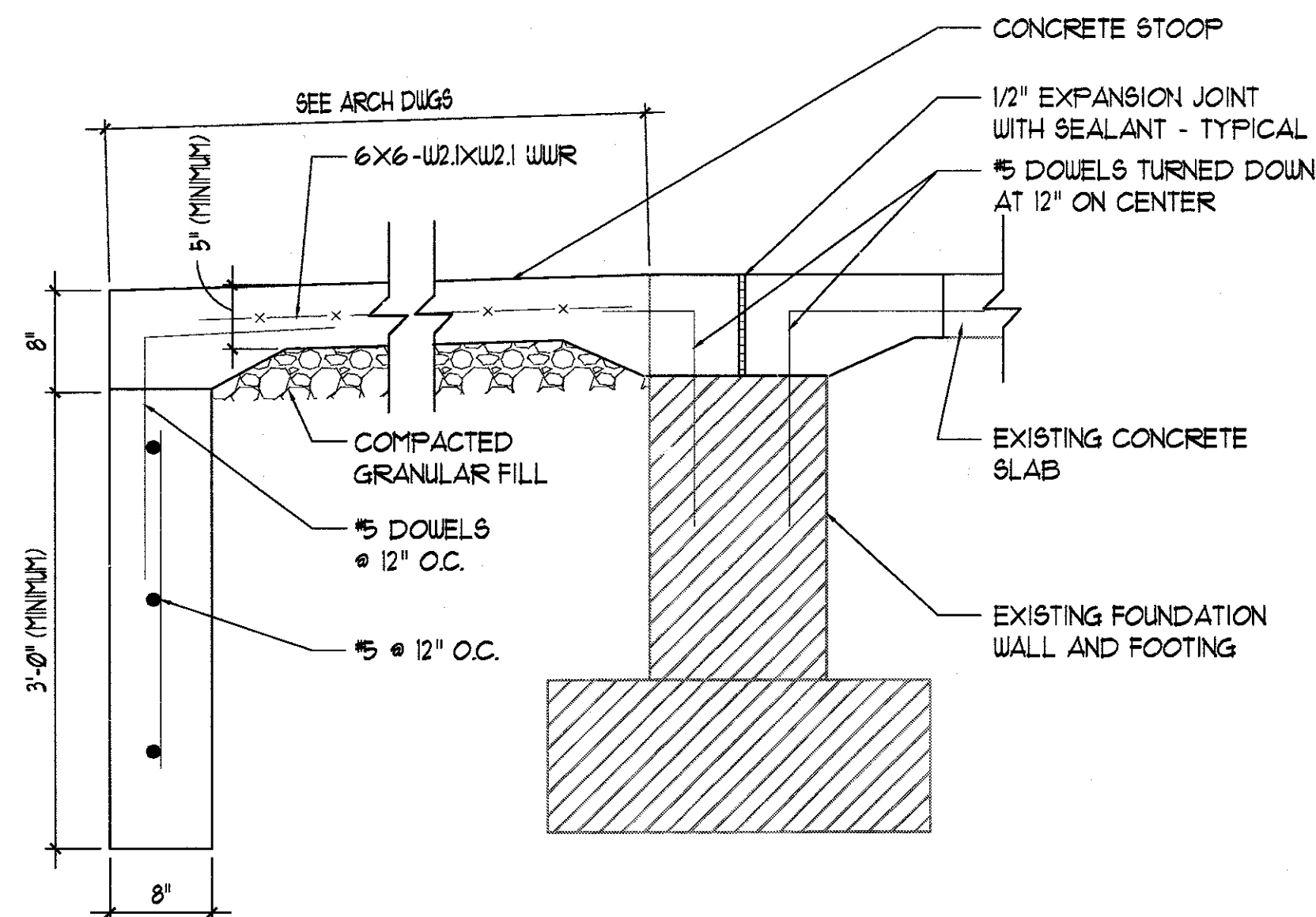
6" WALLS:
 UP TO 4'-0" SPAN 2-L3 1/2 X 2 1/2 X 3/8\" LLV
 4'-0" TO 6'-4" SPAN 2-L3 1/2 X 2 1/2 X 3/8\" LLV

4", 8", & 12" WALLS (1-L FOR EACH 4" OF WALL THICKNESS):
 UP TO 4'-0" SPAN L3 1/2 X 3 1/2 X 3/8\"
 OVER 4'-0" TO 6'-0" L5 X 3 1/2 X 3/8\" LLV
 OVER 6'-0" TO 8'-0" L6 X 3 1/2 X 3/8\" LLV

10" WALLS:
 UP TO 4'-0" SPAN (2) L5 X 3 1/2 X 3/8\" SLV
 OVER 4'-0" TO 6'-0" (2) L5 X 5 X 3/8\"
 OVER 6'-0" TO 8'-0" (2) L5 X 5 X 3/8\"

ALL WALLS OVER 8'-0" TO 12'-0" W8X21 + 5/8\" PLATE ON BOTTOM (PLATE TO BE 1/2\" LESS THAN WALL WIDTH)

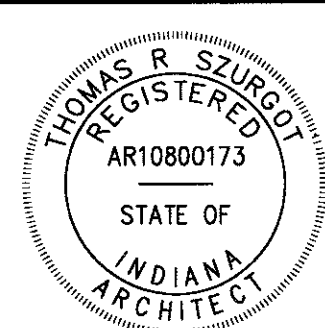
2. PLATES ON LINTELS SHALL BE SHOP WELDED TO MEMBER W/ 1/4 X 2\" FILLET WELDS AT 12\" O.C. STAGGERED.
 3. WELD TOGETHER ALL BACK-TO-BACK ANGLES.
 4. CONTRACTOR SHALL COORDINATE ALL REQUIRED OPENINGS IN NON-LOAD BEARING MASONRY WALLS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.



1 PARTIAL FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"

2 DETAIL
1" = 1'-0"

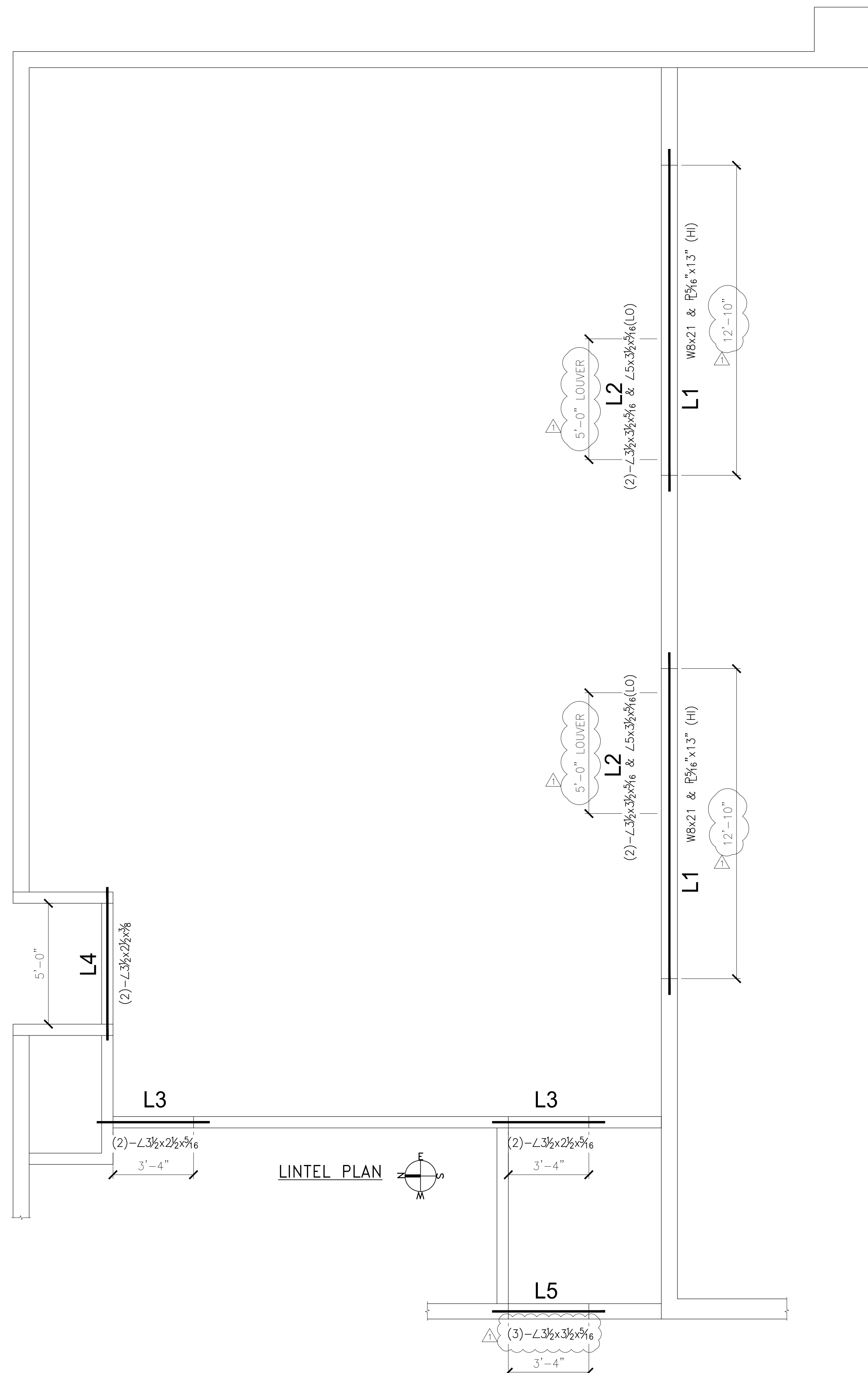
KEY PLAN
NOT TO SCALE



MEP ENGINEER
 PROJECT NUMBER: 171123-0001
 PROJECT NAME: MISC
 DRAWN BY: PAM
 SIGNED FOR BID AND PERMIT: 06/04/2018
 PARTIAL FIRST FLOOR FRAMING PLAN AND DETAIL

DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304

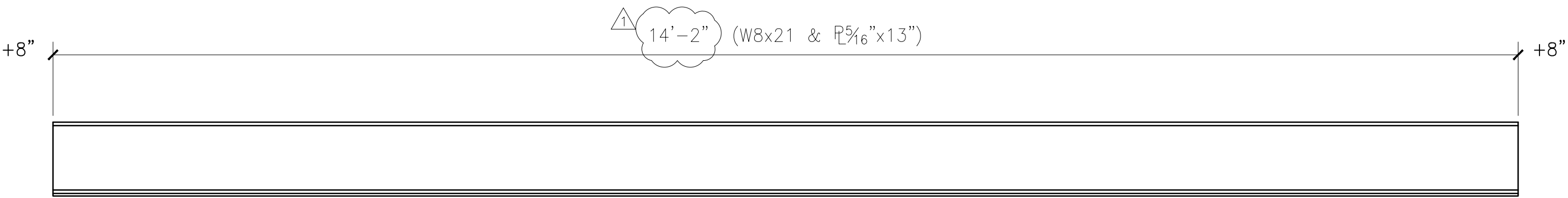
S1.10



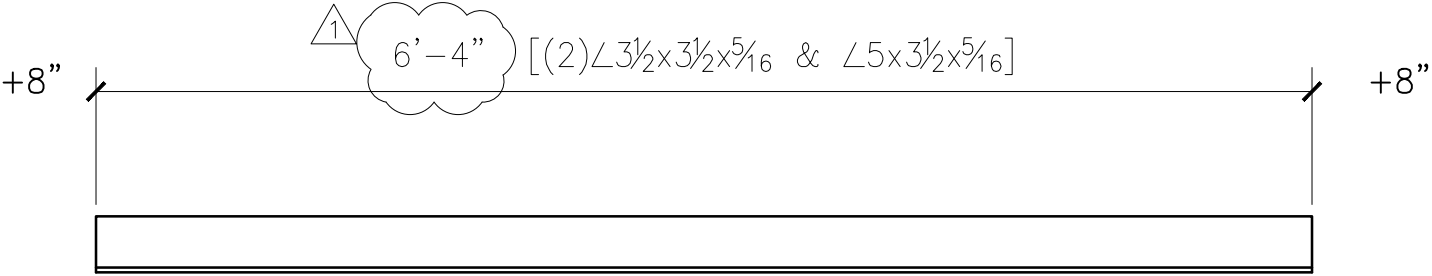
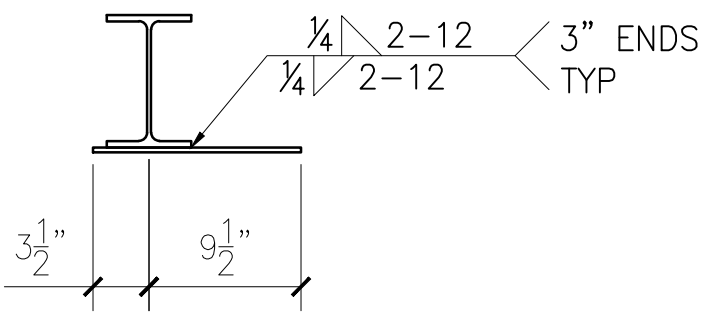
GENERAL NOTES:

- MATERIALS -
BAR, PLATES, ANGLES, CHANNELS- ASTM A-36
BEAMS- ASTM A992
PIPE- ASTM A53 GR. B
TUBE- ASTM A500 GR. B
BOLTS - A325
NUTS- A563 GR. 2H
HARD WASHERS- F436
ANCHOR BOLTS - F1554 GR. A36
2. ALL BOLTS TO BE ¾"Ø (U.N.O.)
3. OPEN HOLES 1½"Ø (U.N.O.)
4. ALL WELDING ELECTRODES SHALL BE E70-XX LOW HYDROGEN
5. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS
D1.1 - LATEST EDITION
6. FINISH: ONE COAT SHOP PRIMER (U.N.O.)

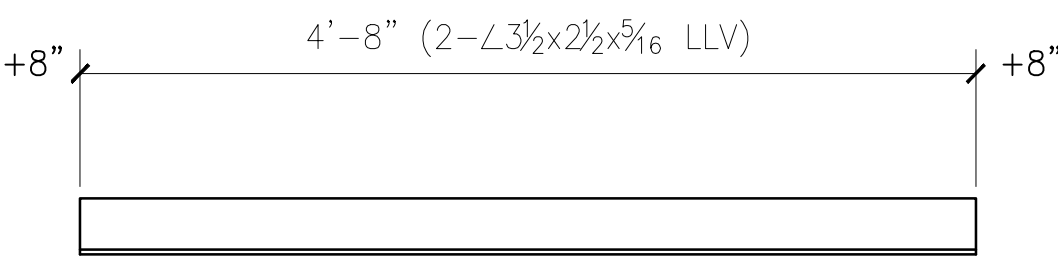
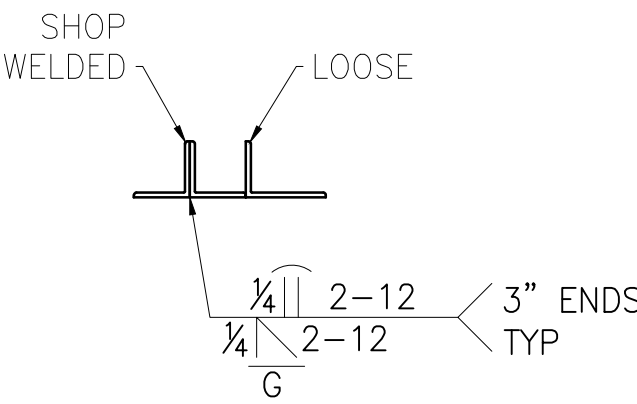
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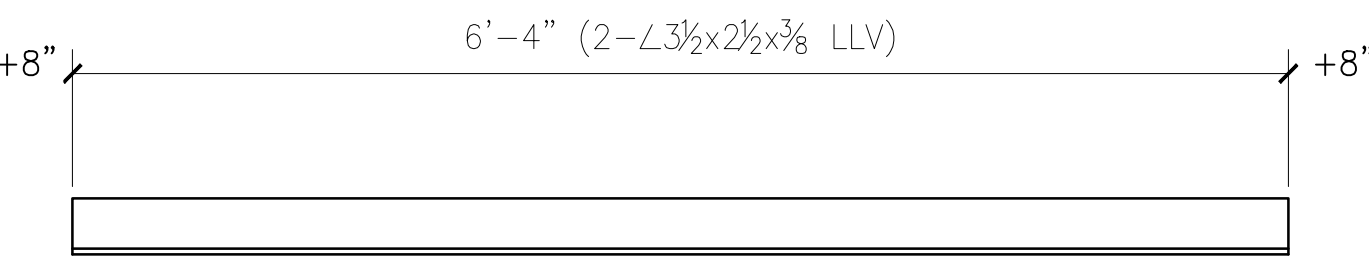
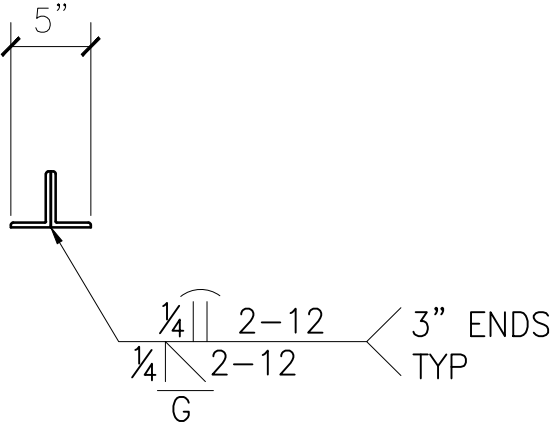
2 - LINTELS - L1



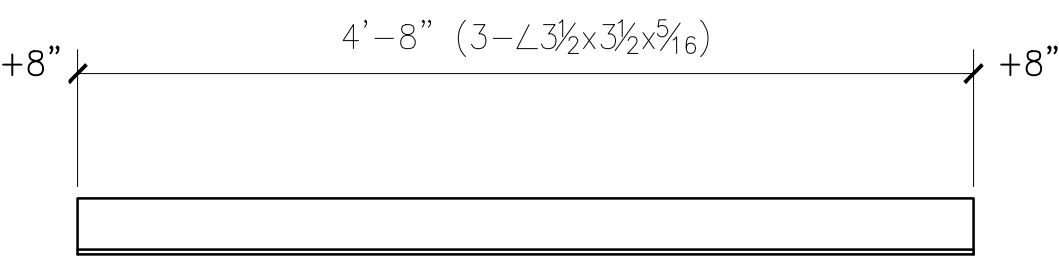
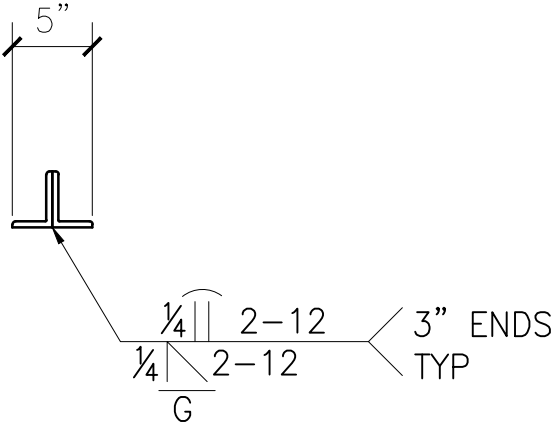
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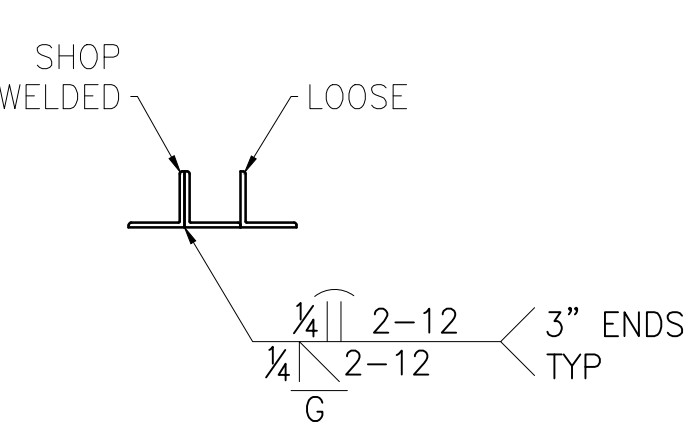
2 - LINTELS - L3



ONE - LINTEL - L4



ONE - LINTEL - L5



GENERAL NOTES:

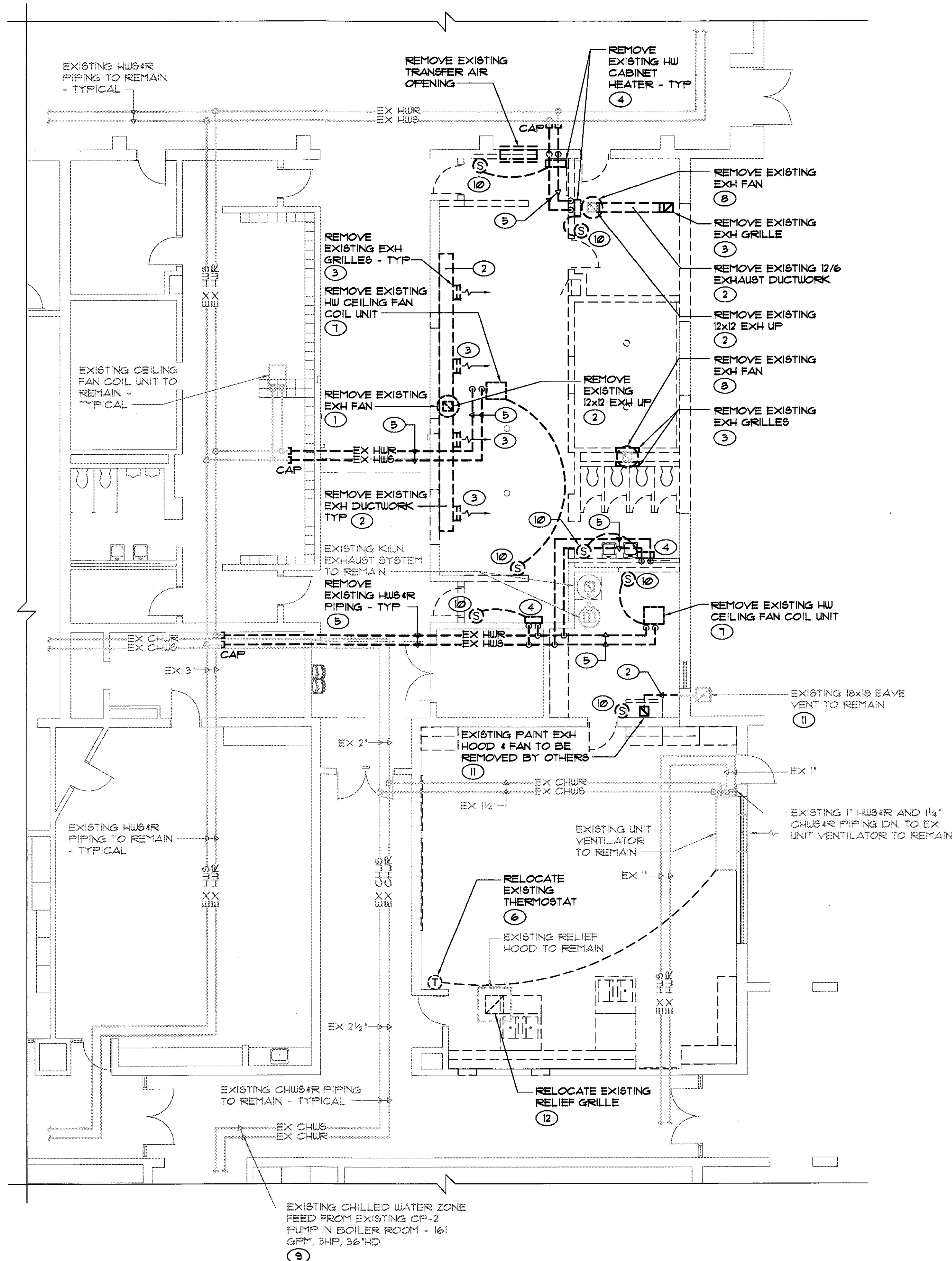
- 1. MATERIALS -
BAR, PLATES, ANGLES, CHANNELS- ASTM A-36
BEAMS- ASTM A992
PIPE- ASTM A53 GR. B
TUBE- ASTM A500 GR. B
BOLTS - A325
NUTS- A563 GR. 2H
HARD WASHERS- F436
ANCHOR BOLTS - F1554 GR. A36
- 2. ALL BOLTS TO BE 3/4"Ø (U.N.O.)
- 3. OPEN HOLES 1 3/16"Ø (U.N.O.)
- 4. ALL WELDING ELECTRODES SHALL BE E70-XX LOW HYDROGEN
- 5. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS
D1.1 - LATEST EDITION
- 6. FINISH: ONE COAT SHOP PRIMER (U.N.O.)

REVISIONS			
INT.	NO.	REMARK'S	DATE:
CEW	1	GENERAL CORRECTIONS	03.19.18

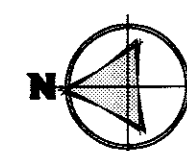
ΩMEGA STEEL

1640 E. MAIN STREET GRIFFITH, IN 46319
CUSTOMER: GARIUP CONSTRUCTION
PROJECT: BAILLY ELEMENTARY
ADDRESS: 800 S. 5th ST. CHESTERTON, IL

Scope Of Work: LINTELS		
DRAWN BY: CEW	DATE: 03.15.18	DRAWING NO:
CHECKED BY:	JOB NO: .	ONE

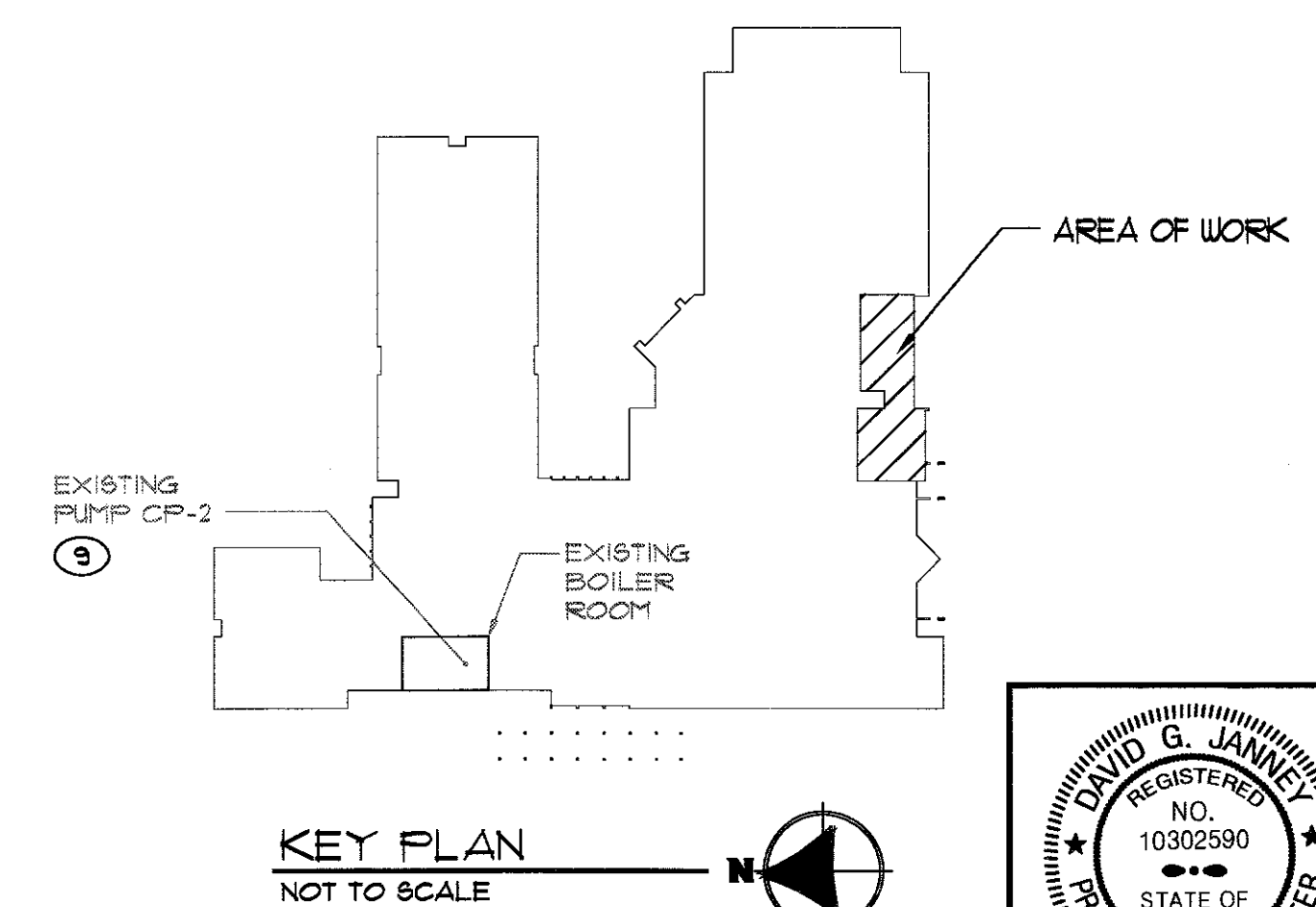


1 PARTIAL FIRST FLOOR MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

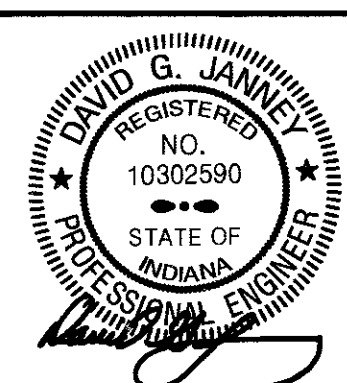


SHEET NOTES

1. REMOVE EXISTING ROOF-MOUNTED EXHAUST FAN AND ASSOCIATED EXHAUST DUCTWORK, EXHAUST GRILLES, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED. REUSE EXISTING ROOF CURB FOR NEW FAN INSTALLATION - PROVIDE NEW CURB ADAPTER IF REQUIRED.
2. REMOVE EXISTING EXHAUST DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING HOT WATER CABINET HEATER AND ASSOCIATED HOT WATER SUPPLY & RETURN PIPING, CONTROLS, VALVES, ETC. COMPLETE AS REQUIRED.
5. REMOVE EXISTING HOT WATER PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED. CAP PIPING AT MAIN COMPLETE AS REQUIRED.
6. REMOVE AND RELOCATE EXISTING THERMOSTAT TO NEW LOCATION INDICATED ON SHEET M10.0 COMPLETE AS REQUIRED.
7. REMOVE EXISTING HOT WATER CEILING FAN COIL UNIT AND ASSOCIATED HOT WATER SUPPLY & RETURN PIPING, CONTROLS, VALVES, ETC. COMPLETE AS REQUIRED.
8. REMOVE EXISTING ROOF-MOUNTED EXHAUST FAN AND ASSOCIATED EXHAUST DUCTWORK, EXHAUST GRILLES, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED. EXISTING ROOF CURB TO REMAIN ABANDONED - PROVIDE NEW INSULATED (MIN R-30 INS.) GALVANIZED SHEETMETAL CURB CAP AND SEAL WEATHERTIGHT.
9. CLEAN, INSPECT, AND FLOW TEST EXISTING CHILLED WATER ZONE PUMP CP-2 IN EXISTING BOILER ROOM. PROVIDE INSPECTION REPORT LISTING ANY DEFICIENCIES AND PUMP FLOW TEST DATA PRIOR TO STARTING WORK.
10. REMOVE ALL EXISTING PNEUMATIC WALL SENSORS AND TERMINATE PNEUMATIC TUBING AT MAIN AIRTIGHT.
11. EXISTING PAINT BOOTH TO BE REMOVED BY OTHERS. EXISTING EXHAUST DUCT AND EXHAUST GRILLE IN EAVE TO BE REUSED.
12. REMOVE AND RELOCATE EXISTING RELIEF GRILLE IN NEW CEILING GRID COMPLETE AS REQUIRED. MODIFY EXISTING DUCTWORK CONNECTION AS REQUIRED.



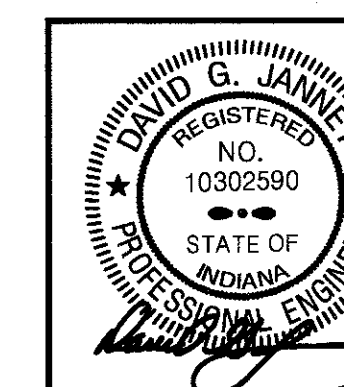
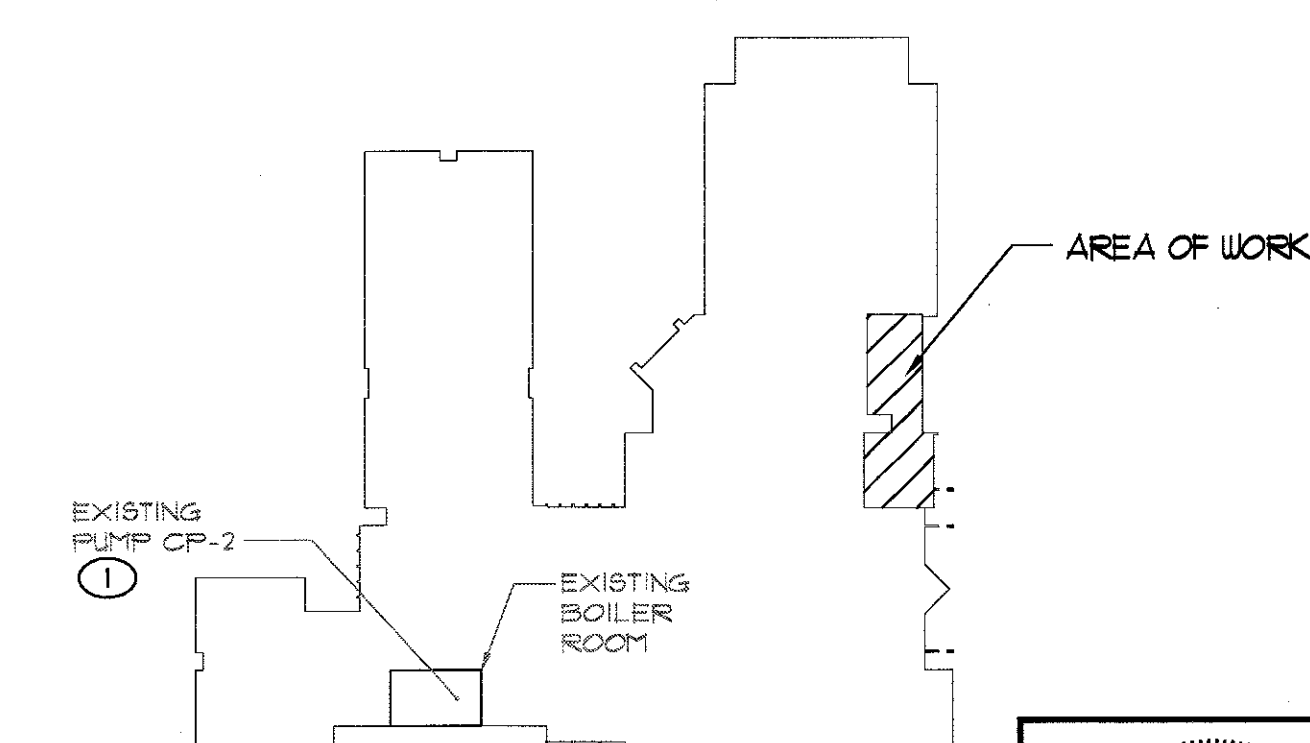
KEY PLAN
NOT TO SCALE



PROJECT NUMBER	T-445
PROJECT NAME	EC
DRAWN BY	CA
DATE FOR BID AND PERMIT	01/14/2018
PARTIAL FIRST FLOOR MECHANICAL DEMOLITION PLAN	



1. ADJUST EXISTING CHILLED WATER ZONE PUMP CP-2 IN BOILER ROOM TO PROVIDE INCREASE IN CHILLED WATER DEMAND FOR RENOVATED AREA.
2. REUSE EXISTING ROOF OPENING AT REMOVED EXHAUST FAN FOR NEW EXHAUST FAN.
3. REUSE EXISTING ROOF OPENING AT REMOVED EXHAUST FAN FOR NEW RELIEF HOOD - EXPAND OPENING AS REQUIRED.
4. REUSE EXISTING EXHAUST GRILLE LOCATED IN EAVE - CONNECT NEW TOILET EXHAUST DUCT TO EXISTING EXHAUST DUCT AT WALL, COMPLETE AS REQUIRED.



DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304

PROJECT NUMBER: 11-0665	REVISIONS:
PROJECT MANAGER: EK	1
DRAWN BY: CH	2
	3
	4
ISSUED FOR BID AND PERMIT: 01/04/2018	5

M1.10



MECHANICAL EQUIPMENT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	FAN MOTOR DATA																CHILLED WATER COOLING EQUIP/COIL DATA										HOT WATER HEATING EQUIP/COIL DATA										ELECTRICAL DATA										UNITS CONTROLLED BY	EQUIPMENT WEIGHT	REMARKS
				CFM	MIN OAI	TSP	ESP	HP	RPM	MBH	SHC	GPM	EDB	EWB	LDB	LUB	EWT	LWT	MAX WPD	CAT	MBH (IN)	MBH (OUT)	GPM	LAT	EWT	LWT	MAX WPD	LOAD				MOCP	VOLT	PHASE	HZ	STARTER BY:																
																												HP	MCA	FLA	AMPS					MC	EC															
UV-1	MAGIC AIRE	MAUVF-4	4-TON HOT WATER HEATING/CHILLED WATER COOLING UNIT VENTILATOR (6Z VAV)	1250	325	-	0.1	1/2	-	35.6	21.4	1	802	66.1	58.6	56.3	45	55	13	5.3	415	-	5.1	84.4	180	160	5	-	5.9	-	-	15	120	1	60	X	-	T-STAT	590	NOTE 1.												
RHP-1	AIRTEX	HEF-2	HOT WATER RADIANT HEATING CEILING PANEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	0.5	-	180	160	5	-	-	-	-	-	-	-	-	-	-	X	-	T-STAT	-	NOTE 2.												
GEF-1	TWIN CITY	DCRD-160BE	ROOF-MOUNTED GENERAL EXHAUST FAN	855	-	0.5	-	1/4	855	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	-	120	1	60	-	X	WALL SWITCH	82	NOTE 3.													
TEF-1	TWIN CITY	T-150	CEILING CABINET TOILET EXHAUST FAN	120	-	0.5	-	1/6	698	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	WALL SWITCH	23	NOTE 4.													
NOTE 1: PROVIDE WITH: <ul style="list-style-type: none">• INTEGRATED ENTHALPY ECONOMIZER• WALL SLEEVE AND LOUVER• DISCONNECT SWITCH• 6" FALSEBACK• FILLER PANEL FROM BACK OF UNIT TO WALL• 13"W. UTILITY SIDE CABINET• TERMINAL STRIPS FOR DDC READY SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.				NOTE 2: PROVIDE WITH: <ul style="list-style-type: none">• MOUNTING HARDWARE• BATT INSULATION SEE PLANS FOR RADIANT PANEL SIZE AND LENGTH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.				NOTE 3: PROVIDE WITH: <ul style="list-style-type: none">• DISCONNECT SWITCH• ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER• MOTORIZED DAMPER• BIRD SCREEN• ROOF CURB SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.				NOTE 4: PROVIDE WITH: <ul style="list-style-type: none">• BUILT-IN BACKDRAFT DAMPER• INTEGRAL METAL GRILLE• VIBRATION ISOLATION HANGERS SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.																																								

GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE HVAC CODES.
- B. LAYOUT IS DIAGRAMATIC AND CONTRACTOR SHALL INSTALL DUCTWORK, PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- C. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.
- D. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.
- E. SOME CEILING SPACES ARE RETURN AIR PLENUMS AS INDICATED ON PLANS. EXAMINE PLENUM BEFORE CEILING IS INSTALLED (OR REPLACED) AND COORDINATE THE SEALING OF OPENINGS AROUND PIPING, DUCTWORK, CONDUIT, ETC., AND OPENINGS TO OUT-OF-DOORS AND ADJACENT SPACES. COORDINATE THE INSTALLATION OF PARTITIONS/DIVIDERS WITHIN CEILING SPACE AS REQUIRED TO CONFINE RETURN PLENUM TO AREAS INDICATED.
- F. COORDINATE EXACT LOCATION OF CEILING REGISTERS, GRILLES AND DIFFUSERS WITH LIGHTING LAYOUT, SPRINKLER HEADS, AND CEILING GRID. SEE ARCHITECTURAL REFLECTED CEILING PLAN. VERIFY EXACT LOCATION IN FIELD PRIOR TO INSTALLATION. VERIFY CEILING STYLES AND TYPES BEFORE ORDERING REGISTERS, GRILLES AND DIFFUSERS. PROVIDE APPROPRIATE FRAME STYLES AS REQUIRED TO MATCH CEILING STYLE AND TYPES. SET ADJUSTABLE BLADES AS REQUIRED FOR OPTIMUM AIR PATTERN AND TO PREVENT DRAFTS. THE MINIMUM DISTANCE BETWEEN SUPPLY DIFFUSERS/REGISTERS AND SMOKE OR HEAT DETECTORS IS TO BE A MINIMUM OF 3'. COORDINATE WITH FIRE ALARM SYSTEM AS REQUIRED.
- G. ROUTE DUCTWORK AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH OTHER TRADES. ROUTE DUCTWORK BETWEEN AND THROUGH JOIST SPACES AND BETWEEN LIGHT FIXTURES AS REQUIRED. VERIFY CONDITIONS AND DUCTWORK ROUTING IN FIELD PRIOR TO INSTALLATION.
- H. DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- I. PROVIDE MANUAL BALANCING DAMPERS AT EACH LOW PRESSURE EXHAUST DUCTWORK TAKE-OFF INCLUDING TAKEOFFS TO EACH AIR DISTRIBUTION DEVICE. DAMPERS SHALL HAVE LOCKING QUADRANT REGULATORS WITH SPRING LOADED END BEARING. INSTALLATION SHALL BE RATTLE FREE. BE RESPONSIBLE FOR LOCATING BALANCING DEVICES AND COORDINATE LOCATIONS FOR TESTING AND BALANCING.
- J. TRANSFER AIR GRILLES TO CEILING RETURN PLENUM ARE TO BE PROVIDED WITH A 90 DEGREE MITERED ELBOW ACoustically LINED WITH 1/2" THICK DUCT LINER. SEE DETAIL ON PLANS.
- K. VERIFY EXACT THERMOSTAT AND SENSOR LOCATIONS IN FIELD PRIOR TO ROUGH-IN OR INSTALLATION CONTROL WIRING TO BE ROUTED IN CONDUIT.
- L. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY EQUIPMENT, DUCTWORK AND PIPING AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- M. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING MECHANICAL SYSTEMS.
- N. VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- O. VISIT SITE PRIOR TO BIDDING TO FULLY DETERMINE FIELD CONDITIONS AND TO VERIFY EXISTING MECHANICAL SYSTEMS INCLUDING QUANTITIES AND LOCATIONS TO DETERMINE THE FULL EXTENT OF NEW AND DEMOLITION WORK.
- P. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING EQUIPMENT, PIPING, DUCTWORK, EQUIPMENT, ETC. SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW MECHANICAL SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET SCOPE OF NEW WORK.
- Q. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY. BE RESPONSIBLE TO PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REVIEWED AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- R. ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. OTHERWISE, BE RESPONSIBLE FOR ANY AND REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- S. REMOVE EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, DUCTWORK, PIPING, SUPPORTS, HANGERS, ETC. IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, DUCTWORK AND PIPING IN AREAS THAT ARE TO BE RENOVATED.
- T. REMOVED DUCTWORK, PIPING AND CONTROLS ARE TO BE TERMINATED PROPERLY BACK TO EXISTING MAINS. PATCH AND SEAL EXISTING DUCTWORK AIRTIGHT. CAP PIPING WATERTIGHT. PROVIDE ADDITIONAL DUCTWORK, PIPING AND CONTROLS AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS MODIFIED DUE TO REMOVAL OF PORTION OF SYSTEMS. REPAIR DAMAGED DUCTWORK AND PIPING INSULATION DUE TO NEW INSTALLATION WORK.
- U. EXISTING EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND OWNER SHALL DETERMINE IF EQUIPMENT IS TO BE STORED ON SITE AT OWNER SELECTED LOCATION OR IF EQUIPMENT IS TO BE ABANDONED OR REMOVED FROM SITE.
- V. PATCH EXISTING CEILING, FLOOR, WALL, AND ROOF OPENINGS AND SURROUNDING FINISHES RESULTING FROM REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT FINISH WILL MATCH EXISTING IN SURROUNDING AREAS. OPENINGS IN MASONRY WALLS RESULTING FROM REMOVED THERMOSTATS ARE TO BE COVERED WITH A BLANK STAINLESS STEEL COVER PLATE.
- W. PROVIDE AND INSTALL PVC PIPE PLENUM WRAP, TESTED TO UL 84 AND UL 910, FOR ALL EXISTING PVC PIPING IN NEW OR EXISTING RETURN AIR CEILING PLENUMS.
- X. PROVIDE FINISHING OF EXISTING CEILING, FLOOR, AND WALL SURFACES AT LOCATIONS AFFECTED BY REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT NEW FINISH WILL MATCH EXISTING IN SURROUNDING AREAS.
- BB. REMOVE EXISTING CEILINGS AND LIGHT FIXTURES REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING AND LIGHT FIXTURES UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.
- CC. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW DUCTWORK, PIPING AND EQUIPMENT. SEAL PENETRATIONS THROUGH WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.
- DD. PROVIDE STEEL LINTELS FOR NEW OPENINGS THROUGH EXISTING MASONRY WALLS AS REQUIRED. LINTELS TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS: TWO (2) 3-1/2"x3-1/2"x 5/16" ANGLES WITH 5/16" PLATE (1/2" LESS THAN WALL THICKNESS). PROVIDE W8x10 WITH 5/16" PLATE FOR OPENINGS ABOVE 48" WIDE.
- EE. WORK ON THE ROOF SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE EXISTING ROOFING MANUFACTURER'S RECOMMENDATIONS. ROOF WORK SHALL BE PERFORMED BY CERTIFIED INSTALLERS AS TO MAINTAIN THE EXISTING ROOF WARRANTY. PRIOR TO THE START OF ANY WORK ON THE ROOF, EXISTING ROOF SHALL BE INSPECTED AND CERTIFIED BY THE EXISTING ROOFING MANUFACTURER. ANY DEFICIENCIES WHICH OCCUR BETWEEN THE INITIAL AND FINAL INSPECTIONS SHALL BE CORRECTED AT NO COST TO THE OWNER. CORRECTIVE MEASURES SHALL BE PERFORMED BY CERTIFIED INSTALLERS TO MAINTAIN THE EXISTING ROOF WARRANTY.
- FF. PROVIDE AN APPROVED SURFACE MOUNTED RACEWAY AS REQUIRED FOR INSTALLATION OF NEW THERMOSTATS ON EXISTING WALLS TO CONCEAL CONTROL WIRING. SUBMIT SAMPLE OF RACEWAY FOR REVIEW. COORDINATE ROUTING OF RACEWAYS WITH EXISTING BUILDING CONDITIONS AND ADJUST ROUTING TO AVOID CONFLICTS AND TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE MOUNTED RACEWAY.
- HH. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.
- II. MINIMUM SIZE FOR HOT WATER HEATING SUPPLY AND RETURN PIPING TO BE 3/4".
- JJ. DRAIN AND REFILL EXISTING PIPING SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK. PROVIDE CHEMICAL TREATMENT, GLYCOL/ANTI-FREEZE MIXTURE FOR WATER PIPING SYSTEM ACCORDING TO OWNER'S REQUIREMENTS. AFTER SYSTEM IS FILLED AND VENTED, PROPERLY VENT PIPING SYSTEMS.
- KK. PROVIDE APPURTENANCES (I.E. EXPANSION COMPENSATORS, FLEXIBLE CONNECTIONS, EXPANSION LOOPS, JUNCTION BOXES, ETC.) NECESSARY TO CROSS EXPANSION JOINTS IN BUILDING CONSTRUCTION WITH CONDUIT, PIPING, DUCTWORK, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND QUANTITY OF EXPANSION JOINTS.
- NN. PROVIDE STRUCTURAL SUPPORT FOR FREE STANDING AND WALL MOUNTED PANELS, VFD'S, MOTOR STARTERS, ETC. IN MECHANICAL ROOMS AS REQUIRED.
- OO. ADJUST NEW ROOF-TOP EQUIPMENT LOCATIONS BEING INSTALLED ON EXISTING ROOF LOCATIONS AS REQUIRED TO COORDINATE WITH EXISTING STRUCTURAL CONDITIONS. PROVIDE OUTSIDE AIR-INTAKE EXTENSIONS WITH DUCTWORK SUPPORTS AS REQUIRED TO MAINTAIN MINIMUM 10 FEET CLEARANCE BETWEEN OAI OPENING AND ANY EXHAUST OR VENT LOCATION. EXISTING CEILING SPACES ARE MINIMAL HEIGHT. COORDINATE DUCTWORK INSTALLATION BETWEEN STRUCTURAL JOISTS, CEILING AND LIGHT FIXTURES AS REQUIRED. PROVIDE INCREASE HEIGHT ROOF CURBS AS REQUIRED TO DUCTWORK TRANSITIONS BETWEEN EXISTING STRUCTURAL COMPONENTS.
- PP. CLASSROOM UNIT VENTILATORS ARE TO BE PROVIDED WITH MATCHING OPEN SHELVING UNITS AS SPECIFIED. ALSO, PROVIDE OPEN SHELVING UNITS FOR CLASSROOMS INDICATED THAT DO NOT HAVE UNIT VENTILATORS. PROVIDE CONTINUOUS WALL TO WALL CABINETS WITH FILLERS AT EACH END. FIELD MEASURE AND VERIFY EXACT REQUIREMENTS.
- RR. MODIFY EXISTING CONDITIONS FOR NEW UNIT VENTILATOR INSTALLATION AS REQUIRED. CUT AND TRIM EXISTING SILLS FLUSH WITH EXISTING WALLS SO THAT UNIT VENTILATOR INSTALLATION WILL BE FLUSH TO WALL.
- SS. OUTSIDE AIR INTAKE LOUVERS AND DUCTWORK FOR UNIT VENTILATORS ARE INDICATED ON THE PIPING PLANS.
- TT. PIPING ENCLOSURES SHALL BE PROVIDED FOR HVAC PIPING (INCLUDING CONDENSATE) THAT IS TO BE MOUNTED BELOW 9'-0" ABOVE FINISHED FLOOR. SUBMIT DETAILED SHOP DRAWINGS PRIOR TO FABRICATION. ENCLOSURES TO BE ONE (1) PIECE 14 GAUGE STEEL WITH ONE (1) PRIME COAT AND TWO (2) FINISH COATS OF ENAMEL. CUSTOM COLOR AS SELECTED BY ARCHITECT. PROPERLY SECURE TO EXISTING CONSTRUCTION WITH CONCEALED FASTENERS AS REQUIRED TO PROVIDE A COMPLETE AND PROPER FINISHED INSTALLATION. ENCLOSURES SHALL BE REMOVABLE.

GRILLE, REGISTER & DIFFUSER SCHEDULE

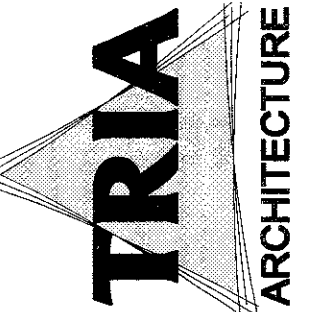
TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	AIR PATTERN	MOUNTING	SIZE	TYPE OF CONTROL	REMARKS
R2	NAILOR	6145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	O.B.D.	-
T1	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	-	-
T2	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	-	-
* ALL DIFFUSERS AND REGISTERS SHALL HAVE A WHITE FINISH UNLESS OTHERWISE NOTED								

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	SIZE	REMARKS
LV-1	NAILOR	1605UD	OUTSIDE AIR INTAKE LOUVER	SEE DRAWINGS	ALUMINUM KYNAR 500 CUSTOM FINISH. SUBMIT COLOR CHARTS FOR APPROVAL.

RELIEF HOOD SCHEDULE

TAG	MANUFACTURER	MODEL *	THROAT SIZE	DESCRIPTION	HOOD LOCATION	REMARKS
RH-1	ACME	*TIV	SEE PLANS	RELIEF AIR HOOD	ROOF	PROVIDE W/ BIRDSCREEN, BAROMETRIC RELIEF DAMPER, AND 18" HIGH ROOF CURB.



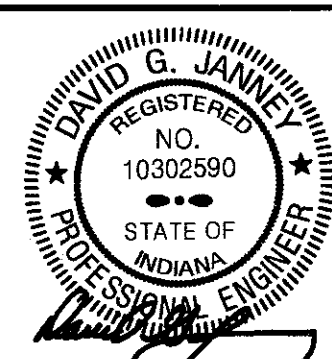
MEP ENGINEER
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WWW.MEG-USA.COM

DUNELAND SCHOOL CORPORATION

2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



REVISIONS
PROJECT NUMBER: IL-065
PROJECT MANAGER: EK
DRAWN BY: CA
DATE: 01/11/2018
CHECKED FOR RED AND PERMIT: 01/11/2018
MECHANICAL SCHEDULES & NOTES



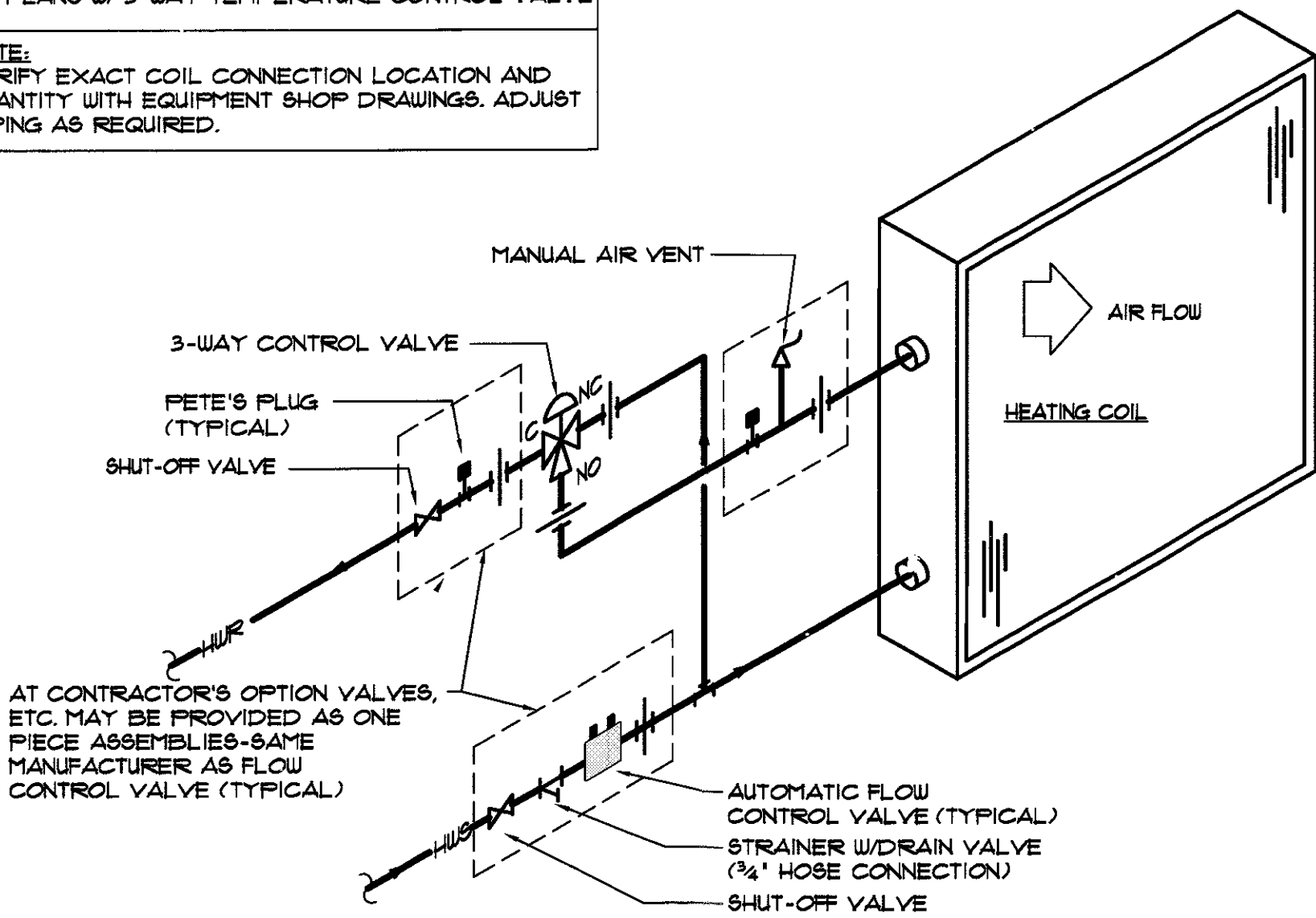
M2.10

HOT WATER HEATING COIL PIPING DIAGRAM

SCHEMATIC ONLY

TYPICAL PIPING DIAGRAM FOR UNIT VENTILATORS ON PLANS W/ 3-WAY TEMPERATURE CONTROL VALVE

NOTE: VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.

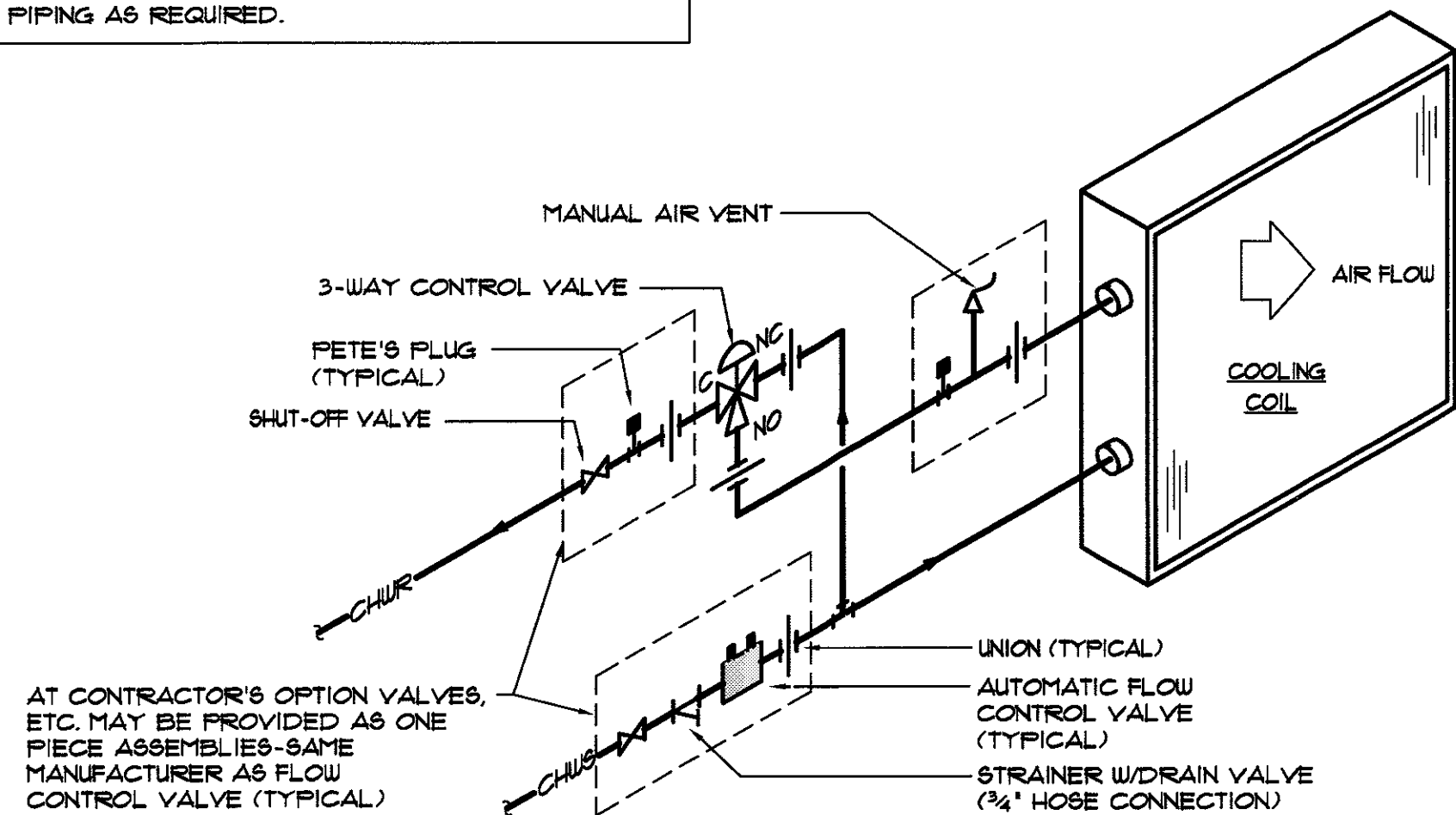


CHILLED WATER COOLING COIL PIPING DIAGRAM

SCHEMATIC ONLY

TYPICAL PIPING DIAGRAM FOR UNIT VENTILATORS ON PLANS W/ 3-WAY TEMPERATURE CONTROL VALVE

NOTE: VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.



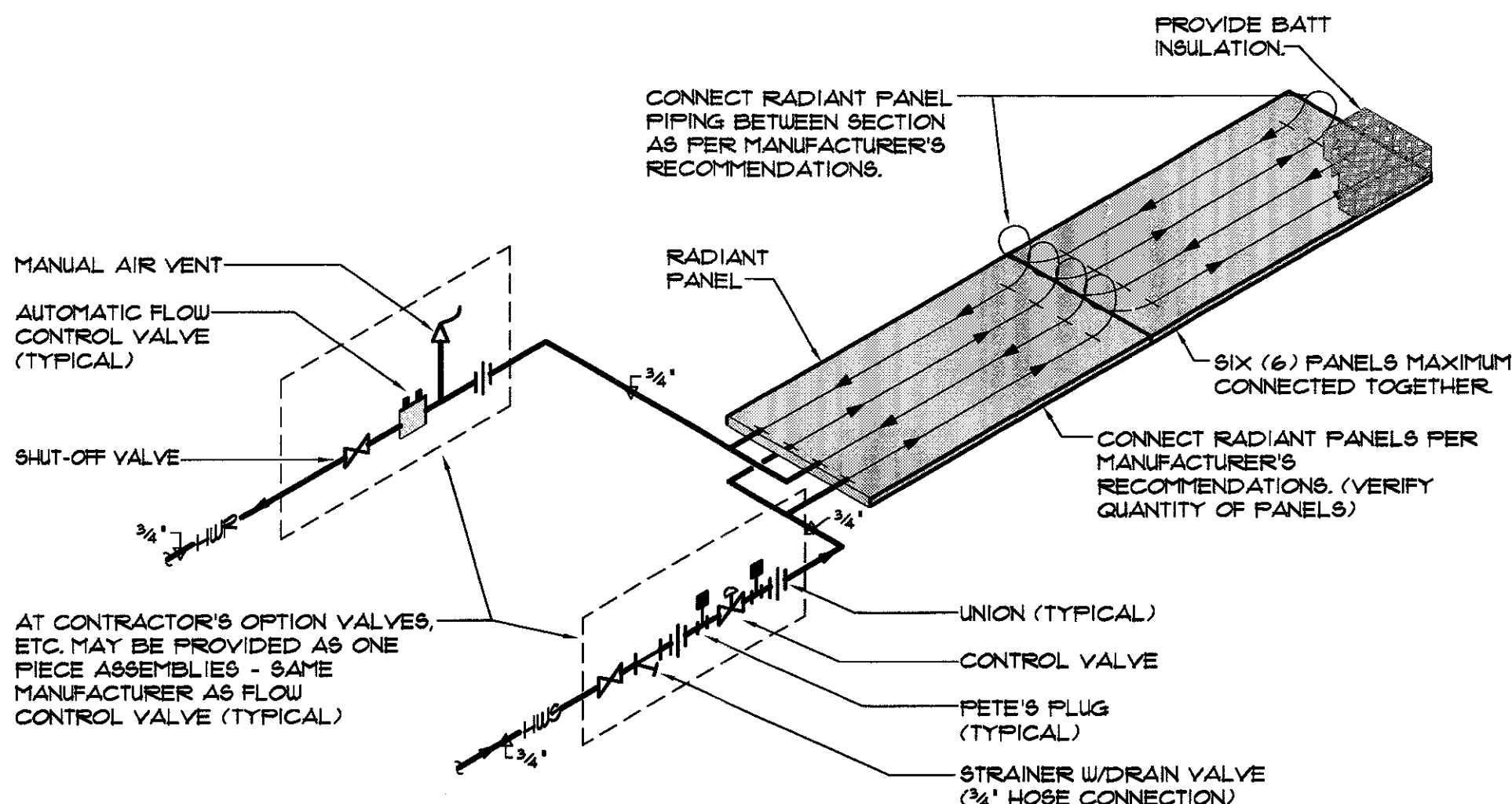
SYMBOLS/ABBREVIATIONS

SYMBOL	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
	EXISTING DUCTWORK	AD	AUTOMATIC (MOTORIZED) DAMPER
	NEW DUCTWORK	AFF	ABOVE FINISHED FLOOR
	DUCTWORK TO BE REMOVED	BRD	BAROMETRIC RELIEF DAMPER
	DUCT TRANSITION	CAT	CONDENSING AIR TEMPERATURE
	CAP EXISTING DUCTWORK AS REQUIRED	CFH	CUBIC FEET PER HOUR
	NEW DUCTWORK TO TIE INTO EXISTING DUCTWORK	CFM	CUBIC FEET PER MINUTE
	SQUARE TO ROUND TRANSITION	CHWS	CHILLED WATER SUPPLY
	EXISTING DUCTWORK	CHWR	CHILLED WATER RETURN
	NEW DUCTWORK	CTE	CONNECT TO EXISTING
	DUCT TRANSITION	DN	DOWN
	CAP EXISTING DUCTWORK AS REQUIRED	EAT	ENTERING AIR TEMPERATURE
	NEW DUCTWORK TO TIE INTO EXISTING DUCTWORK	EC	ELECTRICAL CONTRACTOR
	SUPPLY AIR DUCT DOWN	EDB	ENTERING DRY BULB TEMPERATURE
	SUPPLY AIR DUCT UP	ESP	EXTERNAL STATIC PRESSURE
	RETURN OR EXHAUST DUCT DOWN	EUB	ENTERING WET BULB TEMPERATURE
	RETURN OR EXHAUST DUCT UP	EUT	ENTERING WATER TEMPERATURE
	RETURN OR EXHAUST REGISTER	EX	EXISTING
	AUTOMATIC (MOTORIZED) DAMPER	EXH	EXHAUST
	SEE SCHEDULES	FC	FLEXIBLE CONNECTION
	SHEET NOTE	GEF	GENERAL EXHAUST FAN
	THERMOSTAT - ADJUSTABLE	GFM	GALLONS PER MINUTE
	PNEUMATIC WALL FLATE SENSOR	HP	HORSE POWER
	HWS - HOT WATER SUPPLY PIPING	HWS	HOT WATER SUPPLY
	HWR - HOT WATER RETURN PIPING	HWR	HOT WATER RETURN
	CHWS - CHILLED WATER SUPPLY PIPING	HW	HOT WATER
	CHWR - CHILLED WATER RETURN PIPING	HZ	HERTZ
	PIPING TO BE REMOVED	LAT	LEAVING AIR TEMPERATURE
	EXISTING PIPING	LDB	LEAVING DRY BULB TEMPERATURE
	PIPE TURNED UP	LV	LOUVER
	PIPE TURNED DOWN	LWB	LEAVING WET BULB TEMPERATURE
	UNION	LWT	LEAVING WATER TEMPERATURE
	CIRCUIT SETTER	MBH	1000 BTU/HOUR
	SHUT-OFF VALVE	MC	MECHANICAL CONTRACTOR
	2-WAY AUTOMATIC VALVE	MD	MANUAL DAMPER
	3-WAY AUTOMATIC VALVE	MOD	MODULATING
	CONTROL VALVE	MV	MANUAL AIR VENT
	GRISWOLD VALVE	NK	NECK
	MANUAL AIR VENT	NTS	NOT TO SCALE
		O/A	OUTSIDE AIR
		OAI	OUTSIDE AIR INTAKE
		OPD	OPPOSED BLADE DAMPER
		RH	RELIEF HOOD
		RPM	REVOLUTIONS PER MINUTE
		S/A	SUPPLY AIR
		SHC	SENSIBLE HEAT CAPACITY
		ΔT	TEMPERATURE DIFFERENCE
		T/A	TRANSFER AIR
		TEF	TOILET EXHAUST FAN
		TSP	TOTAL STATIC PRESSURE
		TYP	TYPICAL
		UD	UNDERCUT DOOR
		WC	WATER COLUMN
		WPD	WATER PRESSURE DROP

RADIANT PANEL PIPING DIAGRAM

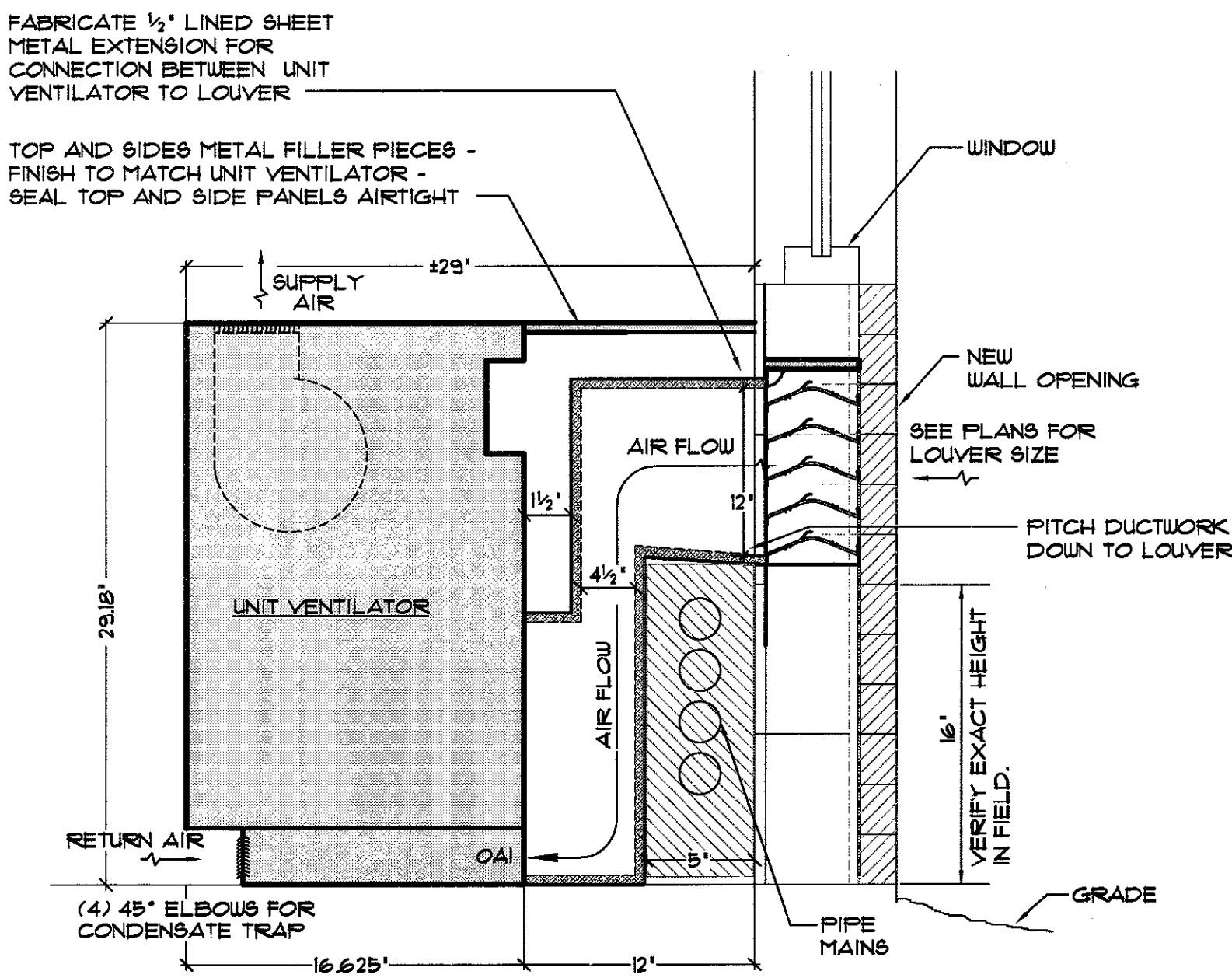
SCHEMATIC ONLY

NOTE: VERIFY EXACT CONNECTION LOCATION AND QUANTITY OF SUPPLY AND RETURN TUBES WITH UNIT MANUFACTURER. ADJUST PIPING CONNECTIONS AS REQUIRED.

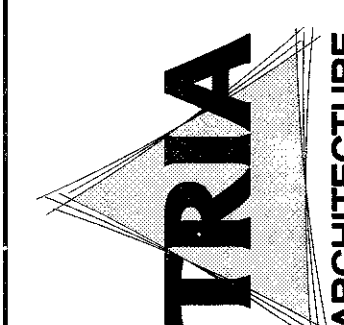


TYPICAL UNIT VENTILATOR SECTION

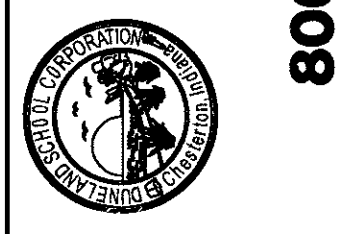
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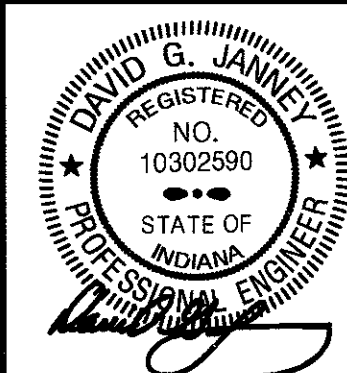
DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
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PROJECT NUMBER	17-005
PROJECT MANAGER	EK
DRAWN BY	CH
ISSUED FOR BID AND PERMIT	01/10/2018
MECHANICAL DIAGRAMS AND ABBREVIATIONS	




M2.20

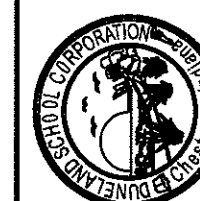


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REVISE NOTE 7. DRAWING P.O. 10

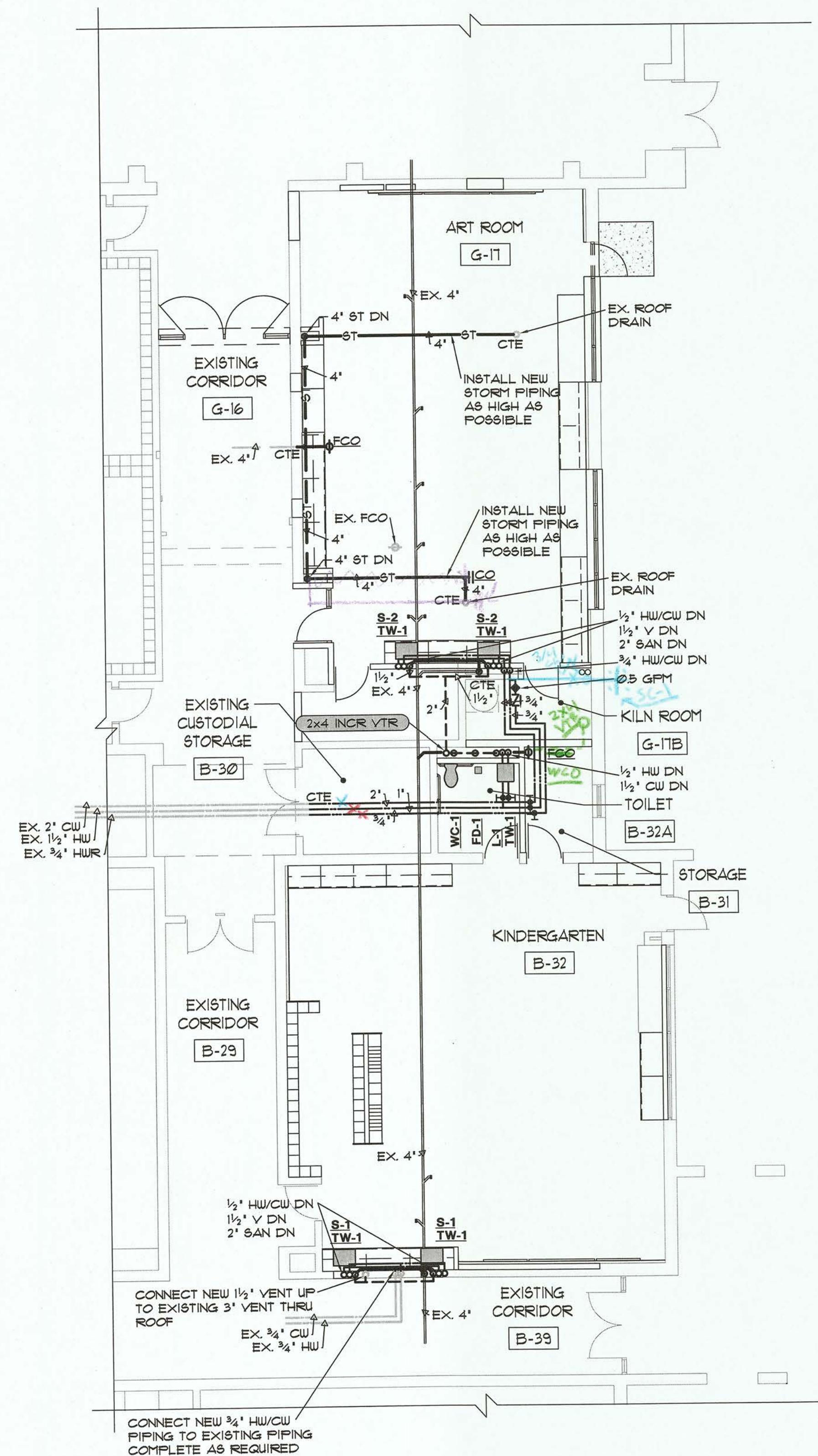
"Video tape existing storm piping main to confirm existing branch storm piping connection points, inverts, and conditions of piping as required to complete the work. Provide report indicating connection point locations, inverts, and any deficiencies in the existing storm piping system prior to starting work."

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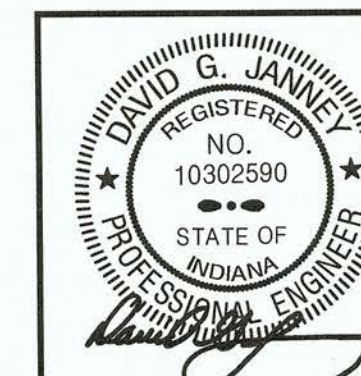
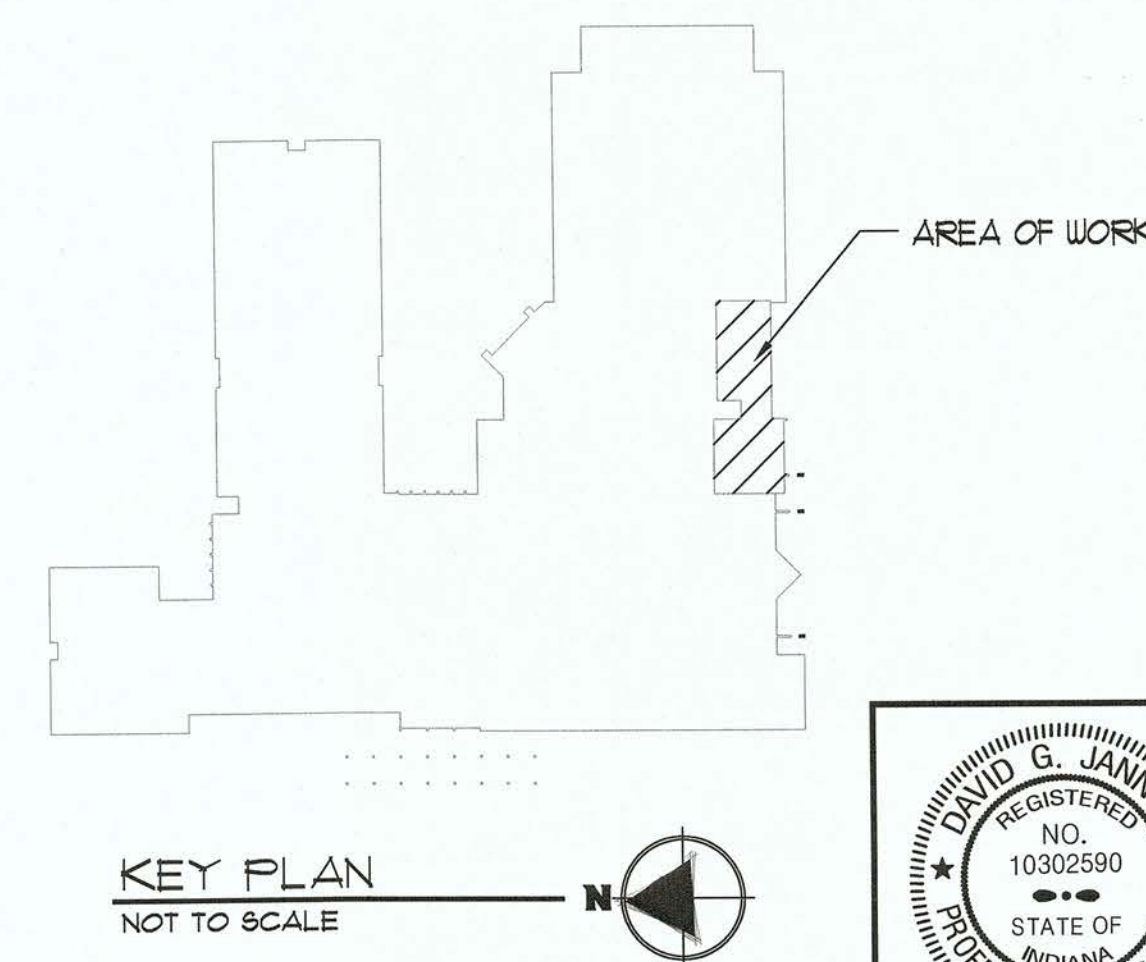


PROJECT NUMBER: 11-005	REVISIONS:
PROJECT MANAGER: EK	1
DRAWN BY: MDG	2
	3
	4
	5
ISSUED FOR BID AND PERMIT: 01/24/2008	

PARTIAL FIRST FLOOR PLUMBING
DEMOLITION PLAN



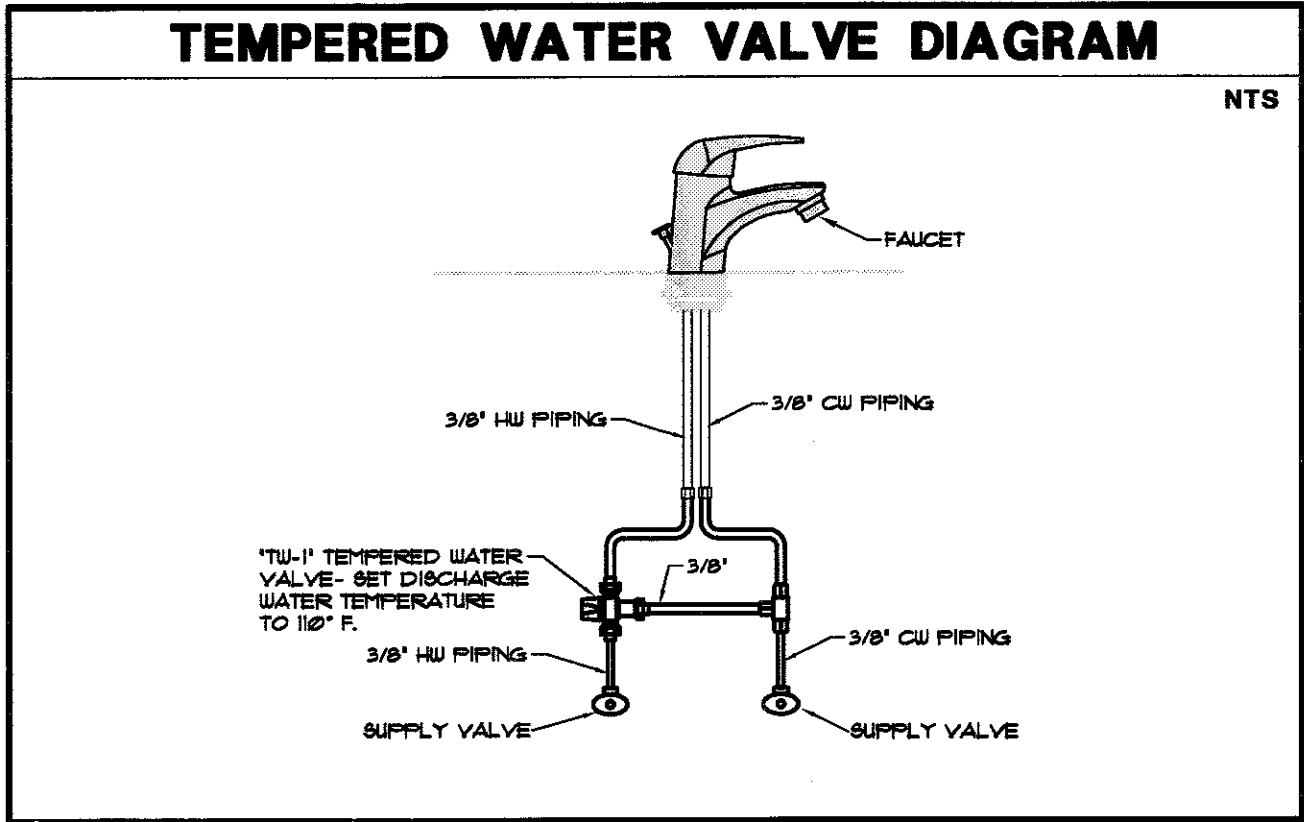
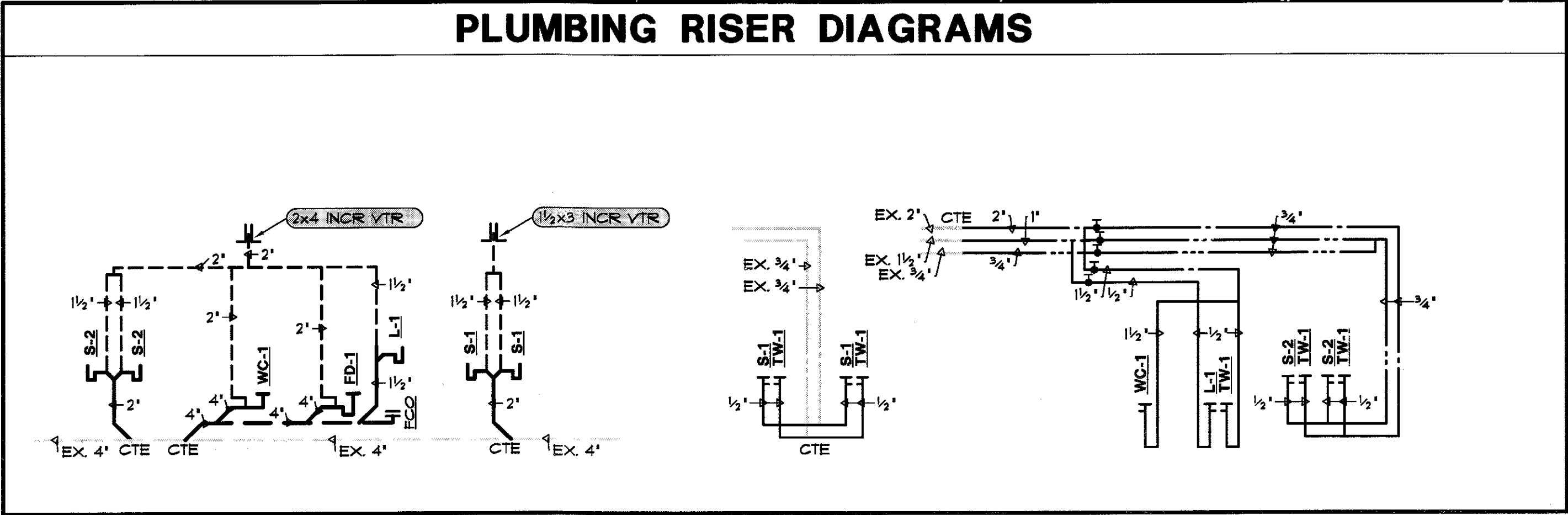
1 PARTIAL FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"



PROJECT NUMBER: T1-005	REVISIONS:
PROJECT MANAGER: EC	1
DRAWN BY: POG	2
DATE FOR BID AND PERMIT: 06/14/2018	3

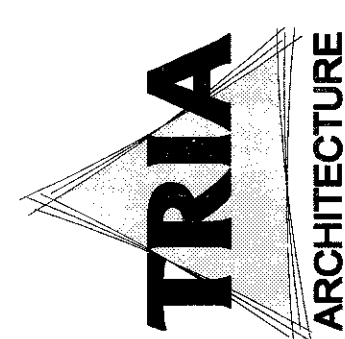
PARTIAL FIRST FLOOR PLUMBING PLAN

PLUMBING EQUIPMENT AND FIXTURE SCHEDULE																
TAG NO.	FIXTURE/EQUIPMENT TYPE	FIXTURE/EQUIPMENT DESCRIPTION	FIXTURE/EQUIPMENT MANUFACTURER AND MODEL NO.	ACCEPTABLE MANUF.	FIXTURE VALVE/FAUCET TYPE	FIXTURE VALVE/FAUCET TYPE	ACCEPTABLE MANUF.	ACCESSORIES/REMARKS (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)	ELECTRICAL DATA							
									HP	MCA	FLA	AMPS	MCCP	VOLT	PH	HZ
WC-1	WATER CLOSET	VITREOUS CHINA, FLOOR MOUNTED, (CHILD)	AMERICAN STANDARD 9282.001	NOTE 1	MANUAL FLUSH VALVE	AMERICAN STANDARD 9241.61002	NOTE 5	BEM18 9185-C SEAT	-	-	-	-	-	-	-	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"x18", ADA	AMERICAN STANDARD 92955.012	NOTE 1	0.5 GPM-ELECTRONIC BATTERY SENSOR, 4" CENTER	BERMAN 92BF-650-BDT	NOTE 6	PROVIDED WITH THERMOSTATIC MIXING VALVE. MCGUIRE 9FW-2150-UC 1-1/2" FROURAP, MCGUIRE 912161CCLK SUPPLIES	-	-	-	-	-	-	-	-
S-1	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 22"x19-1/2"x6-1/2"	ELKAY 91RADQ-2219	NOTE 2	2 HANDLE, HIGH GOOSENECK	CHICAGO FAUCET CO. 950-31TKACBCF	NOTE 6	MCGUIRE 93-8912-C8CF P-TRAP, MCGUIRE 912161CCLK SUPPLIES	-	-	-	-	-	-	-	-
S-2	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 22"x19-1/2"x6-1/2"	ELKAY 91RADQ-2219	NOTE 2	2 HANDLE, HIGH GOOSENECK	CHICAGO FAUCET CO. 950-31TKACBCF	NOTE 6	MCGUIRE 93-8912-C8CF P-TRAP, MCGUIRE 912161CCLK SUPPLIES, JOBAH 91030 SOLIDS INTERCEPTOR	-	-	-	-	-	-	-	-
FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6"x6" NICKEL BRONZE TOP	WADE 91000-066	NOTE 3	-	-	-	VANDALPROOF SCREWS	-	-	-	-	-	-	-	-
TW-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY 9593-4000A THV	NOTE 4	-	-	-	VALVE RATED AT 2 GPM @ 5 PSI PRESSURE DROP (MIN. FLOW 0.5 GPM)	-	-	-	-	-	-	-	-
NOTE 1: GERBER, CRANE, KOHLER, ZURN NOTE 2: JUST NOTE 3: ZURN, JOBAH, JR. SMITH, MIFAB NOTE 4: LEONARD, POWERS, LAULER NOTE 5: ZURN, TOTO NOTE 6: ZURN, DELTA, T48 BRASS, CHICAGO FAUCET CO.																



- GENERAL NOTES**
- WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING CODES AND ILLINOIS LIFE SAFETY CODE FOR SCHOOLS.
 - LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
 - COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY PIPING AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
 - FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
 - LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILING, PIPING AND BUILDING STRUCTURE.
 - SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING PLUMBING SYSTEMS.
 - VERIFY LOCATION AND ELEVATION OF PLUMBING EQUIPMENT, FIXTURES, PIPING, PANELS, ETC. EXPOSED WITHIN OCCUPIED SPACES BEFORE THE START OF ANY ROUGH-IN OR INSTALLATION.
 - COORDINATE VENT THROUGH ROOF LOCATIONS WITH OUTDOOR AIR INTAKE LOCATIONS TO MAINTAIN A MINIMUM SEPARATION OF TEN FEET.
 - VISIT SITE PRIOR TO BIDDING TO DETERMINE FIELD CONDITIONS. VERIFY EXISTING PLUMBING SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE EXTENT OF NEW AND DEMOLITION WORK. VERIFY EXISTING SANITARY PIPING SYSTEMS AS TO ROUTING, SIZE AND INVERT ELEVATION PRIOR TO ANY INSTALLATION OF NEW AND REMOVAL OF ANY EXISTING.
 - COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC. SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW PLUMBING SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, FIXTURES AND PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
 - REMOVE EXISTING EQUIPMENT, FIXTURES, PIPING, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, FIXTURES, PIPING, SUPPORTS, HANGERS, ETC. IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, FIXTURES AND PIPING IN AREAS THAT ARE TO BE RENOVATED.
 - EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR. PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REPORTED IN WRITTEN FORM FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
 - ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
 - REMOVED PIPING IS TO BE TERMINATED PROPERLY BACK TO EXISTING MAINS. CAP PIPING WATERTIGHT. PROVIDE ADDITIONAL PIPING AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS MODIFIED DUE TO REMOVAL OF PORTION OF SYSTEMS.
 - REMOVE EXISTING CEILING REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.
 - PROVIDE CUTTING, TRENCHING AND PATCHING OF EXISTING FLOOR SLAB REQUIRED FOR THE INSTALLATION OF NEW UNDERGROUND PIPING.
 - CUT OR CHANNEL INTO EXISTING WALL CONSTRUCTIONS AS REQUIRED FOR INSTALLATION OF NEW PIPING WITHIN EXISTING WALLS. PATCH WALL SURFACES AND FINISH AS REQUIRED TO MATCH EXISTING CONDITIONS.
 - PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.
 - ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILING. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" X 12" (MINIMUM) CEILING ACCESS DOORS. TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR.
 - REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.
 - PROTECT NEW AND EXISTING DRAIN OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE. ROD-OUT EXISTING SANITARY PIPING. PIPING SHALL BE FREE OF BLOCKAGE.
 - REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.

SYMBOL LIST	
	EXISTING UNDERGROUND SANITARY PIPING
	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RECIRCULATION PIPING
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED OR ABANDONED
	EXISTING UNDERGROUND STORM PIPING
	EXISTING UNDERGROUND STORM PIPING
	NEW UNDERGROUND SANITARY SEWER
	NEW COLD WATER PIPING
	NEW HOT WATER PIPING
	NEW HOT WATER RECIRCULATION PIPING
	NEW VENT PIPING
	NEW UNDERGROUND STORM PIPING
	NEW UNDERGROUND STORM PIPING
	PIPE DOWN
	PIPE UP
	SHUT-OFF VALVE
	CHECK VALVE
	BALANCING COCK/MANUAL FLOW CONTROL VALVE
	SHEET NOTE TAG
	CONNECT TO EXISTING COLD WATER
	DOWN
	EXISTING FLOOR CLEANOUT
	FLOOR DRAIN
	HOT WATER
	HOT WATER RECIRCULATION
	LAVATORY
	SINK
	TEMPERED WATER
	VENT
	VENT THROUGH ROOF
	WATER CLOSET



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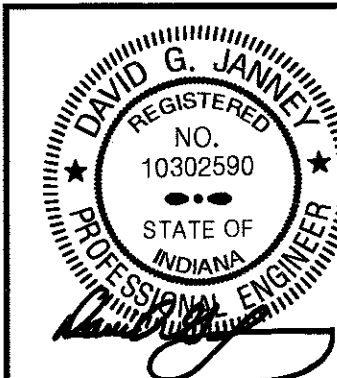
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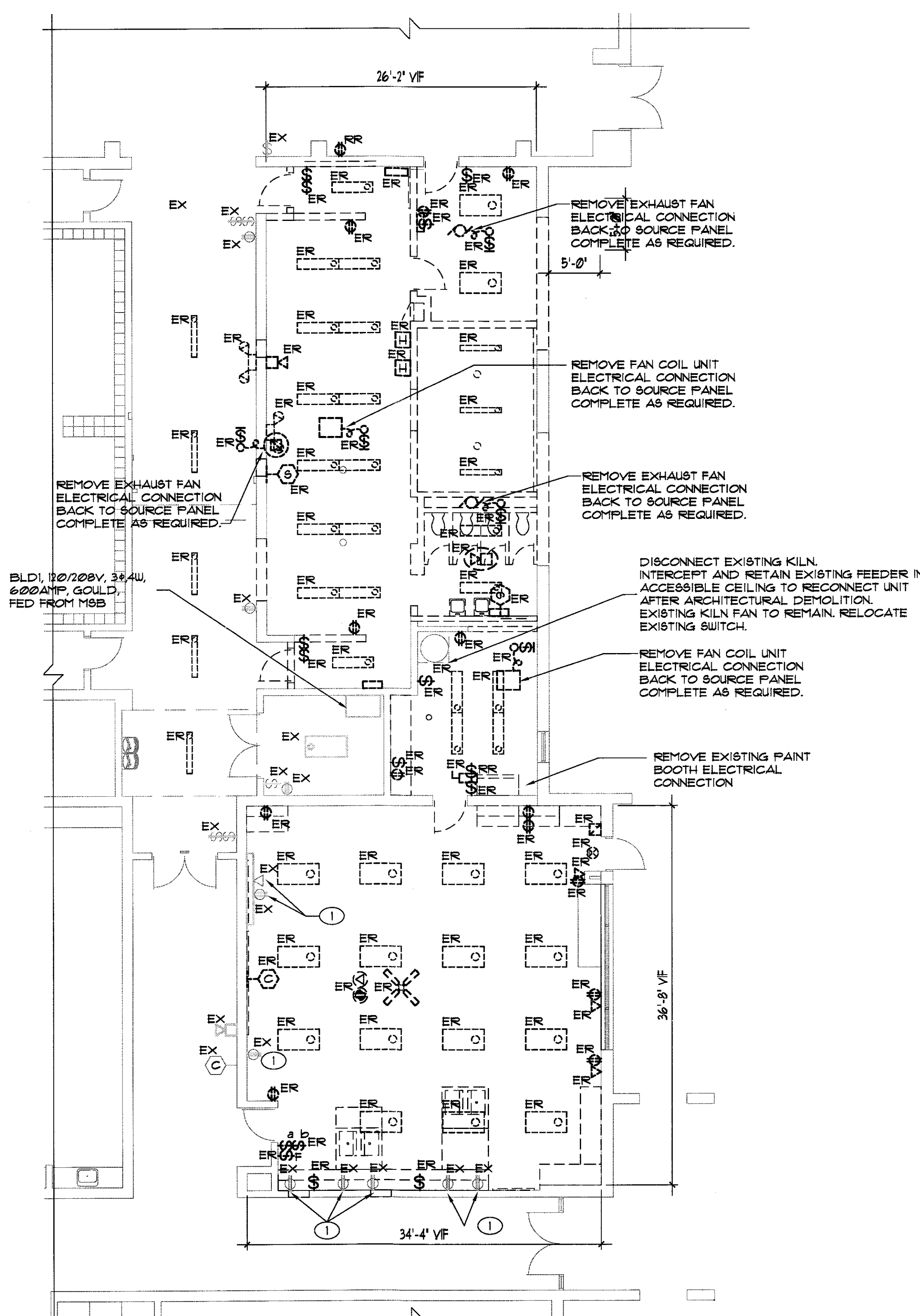
REVISIONS:

PROJECT NUMBER: 12-005
PROJECT NAME: EC
DRAWN BY: IDA

ISSUED FOR BID AND PERMIT: 01/04/2018
PLUMBING SPECIFICATIONS



P2.10



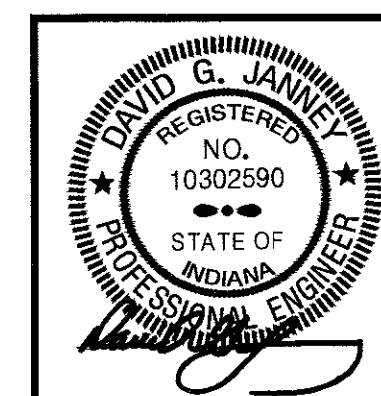
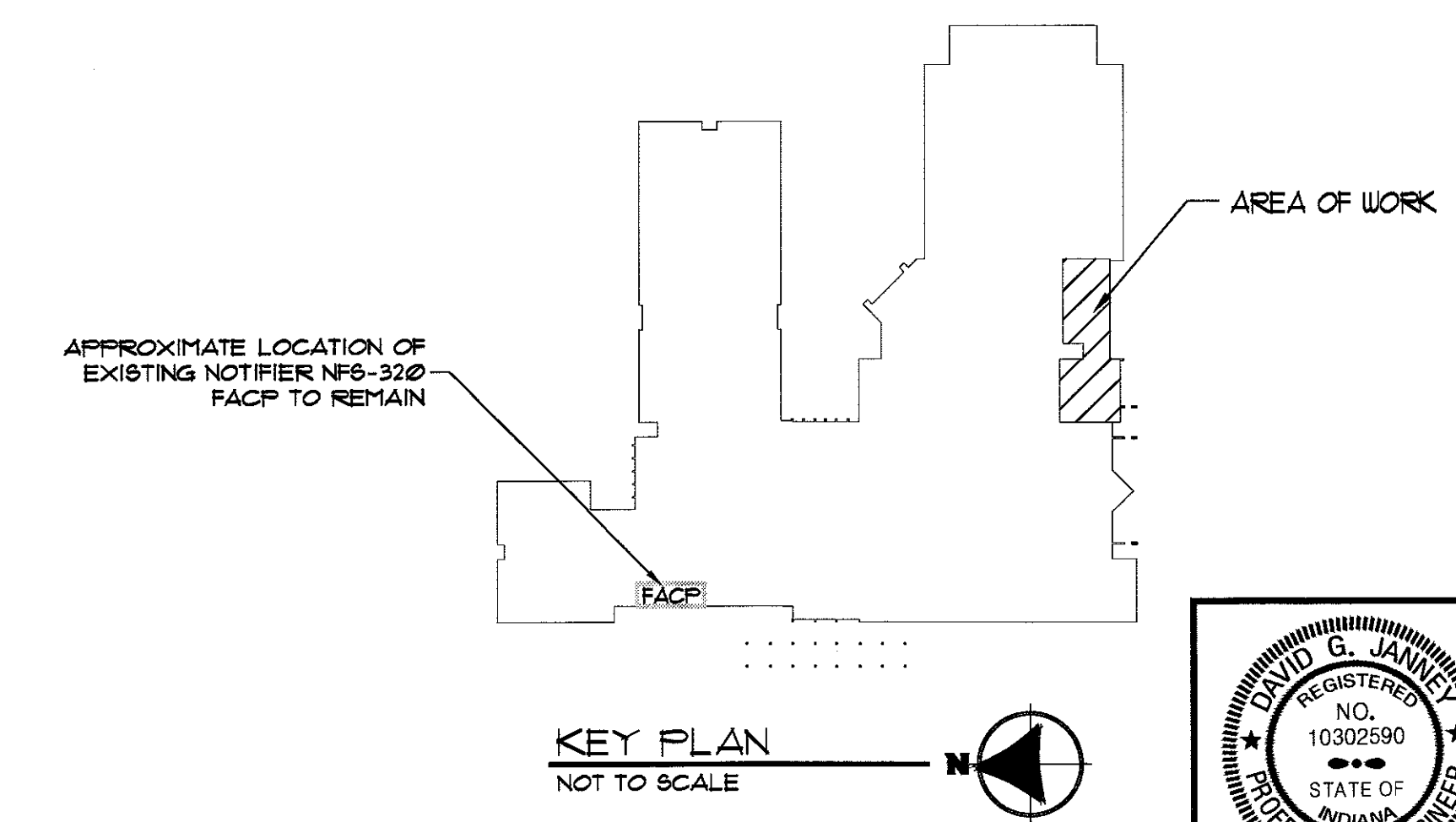
1 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

SHEET NOTES

1. PROVIDE EXTENSION RINGS AS REQUIRED TO MOUNT EXISTING DEVICES FLUSH WITH FACE OF NEW WALL FINISH.

GENERAL NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHTING (LABELED AND SHOWN AS 'ER') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING SHOWN ON THE ELECTRICAL LIGHTING PLAN.



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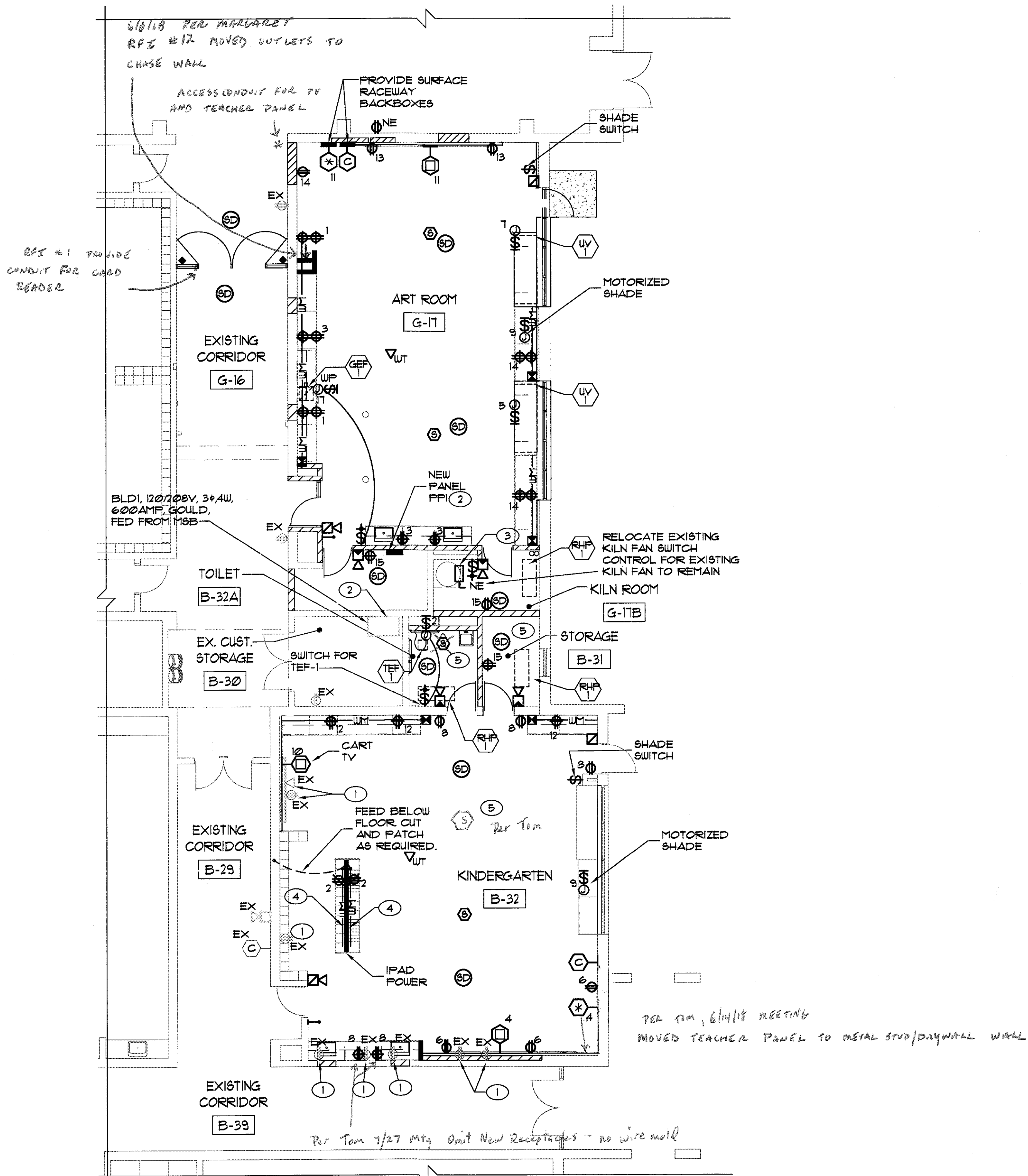
DUNELAND SCHOOL CORPORATION

2018 RENOVATIONS AT:

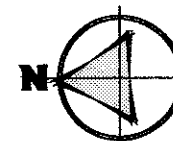
BAILLY ELEMENTARY SCHOOL

800 S. 5TH STREET CHESTERTON, INDIANA 46304

PROJECT NUMBER: 11-003 PROJECT MANAGER: EK DRAWN BY: BH	REVISIONS: 1 2 3 4 5 6 7 8 9 10	ISSUED FOR BID AND PERMIT: 6/14/2018 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN	<p style="font-size: 2em; font-weight: bold;">E0.10</p>
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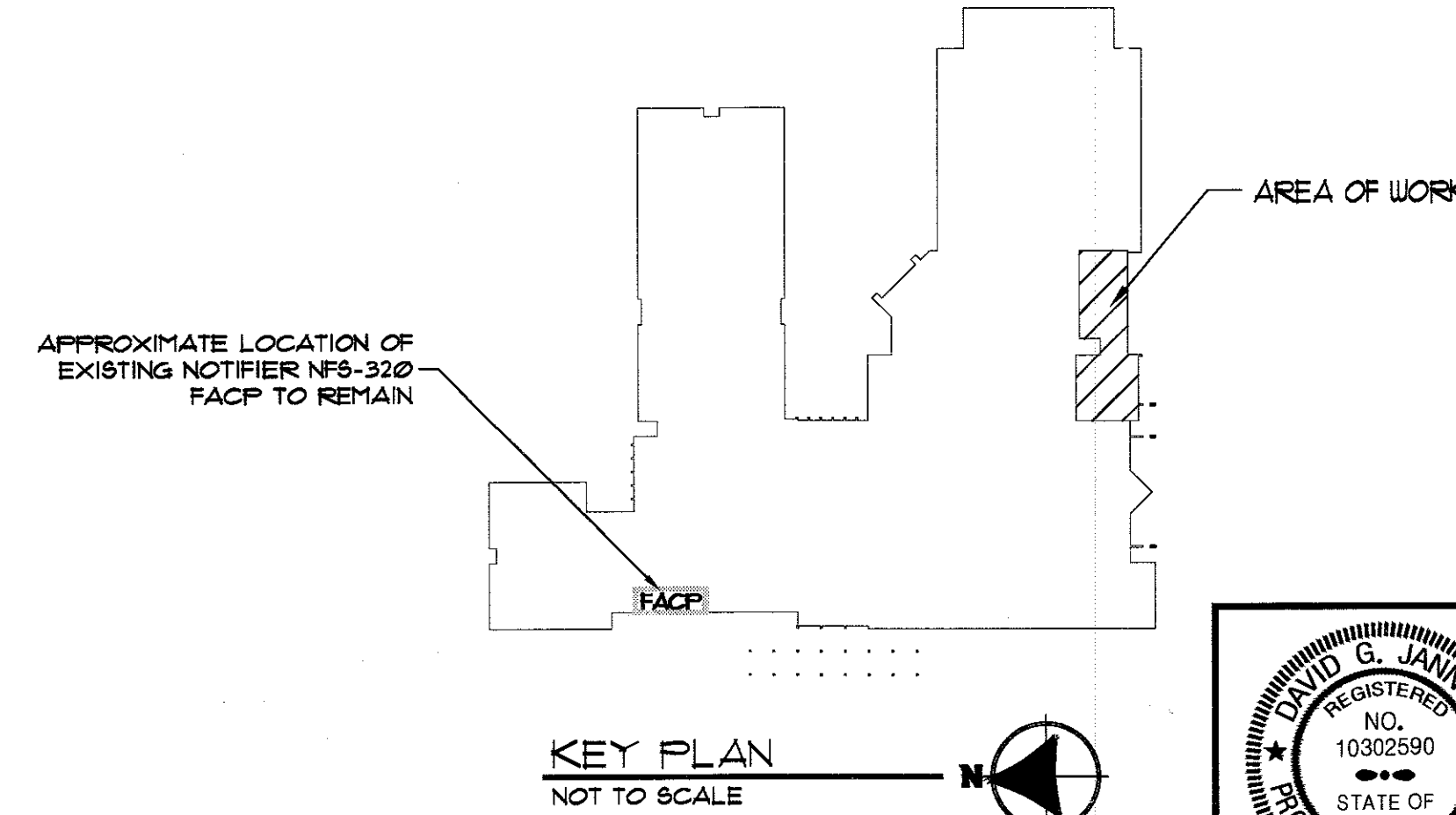
1 PARTIAL FIRST FLOOR ELECTRICAL PLAN
1/8" = 1'-0"



TRANSFERRAL #156 : PER TOM 5/15/18
MOUNT POWER/DATA/FUTURE JUNCTION BOX (BEHIND TV) AT 36" AFF
BOTH ROOMS

- ### SHEET NOTES
1. PROVIDE EXTENSION RINGS AS REQUIRED TO MOUNT EXISTING DEVICES FLUSH WITH FACE OF NEW WALL FINISH.
 2. ROUTE 4*2 1/8" GRD - 1 1/2" C. TO ONE(1) NEW 100A/3P SWITCH IN EXISTING 120/208V, 3*, 4W, 600A DISTRIBUTION PANEL BLD1.
 3. PROVIDE NEW DISCONNECT SWITCH FOR EXISTING KILN. INTERCEPT EXISTING FEEDER AND EXTEND TO KILN CONNECTION, COMPLETE AS REQUIRED.
 5. Drawing E110 REVISE sheet note 4 as follows: 2/16/18 ADDN #1 (8) RECEPTACLES PER a. "PROVIDE TWO (2) RECEPTACLES RECESSED IN GYPSUM WALL KET. COORDINATE WITH TEXT PRIOR TO ELEVATION WITH ARCHITECT PRIOR TO INSTALLATION."
 5. ALL NEW RECEPTACLES IN ROOM SHALL BE TAMPER RESISTANT TYPE. EXISTING RECEPTACLES SHALL BE REPLACED WITH NEW TAMPER RESISTANT UNITS. PROVIDE GFI TAMPER RESISTANT UNITS WHERE REQUIRED BY CODE OR WITHIN 6'-0" OF WATER SOURCE.

- ### GENERAL NOTES
1. UNLESS OTHERWISE NOTED, DEVICES SHALL BE CONNECTED TO CIRCUITS INDICATED IN NEW PANEL PP-1.
 2. PROVIDE NEW WIREMOLD PAINTABLE STEEL SURFACE RACEWAY AND SURFACE RACEWAY BOXES (2000 SERIES FOR SINGLE SERVICE 4000 FOR DUAL SERVICE) NEATLY ROUTED FOR ALL NEW DEVICES ON EXISTING WALLS OR WHERE INDICATED. VERIFY EXACT ROUTING AND LOCATION OF RIBBERS WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.
 3. PROVIDE ALL SWITCHES, CABLING AND ELECTRICAL INTERCONNECTIONS FOR SHADE SYSTEM, COMPLETE AS REQUIRED. COORDINATE FINAL REQUIREMENTS WITH SHADE MANUFACTURER.



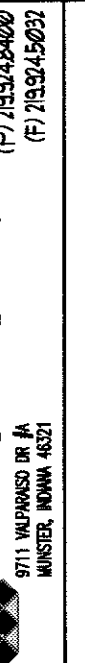
REVISIONS	
PROJECT NUMBER: 11-265	DATE: 11/14/18
PROJECT NAME: EC	BY: BL
DRAWN BY:	
ISSUED FOR BID AND PERMIT: 06/14/2019	1/2
PARTIAL FIRST FLOOR ELECTRICAL PLAN	

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TRIA
ARCHITECTURE

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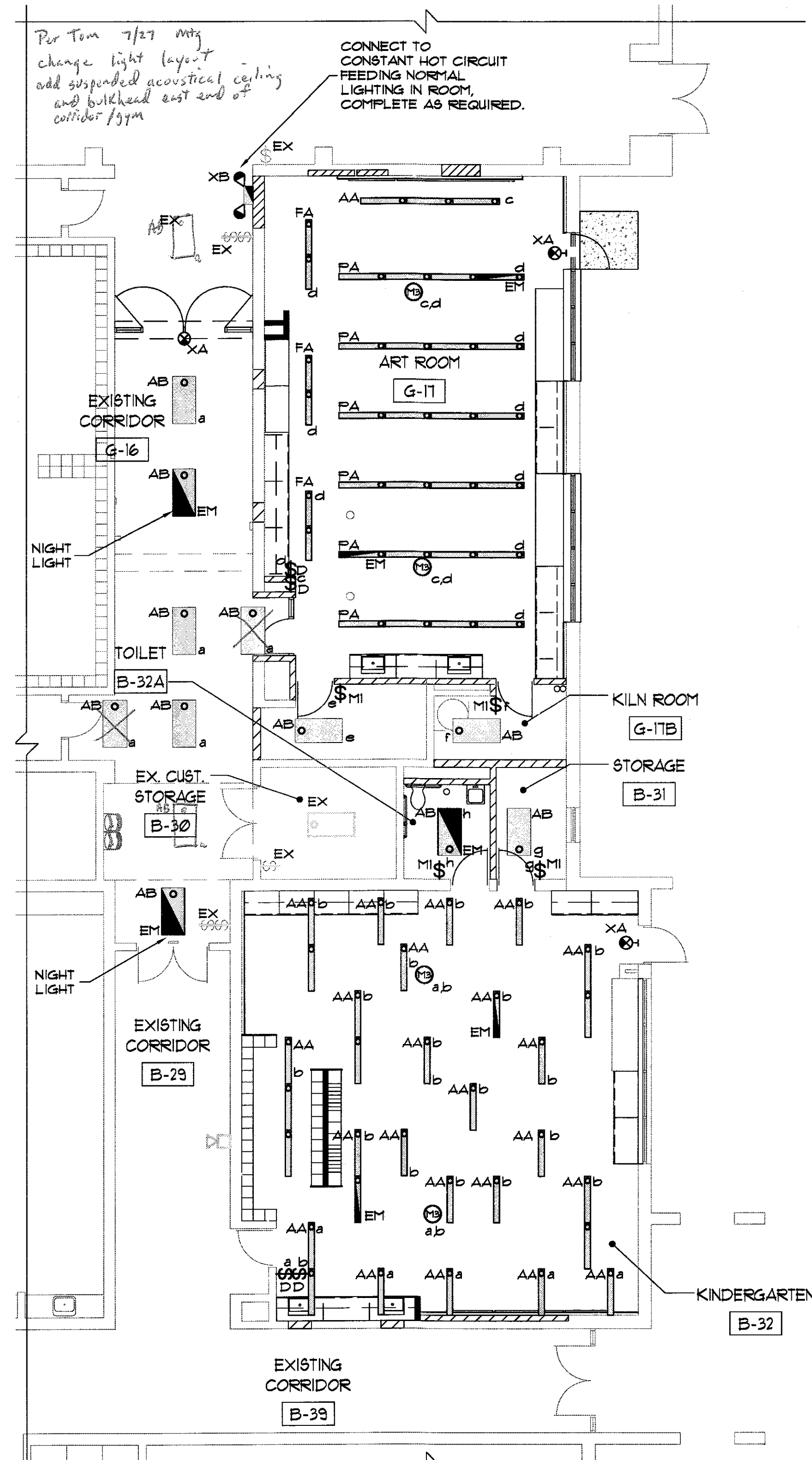
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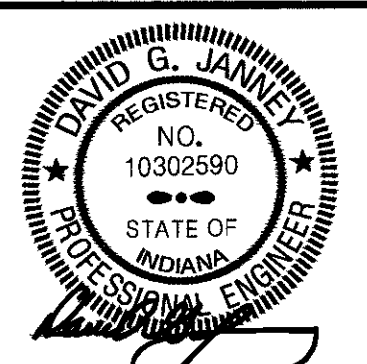
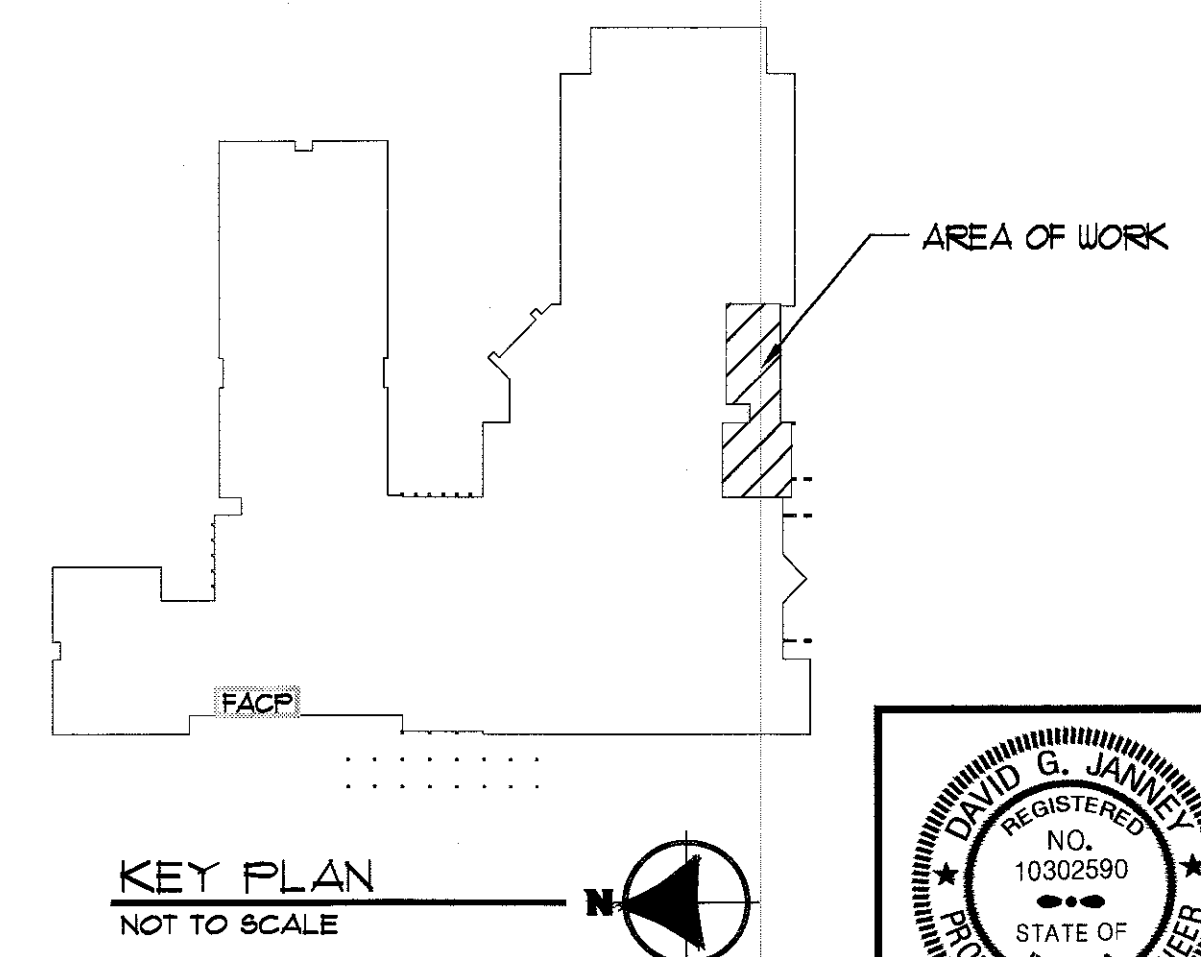
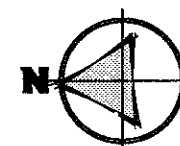
NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED
BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS
LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

A	AMP	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFF	ABOVE FINISH FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISH GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RER	REMOVE AND RELOCATED EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SU	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UNO	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	FI	FURNISH AND INSTALL

1. RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 1400W PER 120 VOLT CIRCUIT AND 4000W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED, VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EXIT SIGNS AND NIGHT LIGHT EMERGENCY LIGHTING TO EXISTING EMERGENCY LIGHTING CIRCUITRY, COMPLETE AS REQUIRED, MAXIMUM 1400W WATTS PER 120 VOLT CIRCUIT AND 4000W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL AND EXTEND 2 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED, VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
3. PROVIDE CONSTANT HOT, NIGHT LIGHT CIRCUIT (FROM CIRCUIT INDICATED IN NEW PANEL "EM") FOR ALL EMERGENCY NIGHT LIGHTS ("NL TAGS") SHOWN. EMERGENCY FIXTURES SHOWN WITH SWITCH TAGS INDICATED SHALL BE PROVIDED WITH CONSTANT HOT SENSING LEAD SO THAT UPON UTILITY POWER LOSS, FIXTURE SHALL BE SWITCHED ON REGARDLESS OF SWITCH POSITION. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD AND WITH MANUFACTURER, COMPLETE AS REQUIRED.
4. NORMAL POWER CORRIDOR FIXTURES SHALL BE RECONNECTED BACK TO EXISTING CORRIDOR CIRCUITRY AND SWITCHING, COMPLETE AS REQUIRED.
5. PROVIDE NEW WIRELOD PAINTABLE STEEL SURFACE RACEWAY AND SURFACE RACEWAY BOXES (1000 SERIES) FOR SINGLE GROUNDING (4000 FOR DUAL GROUNDING) FOR ALL NEW DEVICES ON EXISTING WALLS OR WHERE INDICATED, VERIFY EXACT ROUTING AND LOCATION OF RISERS WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.




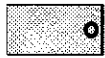


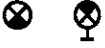

1 PARTIAL FIRST FLOOR ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"



**2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304**

PROJECT NUMBER: EN	✓
DRAWN BY: SH	✓
	✓
	✓
	✓
ISSUED FOR BID AND PERMIT: 01/04/2008	✓

E1.20

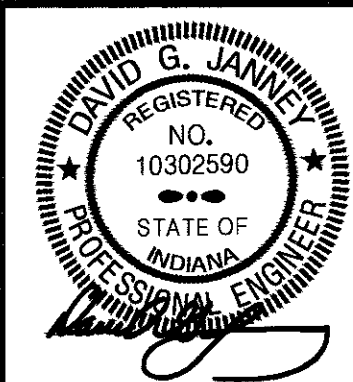
INTERIOR LIGHTING LUMINAIRE SCHEDULE							
TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		RECESSED LED LINEAR FIXTURE	ALIGHTS *ACL5-M4-L8-35-U-HU-X-W-D-EX-X-X OR APPROVED EQUAL	120/277 VOLT 0-10V DIM -	LED 3500K CRI +85	RECESSED LAY-IN	-VERIFY FINAL PART NUMBER WITH ARCHITECT -
AB		2' X 4' LED LENSED FIXTURE WITH FLAT WHITE STEEL DOOR WITH PRISMATIC LENS	LITHONIA *GTL-4-40L-EZI-LF835 OR APPROVED EQUAL BY HUBBELL OR METALUX LIGHTING	120/277 VOLT 0-10V DIM -	LED 3500K CRI +85 MIN 4000 LM	RECESSED LAY-IN	-VERIFY FINAL PART NUMBER WITH ARCHITECT -
FA		LED SURFACE FIXTURE	ALIGHTS *ACL3-M8-16-L8-35-U-HE-F-W-D-EX-X-X OR APPROVED EQUAL	120/277 VOLT 0-10V DIM -	LED 3500K CRI +85	SURFACE MTD	-VERIFY FINAL PART NUMBER WITH ARCHITECT -
PA		LED LINEAR PENDANT FIXTURE	ALIGHTS *ACL3-M8-16-L8-35-U-HE-S-W-D-EX-X-X OR APPROVED EQUAL	120/277 VOLT 0-10V DIM -	LED 3500K CRI +85	PENDANT MTD	-VERIFY FINAL PART NUMBER WITH ARCHITECT -
XA		SINGLE FACE EXIT SIGN WITH 6" RED LETTERS CAST ALUMINUM BODY, 90 MINUTE NI-CAD BATTERY BACK UP	LITHONIA *LE-S-W-I-R-ELN DUAL-LITE *BESRUE OR EQUAL BY SURE-LITES	120 VOLT -	L.E.D. -	CEILING/WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -QUICK SHIP REQUIRED -
XE		EMERGENCY BATTERY UNIT WITH DUAL LED HEADS AND 90 MINUTE BATTERY BACKUP	LITHONIA *ELM2-LED COMPASS *CU2-X OR EQUAL BY SURE-LITES	120 VOLT -	TWO (2) LED HEADS	CEILING/WALL	- - -

ELECTRICAL HEAT EQUIPMENT SCHEDULE																
TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	CFM	HEATING CAPACITY	AMPS	VOLT/ PHASE	PANEL	STARTER/ CKT. NO.	FUSED SW/ C/B	FEEDER		DISC. SWT.		CONTROLLED UNITS BY	REMARKS
											CABLE	C	E.C.	M.C.		
RHP-1	QMARK	CWH-3408	ELECTRIC CABINET HEATER	100	4.0 KW	19.2A	208/1	--	--	25A/2P	3 #10 & 1 #10 GRD.	3/4"	✓		INTEGRAL THERMOSTAT	-

DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



PROJECT NUMBER: 11-005	REVISIONS:
PROJECT MANAGER: EK	1
DRAWN BY: SH	2
BASED FOR BID AND PERMIT: 01/04/2018	3
ELECTRICAL SPECIFICATIONS	4



E2.10

GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES AND THE AMERICANS WITH DISABILITIES ACT.
- B. THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADS ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES MUST BE BALANCED UPON COMPLETION OF THE PROJECT TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS GFCI, HACR, SHUNT TRIP UNITS, ETC.) NOR DO THE SCHEDULES IDENTIFY CIRCUIT BREAKERS REQUIRED, (SUCH AS C/B'S FEEDING SURGE PROTECTION UNITS). REFER TO THE REST OF THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.
- C. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.
- D. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.
- E. EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER POSSIBLE.
- F. REFER TO THE PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE. IF THE WORK OF OTHER TRADES CAUSES A LOSS OF CONTINUITY OF THE EXISTING ELECTRICAL DISTRIBUTION, GROUNDING SYSTEM OR CIRCUITRY, IT SHALL BE RECONNECTED OR REPAIRED AT NO ADDITIONAL COST.
- G. FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- H. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY POWER AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- I. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES, INCLUDING F/A AND OTHER SPECIAL SYSTEMS, ELECTRICAL POWER DISTRIBUTION, ETC. REQUIRED SHUTDOWN OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.
- J. LAYOUT IS DIAGNOSTIC AND INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING WORK AND SUBMIT COMPLETE SHOP DRAWINGS AS PER SPECIFICATIONS.
- K. VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR ELECTRICAL SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF WORK. INCLUDE THE NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF WORK. ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
- L. HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE COMPLETED AT NO COST. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- M. REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER ELECTRICAL DEVICES AS REQUIRED) WHERE NECESSARY TO PERFORM WORK. THIS ALSO INCLUDES EXISTING CEILINGS OF PLASTER, DRYWALL, ETC. COORDINATE WORK IN CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DAMAGE AS REQUIRED TO COMPLETELY MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILING AREAS.
- N. REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPE CHASES, SURFACES, FINISHES, ETC. WHICH ARE AFFECTED. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EQUAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- O. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. RELOCATE EXISTING LIGHTING, CONDUIT, EQUIPMENT, ETC., AS NECESSARY FOR NEW INSTALLATIONS.
- P. PROVIDE NEW PANEL DIRECTORIES IN EXISTING MODIFIED PANELBOARDS AND NEW PANELBOARDS TO CORRECTLY IDENTIFY EXISTING AND NEW LOADS. FINAL DIRECTORIES SHALL BE TYPE WRITTEN.

- Q. EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.
- R. PERFORM CUTTING AND PATCHING OF EXISTING FLOOR SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL SYSTEMS.
- S. EXISTING ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, OUTLET BOXES, CONDUIT, ETC.) WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY. REROUTE AND EXTEND EXISTING CIRCUITRY, ELECTRICAL FEEDERS AND GROUNDING SYSTEMS AS REQUIRED TO MAINTAIN CIRCUIT, FEEDER AND GROUNDING SYSTEM INTEGRITY FOR ALL REMAINING DEVICES/EQUIPMENT. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
- T. WHERE NEW CIRCUIT BREAKERS, FUSES AND SWITCHES ARE TO BE ADDED TO EXISTING PANELBOARDS, SWITCHBOARDS, ETC., THEY SHALL BE OF THE SAME MANUFACTURER AND DESIGN AS THE EXISTING BREAKERS OR SWITCHES IF NOT OBSOLETE AND SHALL BE OF THE SIZES AS INDICATED. REARRANGE CIRCUIT BREAKERS WITHIN THE EXISTING EQUIPMENT TO ACCOMMODATE THE NEW CIRCUIT BREAKERS OR SWITCHES. BRANCH CIRCUIT NUMBERS ASSIGNED TO EXISTING PANELBOARDS ARE ARBITRARY AND ARE INTENDED TO INDICATE BRANCH CIRCUIT REQUIREMENTS ONLY. ACTUAL PANEL NUMBER ASSIGNMENTS FOR DESIGNATED BRANCH CIRCUITS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS. PROVIDE ADDITIONAL BUS, BUS EXTENSION, BOLTS AND HARDWARE, ENCLOSURE MODIFICATIONS, DIRECTORY MODIFICATIONS, ETC., AS REQUIRED TO ACCOMPLISH THE WORK.
- U. VERIFY CEILING STYLES/FRAMES AND TYPES BEFORE ORDERING FIXTURES AND CEILING MOUNTED DEVICES. PROVIDE APPROPRIATE STYLES/FRAMES AS REQUIRED TO MATCH CEILING STYLE AND TYPES.
- V. COORDINATE LIGHTING LAYOUTS WITH CEILING REGISTERS, GRILLES, DIFFUSERS, SPRINKLER HEADS AND CEILING GRID (SEE ARCHITECTURAL REFLECTED CEILING PLAN). VERIFY LOCATION WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.
- W. PROVIDE PLENUM RATED LIGHT FIXTURES IN PLENUM CEILING AREAS WHERE REQUIRED BY LOCAL OR NATIONAL CODES.
- X. SOME CEILING SPACES ARE RETURN AIR PLENUMS. EXAMINE PLENUM BEFORE CEILING IS INSTALLED (OR REPLACED) AND SEAL ALL OPENINGS AROUND CONDUIT, CABLE, ETC. PROVIDE PLENUM RATED CABLE (UNLESS IN CONDUIT), DEVICES AND EQUIPMENT PER CODE.
- Y. THE MINIMUM DISTANCE BETWEEN SMOKE OR HEAT DETECTORS AND CEILING MOUNTED SUPPLY DIFFUSERS SHALL BE A MINIMUM OF 4 FEET AND WALL MOUNTED DIFFUSERS SHALL BE 10 FEET.
- Z. WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
- AA. NO RACEWAYS SHALL BE INSTALLED WITHIN 6' OF STEAM, HOT WATER PIPES OR SIMILAR HEAT PRODUCING APPLIANCES.
- BB. PROVIDE FULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
- CC. COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
- DD. WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS.
- EE. IF MORE THAN THREE (3) PHASE (UNGROUND) CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310.
- FF. CONDUIT, LIGHTING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. CONDUITS, ROUTED THROUGH AREAS WITH NO CEILING, SHALL BE ROUTED WITHIN THE WEBBING OF THE JOISTS AND SHALL NOT BE ROUTED BELOW THE BOTTOM CHORD OF THE JOIST.
- GG. SMOKE OR HEAT DETECTORS SHALL BE SURFACE MOUNTED TO CEILING, ROOF DECK MATERIALS, ETC. IN LIEU OF MOUNTING TO BOTTOM CHORD OF ENGINEERED JOIST OR ANY OTHER COMPONENTS NOT AN INTEGRAL PART OF THE HORIZONTAL CEILING.
- HH. VERIFY EXISTING AND NEW MECHANICAL, ELECTRICAL AND FIRE PROTECTION SERVICES PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST NEW WORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING SERVICES AND NEW SERVICES PROVIDED.
- II. PROVIDE NECESSARY ROOFING COMPONENTS COMPATIBLE WITH EXISTING ROOFING SYSTEMS TO PROVIDE A WEATHERTIGHT INSTALLATION FOR THE ROOF PENETRATIONS AND ABANDONED HOLES FROM REMOVED ITEMS. PATCH ROOF OPENINGS FOR REMOVED PIPE PENETRATIONS, WITH RIGID ROOF INSULATION AND ROOF DECK MATERIAL FROM BELOW ROOF TO MATCH EXISTING ADJACENT MATERIALS. PROPERLY STRIP ROOFING MEMBRANE, ETC. AS REQUIRED, TO MATCH EXISTING ROOF SYSTEM WITH PROPER AND COMPATIBLE MATERIALS. PROVIDE A COMPLETE AND PROPER WEATHERTIGHT CONDITION.

- JJ. ROOF SUPPORTS FOR CONDUITS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP-10, WITH ROLLER GUIDE SUPPORT FOR SINGLE PIPES AND CHANNEL GUIDE SUPPORT FOR MULTIPLE PIPES. SUPPORTS TO HAVE HIGH DENSITY POLYPROPYLENE PLASTIC BASE WITH THREADED RODS FOR ADJUSTABLE HEIGHT ROLLER. SUPPORTS ARE TO SIT ON TOP OF ROOFING MEMBRANE. SUPPORTS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION AND TO BE COMPATIBLE WITH AND MAINTAIN THE INTEGRITY OF THE EXISTING OR NEW ROOF SYSTEM WHERE CONDUITS AND WIRING ARE RUN IN EXTERIOR LOCATIONS OR EXPOSED TO SUNLIGHT, CONDUCTORS SHALL BE PROPERLY UPSIZED PER NEC 310.
- KK. WIRING DEVICES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8" MINIMUM.
- LL. UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.
- MM. FURNISH AND INSTALL A GREEN GROUND WIRE IN POWER CONDUITS (NOT LIGHTING). ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.
- NN. PROVIDE CONDUIT AND WIRE AND MAKE FINAL POWER CONNECTIONS AS REQUIRED TO EXHAUST FANS AND MISCELLANEOUS EQUIPMENT FURNISHED WITH MOTORIZED BACKDRAFT DAMPERS. DAMPERS SHALL BE CONNECTED TO EQUIPMENT 120 VOLT POWER CIRCUIT SO AS TO INTERLOCK THE MOTORIZED DAMPER WITH THE EXHAUST FAN. FOR THREE PHASE MOTORS, PROVIDE AN ADDITIONAL 120 VOLT CIRCUIT ROUTED THROUGH AN AUXILIARY CONTACT IN THE MOTOR STARTER.
- OO. AT NEW FIRE OR SMOKE/FIRE DAMPER LOCATIONS, WIRE EACH SMOKE/FIRE DAMPER TO NEAREST EMERGENCY PANEL, TO LOCAL ACTIVATION SMOKE DETECTORS ON EITHER SIDE OF THE DAMPER (WITHIN 3'-0") AND ALSO WIRE THE SAME TO THE FIRE ALARM CONTROL PANEL AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR LOCATIONS WHERE DUCTS PASS THROUGH SMOKE OR FIRE BARRIERS.
- PP. MODIFY EXISTING FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS AND SPECIFICATIONS AND AS REQUIRED FOR A COMPLETE, CODE COMPLIANT INSTALLATION. PROVIDE ADDITIONAL PARTS, ACCESSORIES AND CABLES AS REQUIRED TO COMPLETE THE WORK. FURNISH AND INSTALL INTERFACE WIRING INTEGRAL TO THE FIRE ALARM SYSTEM AS WELL AS INTERFACE TO NEW ELEVATOR CONTROL PANEL, BUILDING AUTOMATION SYSTEM, ETC. FOR A COMPLETE AND OPERATING INSTALLATION. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE FIRE ALARM POWER SUPPLY AND BATTERIES OF THE SYSTEM AND SHALL NOT BE CONNECTED TO NORMAL POWER. QUESTIONS REGARDING THE REQUIREMENTS OF THE FIRE ALARM SYSTEM OR THE INTENT OF THE CODE SHALL BE DIRECTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BID.
- QQ. CONDUIT INSTALLED FOR LOW VOLTAGE SYSTEMS SHALL BE COORDINATED WITH THE LOW VOLTAGE INSTALLER IN FIELD, PRIOR TO ROUGH-IN. SUCH CONDUIT SHALL BE ROUTED TO MINIMIZE CABLE LENGTH AND COMPLY WITH LOW VOLTAGE CABLING DISTANCE LIMITATIONS.
- RR. THE FLASH RATES FOR FIRE ALARM STROBES SHALL BE SYNCHRONIZED, COORDINATE ADDITIONAL REQUIREMENTS WITH NFPA 12.
- SS. REWORK EXISTING ELECTRICAL FEEDERS, CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED FOR INSTALLATION OF NEW STRUCTURAL COMPONENTS REQUIRED TO SUPPORT NEW ROOF MOUNTED EQUIPMENT. FURNISH AND INSTALL ALL CONDUIT, WIRING AND SPICE BOXES TO MAINTAIN CONTINUITY.
- TT. SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED), WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS. THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310. AS SUCH, MULTIPLE BRANCH CIRCUIT HOME RUNS SHALL, AT A MINIMUM, UTILIZE #10 AWG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN. COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NEC 2008.
- UU. PRIOR TO THE START OF WORK AND THE ORDERING OF EQUIPMENT, CONTRACTOR SHALL CAREFULLY MEASURE AND VERIFY THE VOLTAGE, PHASE AND WIRING CONFIGURATION OF EXISTING PANELS AND EXISTING GEAR THAT ARE PART OF WORK AND SHALL CAREFULLY VERIFY THAT ALL ELECTRICAL CONNECTIONS, GEAR AND EQUIPMENT HAVE BEEN CAREFULLY COORDINATED TO ELIMINATE CONFLICTS. COORDINATE WITH OTHER TRADES AS REQUIRED TO ELIMINATE ELECTRICAL CONFLICTS PRIOR TO START OF WORK.
- VV. CAREFULLY VERIFY COLOR TEMPERATURES OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

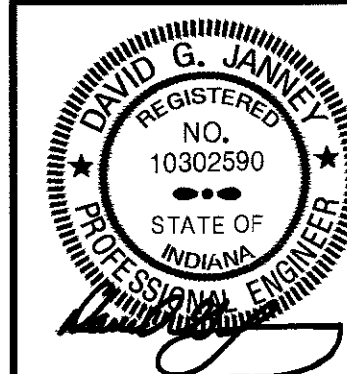


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DUNELAND SCHOOL CORPORATION
2018 RENOVATIONS AT:
BAILLY ELEMENTARY SCHOOL
800 S. 5TH STREET CHESTERTON, INDIANA 46304



REVISIONS:
PROJECT NUMBER: 11-045
PROJECT MANAGER: EK
DRAWN BY: SH
ISSUED FOR BID AND PERMIT: 01/14/2018
ELECTRICAL SPECIFICATIONS



E2.20

PANEL PP-1													
TOTAL KW: 12.5		ENCLOSURE: NEMA-1				PHASE: 3Ø				VOLTAGE: 120 / 208			
MOUNTING: SURFACE		BUSING: COPPER				FAULT CURRENT RATING: 22000 AIC				MLO(AMPS): 100			
FEEDER: 4 #2 41 #8 GRD. - 1 1/2" C.						LOCATION:							
LOAD DESCRIPTION	C/B		LOAD			CCT. NO.	LOAD			C/B		LOAD DESCRIPTION	
	TRIP	POLE	A*	B*	C*		A*	B*	C*	TRIP	POLE		
RECEPTS	20	1	800			1	2	800			20	1	IFAD POWER
RECEPTS	20	1		800		3	4		1000		20	1	AVD/TV
JV-1	20	1			1000	5	6			600	20	1	KG RECEPTS
JV-1	20	1	1000			7	8	800			20	1	KG RECEPTS
SHADE	20	1		400		9	10		500		20	1	CART TV
AVD/TV	20	1			1000	11	12			600	20	1	KINDERGARTEN RECS
ART ROOM	20	1	400			13	14	1000			20	1	ART RECEPTLES
STORAGE	20	1		600		15	16				20	1	SPARE
GEF-1	20	1			696	17	18				20	1	SPARE
SPACE						19	20				20	1	SPARE
TEF-1	20	1		528		21	22				20	1	SPARE
SPACE						23	24				20	1	SPARE
SPACE						25	26				20	1	SPARE
SPACE						27	28				20	1	SPARE
SPACE						29	30				20	1	SPARE
SPACE						31	32				20	1	SPARE
SPACE						33	34				20	1	SPARE
SPACE						35	36				20	1	SPARE
SPACE						37	38				20	1	SPARE
SPACE						39	40				20	1	SPARE
SPACE						41	42				20	1	SPARE
			2200	2328	2636			2600	1500	1200			
NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION													
												A= 4,800	
												B= 3,828	
												C= 3,896	
												TOTAL= 12,524	

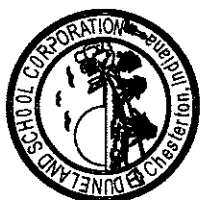
SYMBOL LIST	
* NOTE: FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH 'ADA' STANDARDS.	
FIRE ALARM SYSTEM SMOKE DETECTOR - CEILING MOUNTED - ABOVE FACP	
ELECTROMAGNETIC WALL MOUNTED DOOR HOLDER OR WIRE HARDWARE INSTALLED DOOR CLOSER COMPLETE AS REQUIRED. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING STYLE WITH DOOR SCHEDULE PRIOR TO ROUGHING IN FOR SAME.	
FIRE ALARM FULL STATION MTD 42" AFF.	
FIRE ALARM AUDIO/VISUAL DEVICE MTD. 80" AF. OR 6' BELOW FINISHED CEILING WHICHEVER IS LOWER.	
FIRE ALARM STROBE ONLY MTD 80" AFF. - 15 CANDELA	
FIRE ALARM STROBE ONLY MTD 80" AFF.	
INTERCOM PRIVACY CALL-IN SWITCH - PROVIDE BUILDING STANDARD DEVICE AND CABLEING BACK TO SYSTEM HEAD END, COMPLETE AS REQUIRED.	
DUPLEX DATA OUTLET - WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING - MOUNTED 18" AFF. WHEN MOUNTED ADJACENT TO AN ELECTRICAL RECEPTACLE OR AS NOTED. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK TO NEAREST IDF OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.	
DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - LOCATED ABOVE ACCESSIBLE CEILING SPACE AND 6' ABOVE THE GRID OR TIGHT TO THE ROOF DECK WHERE NO CEILING EXIST. PROVIDE 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST MDF OR IDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 CAT-6 JACK. TEST AND LEAVE 10' SLACK LENGTH.	
FURNISH AND INSTALL WALL SWITCH SINGLE BUTTON DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL ON OPERATION. MANUFACTURERS: SENSORSWITCH 40SX-PDT OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.	
GENERAL PURPOSE 1-POLE SWITCH - (TYPICAL - MOUNTED 42" AFF.) (HUBBELL #221 OR EQUAL)	
MANUAL STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION	
CEILING SPEAKERS - WITH AIR PLENUM BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT IN SURFACE BOX WHERE NO CEILING EXIST. PROVIDE BUILDING STANDARD DEVICE WITH CABLEING BACK TO INTERCOM HEAD END FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.	
WALL MOUNTED CLOCK UNIT MOUNTED 1'-0" AFF. (OR AS OTHERWISE NOTED). PROVIDE 4" CLOCK WHERE INDICATED WITH A 4" IS ADJACENT TO THE DEVICE. PROVIDE BACK BOX WITH 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE BUILDING STANDARD DEVICE WITH CABLEING AND INTERFACES BACK TO HEAD END FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.	
TEACHER PANEL WITH TWO (2) DUPLEX RECEPTACLES AND SEPARATE 4-GANG BACK BOX WITH TWO (3) 1/2" CONDUITS STUBBED INTO THE ACCESSIBLE CORRIDOR CEILING SPACE WITH INSULATED BUSHING. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL ELEVATIONS.	
FLUSH IN WALL 'TV' PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH THREE (3) 1/2" CONDUITS STUBBED TO ACCESSIBLE CORRIDOR CEILING SPACE WITH INSULATED BUSHING. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL ELEVATIONS.	
FURNISH AND INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK. MANUFACTURERS: SENSORSWITCH 40M-PDT-10 (WITH MICROPHONICS) OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.	
SWITCH W/ PILOT LIGHT HANDLE MTD. 42" AFF	
120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" AFF. OR AS NOTED) (HUBBELL #5362 OR EQUAL).	
120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" AFF. OR 2' ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)	
120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH GFI. PROTECTION - (MOUNTED 18" AFF. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)	
120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH GFI. PROTECTION (MOUNTED 42" AFF. OR 2' ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #GF20 OR EQUAL)	
120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED AT SPECIAL HEIGHT - COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL)	
WIREMOLD #4000 RACEWAY VERTICAL RISER	
EXISTING CEILING MOUNTED PROJECTOR	
JUNCTION BOX - SIZE AND TYPE AS REQUIRED.	
FLEX CONDUIT CONNECTION	
EXISTING HAND DRYER	
CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR	
WIRE MOLD SURFACE RACEWAY COMPLETE WITH ALL ACCESSORIES	
HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE	
ELLIPSE TAG REFERENCE TO SHEET NOTES	
TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLEING.	
ELECTRIC PANELBOARDS.	
DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER	
EXISTING FAN	
F41 NEW DEVICE AS INDICATED.	
EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.	
EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.	
REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.	
NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.	
GENERAL PURPOSE 0-10V DIMMER SWITCH - COORDINATE EXACT TYPE WITH FIXTURE MANUFACTURER	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																		
TAG	DESCRIPTION	LOAD					MOCP	VOLT	PHASE	PANEL	O.K.T. NO.	FUSED SWITCH C/B	FEEDER		STARTER BY:		LOCATION	REMARKS
		WATTS	HP	MCA	FLA	AMPS							CABLE	C	MC	EC		
UV-1	UNIT VENTILATOR	100	-	5.9	-	-	15	120	1	PP-1	VARIES	20A/1P	2 #2 4 1 #2 GRD	¾"	X	-	-	-
RHP-1	RADIANT HEATING PANEL	100	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
GEF-1	GENERAL EXHAUST FAN	696	1/4	-	-	-	-	120	1	PP-1	#1	20A/1P	2 #2 4 1 #2 GRD	¾"	-	X	-	-
TEF-1	TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	PP-1	#2	20A/1P	2 #2 4 1 #2 GED	¾"	-	X	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

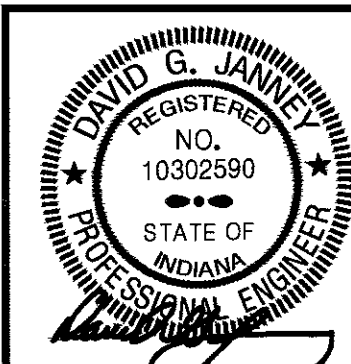


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REVISIONS
PROJECT NUMBER: 11-045
PROJECT MANAGER: EK
DESIGNER: SN
DATE FOR BID AND PERMIT: 09/04/2018
ELECTRICAL SPECIFICATIONS



E2.30