

# Remodel for: Cass District Library

■ Cassopolis, Michigan

## Project Description

Cass District Library  
319 M-62 North  
Cassopolis, MI 49031

- The project consists of: Renovated/reconstructed public restrooms, remodeled Children's Department, remodeled Computer Room, remodeled Staff Lounge, modified Mechanical and Electrical work as further described in the Construction Documents, Drawings, and Details. Total remodeled area of approximately 4,330 S.F.
- All new construction shall be in accordance with all current Federal, State and Local codes.

## Project Team

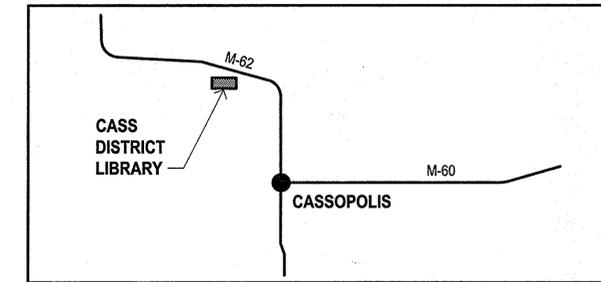
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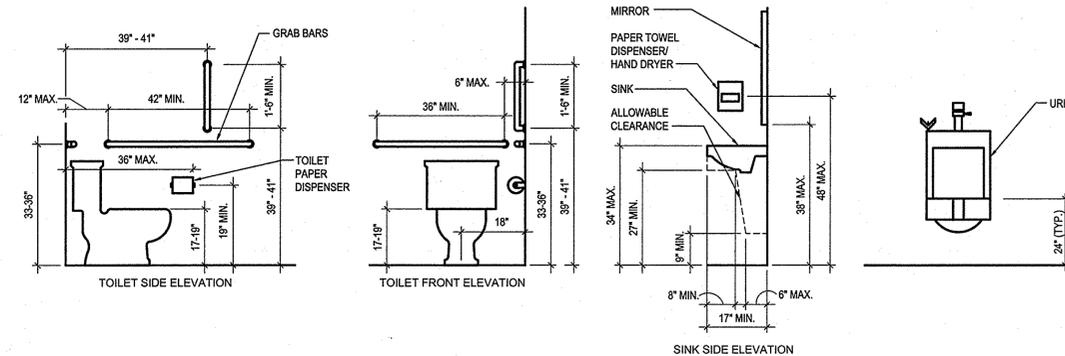
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Location Map  
N.T.S.

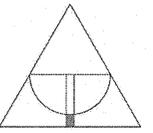


TYPICAL ADA RESTROOM FIXTURE ELEVATIONS



*D. Leedy*

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PROJECT  
Building Remodel for:  
**Cass District Library**  
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DATE  
JULY 20,  
2015

NUMBER REVISIONS  
15004

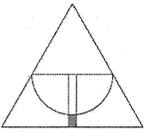
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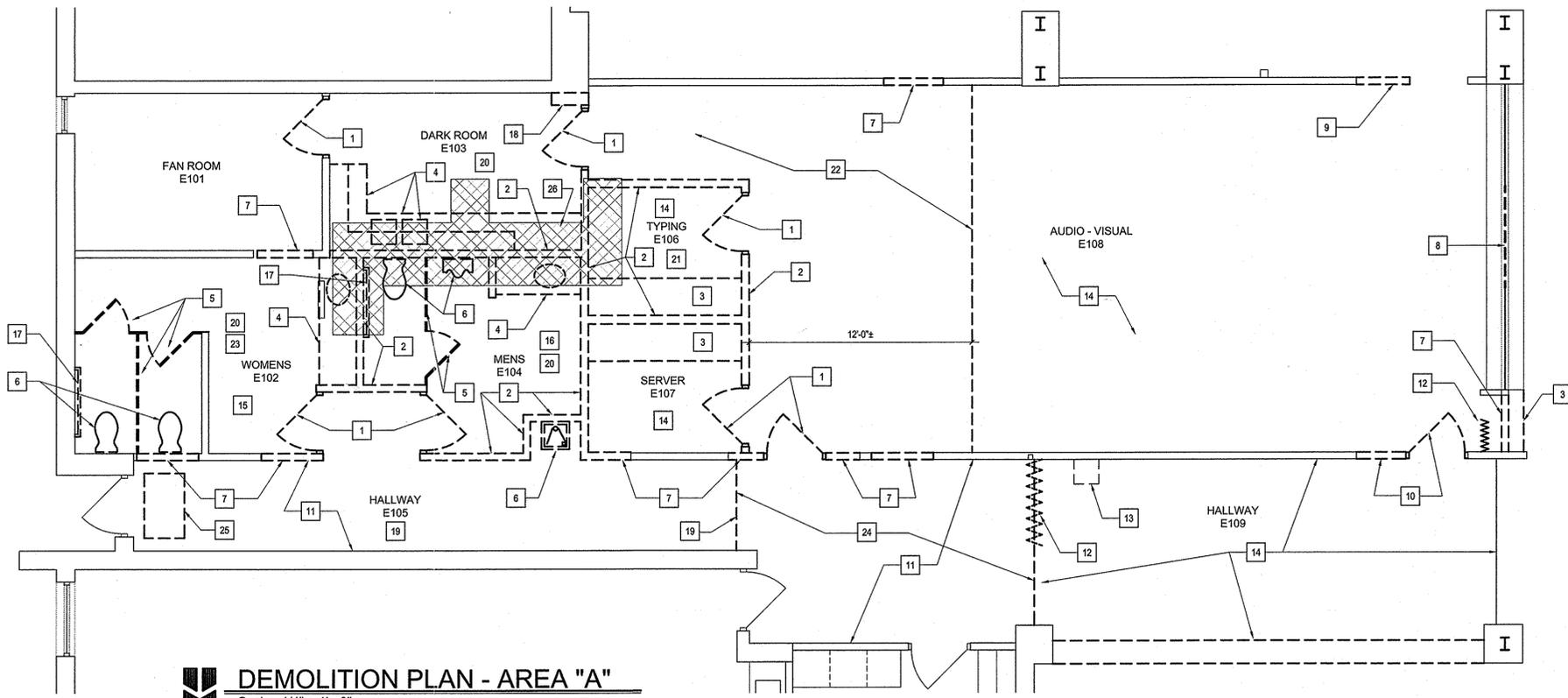


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**DEMOLITION PLAN - AREA "A"**  
Scale: 1/4" = 1' - 0"

**DEMOLITION KEYNOTES - AREA "A"**

- 1 REMOVE EXISTING DOOR AND FRAME
- 2 REMOVE EXISTING WALL IN ITS ENTIRETY
- 3 REMOVE EXISTING CASEWORK
- 4 REMOVE EXISTING CASEWORK AND SINK
- 5 REMOVE EXISTING TOILET PARTITIONS
- 6 REMOVE EXISTING PLUMBING FIXTURES - SEE MECH.
- 7 REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW WORK (SEE FLOOR PLAN)
- 8 REMOVE EXISTING CENTER SECTION OF GLASS BETWEEN JOINTS (APPROX. 68" W. X 63" H.)
- 9 REMOVE PORTION OF EXISTING WALL FOR NEW CASED OPENING (SEE FLOOR PLAN)
- 10 REMOVE EXISTING DOOR, FRAME AND PORTION OF EXISTING WALL FOR NEW CASED OPENING (SEE FLOOR PLAN)
- 11 REMOVE EXISTING WALL COVERING, WOOD CHAIR / PICTURE RAIL, TRIM AND VINYL BASE
- 12 REMOVE EXISTING WOOD ACCORDIAN DOOR INCLUDING TRACK, STOPS, ETC.
- 13 REMOVE PAY TELEPHONE - TURN OVER TO OWNER
- 14 REMOVE EXISTING CARPET AND VINYL BASE
- 15 REMOVE EXISTING CERAMIC TILE FLOORING AND CERAMIC TILE BASE
- 16 REMOVE EXISTING CERAMIC TILE FLOORING AND VINYL BASE
- 17 REMOVE EXISTING GRAB BAR
- 18 REMOVE 4" FACE BRICK AT FRONT OF PILASTER
- 19 REMOVE EXISTING CONCEALED SPLINE CEILING IN HALL E105
- 20 REMOVE EXISTING 2x4 LAY-IN CEILING - WOMEN E102, DARK ROOM E103, MEN E104
- 21 REMOVE EXISTING GYP. BOARD CEILING - TYPING E106, SERVER E107
- 22 REMOVE EXISTING 30x60 LAY-IN CEILING - EAST END OF AUDIO VISUAL E108; SAVE SOME FOR REUSE (SEE SHTS. A-2 AND A-3) TURN OVER REMAINING PANELS TO OWNER
- 23 REMOVE EXISTING VINYL COVERING - WOMENS E102
- 24 REMOVE EXISTING 30x60 LAY-IN CEILING
- 25 REMOVE EXISTING CEILING CABINET HEATER (ALREADY DISCONNECTED)
- 26 G.C. TO SAWCUT & REMOVE CONC. SLAB FOR PLUMBING WORK (SEE SHT. P-1) - VERIFY LOCATION WITH THE ARCHITECT

**GENERAL DEMOLITION NOTES:**

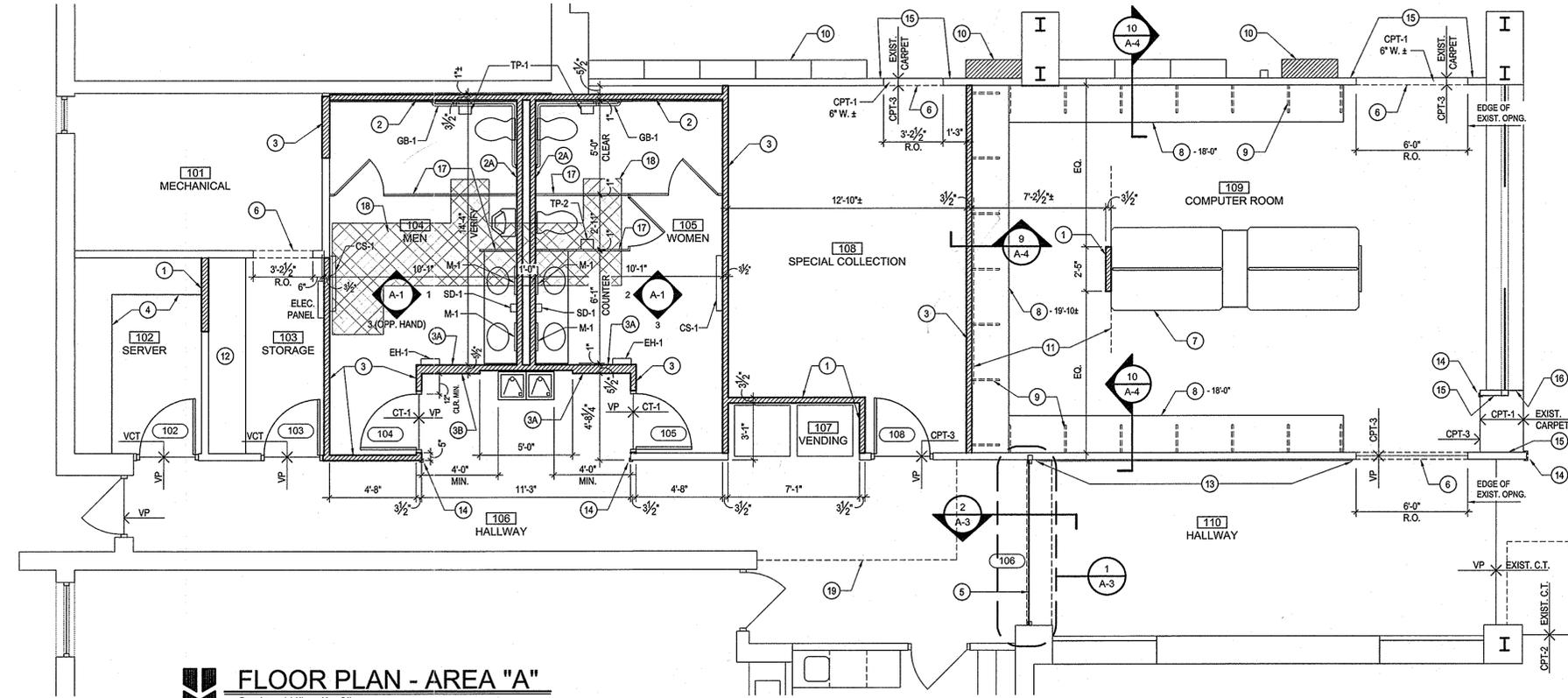
1. G.C. RESPONSIBLE FOR NECESSARY CONCRETE SLAB REMOVAL TO FACILITATE NEW UNDER-FLOOR SANITARY PIPING; COMPACT BACK FILL TO 100% OF STANDARD PROCTOR DRY DENSITY (ASTM D-1557). PROVIDE NEW CONCRETE SLAB INFILL FLUSH WITH EXISTING. SEE PLUMBING PLAN, SHEET P-1.

**NEW CONSTRUCTION KEYNOTES - AREA "A"**

- 1 2X4 STUD WALL WITH 5/8" GYPSUM BOARD EACH SIDE
- 2 2X4 STUD WALL WITH 5/8" GYPSUM BOARD ONE SIDE
- 2A 2X4 STUD WALL WITH 5/8" GYPSUM BOARD ONE SIDE WITH SOUND INSULATION (BACKER BOARD AT CERAMIC TILE IN RESTROOMS)
- 3 2X4 STUD WALL WITH 5/8" GYPSUM BOARD EACH SIDE WITH SOUND INSULATION (BACKER BOARD AT CERAMIC TILE IN RESTROOMS)
- 3A 2X6 STUD WALL WITH 5/8" GYPSUM BOARD EACH SIDE WITH SOUND INSULATION (BACKER BOARD AT CERAMIC TILE IN RESTROOMS)
- 3B 2X4 STUD WALL WITH SOUND INSULATION; RESTROOM SIDE - 5/8" GYPSUM BOARD (BACKER BOARD AT CERAMIC TILE IN RESTROOMS); HALLWAY SIDE - PROVIDE CERAMIC TILE (CT-2) OVER 5/8" BACKER BOARD APPROX. 60" W. x 52" H. W/ 6" COVE BASE & 4" BULLNOSE TOP TRIM
- 4 NEW 24" D. PLASTIC LAMINATE COUNTER (SEE DETAIL 10/A-4)
- 5 NEW ROLLING GRILLE (SEE DETAILS - SHT. A-3 AND SPECIFICATION SECTION 08300)
- 6 NEW CASED OPENING - 7'-0" HIGH
- 7 54" PLASTIC LAMINATE COUNTER - SEE PLAN 6/A-4 (SEE ALTERNATE A-1)
- 8 24" DP. PLASTIC LAMINATE COUNTER - SEE DETAILS 9 & 10/A-4 (SEE ALTERNATE A-1)
- 9 PLASTIC LAMINATE COUNTER BRACKETS @ 30" O.C. - SEE DETAILS 9 & 10/A-4 (SEE ALTERNATE A-1)
- 10 EXISTING WOOD PERIODICAL SHELVING. DISMANTLE TWO 36" WD. SECTIONS FROM (7) SECTION UNIT & RELOCATE WHERE SHOWN. PROVIDE TWO NEW OAK VENEER END PANELS (TO MATCH EXISTING) FOR RELOCATED SECTIONS. COMPLETE WITH MATCHING METAL SLOTTED SHELF STANDARDS. MOVE REMAINING (6) SECTIONS EAST APPROX. 12" TO BRICK PIER.
- 11 LINE UP EDGE OF NEW WALL WITH EXISTING CEILING GRID
- 12 NEW SHELVING (BY OWNER)
- 13 PROVIDE ADHERED TACK PANEL(S) OVER EXIST. GYP. BOARD 48" H. x 17'-0" L. ±; SURROUND W/ 1/2" x 1 1/2" OAK TRIM. SET TOP TRIM IN LINE W/ CASED OPENING (SEE SPECIFICATIONS SECTION 10100)
- 14 CORNER GUARD, CLEAR PLASTIC
- 15 PATCH/REPAIR WALL AS REQUIRED AND REFINISH
- 16 CUT EXISTING PLASTIC LAMINATE COUNTER AND END PANEL. PROVIDE NEW PLASTIC LAMINATE AND/OR WOOD TRIM TO PROVIDE FINISHED CLOSURE
- 17 SOLID PLASTIC TOILET COMPARTMENTS (SEE SPECIFICATIONS SECTION 10160)
- 18 PROVIDE NEW 4" CONC. SLAB THIS AREA (SEE SHT. P-1)
- 19 PROVIDE TEMPORARY PARTITION - COORDINATE WITH ARCHITECT AND OWNER

**GENERAL NOTES:**

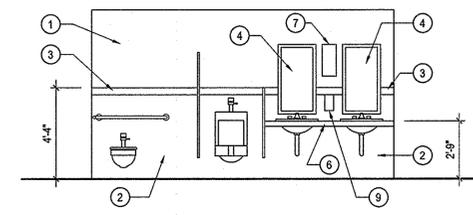
- A. G.C. RESPONSIBLE FOR VERIFYING EXISTING OVERALL DIMENSIONS; NOTIFY ARCHITECT OF DISCREPANCIES
- B. DIMENSIONS SHOWN ARE, UNLESS NOTED OTHERWISE, 1. TO FACE OF MASONRY 2. TO FACE OF STUD AT FRAME WALLS 3. TO FACE OF WALL FINISH AT EXISTING WALLS
- C. TYPICAL WALL CONSTRUCTION: 1. INTERIOR WALLS (U.N.O.): a. 2X4 WOOD STUD AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE (TYPICAL); 2X6 WOOD STUD WHERE SHOWN b. SOUND INSULATION - FULL HEIGHT (TYPICAL U.N.O.)
- D. UNLESS NOTED OTHERWISE, ALL INSULATED INTERIOR PARTITIONS AND INSULATION SHALL EXTEND TO ROOF DECK FRAMING
- E. WALL HATCH INDICATES NEW CONSTRUCTION
- F. FINISH MATERIAL AT INTERIOR PARTITIONS MAY TERMINATE AT THE CEILING (3" ABOVE THE CEILING WHEN ACOUSTICAL LAY-IN)
- G. PROVIDE ADEQUATE BLOCKING WHERE REQUIRED FOR ANCHORAGE OF SHELVING, GRAB BARS, HANDRAIL, COUNTERTOPS, SINK, ETC.
- H. ALL SIGNAGE TO BE FURNISHED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE
- I. ALL DRYWALL TO RECEIVE ASTM LEVEL 4 FINISH
- J. TYPICAL AT INTERSECTION OF NEW TO EXISTING CONSTRUCTION: 1. GYP. BOARD TO GYP. BOARD - TAPE AND FINISH 2. GYP. BOARD TO PLASTER - L BEAD AND CAULK JOINT 3. GYP. BOARD TO MASONRY - L BEAD AND CAULK JOINT
- K. ALL PLASTIC LAMINATE COUNTERS AND SUPPORTS IN COMPUTER RM. 109 (INCLUDING THE ISLAND) TO BE BID AS ALTERNATE A-1
- L. SEE SPECIFICATIONS FOR TOILET ACCESSORIES (SECTION 10810)



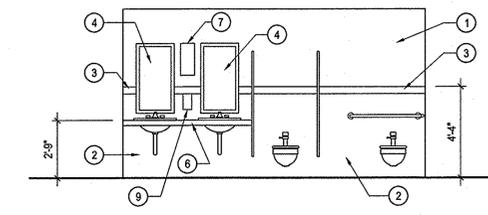
**FLOOR PLAN - AREA "A"**  
Scale: 1/4" = 1' - 0"

**RESTROOM INTERIOR ELEVATION KEYNOTES:**

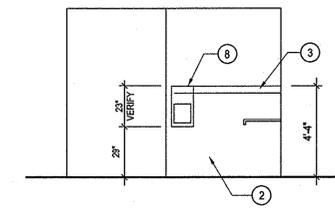
- 1 GYP. BOARD - PAINT
- 2 CERAMIC TILE
- 3 CERAMIC TILE - EDGE TRIM
- 4 MIRROR W/ 1/2" x 1 1/2" OAK FRAME; (2) 18" x 36" (MIRROR SIZE); FIT TILE AROUND MIRROR FRAME
- 5 NOT USED
- 6 PLASTIC LAMINATE COUNTER, 21" D. (VERIFY) W/ 3" FRONT
- 7 LIGHT FIXTURE - SEE ELEC.
- 8 ELECTRIC HAND DRYER
- 9 SOAP DISPENSER (BY OWNER)



**1 INTERIOR ELEVATION - MEN #104**  
Scale: 1/4" = 1' - 0"

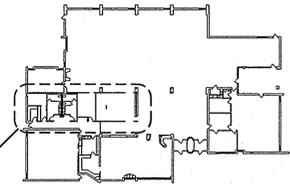


**2 INTERIOR ELEVATION - WOMEN #105**  
Scale: 1/4" = 1' - 0"



**3 INTERIOR ELEVATION**  
Scale: 1/4" = 1' - 0"

AREA "A"



**KEY PLAN**  
Scale: NTS

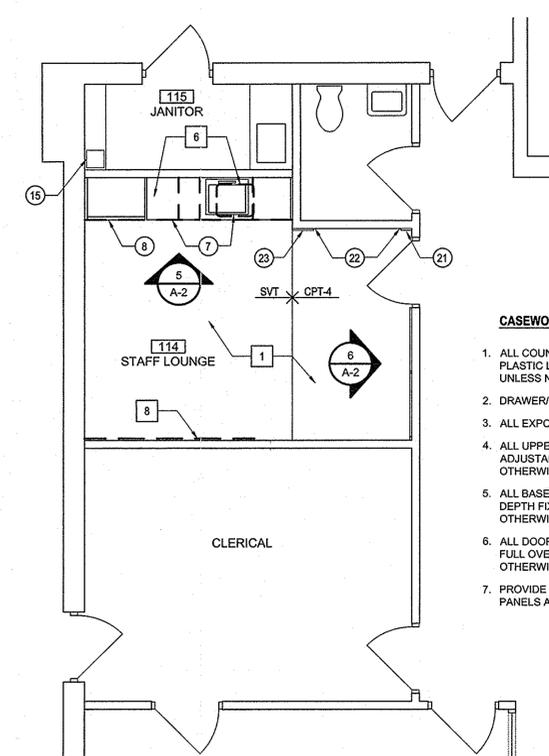
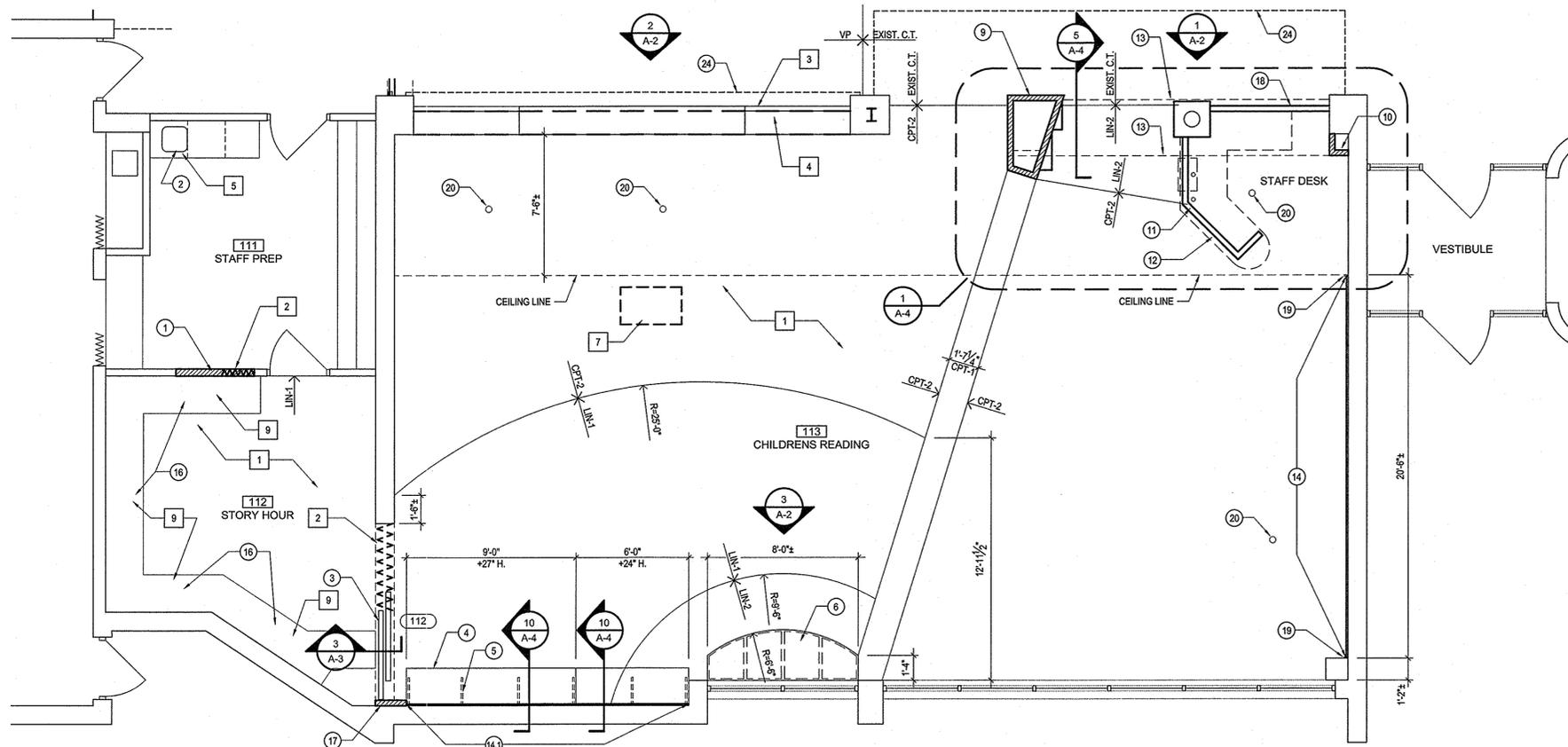
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SHEET **A-1**

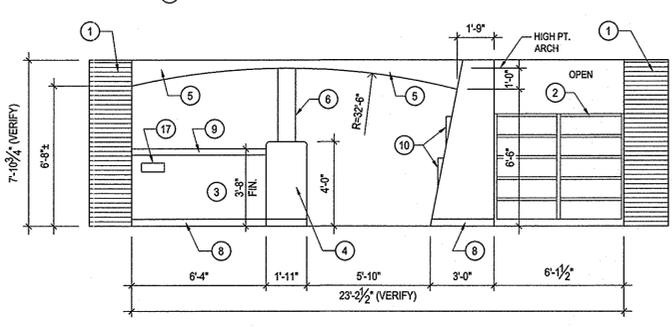
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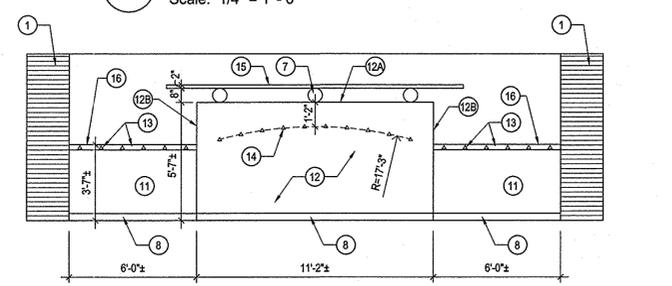
**FLOOR PLAN - AREA "C"**  
Scale: 1/4" = 1' - 0"

- CASEWORK NOTES:**
1. ALL COUNTERTOPS TO BE 24" (NOM.) DEEP PLASTIC LAMINATE WITH 4" BACKSPASHES UNLESS NOTED OTHERWISE.
  2. DRAWER/DOORS TO RECEIVE 4" WIRE PULLS.
  3. ALL EXPOSED SURFACES TO BE FINISHED.
  4. ALL UPPER CABINETS TO HAVE ONE (1) ADJUSTABLE SHELF UNLESS NOTED OTHERWISE.
  5. ALL BASE CABINETS TO HAVE ONE (1) FULL DEPTH FIXED SHELF UNLESS NOTED OTHERWISE.
  6. ALL DOORS AND DRAWER FRONTS TO BE FULL OVERLAY, FLUSH UNLESS NOTED OTHERWISE.
  7. PROVIDE END PLASTIC LAMINATE FILLER PANELS AS REQUIRED.

**FLOOR PLAN - AREA "B"**  
Scale: 1/4" = 1' - 0"



**1 INTERIOR ELEVATION**  
Scale: 1/4" = 1' - 0"



**2 INTERIOR ELEVATION**  
Scale: 1/4" = 1' - 0"

**INTERIOR ELEVATION KEYNOTES:**

- 1 EXISTING BRICK PIER
- 2 BACK TO BACK SHELVING - BY OWNER
- 3 SHEET LINOLEUM ADHERED TO 1/2" PLYWOOD OVER 2X4 FRAME WALL - TYP. EACH SIDE
- 4 1/2" GYP. BOARD ALL SIDES AND TOP OVER 2X4 WOOD FRAMING. PROVIDE BULLNOSE CORNERS - EACH CORNER AND AROUND TOP.
- 5 1/2" GYP. BOARD OVER 1/2" PLYWOOD AND 2X4 WOOD FRAMING
- 6 10" GFRG TWO-PIECE COLUMN (SEE SPECIFICATIONS SECTION 10990)
- 7 FIBERGLASS SPHERE - 8" DIA. (SEE SPECIFICATIONS SECTION 10990)
- 8 4" RUBBER BASE
- 9 1X WOOD CAP AND 1X4 WOOD TRIM (EACH SIDE) - PAINT
- 10 PLASTIC LAMINATE FACED OPEN DISPLAY BOXES
- 11 LINOLEUM OVER 1/2" PARTICLE BOARD SECURED TO BACK OF STEEL SHELVING - PAINT PARTICLE BOARD
- 12 2" PLASTIC LAMINATE PANELS; FINISH BOTH SIDES; SECURE TO BACK OF 66" HIGH STEEL SHELVING (BY OWNER)
- 12A TOP - 1" THICK x 14" x 11'-2" L.
- 12B SIDE PANELS - 1" THICK x 14" x 67" HIGH
- 13 REUSE EXISTING 3/4" x 3 TRIM AND HOOKS
- 14 REUSE EXISTING HOOKS (10)
- 15 2" x 16" x 168" PLASTIC LAMINATE TOP; SECURE TO SPHERES
- 16 1" x 16" x 72" PLASTIC LAMINATE TOP
- 17 THROUGH WALL BOOK SLOT (SEE SPECIFICATIONS SECTION 10990); MOUNT AT 36" TO TOP

**DEMOLITION KEYNOTES - AREAS "B" & "C"**

- 1 REMOVE EXISTING CARPET AND VINYL WALL BASE
- 2 REMOVE EXISTING WOOD ACCORDIAN DOOR INCLUDING TRACK, STOPS, ETC.; PATCH WALL AS NECESSARY
- 3 REMOVE EXISTING SHELVING BACK PANEL 42" H. x 23'-0" L.
- 4 REMOVE EXISTING SHELVING TOP 15" D. x 23'-0" L.
- 5 REMOVE EXISTING DRAWER (6" x 24") AND REPLACE WITH FIXED PANEL (SEE PLUMBING PLANS - SHT. P-1)
- 6 REMOVE EXISTING COUNTER, CASEWORK, SINK, AND STOVE
- 7 REPLACE EXISTING SLOPED CEILING PANEL WITH MATCHING PANEL FROM CEILING DEMO - EAST END AV E108
- 8 REMOVE EXISTING CHAIR RAIL; PATCH WALL AS REQUIRED
- 9 REMOVE EXISTING CARPET FROM BENCH SEATS, REMOVE ADHESIVE AND PREP AS REQUIRED FOR INSTALLATION OF NEW CARPET

**NEW CONSTRUCTION KEYNOTES - AREAS "B" & "C"**

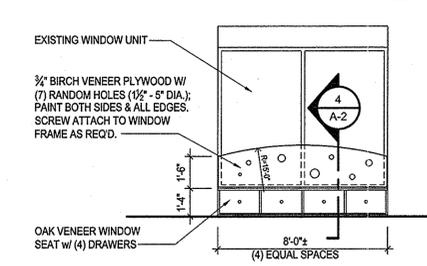
- 1 INFILL OPENING TO MATCH EXISTING CONSTRUCTION AND FINISHES
- 2 INSTALL NEW SINK IN EXISTING COUNTER (SEE PLUMBING PLANS, SHT. P-1)
- 3 INSTALL NEW SLIDING FIBERGLASS DOORS (SEE DOOR SCHEDULE AND DETAILS - SHT. A-3) EAST DOOR FIXED, WEST DOOR SLIDING
- 4 24" DP. PLASTIC LAMINATE COUNTER (SEE DETAILS 9 & 10A-4) WEST COUNTER AT 24" H., EAST COUNTER AT 27" H.; PROVIDE 6" H. (FROM 24" H. COUNTER) PLASTIC LAMINATE BACKSPASH
- 5 PLASTIC LAMINATE COUNTER BRACKETS @ 36" O.C. (SEE DETAILS 9 & 10A-4)
- 6 NEW WINDOW SEAT WITH (4) ROLL OUT DRAWERS (SEE DETAILS 3 & 4A-2)
- 7 NEW SINK, PLASTIC LAMINATE COUNTER & PLASTIC LAMINATE CABINETS (SEE ELEVATION THIS SHEET)
- 8 NEW REFRIGERATOR WITH ICE/WATER DISPENSER - BY OWNER (SEE PLUMBING PLANS, SHTS. P-1 & P-2)
- 9 2X4 WOOD FRAMING FINISHED WITH 1/2" GYP. BOARD EXTERIOR SIDE ONLY (SEE SHT. A-4 FOR DETAILS)
- 10 2X4 STUD WALL WITH 1/2" GYPSUM BOARD ONE SIDE
- 11 28 1/2" H. 2X4 WALL BELOW COUNTER (SEE SHT. A-4 FOR DETAILS)
- 12 PLASTIC LAMINATE COUNTER (SEE SHT. A-4 FOR DETAILS)
- 13 LINE OF SOFFIT ABOVE (SEE SHT. A-4 FOR DETAILS)

**ACoustical WALL COVERING (RUN RIB HORIZ.) @ 6" A.F.F. TO CEILING (9'-0") BEHIND THE ACoustical WALL COVERING PROVIDE 1/2" SHEET CORK TACK MATERIAL ADHERED TO GYPSUM BOARD. INSTALL CORK AND WALL COVERING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION - SEE SPECIFICATION SECTION 09950.**

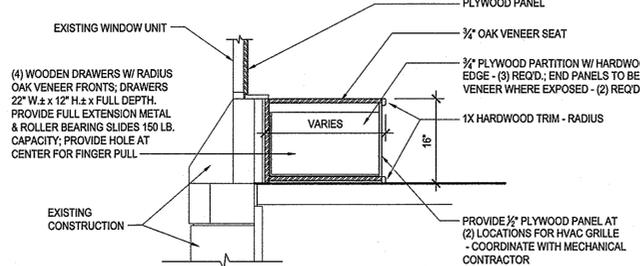
- 14 ACoustical WALL COVERING (RUN RIB HORIZ.) @ 6" A.F.F. TO CEILING (9'-0") BEHIND THE ACoustical WALL COVERING PROVIDE 1/2" SHEET CORK TACK MATERIAL ADHERED TO GYPSUM BOARD. INSTALL CORK AND WALL COVERING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION - SEE SPECIFICATION SECTION 09950.
- 14A ACoustical WALL COVERING (RUN RIB VERTICAL) FROM BACKSPASH TO CEILING (9'-0") - SEE SPECIFICATION SECTION 09950.
- 15 WATER FILTER FOR REFRIGERATOR - BY OWNER (SEE PLUMBING PLANS, SHT. P-2)
- 16 PROVIDE NEW CARPET CPT-1 ON EXISTING BENCH SEATS
- 17 PROVIDE 2X4 FRAME WALL x 1'-8" AGAINST EXISTING WALL. EAST 12" FLOOR TO BULKHEAD, WEST 8" FLOOR TO ABOVE CEILING FOR ELECTRIC FEED. MODIFY CEILING AS REQUIRED.
- 18 43" H. 2X4 FRAME WALL W/ 1/2" PLYWOOD EACH SIDE + SHEET LINOLEUM FINISH
- 19 PROVIDE 1/2" x 1 1/2" OAK TRIM FROM 66" A.F.F. TO CEILING. SECURE TO EXISTING 2X FURRING.
- 20 EXISTING FLOOR RECEPTACLE TO REMAIN. CUT CARPET FOR TIGHT FIT.
- 21 3/4" x 6" PLASTIC LAMINATE TRIM FLOOR TO CEILING
- 22 APPLIED 48" W. SHEET TACK MATERIAL FLOOR TO CEILING - SEE SPECIFICATION SECTION 09950.
- 23 1/2" x 12" PLASTIC LAMINATE TRIM FLOOR TO CEILING ROUTE BACK FOR TELEPHONE CABLE
- 24 PROVIDE TEMPORARY PARTITION - COORDINATE WITH ARCHITECT AND OWNER

**GENERAL NOTES:**

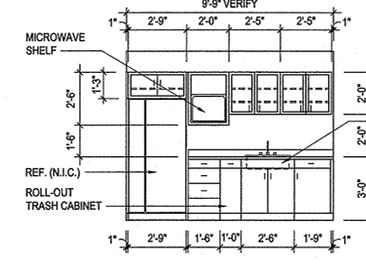
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- TYPICAL WALL CONSTRUCTION: 1. INTERIOR WALLS (U.N.O.): a. 2X4 WOOD STUD AT 16" O.C. WITH 1/2" GYPSUM BOARD EACH SIDE (TYPICAL); 2X8 WOOD STUD WHERE SHOWN b. SOUND INSULATION - FULL HEIGHT (TYPICAL U.N.O.)
- UNLESS NOTED OTHERWISE, ALL INSULATED INTERIOR PARTITIONS AND INSULATION SHALL EXTEND TO ROOF DECK FRAMING
- WALL HATCH INDICATES NEW CONSTRUCTION
- FINISH MATERIAL AT INTERIOR PARTITIONS MAY TERMINATE AT THE CEILING (3" ABOVE THE CEILING WHEN ACoustical LAY-IN)
- PROVIDE ADEQUATE BLOCKING WHERE REQUIRED FOR ANCHORAGE OF SHELVING, GRAB BARS, HANDRAIL, COUNTERTOPS, SINK, ETC.
- ALL SIGNAGE TO BE FURNISHED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE
- ALL DRYWALL TO RECEIVE ASTM LEVEL 4 FINISH
- TYPICAL AT INTERSECTION OF NEW TO EXISTING CONSTRUCTION: 1. GYP. BOARD TO GYP. BOARD - TAPE AND FINISH 2. GYP. BOARD TO PLASTER - L BEAD AND CAULK JOINT 3. GYP. BOARD TO MASONRY - L BEAD AND CAULK JOINT
- ALL PLASTIC LAMINATE COUNTERS AND SUPPORTS IN COMPUTER RM. 109 (INCLUDING THE ISLAND) TO BE BID AS ALTERNATE A-1



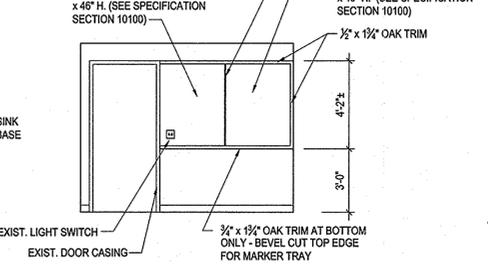
**3 INTERIOR ELEV. AT BENCH SEAT**  
Scale: 1/4" = 1' - 0"



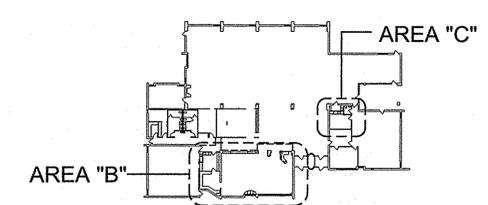
**4 SECTION AT BENCH SEAT**  
Scale: 3/4" = 1' - 0"



**5 INTERIOR ELEVATION AT STAFF LOUNGE**  
Scale: 1/4" = 1' - 0"



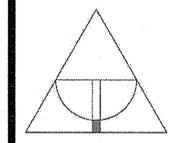
**6 INTERIOR ELEVATION AT STAFF LOUNGE**  
Scale: 1/4" = 1' - 0"



**KEY PLAN**  
Scale: NTS



LEEDYARCHITECTS DESIGN STUDIO



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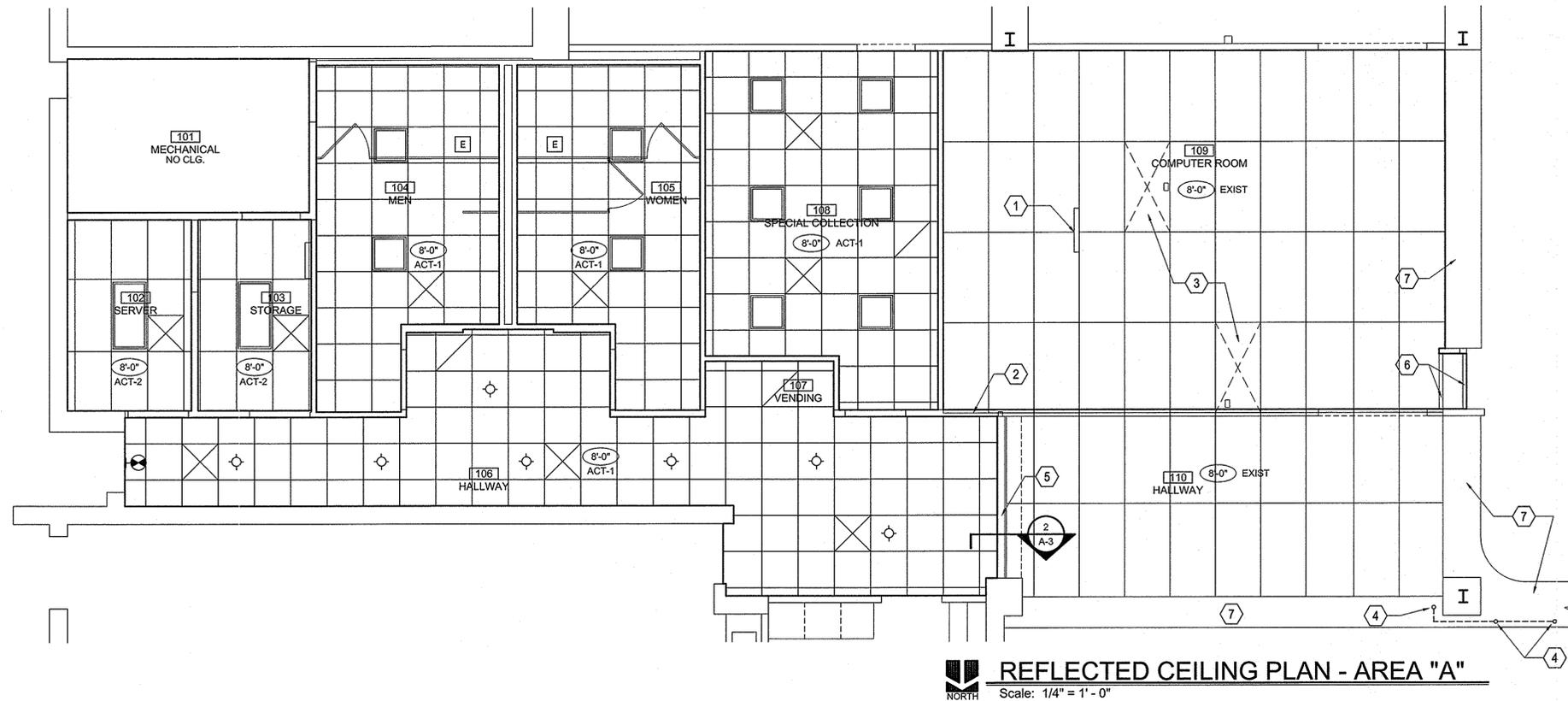
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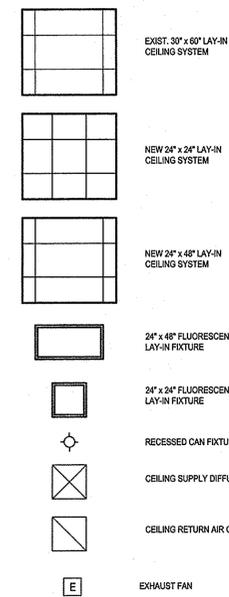
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**REFLECTED CEILING PLAN - AREA "A"**  
Scale: 1/4" = 1' - 0"

**LEGEND**



**CEILING PLAN KEYNOTES:**

- 1 REWORK EXISTING CEILING AROUND NEW FULL-HEIGHT WALL
- 2 PROVIDE TRANSITION AS REQUIRED BETWEEN EXISTING AND NEW CEILING OVER EXISTING WALL
- 3 REPLACE EXISTING FLAT CEILING PANEL W/ MATCHING PANEL FROM CEILING DEMO - EAST END AV E108
- 4 PATCH EXISTING PLASTER & REFINISH AT REMOVED ELEC. RACEWAY & FASTENERS
- 5 4" CEILING SLOT FOR ROLLING GRILLE; PROVIDE CEILING ANGLE EDGE TRIM EACH SIDE (SEE SECTION 2/A-3)
- 6 FINISH UNDERSIDE OF 7'-0" HEAD W/ 1/2" GYPSUM BOARD
- 7 EXISTING PLASTER SOFFIT AT 7'-11"

ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE	WALLS								CEILINGS	CEILING HEIGHT	NOTES	
				NORTH		EAST		SOUTH		WEST					
				MATL.	FINISH	MATL.	FINISH	MATL.	FINISH	MATL.	FINISH				
101	MECHANICAL	EXIST	EXIST									8'-0"			
102	SERVER	VCT	RB	EGB	P-1	EGB	P-1	EGB	P-1	EGB	P-1	ACT-2	8'-0"		
103	STORAGE	VCT	RB	EGB	P-3	EGB	P-3	EGB	P-3	EGB	P-3	ACT-2	8'-0"		
104	MEN	CT-1	CT	GB	P-3	GB	P-3	GB	P-3	GB	P-3	ACT-1	8'-0"	CT-2 WAINSCOT - 52"	
105	WOMEN	CT-1	CT	GB	P-3	GB	P-3	GB	P-3	GB	P-3	ACT-1	8'-0"	CT-2 WAINSCOT - 52"	
106	HALLWAY	VP	RB	EGB	P-1	EGB	P-1	EGB	P-1	EGB	P-1	ACT-1	8'-0"		
107	VENDING	VP	RB			GB	P-1	GB	P-1	GB	P-1	ACT-1	8'-0"		
108	SPECIAL COLLECTION	CPT-1/CPT-3	RB	EGB	P-1	GB	P-1	EGB	P-1	GB	P-1	ACT-1	8'-0"		
109	COMPUTER ROOM	CPT-1/CPT-3	RB	EGB	P-1	GB	P-1	EGB	P-1	EGB	P-1	EXIST	8'-0"	SEE ALTERNATE A-2	
110	HALLWAY	VP	RB			GB	P-1	EGB	P-1			EXIST	8'-0"		
111	STAFF PREP	EXIST	EXIST	EXIST	P-1	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	8'-0"		
112	STORY HOUR	LN-1	RB	EGB	P-1	EGB	P-1	EGB	P-1	EGB	P-1	EXIST	8'-0"	CARPET COVERED BENCH SEATS TO REMAIN	
113	CHILDRENS READING	CPT-1/CPT-2 LN-1/LN-2	RB	EGB	P-1 AWC	EGB	P-1	EGB	P-1	EGB	P-1	AWC P-1	EXIST PLAST. - P-1	8'-0"	ACOUSTICAL WALL COVERING (AWC) - SEE NOTES SHT. A-2 SEE NOTES 2 & 3
114	STAFF LOUNGE	CPT-4/SVT	RB	EGB	P-1	EGB	P-1	EGB	P-3	EGB	P-1	EXIST	8'-0"		

**ROOM FINISH ABBREVIATIONS**

- AWC - ACOUSTICAL WALL COVERING
- EXIST - EXISTING
- EGB - EXISTING GYP. BOARD
- GP - NEW GYP. BOARD
- BB - BACKER BOARD
- CPT-1 - BROADLOOM CARPET
- CPT-2 - MODULAR CARPET
- CPT-3 - BROADLOOM CARPET
- CPT-4 - MODULAR CARPET
- LN - SHEET LINOLEUM
- CT-1 - CERAMIC TILE
- CT-2 - CERAMIC TILE
- VP - VINYL PLANK FLOORING
- SVT - SOLID VINYL TILE
- ACT-1 - ACOUSTICAL CEILING TILE - TYPE 1 (STANDARD 2x2 GRID)
- ACT-2 - ACOUSTICAL CEILING TILE - TYPE 2 (STANDARD 2x4 GRID)
- P-1 - EGGSHELL LATEX PAINT
- P-2 - FLAT LATEX PAINT
- P-3 - SEMI-GLOSS ENAMEL PAINT

**ROOM FINISH NOTES:**

- 1. SEE PLAN DETAIL 1/A-4 FOR NEW CONSTRUCTION. WALL PAINT P-1; SOFFIT PAINT P-2
- 2. PAINT UPPER WALL SURFACES SOUTH END OF EAST & WEST WALLS (APPROX. 8' x 8' EACH) - SEE DETAIL 5/A-4
- 3. PAINT EXISTING UPPER CEILING AND WALL SURFACES SOUTH SIDE CHILDRENS #113. P-1 (SEE DETAIL 5/A-4)

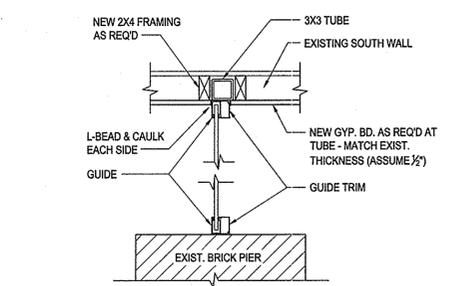
**DOOR & FRAME SCHEDULE**

TYPE	MARK	DOOR			FRAME		HARDWARE		NOTES
		WD	HGT	THK	MATL	GLAZING	SET NO.	DOOR HAND	
A	102	3'-0"	7'-0"	1-3/4"	SCW				
A	103	3'-0"	7'-0"	1-3/4"	SCW				
A	104	3'-0"	7'-0"	1-3/4"	SCW				
A	105	3'-0"	7'-0"	1-3/4"	SCW				
B	106				ALUM				ROLLING GRILLE - SEE DETAILS & SPEC. SECTION 08300
A	108	3'-0"	7'-0"	1-3/4"	SCW				
C	112	4'-10 1/2"	7'-8 1/2"	1-3/4"	FIBERGLASS				SEE DETAILS 3 & 4/A-3 & SPEC. SECTION 08450

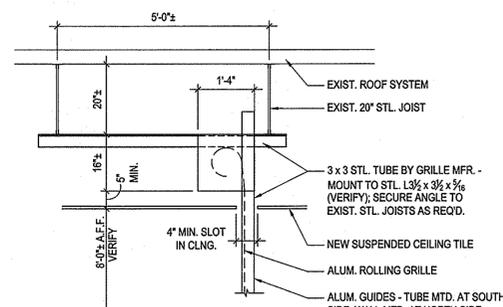
**DOOR & FRAME ABBREVIATIONS**

- WD: WOOD
- SCW: SOLID CORE WOOD
- TEMP: TEMPERED
- ALUM: ALUMINUM

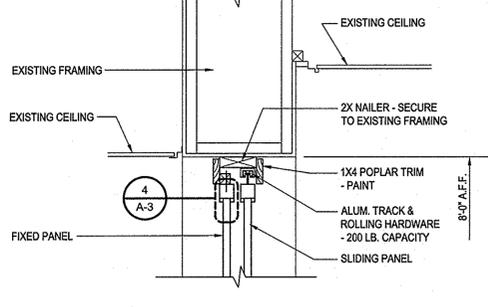
- NOTES:**
- 1. NEW WOOD DOORS AND FRAMES MAY BE PRE-HUNG ASSEMBLIES
  - 2. DOOR FRAMES & CASING OPENINGS TO BE 1" OAK W/ 1/2" x 1 1/2" OAK CASINGS TO MATCH EXISTING



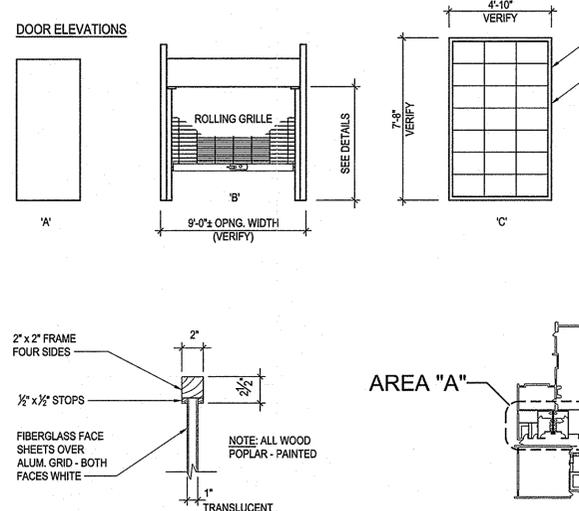
**1 PLAN AT ROLLING GRILLE**  
Scale: 1" = 1' - 0"



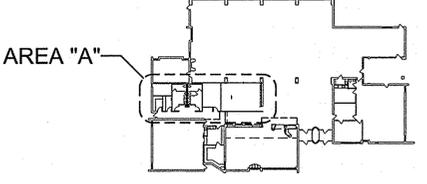
**2 SECTION - ROLLING GRILLE**  
Scale: 1/2" = 1' - 0"



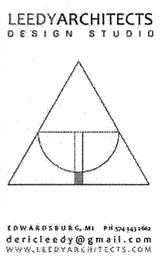
**3 HEAD DETAIL AT DOOR 112**  
Scale: 1" = 1' - 0"



**4 DETAIL - DOOR FRAME**  
Scale: 1 1/2" = 1' - 0"



**KEY PLAN**  
Scale: NTS



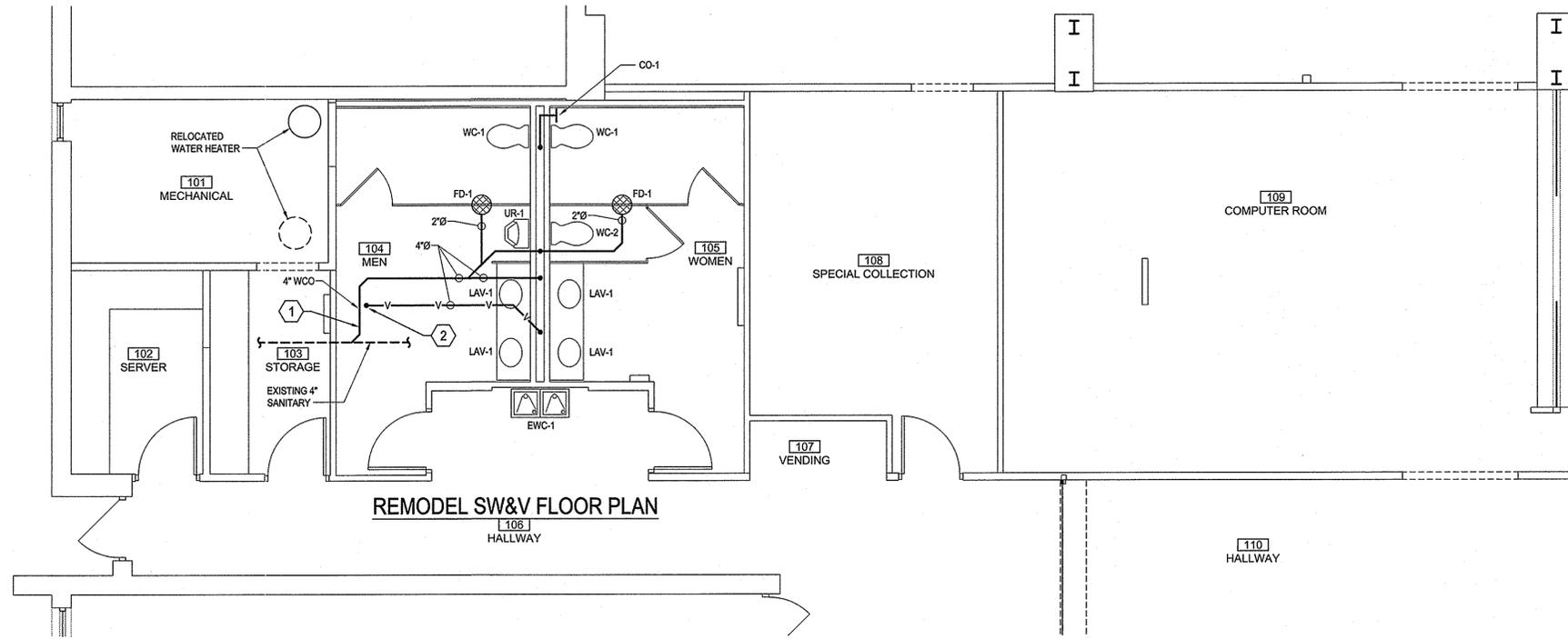
Building Remodel for:  
**Cass District Library**  
 Cassopolis, Michigan

PROJECT DATE: JULY 20, 2015

NUMBER REVISIONS: 15004

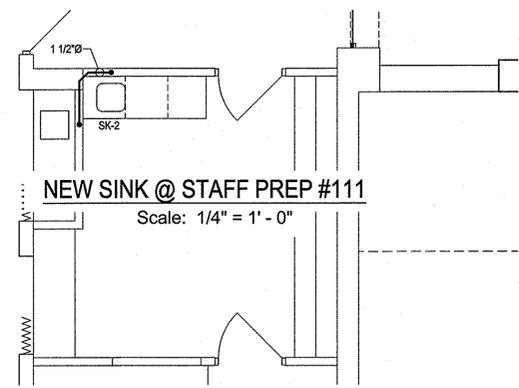
SHEET: A-3



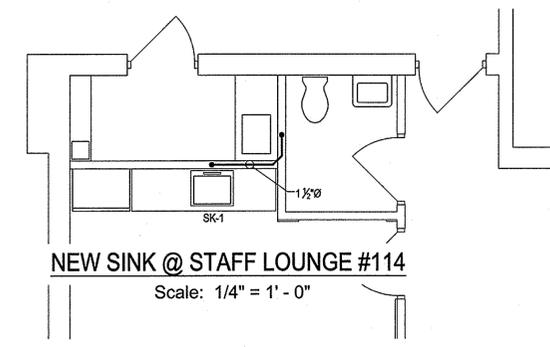


**REMODEL SW&V FLOOR PLAN**  
106 HALLWAY

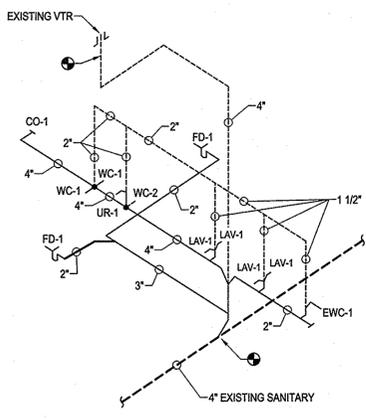
**SANITARY WASTE & VENTING PLAN - AREA "A"**  
Scale: 1/4" = 1' - 0"



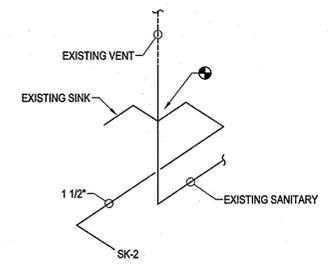
**NEW SINK @ STAFF PREP #111**  
Scale: 1/4" = 1' - 0"



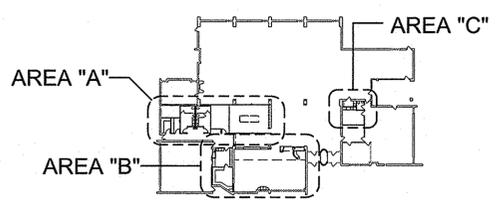
**NEW SINK @ STAFF LOUNGE #114**  
Scale: 1/4" = 1' - 0"



**SW&V ISOMETRIC**  
Scale: NTS



**SW&V @ NEW SK-2**  
Scale: NTS (ROOM #111 SIMILAR)



**KEY PLAN**  
Scale: NTS

- PLUMBING FIXTURES & EQUIPMENT**
- WC-1... AMERICAN STANDARD MODEL #2257-103, WHITE WALL HUNG WATER CLOSET - OLSONITE MODEL #95 WHITE OPEN FRONT SEAT LESS COVER SLOAN #62 8111 OPTIMA FLUSH VALVE & SOLDER KIT-BATTERY OPERATED J.R. SMITH OR EQUAL HORIZONTAL DOUBLE CLOSET CARRIER MOUNT AT HANDICAP HEIGHT
  - WC-2... AMERICAN STANDARD MODEL #2257-103, WHITE WALL HUNG WATER CLOSET - OLSONITE MODEL #95 WHITE OPEN FRONT SEAT LESS COVER SLOAN #62 8111 OPTIMA FLUSH VALVE & SOLDER KIT-BATTERY OPERATED J.R. SMITH OR EQUAL HORIZONTAL SINGLE CLOSET CARRIER
  - LAV-1... AMERICAN STANDARD MODEL #476.028, WHITE VC COUNTERTOP LAVATORY DELTA MODEL #501-WFHDF FAUCET GRID DRAIN WITH OFFSET TAILPIECE 1 1/2" P-TRAP, COMPRESSION ANGLE STOPS, 12" SUPPLIES HANDICAP TRAP-WRAP KIT MOUNT @ HANDICAP LEVEL - SEE SHT. A-1
  - EWC-1... ELKAY MODEL #EZLBC BARRIER FREE TWO-LEVEL WALL MOUNT WATER COOLER, STANDARD COLOR, 1 1/2" P-TRAPS, ANGLE COMPRESSION STOPS, 12" SUPPLIES
  - SK-1... ELKAY MODEL #L-2522-6, SS, SINGLE WELL SINK DELTA MODEL #100 SINK FAUCET W/O SPRAY (2) "SPIN-N-GRIN" STRAINERS, 1 1/2" P-TRAP, CONTINUOUS WASTE, COMPRESSION ANGLE STOPS, 12" SUPPLIES
  - SK-2... ELKAY MODEL #L-1720, SS, 17 X 20 SINK, ELKAY MODEL #LK-2432 HIGH ARC (2) HANDLE FAUCET, ELKAY MODEL #LK-35 STRAINER, 1 1/2" P-TRAP, COMPRESSION ANGLE STOPS, 12" SUPPLIES
  - UR-1... AMERICAN STANDARD MODEL #6501.010 WHITE URINAL SLOAN ROYAL MODEL #188-1 FLUSH VALVE, SWET KIT ZURN OR EQUAL WALL CARRIER MOUNT AT HIC HEIGHT
  - FD-1... J.R. SMITH MODEL #2110Y-NB-S-2"
  - CO-1... J.R. SMITH MODEL #9776T-A27-4" THREADED PLUG WITH SS COVER & SCREW
  - ET-1... BELL GOSSET MODEL #PT-12, 3.2 GALLON, NON-ASME POTABLE EXPANSION TANK
  - F-1... CULLIGAN MODEL #IC-EZ-1-EZ, 3000 GALLON ICEMAKER/DRINKING FOUNTAIN WATER FILTER, CONTRACTOR TO FURNISH OWNER (2) SPARE REPLACEMENT CARTRIDGES MODEL #RC-EZ-1

**PLUMBING CONSTRUCTION KEYNOTES**

- 1 TIE INTO EXISTING 4" SANITARY DRAIN AT THIS POINT, VERIFY ELEVATION IS ADEQUATE TO MAINTAIN 14" FT. FALL
- 2 TIE NEW 4" VENT TO EXISTING VTR SALVAGED IN DEMOLITION PROCESS

**DEMOLITION NOTE**

DURING DEMOLITION OF THE PLUMBING SYSTEM - CONTRACTOR TO PLUG/CAP ALL WASTE & VENT LINES BELOW THE CONCRETE FLOOR AND ABOVE CEILINGS. CAP ALL WATER LINES LIKEWISE.

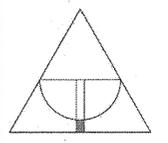
**CONCRETE CUTTING & PATCHING**

1. GENERAL CONTRACTOR TO CUT - REMOVE - REPLACE CONCRETE FLOORS. REINFORCED CONCRETE TO BE REINSTALLED PER ACI 301 & ACI 318
2. PLUMBING CONTRACTOR TO LAYOUT CONCRETE CUT FOR GENERAL CONTRACTOR. PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION AND BACKFILL FOR THE INSTALLATION OF UNDERFLOOR PLUMBING SYSTEMS. COMPACT BACKFILL TO 95% STANDARD PROCTOR PER ASTM D-698. NO CLAY SOIL IS ALLOWED IN BACKFILL MATERIAL.



*D. Leedy*

LEEDYARCHITECTS  
DESIGN STUDIO



EDWARDSBURG, MI PH 248.343.6666  
dericleedy@gmail.com  
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PROJECT  
Building Remodel for:  
**Cass District Library**  
Cassopolis, Michigan

DATE  
JULY 20, 2015

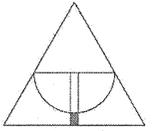
NUMBER REVISIONS  
15004

SHEET  
**P-1**  
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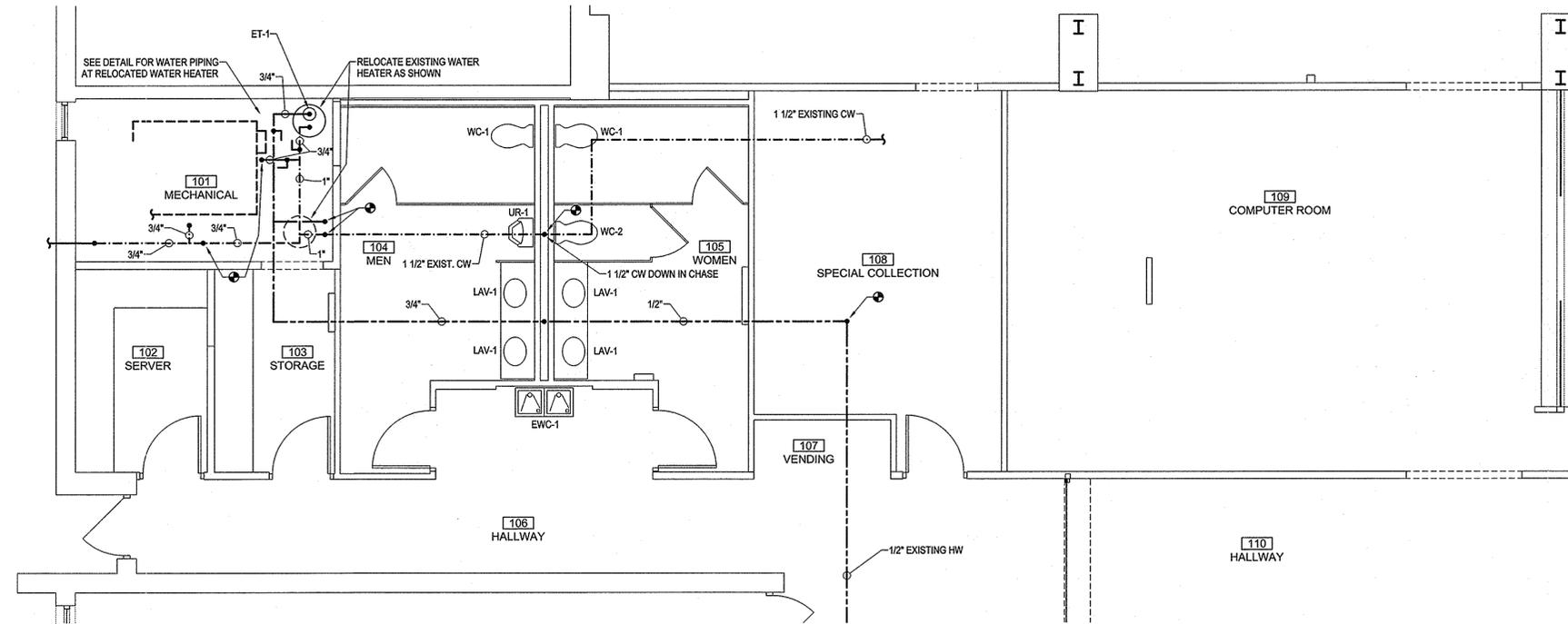


*D. Eric Leedy*

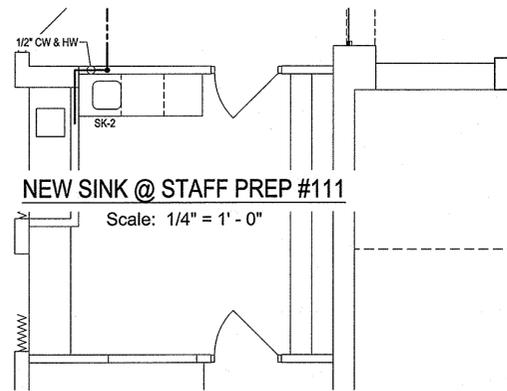
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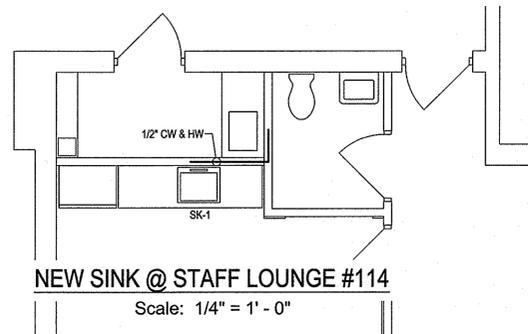
EDWARDS & G.M. PR 248 543 1460  
deric.leedy@gmail.com  
WWW.LEEDYARCHITECTS.COM



**WATER PIPING PLAN - AREA "A"**  
Scale: 1/4" = 1' - 0"



**NEW SINK @ STAFF PREP #111**  
Scale: 1/4" = 1' - 0"



**NEW SINK @ STAFF LOUNGE #114**  
Scale: 1/4" = 1' - 0"

**STANDARD PLUMBING ABBREVIATIONS**

COLD WATER	---	---
SOFT COLD WATER	---SCW---	---SCW---
HOT WATER	---	---
140 DEG. HOT WATER	---	---
HOT WATER RETURN	---	---
UNDERLOOR SANITARY	---	---
OVERHEAD SANITARY	---	---
SANITARY VENT	---	---
UNION	---	---
BACKFLOW PREVENTOR	---	---
PRESSURE REDUCING VALVE	---	---
THREE WAY VALVE	---	---
GLOBE VALVE	---	---
CHECK VALVE	---	---
GATE VALVE	---	---
BALL VALVE	---	---
BUTTERFLY VALVE	---	---
GAS COCK	---	---
GAS	---	---
DENOTES POINT OF CONNECTION OF NEW TO EXISTING	---	---

**PLUMBING GENERAL SPECIFICATIONS**

PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO EXECUTE THE PLUMBING WORK INDICATED ON THE DRAWINGS AND AS REQUIRED BY ALL STATE OF MICHIGAN, CASS COUNTY AND CITY OF CASSOPOLIS CODES AND ORDINANCES, LATEST REVISIONS.

THIS CONTRACTOR SHALL MAKE APPLICATION FOR AND PAY FOR ALL PERMITS, CERTIFICATED OF INSPECTION, AND CALL FOR ALL NECESSARY INSPECTIONS AS REQUIRED BY LOCAL, STATE, FEDERAL AGENCIES, PUBLIC UTILITIES, ETC.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR, BUT NOT LIMITED TO, THE FOLLOWING:

- PLUMBING... DEMOLITION OF SPECIFIED PLUMBING SYSTEMS IN A PROFESSIONAL MANNER
- PIPE, VALVES & FITTINGS
- FURNISHING & INSTALLATION OF FIXTURES AND PLUMBING EQUIPMENT
- RELOCATION OF EXISTING WATER HEATER
- PLUMBING CONNECTIONS TO ALL EQUIPMENT FURNISHED BY OTHERS
- COLD, HOT, RECIRCULATED AND MISC. WATER PIPING
- WATER PIPING INSULATION
- SANITARY DRAIN, WASTE & VENT PIPING
- GAS PIPING

COORDINATE FINAL LOCATIONS OF EQUIPMENT AND ROUGH-INS WITH FIELD MEASUREMENTS, ACTUAL REQUIREMENTS OF THE VARIOUS EQUIPMENT MANUFACTURERS AND WITH OWNERS REQUIREMENTS.

INSTALL EQUIPMENT SO AS TO FACILITATE MAINTENANCE, REPAIR AND REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL, INSTALL EQUIPMENT FOR EASE OF DISCONNECTING AND MINIMAL INTERFERENCE WITH OTHER INSTALLATIONS.

PROVIDE SHUT-OFF VALVES TO EACH FIXTURE SUPPLY LINE.

ALL PIPING SHALL BE CONCEALED IN WALLS, ABOVE CEILINGS, IN UTILITY OR PIPE CHASES, IN CRAWL SPACES, IN TUNNELS, IN EQUIPMENT ROOMS AND THE LINE INSOFAR AS PRACTICAL, AND SO THAT SUCH WORK WILL BE PROPERLY CONCEALED AND DOES NOT INTERFERE WITH THE PROPER COORDINATED INSTALLATION WORK OF OTHER CONTRACTORS.

**MATERIAL SPECIFICATIONS:**

- WATER PIPING--ABOVE GRADE = TYPE "L" COPPER TUBE AND COPPER SWEAT FITTINGS
- WATER PIPING--BELOW GRADE--TYPE "K" SOFT COPPER TUBE
- SW&V PIPING ABOVE GRADE--SCH. 40 PVC-DWV PLASTIC PIPE & FITTINGS
- SW&V PIPING BELOW GRADE--NO-HUB CAST IRON PIPE AND FITTINGS
- GAS PIPING--ABOVE GRADE--SCH. 40 BLACK STEEL PIPE AND BLACK MALLEABLE FITTINGS
- CONDENSATE PIPING = SCH. 40 PVC PRESSURE PIPE & AND FITTINGS

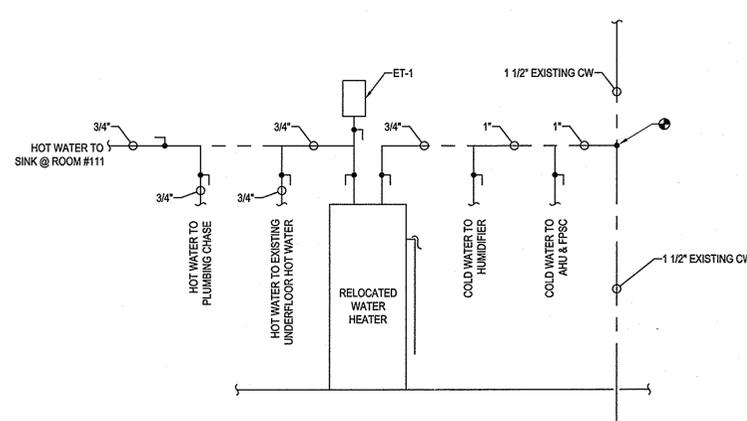
UPON COMPLETION OF EACH PIPING SYSTEM, THE SYSTEM SHALL BE THOROUGHLY CLEANED, TESTED UNDER PRESSURE AND WITNESSED BY THE PROPER AUTHORITY, AS REQUIRED.

PIPING INSULATION FOR ALL NEW PIPING AND PIPING REPAIRS SHALL BE EQUAL TO ARMSTRONG "ARMAFLEX"--1/2 THICKNESS--WITH JOINTS PROPERLY SEALED WITH ADHESIVE.

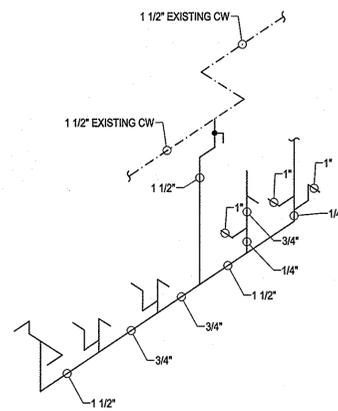
CONTRACTOR SHALL BE HELD RESPONSIBLE FOR A QUALITY INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. GENERAL LAYOUTS, SCHEMATICS AND DETAILS NECESSARY TO PERFORM A COMPLETELY SERVICEABLE JOB (EVEN IF NOT EXPRESSLY SHOWN) SHALL BY THE ACT OF SUBMITTING A BID, BE UNDERSTOOD TO BE A PART OF THIS BID.

**PLUMBING CONSTRUCTION NOTES**

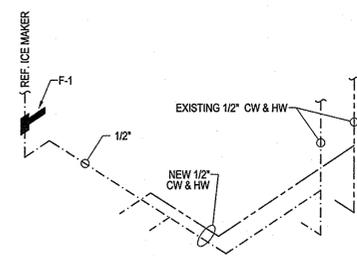
- INSULATE ALL NEW WATER PIPING WITH 1/2" THICK CLOSED CELL INSULATION EQUAL TO "ARMAFLEX" REPAIR ALL DISTURBED EXISTING INSULATION IN THE SAME MANNER.
- WHEN NEW WATER PIPING IS CONNECTED TO EXISTING WATER PIPING OF A DISSIMILAR METAL, DIELECTRIC FITTING CONNECTORS WILL BE REQUIRED.



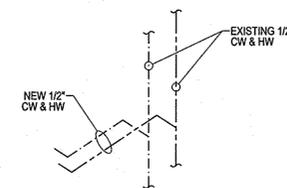
**WATER HEATER PIPING SCHEMATIC**  
Scale: NTS



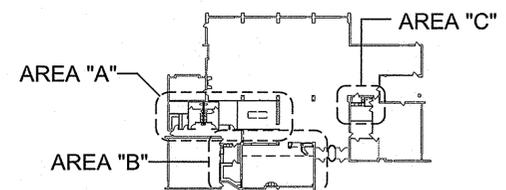
**WATER PIPING ISOMETRIC @ SINK - ROOM #114**  
Scale: NTS



**WATER PIPING ISOMETRIC @ SINK - ROOM #111**  
Scale: NTS



**WATER PIPING ISOMETRIC @ SINK - ROOM #111**  
Scale: NTS



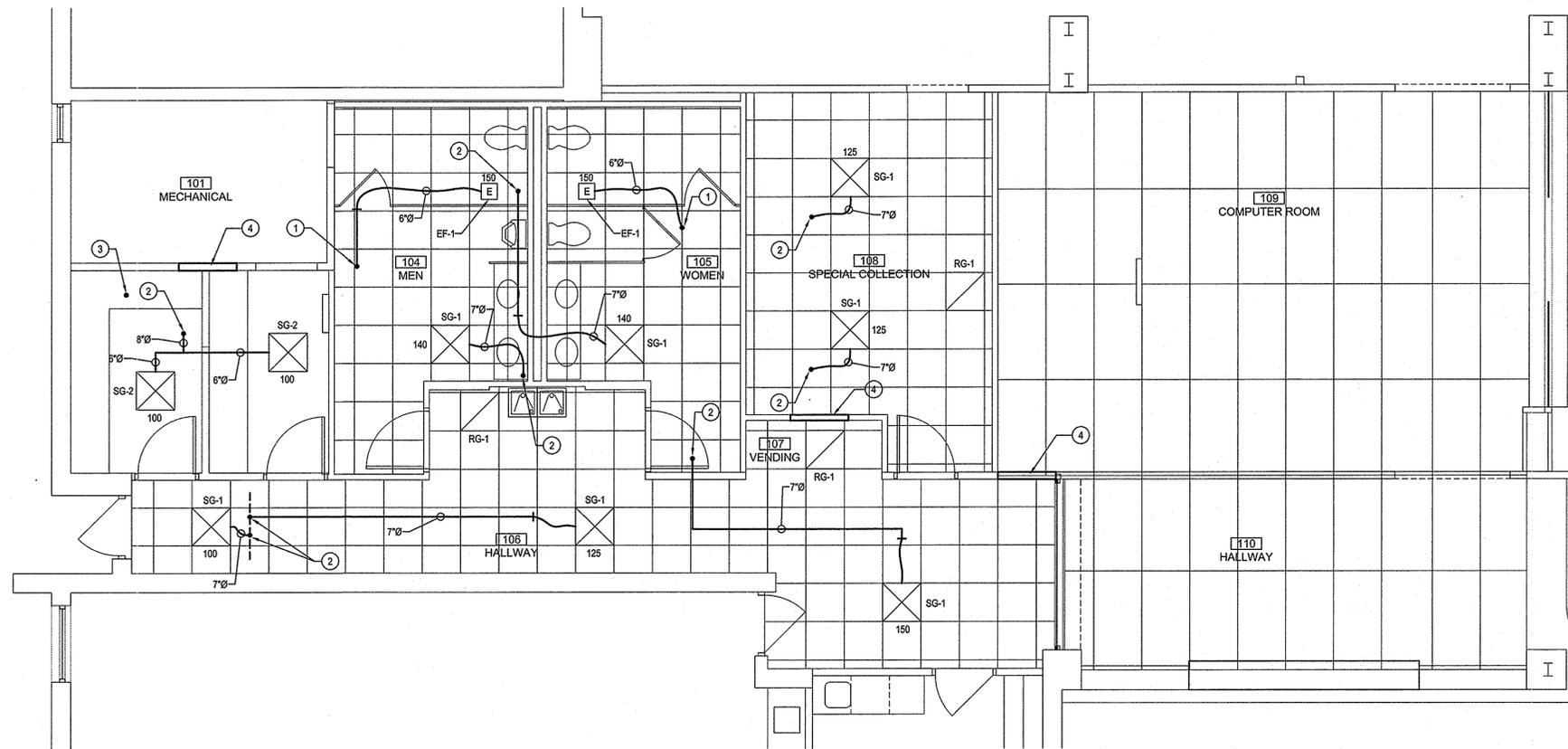
**KEY PLAN**  
Scale: NTS

PROJECT  
Building Remodel for:  
**Cass District Library**  
Cassopolis, Michigan

DATE  
JULY 20, 2015

NUMBER REVISIONS  
15004

SHEET  
**P-2**



**HVAC REMODEL FLOOR PLAN - AREA "A"**  
 Scale: 1/4" = 1' - 0"

**HVAC GENERAL SPECIFICATIONS**

PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO EXECUTE THE HEATING, VENTILATING AND AIR CONDITIONING WORK INDICATED ON THE DRAWINGS AND AS REQUIRED BY ALL STATE OF MICHIGAN, CASS COUNTY AND THE CITY OF CASSOPOLIS CODES AND ORDINANCES, LATEST REVISION.

THIS CONTRACTOR SHALL MAKE APPLICATION FOR AND PAY FOR ALL PERMITS, CERTIFICATED OF INSPECTION, AND CALL FOR ALL NECESSARY INSPECTIONS AS REQUIRED BY LOCAL, STATE, FEDERAL AGENCIES, PUBLIC UTILITIES, ETC.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR, BUT NOT LIMITED TO, THE FOLLOWING:

HEATING, VENTILATION & AIR CONDITIONING...  
 DUCTWORK, GRILLS, DIFFUSERS, ETC.  
 DUCT INSULATION  
 FANS, LOUVERS, DIFFUSERS AND GRILLES

COORDINATE FINAL LOCATIONS OF EQUIPMENT AND ROUGH-INS WITH FIELD MEASUREMENTS, ACTUAL REQUIREMENTS OF THE VARIOUS EQUIPMENT MANUFACTURERS AND WITH OWNERS REQUIREMENTS.

INSTALL EQUIPMENT SO AS TO FACILITATE MAINTENANCE, REPAIR AND REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL, INSTALL EQUIPMENT FOR EASE OF DISCONNECTING AND MINIMAL INTERFERENCE WITH OTHER INSTALLATIONS.

ALL DUCTWORK SHALL BE CONCEALED ABOVE CEILINGS, IN EQUIPMENT ROOMS AND THE LIKE INsofar AS PRACTICAL, AND SO THAT SUCH WORK WILL BE PROPERLY CONCEALED AND DOES NOT INTERFERE WITH THE PROPER COORDINATED INSTALLATION WORK OF OTHER CONTRACTORS.

UPON COMPLETION OF EACH SYSTEM, THE SYSTEM SHALL BE THOROUGHLY CLEANED, TESTED UNDER PRESSURE AND WITNESSED BY THE PROPER AUTHORITY, AS REQUIRED.

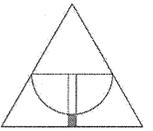
UPON COMPLETION OF THE DUCTWORK REMODEL, CONTRACTOR TO PROVIDE AIR BALANCE FOR NEW INSTALLATION. CONTRACTOR TO THEN FURNISH ARCHITECT / OWNER AN AIR BALANCE REPORT FOR THEIR REVIEW.

CONTRACTOR SHALL BE HELD RESPONSIBLE FOR A QUALITY INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. GENERAL LAYOUTS, SCHEMATICS AND DETAILS NECESSARY TO PERFORM A COMPLETELY SERVICEABLE JOB (EVEN IF NOT EXPRESSLY SHOWN) SHALL BY THE ACT OF SUBMITTING A BID, BE UNDERSTOOD TO BE A PART OF THIS BID.



*D. Eric Leedy*

LEEDYARCHITECTS  
 DESIGN STUDIO



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 dericleedy@gmail.com  
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**HVAC EQUIPMENT**

EF-1...BROAN MODEL #QTXE150, HORIZONTAL DISCHARGE  
 150 CFM, 1.4 SONES, 6" DIA. DUCT, 120/60/1

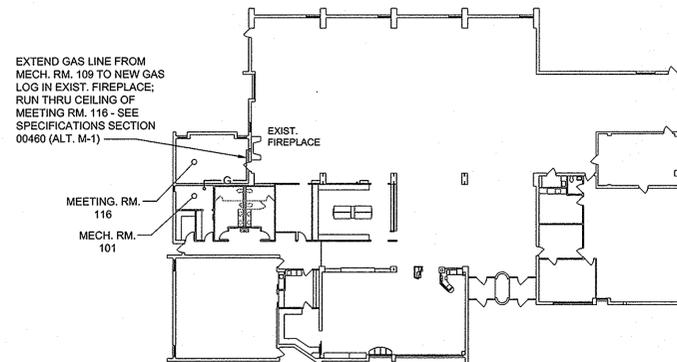
SG-1...TITUS MODEL #TMS 2' x 2' LAY-IN GRILLE, WHITE

RG-1...TITUS MODEL #TMS 2' x 2' LAY-IN GRILLE WITH WHITE FRAME

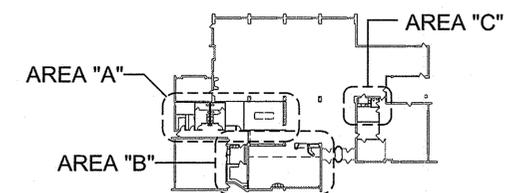
SPIRAL DUCT & FITTINGS EQUAL TO LAPINE METAL PRODUCTS,  
 GALVANIZED, SINGLE WALL, ROUND,  
 PER LATEST SMAGNA STANDARDS

**HVAC CONSTRUCTION KEYNOTES**

- ① CONNECT NEW EXHAUST FAN DUCT TO EXISTING DUCT OPENING. PROVIDE ALL DUCTWORK AND APPURTENANCES REQUIRED TO MAKE AN AIRTIGHT CONNECTION.
- ② CONNECT NEW SUPPLY AIR DIFFUSER TO EXISTING DUCT OPENING. PROVIDE ALL DUCTWORK AND APPURTENANCES REQUIRED TO MAKE AN AIRTIGHT CONNECTION.
- ③ CAP EXISTING ABANDONED EXHAUST FAN OPENING. PROVIDE ALL MATERIAL TO MAKE AN AIRTIGHT CONNECTION.
- ④ MECHANICAL CONTRACTOR TO PROVIDE (3) SQ. FT. OPENING THRU WALLS WHERE SHOWN. OPENINGS TO BE ABOVE LAY-IN CEILING AND ROOF DECK TO ALLOW FOR RETURN AIR TRANSFER.



**PLAN (RE: ALTERNATE M-1)**  
 Scale: NTS



**KEY PLAN**  
 Scale: NTS

PROJECT Building Remodel for:  
**Cass District Library**  
 Cassopolis, Michigan

DATE JULY 20, 2015

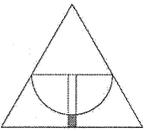
NUMBER REVISIONS  
 15004

SHEET M-1

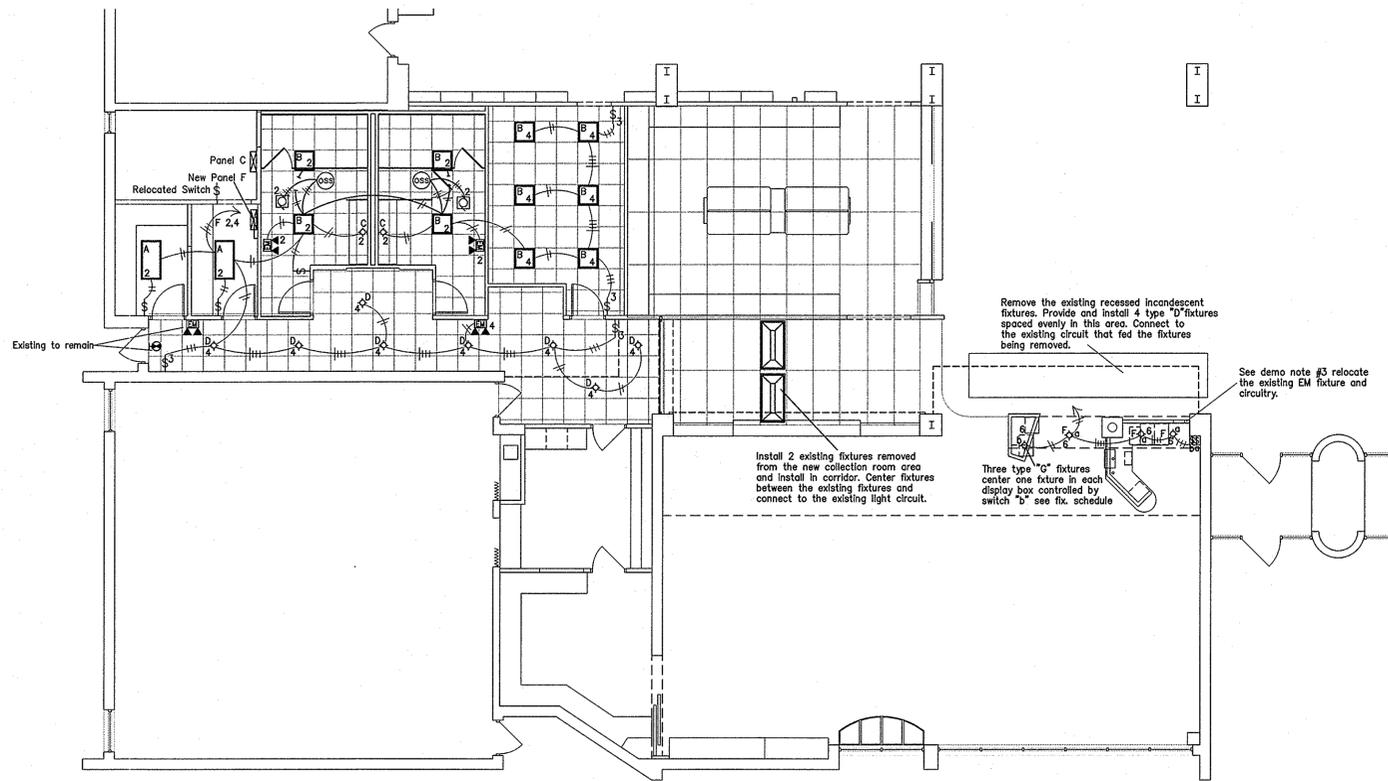


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**ELECTRICAL PLAN**  
Scale: 1/8" = 1' - 0"

PROJECT

Building Remodel for:

**Cass District Library**  
Cassopolis, Michigan

DATE

JULY 20,  
2015

NUMBER REVISIONS

15004

SHEET

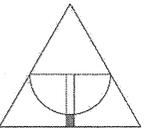
**E-1**

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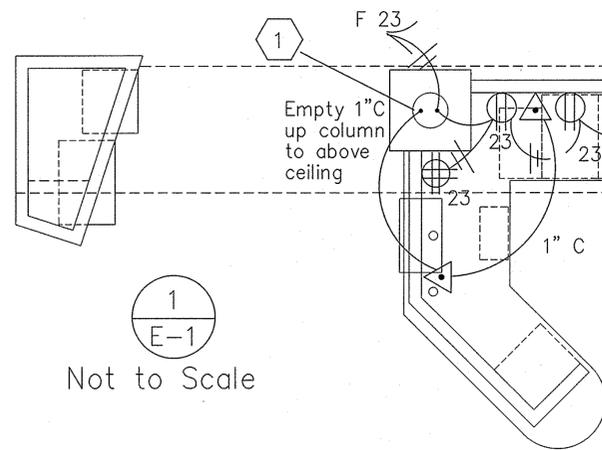
PROJECT  
Building Remodel for:  
**Cass District Library**  
Cassopolis, Michigan

DATE  
JULY 20,  
2015

NUMBER REVISIONS  
15004

SHEET  
**E-2**

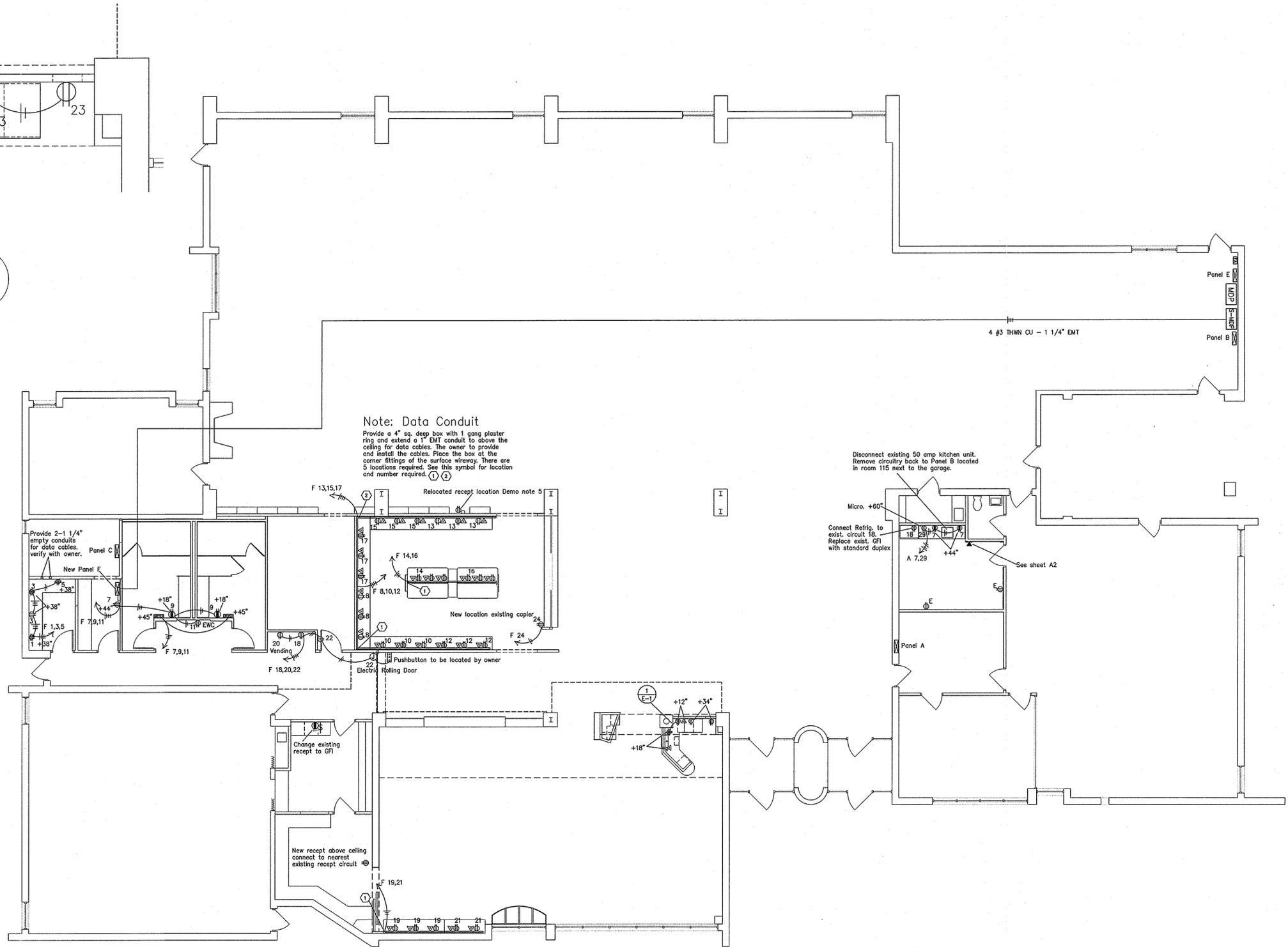
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Not to Scale

**ELECTRIC NOTES:**

1. ALL DEVICES, SWITCHES, RECEPTS, ETC. TO BE BROWN IN COLOR TO MATCH THE EXISTING.
2. DEVICE PLATES TO BE STAINLESS STEEL TO MATCH THE EXISTING.
3. ALL DEVICES SHALL BE A MINIMUM OF COMMERCIAL GRADE 20 AMP RATED. RESIDENTIAL GRADE DEVICES ARE NOT ACCEPTABLE.
4. ALL CONDUCTORS SHALL BE COPPER TYPE THWN UNLESS NOTED.
5. SWITCHES MOUNTED 48" TO BOTTOM, RECEPTS 18" TO BOTTOM UNLESS NOTED OTHERWISE.
6. ALL CONDUIT INSTALLED SHALL BE EMT, MC CABLE SHALL ONLY BE ALLOWED CONCEALED IN WALLS. ALL CONDUIT SHALL BE INSTALLED AT 90 DEGREES TO THE STRUCTURE.
7. INSTALL A PULL WIRE IN ALL EMPTY CONDUITS FOR THE OWNERS USE WHEN INSTALLING THE CAT5 CABLES.
8. THE ELECTRIC INSTALLATION SHALL COMPLY WITH THE 2014 ADDITION OF THE NATIONAL ELECTRIC CODE.



**Note: Data Conduit**

Provide a 4" sq. deep box with 1 gang plaster ring and extend a 1" EMT conduit to above the ceiling for data cables. The owner to provide and install the cables. Place the box at the corner fittings of the surface wireway. There are 5 locations required. See this symbol for location and number required. (1) (2)

Disconnect existing 50 amp kitchen unit. Remove circuitry back to Panel B located in room 115 next to the garage.

Connect Refrig. to exist. circuit 18. Replace exist. GFI with standard duplex

4 #3 THWN CU - 1 1/4" EMT

**ELECTRICAL PLAN**  
Scale: 1/8" = 1' - 0"



ELECTRIC SYMBOLS			NOT ALL SYMBOLS USED
	Fluorescent Fixture	\$	Switch Single Pole
	Fluorescent Fixture Wall Mtd.	\$ <sub>3</sub>	Three Way Switch
	Night Light	\$ <sub>4</sub>	Four Way Switch
	Incandescent / Fluorescent Recessed	\$ <sub>F</sub>	Fan Switch
	Wall Mounted Fixture	\$ <sub>PL</sub>	Switch Pilot Light on when in on position
	Exit Light Arrow Denotes Direction	\$ <sub>LT</sub>	Lighted Handle in off position
	Combination Exit/Em Fixture	\$ <sub>K</sub>	Keyed Switch
	Emergency Fixture	\$ <sub>a</sub>	Small letter shown by fixture symbol indicates which switch controls it
	Single Recept	\$ <sub>M</sub>	Motor Switch single Pole
	Duplex Recept	\$ <sub>Fum</sub>	Furnace w/ Motor Switch
	Quad Recept	\$ <sub>va-vz</sub>	Wiremold surface raceway w/ recept & data outlets
	GFI Recept	\$ <sub>CH</sub>	Cabinet Heater w/Stat
	Weather Proof GFI Recept	\$ <sub>CH</sub>	Baseboard Heater
	Special Recept see notation Eg. 30A 208V 1P	\$ <sub>T</sub>	Thermostat
	Data Outlet	\$	Control Cabinet or Panel
	Time Clock # 1	\$	Panelboard
	Junction Box	\$ <sub>MDP</sub>	Main Distribution Panelboard
	Disconnect Switch Non Fused	\$ <sub>WH</sub>	Water Heater
	Disconnect Switch Fused	\$	Contact
	Motor	\$	Conduit with circuit conductors. Provide a grounding conductor not shown on drawing.
	Motor Starter	\$ <sub>E</sub> \$ <sub>F</sub>	Existing device
	Occupancy Sensor - SensorSwitch # CMR PDT 9 2P	\$	

Wiremold Surface Raceway Schedule	
Legrand Wiremold Nonmetallic Raceway Part Number	Description
5400TB	Raceway Two Compartment Base with center divider 8' lengths
5400C	Raceway Cover - 8' lengths
5411FO	90 Degree Bend Radius Full Capacity Flat Elbow
5415	90 Degree Tee
5415FO	90 Degree Bend Radius Full Capacity Tee
5417FO	90 Degree Bend Radius Full Capacity Internal Elbow
5418	90 Degree External Elbow
5418FO	90 Degree Bend Radius Full Capacity External Elbow
5410	Blank End
5406A	Cover Clip
5410DFO	Bend Radius Divided Entrance End Fitting
5450	Device Bracket
5400TWC	Wire Retainer Keeps wire & cable in place
5507B	Blank Faceplate
5507D	Duplex Faceplate

NOTES:

- Provide all misc. items for a complete installation, including the proper series 5507 faceplate for the owners data devices.
- All conduit shall be installed above the finish ceiling only. No conduit shall be exposed below the ceiling.

LIGHT FIXTURE SCHEDULE				
Type	Catalogue Number	Lamp	Mounting	Notes
A	Lithonia 2GT8 G 3 32 A12 MVOLT 1/3 GEB10IS	3-32WT8	Grid	
B	Lithonia 2GT8 2 U31 A12 120 GEB10IS	2-31WT8	Grid	Mount at 68" AFF to center of fixture
C	Winona WFW4912 1/27TT 120 OAE PCI	1-27TT	Surface	
D	Lithonia LF6N 1/42TR TF695 120	1-42TRT	Recess	Mount at 68" AFF to center of fixture center fixture between mirrors.
F	Contech (Driver Kit) R2ARM120 (Module) UMOD35KM (Trim) C2302-WHT	Included	Recess	LF16-CL-60MM Lensed Accessory
G	Outwater Infinity Light LED-LTW-WH-WW Supply surface mounting ring	Included	Surface	Three fixtures required, one centered in each display box.
NOTE: Provide all misc. parts and wiring for a complete installation. The contact phone number is 1-800-631-8375				
EM	Lithonia ELM2	Included	Surface	
OSS	Occupancy Sensor Switch Ceiling Mounted SensorSwitch CMR PDT 9 2P		Surface	2 Pole sensor switch, pole 1 controls fan pole 2 controls lighting.

DEMOLITION NOTES

- REMOVE ALL ELECTRIC ITEMS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTS, SWITCHES, CONDUIT, WIRE, BOXES, PLATES AND MISC. BACK TO THE LAST REMAINING JUNCTION BOX ABOVE THE CEILING IN THE DEMOLITION AREAS. CAP THE WIRES WITH WIRENUTS AND PLACE A BLANK PLATE ON THE BOXES. REMOVE ALL ITEMS FROM THE JOBSITE. TURN OFF THE ASSOCIATED BREAKERS IN EXISTING PANEL "C" AND LABEL AS A SPARE.
- REMOVE THE WIREMOLD IN THE CHILDRENS AREA AT THE NEW ENTRANCE THAT CONTAINS THE CAT5 CABLE FOR THE EXISTING COPY MACHINE. REPAIR ANY DAMAGE AS NEEDED.
- REMOVE AND RAISE THE EMERGENCY FIXTURE AT THE NEW CHILDREN ENTRANCE AS NEEDED.
- DISCONNECT THE EXISTING KITCHEN UNIT IN THE EXISTING LOUNGE AREA. REMOVE THE WIRING BACK TO PANEL "B" IN THE MAINTENANCE ROOM DISCONNECT AT THE 50 AMP BREAKER.
- RELOCATE THE EXISTING DUPLEX RECEPT AT THE NEW DOOR LOCATION FOR THE COMPUTER ROOM.

GENERAL ELECTRICAL SPECIFICATIONS

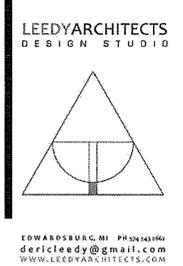
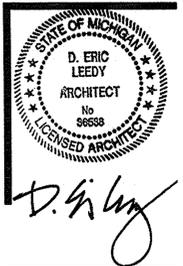
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A NEAT "WORKMANLIKE" ELECTRICAL INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. BY ACT OF SUBMITTING A BID FOR THE PROPOSED WORK, THIS CONTRACTOR AGREES TO PROVIDE ALL LABOR, TOOLS, EQUIPMENT AND APPROVED MATERIAL NECESSARY TO PROVIDE THE OWNER A SERVICABLE AND COMPLETE SYSTEM AS INDICATED WITHIN THE SCOPE OF THESE PLANS AND SPECIFICATIONS.
- THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE STANDARD ELECTRICAL CODE PROVISIONS AND LOCAL REGULATIONS OR CODES HAVING JURISDICTION. THE PLANS AND SPECIFICATIONS CONTAINED WITHIN THIS SET OF CONSTRUCTION DOCUMENTS ARE INTENDED TO ILLUSTRATE THE SCOPE OF WORK REQUIRED FOR A ELECTRICAL INSTALLATION ONLY. THE INFORMATION SHOWN SHALL IN NO WAY SUPERCEDE THE CODE PROVISIONS OR IN ANY WAY GIVE PERMISSION TO THE ELECTRICAL CONTRACTOR TO INSTALL A SYSTEM FOUND TO BE IN NON-COMPLIANCE.
- THIS CONTRACTOR SHALL REVIEW THE ENTIRE SET OF CONSTRUCTION DOCUMENTS FOR AREAS OF WORK THAT DIRECTLY AFFECT THE ELECTRICAL DESIGN, INSTALLATION METHODS, FIRE STOPPING, PATCHING REQUIREMENTS, SPECIAL INSTALLATION REQUIREMENTS AND SCHEDULING OF ACTUAL INSTALLATION. GENERAL LAYOUTS, DETAILS AND SCHEMATICS NECESSARY TO PERFORM A COMPLETE, SERVICABLE JOB (EVEN IF NOT EXPRESSLY SHOWN) SHALL, BY ACT OF SUBMITTING A BID, BE UNDERSTOOD TO BE A PART OF THIS BID. QUESTIONS OR CLARIFICATIONS WHICH NEED TO BE ADDRESSED SHALL BE DONE PRIOR TO BIDDING OR SIGNING ANY FORM OF CONTRACT FOR THE RESPECTIVE WORK. NO ALLOWANCE SHALL BE MADE FOR ITEMS UNDERSTOOD TO BE A REASONABLE PART OF THIS WORK AFTER SUCH CONTRACT IS SIGNED.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WORK WITH OTHER TRADES. IT IS REQUIRED BY CONTRACT FOR THE ELECTRICAL CONTRACTOR TO ATTEND PROGRESS MEETINGS AND AT ALL TIMES TO KEEP THE JOBSITE SUPERINTENDENT OR PROJECT MANAGER INFORMED OF ANY SCHEDULE DELAYS AND APPARENT CAUSES AND THE REMEDIAL ACTION TO BE TAKEN TO ACCOMPLISH THE COMPLETED PROJECT ACCORDING TO SCHEDULE. THIS CONTRACTOR AGREES TO TAKE NECESSARY STEPS TO KEEP HIS WORK IN CONTROL, INSPECTED AND FINISHED IN A TIMELY MANNER AS TO NOT HOLD UP OTHER TRADES WORK AND THERE-BY THE ENTIRE PROJECT'S TIMELY COMPLETION.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, BONDS AND OTHER NECESSARY LICENSES OR APPLICATIONS AS REQUIRED BY THE LOCAL AND STATE BUILDING DEPARTMENTS. THE CONTRACTOR SHALL CALL FOR ALL NECESSARY INSPECTIONS AND PERFORM SAME IN ACCORDANCE WITH THE LOCAL REQUIREMENTS. THIS CONTRACTOR SHALL NOT ALLOW ANY PORTION OF HIS WORK TO BE COVERED OR CONCEALED PRIOR TO REQUIRED INSPECTIONS AND WRITTEN NOTICE OF APPROVAL.
- THIS CONTRACTOR IS REQUIRED TO MAINTAIN A MANUAL ON SITE CONTAINING THE REQUIRED MSDS SHEETS FOR PRODUCTS, CLEANERS AND OTHER MATERIALS USED ON THIS PROJECT. THE INFORMATION MAY BE GIVEN TO THE JOBSITE OFFICE FOR RECORDS AND REVIEW. THIS CONTRACTOR SHALL FURNISH TO THE JOBSITE SUPERINTENDENT THE NAME OF HIS APPOINTED SAFETY OFFICER AND PHONE NUMBER FOR USE IN THE EVENT OF AN EMERGENCY.
- THE ELECTRIC EQUIPMENT SCHEDULES SHOWN ON THE PLAN ARE INTENDED TO ESTABLISH THE TYPE AND QUALITY OF EQUIPMENT REQUESTED BY THE OWNER AND ENGINEER. EQUALS MAY BE USED IF BID AS A VOLUNTARY ALTERNATE. THIS CONTRACTOR IS REQUIRED TO MEET THE ESTABLISHED QUALITY IN ANY CASE, AND WILL BE REQUIRED TO PROVIDE SAME IF THE MATERIAL THEY USED IN THEIR PROPOSAL WAS NOT APPROVED PRIOR TO BIDDING OR IS VIEWED AFTER THE BIDDING NOT TO MEET THE QUALITY REQUIREMENT. IT IS THIS CONTRACTORS RESPONSIBILITY TO OBTAIN THE APPROVAL PRIOR TO BID OR RISK IF NOT APPROVED AFTERWARD.
- THIS CONTRACTOR IS RESPONSIBLE FOR DAILY CLEAN-UP OF HIS DEBRIS AND MATERIAL ORGANIZATION TO KEEP THE JOB SITE NEAT IN APPEARANCE. SHOULD THIS CONTRACTOR FAIL TO KEEP HIS TRADES WORK CLEAN FROM DEBRIS ACCUMULATION, THE JOB SITE SUPERINTENDENT WILL SEE THAT A FIRM OR PERSON WILL PERFORM THE CLEAN-UP AND HAVE THE EXPENSE BACK-CHARGED AGAINST THIS CONTRACTOR'S CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE EQUIPMENT CONNECTION WITH THE CONTRACTOR PROVIDING SAME TO INSURE A PROPER AND COMPLETE INSTALLATION OF EACH PIECE OF EQUIPMENT AND TO MEET THE OVERALL SYSTEM REQUIREMENTS.
- THERMOSTATS FOR HEATING AND AIR-CONDITIONING EQUIPMENT TO BE FURNISHED BY THE H.V.A.C. CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL RUN THE CONTROL WIRING FROM THE THERMOSTAT TO THE EQUIPMENT, AND IS RESPONSIBLE FOR VERIFYING THE PROPER INSTALLATION AND FOR THE FINAL CONNECTION TO THE MECHANICAL EQUIPMENT.
- ALL EXHAUST FANS ARE TO BE FURNISHED AND INSTALLED BY THE MECH. CONTRACTOR. THIS SHALL INCLUDE DUCTING TO THE EXTERIOR OF THE BUILDING. THE ELECTRICAL CONTRACTOR SHALL SUPPLY WIRING AND CONNECT TO THE EXHAUST UNITS ONLY.

Panel F Volt 120/208 Ampere 125 Minimum AIC Rating N/A Phase 3 Wire 4 Main MLO Mounting SURFACE

Type Siemens ITE P1 Fed From SMDP Parallel Sets N/A Conduit 1 1/4" Wire 4 # 3 THWN CU & 1 # 6 THWN CU GRND

Line	Line	Line	W Load	Circuit No.	Amp Poles	Phase			Circuit No.	W Load			
						A	B	C					
1600		Recepts Rm. 102	1	20				20	2	Lights Rms. 102-105	1600		
	1600	" " " "	3	20				20	4	Lights Rms. 106, 108		1200	
		" " " "	5	20				20	6	Lights Child Entry Rm. 113			600
1600		Recepts Rm. 103	7	20				20	8	Recepts Raceway Computer Rm. 109	1600		
	1800	Recepts Rms. 104,105	9	20				20	10	" " " "		1600	
		Recept EWC Hall 106	11	20				20	12	" " " "		1600	
1600		Recepts Raceway Computer Rm. 109	13	20				20	14	" " " "	1600		
	1600	" " " "	15	20				20	16	" " " "		1600	
		" " " "	17	20				20	18	Recepts Vending Hall 106		1600	
1600		Recepts Raceway Children Reading Rm. 113	19	20				20	20	" " " "	1600		
	1600	" " " "	21	20				20	22	Rolling Door Hall		900	
		Hand Dryer 104	23	20				20	24	Recept. exist. Copy Machine moved to 109		1600	
1600		Hand Dryer 105	25	20				20	26	Space			
		Space	27	20				20	28	Space			
		Space	29	20				20	30	Space			
8000	6600	5600									6400	5300	5400
Notes:1. Provide Ground Bar and a Typewritten Schedule.											Total W Per Phase 14400 11900 11000		
											Total KW Load 37.3		

ELECTRICAL PLAN  
Scale: 1/8" = 1' - 0"



Building Remodel for:  
**Cass District Library**  
Cassopolis, Michigan

DATE JULY 20, 2015

NUMBER REVISIONS

15004

SHEET E-3

**SECTION 02070 SELECTIVE DEMOLITION**

PROVIDE ALL LABOR, EQUIPMENT , AND MATERIALS TO COMPLETE THE SELECTIVE DEMOLITION WORK SHOWN ON THE DRAWINGS.

CAREFULLY REMOVE EXISTING BUILDING COMPONENTS IN PREPARATION FOR NEW CONSTRUCTION. PATCH AND REPAIR DAMAGED SUBSTRATE TO A CONDITION SUITABLE TO RECEIVE NEW FINISH.

PROTECT EXISTING MATERIALS AND COMPONENTS SCHEDULED FOR REUSE.

MAINTAIN EXISTING UTILITIES TO REMAIN, KEEP IN SERVICE AND PROTECT AGAINST DAMAGE.

DISPOSE OF ALL REMOVED MATERIAL PROPERLY AND IN CONFORMANCE WITH LOCAL REGULATIONS. PAY ALL REQUIRED FEES.

DISPOSE OF ALL REMOVED MATERIAL PROPERLY AND IN CONFORMANCE WITH LOCAL REGULATIONS. PAY ALL REQUIRED FEES.

**SECTION 05500 - MISCELLANEOUS METALS**

COMPLY WITH INDUSTRY STANDARDS FOR EACH TYPE OF WORK SPECIFIED AS FOLLOWS: AISI AND AWS. SPECIFIC REQUIREMENTS WILL BE INDICATED.

SUBMIT SHOP DRAWINGS.

VERIFY ALL DIMENSIONS BY FIELD MEASURING AND FABRICATE TO FIT JOB CONDITIONS.

SHOP PAINT PRIMER: SHALL BE THE SAME AS SPECIFIED UNDER SECTION 05120 STRUCTURAL STEEL.

ARCHITECTURAL, MISCELLANEOUS STEEL, UNLESS OTHERWISE PARTICULARLY SPECIFIED: MILD STEEL.

COLD FINISHED STEEL: MILD STEEL ROLLED OR DRAWN, FREE FROM SCALE, ACCURATE TO SIZE OR GAUGE.

ALUMINUM PLATE: ALLOY 5052 H32, THICKNESS AND SIZE AS SHOWN ON THE DRAWINGS.

PROVIDE ALL MISCELLANEOUS STRUCTURAL STEEL, LINTELS, SHELF ANGLES, SEPARATORS, CLIP ANGLES, JOIST HANGERS AND MISCELLANEOUS LIGHT STEEL FRAMING REQUIRED TO COMPLETE THE WORK INDICATED ON DRAWINGS AND DESCRIBED IN SPECIFICATIONS.

ALL GALVANIZED METALS SHALL COMPLY WITH ASTM A368.

**SECTION 06100 - ROUGH & FINISH CARPENTRY**

**ROUGH CARPENTRY:**

GRADING: AMERICAN LUMBER STANDARDS, SIMPLIFIED PRACTICE RECOMMENDATION R16 AND ESTABLISHED GRADING RULES. EACH PIECE OF FRAMING LUMBER AND BOARD OF SPECIES USED, SHALL BE IDENTIFIED BY THE GRADE-MARK OF A RECOGNIZED ASSOCIATION IF INDEPENDENT INSPECTION AGENCY. SUCH AGENCY SHALL BE CERTIFIED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, WASHINGTON, D.C.

MAXIMUM MOISTURE CONTENT SHALL BE AS FOLLOWS:

Table with 2 columns: Item description and Percentage. Includes items like Framing Lumber 2 inches and less in thickness (19%), Boards 8 inches or less in width (15%), Finish Lumber and Millwork (15%), Trim (15%), Paneling (12%).

SOFTWOOD PLYWOOD, EACH PANEL IDENTIFIED WITH APA GRADE TRADEMARK OF AMERICAN PLYWOOD ASSOCIATION, AND MEET ALL REQUIREMENTS OF LATEST EDITION OF U.S. PLYWOOD STANDARD PS 1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD.

**GENERAL PURPOSE DIMENSION FRAMING - NON - LOAD BEARING KD:**

- (1) STUDS, JOISTS AND RAFTERS FOR FALSE WORK: No. 1 & No. 2 SOUTHERN PINE OR DOUGLAS FIR S4S.
(2) WOOD BLOCKING AND GROUNDS, NAILERS, CANTS, ETC., No. 2 DOUGLAS FIR, SOUTHERN PINES, WESTERN HEMLOCK OR SPRUCE S4S.

**GENERAL PURPOSE BOARDS - (LESS THAN 8 INCHES):**

- (1) WOOD BLOCKING AND GROUNDS, NAILERS, FURRING STRIPS, ETC.; No. 2 DOUGLAS FIR, WESTERN HEMLOCK OR SPRUCE S4S.

**ROUGH HARDWARE:**

ROUGH HARDWARE SHALL CONFORM TO REQUIREMENTS OF NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. IN GENERAL, USE NAILS, SPIKES, SCREWS AND OTHER FASTENING DEVICES OF APPROVED SIZES AND SHAPES AS ACCEPTED AND APPROVED BY THE CARPENTRY TRADE. WHERE BOLTS ARE SHOWN TO ANCHOR ITEMS TO MASONRY, USE "WIK-BOLT" ANCHORS BY HILTI FASTENING SYSTEMS, FOR GROUT FILLED OR HOLLOW MASONRY UNITS OR APPROVED EQUAL.

**FINISH CARPENTRY:**

FOR CUTTING AND FITTING OF TRIM AND FINISH MATERIAL, USE ONLY JOURNEYMAN FINISH CARPENTERS WHO ARE TRAINED AND EXPERIENCED IN THE SKILLS REQUIRED AND FAMILIAR WITH THE MATERIALS AND FINISH CARPENTRY REQUIREMENTS OF THIS PROJECT.

DELIVER AND STORE FINISH CARPENTRY MATERIALS IN A MANNER TO PREVENT DAMAGE. USE ALL MEANS NECESSARY TO PROTECT MATERIALS DURING AND AFTER INSTALLATION.

IN THE EVENT OF DAMAGE, MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.

SUBMIT SHOP DRAWINGS FOR ALL CUSTOM MILLWORK TO THE ARCHITECT FOR REVIEW IN ACCORDANCE WITH SECTION 01340 BEFORE DELIVERING OR INSTALLING ANY FINISH CARPENTRY WORK.

INSTALL FINISH CARPENTRY WORK AFTER MOISTURE-PRODUCING WORK IS COMPLETE AND ALL OPENINGS ARE CLOSED OR GLAZED. MAINTAIN A TEMPERATURE OF 68 DEGREES F. MINIMUM IN AREAS TO RECEIVE FINISH CARPENTRY WORK.

WOODWORK EXPOSED TO VIEW SHALL BE PRESSED, KILN-DRIED MATERIAL CONTAINING NOT OVER 15% MOISTURE.

DOOR FRAMES AND CASING: (SEE DRAWINGS)

PLAIN SLICED PREMIUM OAK

WOOD TRIM (SEE DRAWINGS):

PLAIN SLICED PREMIUM RED OAK, STAINED

PREMIUM POPLAR, PAINTED

HARDWOOD PLYWOOD:

PLAIN SLICED RED OAK VENEER, STAINED

PREMIUM WHITE BIRCH , PAINTED

**SOFTWOOD PLYWOOD:**

COUNTERTOP: APA - RATED SHEATHING - 4824 - EXTERIOR (PS 1-74 CC).

TAKE ALL NECESSARY MEASUREMENTS IN THE FIELD TO ENSURE ACCURATE DIMENSIONS FOR FINISH CARPENTRY WORK.

PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT RELATED WORK OF OTHER TRADES AND VERIFY THAT SUCH WORK IS COMPLETE TO THE POINT WHERE THIS PORTION OF THE WORK MAY PROPERLY COMMENCE. BEGINNING WORK INDICATES ACCEPTANCE OF SURFACES.

**WORKMANSHIP:**

MAKE ALL JOINTS TO CONCEAL SHRINKAGE. MITER EXTERIOR CORNERS. COPE INTERIOR CORNERS. MITER END JOINTS.

INSTALL TRIM IN PIECES AS LONG AS POSSIBLE, JOINTING ONLY WHERE SOLID SUPPORT IS OBTAINED.

INSTALL ALL ITEMS STRAIGHT, TRUE, LEVEL, PLUMB AND FIRMLY ANCHORED IN PLACE. CONFORM TO APPROVED SHOP DRAWINGS.

USE CONCEALED FASTENERS UNLESS OTHERWISE APPROVED BY THE ARCHITECT.

ALL WOOD TRIM SHALL BE FREE OF ABRASIONS OR DENTS. SANDPAPER FINISH WOOD AS REQUIRED TO PRODUCE A UNIFORMLY SMOOTH SURFACE.

**06240 PLASTIC LAMINATE COUNTERS**

PROVIDE AND INSTALL HIGH PRESSURE PLASTIC LAMINATE AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.

CONFORM TO THE FOLLOWING PERFORMANCE OF:

- 1. NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION (NEMA) PUBLICATION NO. LD 3-1990, TYPE GP 50.
2. FEDERAL SPECIFICATION LP-508H, STYLE D, TYPE I, CLASS I AND CLASS II, STYLE ND, TYPE IV

SUBMIT ACTUAL COLOR SAMPLES TO THE ARCHITECT FOR REVIEW AND SELECTION IN ACCORDANCE WITH SECTION 01340.

**PLASTIC LAMINATE:**

**HORIZONTAL SURFACE GRADE:**

- 1. GRADE - 10/HORIZONTAL GENERAL PURPOSE STANDARD GRADE HIGH-PRESSURE PLASTIC LAMINATE.

**VERTICAL SURFACE GRADE:**

- 1. GRADE-S/VERTICAL GENERAL PURPOSE STANDARD GRADE HIGH-PRESSURE PLASTIC LAMINATE.

**FINISH:**

- 1. "MATTE" FINISH PRODUCING A GLOSS READING OF 10.5, PRODUCING GREATER CLARITY AND DEPTH OF COLOR.

**ACCEPTABLE SUBSTRATES:**

- 1. PARTICLEBOARD
2. POP-LAR-FACED PLYWOOD
3. FIR PLYWOOD
4. BIRCH PLYWOOD
5. MEDIUM DENSITY FIBERBOARD
A. USE IN FURNITURE AND CABINETWORK ONLY
6. LUMBER CORE PLYWOOD
ACCEPTABLE MANUFACTURERS:
1. FORMICA-CORPORATION, WAYNE, NJ
2. WILSON-ART
3. PIONITE
4. NEVAMAR

**ADHESIVE:**

BRUSHABLE GRADE CONTACT ADHESIVE FORMULATED IN A SOLVENT SYSTEM. SPECIFICALLY DESIGNED FOR BONDING HIGH-PRESSURE PLASTIC LAMINATE TO ALL CONVENTIONAL SUBSTRATES. RESISTANT TO WATER, HUMIDITY AND HEAT WITH RAPID DRYING TIME AND BROAD BONDING RANGE.

**ACCEPTABLE MANUFACTURERS:**

- 1. "CONTACT ADHESIVE 140 BRUSHABLE GRADE" BY FORMICA CORPORATION, WAYNE, NJ
2. OR APPROVED EQUAL.

**COUNTERS:**

FABRICATE USING HORIZONTAL GRADE PLASTIC LAMINATE ON ALL EXPOSED SURFACES. COUNTERS SHALL HAVE HIGH-PRESSURE PLASTIC LAMINATE BALANCING, BACKING SHEET.

SUBSTRATE: AS NOTED ABOVE.

COUNTERS, 3/4" MINIMUM THICKNESS. 1-1/2" EDGES OR AS SHOWN ON THE DRAWINGS.

**INSTALLATION:**

- A. TAKE ALL NECESSARY MEASUREMENTS IN THE FIELD TO ENSURE ACCURATE DIMENSIONS FOR FINISH WORK.
B. PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT RELATED WORK OF OTHER TRADES AND VERIFY THAT SUCH WORK IS COMPLETE TO THE POINT WHERE THIS PORTION OF THE WORK MAY PROPERLY COMMENCE. BEGINNING WORK INDICATES ACCEPTANCE OF SURFACES.
C. SCRIBE COUNTERS TO PROVIDE TIGHT FIT TO ADJACENT SURFACES.
D. INSTALL COUNTERS IN PIECES AS LONG AS POSSIBLE, JOINTING ONLY WHERE SOLID SUPPORT IS OBTAINED.
E. INSTALL ALL ITEMS STRAIGHT, TRUE, LEVEL, PLUMB AND FIRMLY ANCHORED IN PLACE.
F. USE CONCEALED FASTENERS UNLESS OTHERWISE APPROVED BY THE ARCHITECT. USE CONTINUOUS WALL CLEAT AT COUNTERS.

**SECTION 07200 - BUILDING INSULATION**

FURNISH ALL MATERIAL AND LABOR FOR THE VARIOUS TYPES OF BUILDING INSULATION AND MOISTURE BARRIER PRODUCTS AS NOTED HERE BELOW AND ON THE DRAWINGS DOCUMENTS.

FORMALDEHYDE FREE FIBERGLASS INSULATION: UNFACED WITH MINIMUM OF R-13, 3-1/2", FOR WOOD FRAME INSTALLATION. MUST COMPLY WITH ASTM STANDARD C665. ACCEPTABLE MANUFACTURER: JOHNS-MANVILLE OR APPROVED EQUAL.

FRICTION FIT INSULATION BETWEEN WALL FRAMING AS INDICATED ON THE DRAWINGS. FIT TIGHTLY AROUND ALL PIPES, DUCTS, OUTLETS, CONDUIT, BRIDGINGS AND OTHER OBSTRUCTIONS.

INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTRUCTIONS.

**SECTION 07900 - CAULKING AND SEALANTS**

SCOPE - FURNISH AND INSTALL ALL CAULKING AND SEALANTS AND RELATED ITEMS NECESSARY TO CAULK AND MAKE WATER AND WEATHER TIGHT ALL SKYLIGHTS, VENTS AND LOWER OPENINGS, BOTH INSIDE AND OUTSIDE. CAULKINGS MAY BE USED FOR INTERIOR NONWORKING JOINTS, SUCH AS AROUND DOOR FRAMES, SEALANTS WILL BE USED FOR ALL WORKING AND EXTERIOR JOINTS

GUARANTEE - THE CONTRACTOR SHALL GUARANTEE ALL WORK UNDER THIS SECTION TO REMAIN IN A SERVICEABLE, WATER TIGHT, ELASTIC, ADHESIVE AND PERFECT CONDITION FOR A PERIOD OF THREE (3) YEARS FROM THE DATE OF FINAL ACCEPTANCE. WITHIN THE GUARANTEE PERIOD, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECTIVE WORK AND RESULTING DAMAGE TO SURROUNDING WORK.

INTERIOR BUILDING SEALANT CAULKING - ONE PART GUN GRADE ACRYLIC - EMULSION - POLYMER, PERMANENTLY FLEXIBLE, NONSTAINING AND NONBLEEDING, PAINTABLE TYPE USING EITHER OIL BASE OR LATEX PAINT. MANUFACTURER'S:

PECORA CORP. "AC20"
SONNEBORN CONTECH, INC. "SONOLAC"
W.R. HEADOWS, INC. "EASAPLY"
STANDARD DRY WALL PRODUCTS, INC., "ACRYLICALK"
TOCH BROTHERS DIVISION OF CARBOLINE CO., "ACRILAST 50"
BIGSON/ HOMAN CO., "EXTERNAFLEX ACRYLIC LATEX"

LOCATION: ALL INTERIOR WORK EXCEPT MASONRY OR CONCRETE CONTROL JOINTS, AROUND TOILET FIXTURES OR MOIST OR WET LOCATIONS

ONE PART GUN GRADE SILICONE RUBBER, MEETING OR EXCEEDING REQUIREMENTS OF FEDERAL SPECIFICATION TT-S-001545 AND MEETING REQUIREMENTS OF USDA AND ADA.

LOCATION: AROUND FLOOR AND WALL MOUNTED TOILET PLUMBING FIXTURES AND OTHER MOIST OR WET LOCATIONS

PRIMER - WHERE REQUIRED, SHALL BE USED AS RECOMMENDED BY MANUFACTURER OF SEALANT IN WRITING TO ARCHITECT, HAVING BEEN TESTED FOR STAINING AND DURABILITY ON SAMPLES OF ACTUAL SURFACES TO BE SEALED.

SOLVENTS, CLEANING AGENTS AND OTHER ACCESSORY MATERIALS SHALL BE AS RECOMMENDED BY SEALANT MANUFACTURER IN WRITING TO THE ARCHITECT.

FOR APPLICATION OF CAULKING OR SEALANT WHERE AIR TEMPERATURE IS BELOW 40 DEGREES F., CONSULT THE MANUFACTURER FOR RECOMMENDATIONS.

PRIME SURFACES, WHERE REQUIRED, WITH PRIMER AS RECOMMENDED BY MANUFACTURER.

FOLLOW THE MANUFACTURER'S INSTRUCTIONS REGARDING MIXING, SURFACE PREPARATION, PRIMING, APPLICATION LIFE AND APPLICATION PROCEDURE.

CLEAN ADJACENT SURFACES FREE OF SEALANT OR SOILING RESULTING FROM THIS WORK AS WORK PROGRESSES. USE SOLVENT OR CLEANING AGENT AS RECOMMENDED BY THE MANUFACTURER. ALL FINISH WORK SHALL BE LEFT IN A NEAT, CLEAN CONDITION.

**SECTION 08210 - WOOD DOORS AND FRAMES**

PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF ALL SOLID CORE WOOD DOORS, WOOD DOOR FRAMES AND WOOD CASED OPENING ASSEMBLIES AS NOTED ON THE DRAWINGS AND SPECIFIED HEREIN.

- 1. SOLID CORE WOOD DOORS: FLUSH STYLE, SINGLE THICKNESS PARTICLE BOARD CORE WITH PREMIUM PLAIN SLICED RED OAK VENEER, MIN. 1/2" THICKNESS. MFR.: ALGOMA, GRAHAM MFG., EGGERS, WEYERHAEUSER.
2. WOOD FRAMES: MATCH EXISTING CONSTRUCTION; 3/4" X WALL THICKNESS WITH APPLIED WOOD STOPS AND 1/2"X1-3/4" CASINGS, ALL RED OAK.

**REFERENCE STANDARD**

NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION INDUSTRY STANDARD I.S. 1-74 FOR HARDWOOD VENEER FLUSH DOORS. STEEL DOOR INSTITUTE RECOMMENDED SPECIFICATIONS FOR TYPE II HEAVY DUTY HOLLOW METAL DOORS.

**SUBMITTALS:**

SUBMIT MANUFACTURER'S CERTIFICATION STATING THAT DOORS SUPPLIED FOR PROJECT MEET OR EXCEED SPECIFIED STANDARDS.

SHOP DRAWINGS: ILLUSTRATE DOOR OPENING CRITERIA, ELEVATIONS, SIZES, TYPES, SWINGS, ANY UNDERCUTS REQUIRED, SPECIAL BEVELING, AND/SIOR SPECIAL CUTOUTS FOR HARDWARE.

**WARRANTY:**

MANUFACTURER'S WARRANTY: SUBMIT MANUFACTURER'S STANDARD WARRANTY DOCUMENT EXECUTED BY AUTHORIZED COMPANY OFFICIAL.
1. INCLUDE COVERAGE FOR DELAMINATION OF VENEER, WARPING BEYOND SPECIFIED INSTALLATION TOLERANCES, DEFECTIVE MATERIAL AND TELEGRAPHING CORE CONSTRUCTION. WARRANTY INCLUDES REPLACEMENT ONLY, NOT INCLUDING FINISHING, INSTALLATION OR FREIGHT.

**INSTALLATION:**

ACCLIMATE DOORS TO SITE CONDITIONS FOR A MINIMUM OF 24 HOURS BEFORE INSTALLATION.

INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ANSI/DMA IS-6-A-2001 QUALITY STANDARDS REQUIREMENTS.

ADJUSTING: ADJUST DOOR FOR SMOOTH AND BALANCED DOOR MOVEMENT.

PROTECTION: PROTECT INSTALLED PRODUCTS' FINISH SURFACES FROM DAMAGE DURING CONSTRUCTION.

**SECTION 08300 - COILING GRILLE**

PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF OVERHEAD COILING GRILLE ASSEMBLY AS NOTED ON THE DRAWINGS AND SPECIFIED HEREIN.

PRODUCT: OPEN CURTAIN, MODEL E6G10 AS MFR. BY CORNELL. OPENING SIZE APPROXIMATELY 8 1/4" W. X 8 1/4" H. MFR. STANDARD ALUMINUM OPEN GRILLE, MILL FINISH. COIL CONCEALED ABOVE LAY-IN CEILING. UNIT TO BE MOTORIZED USING MFR. STANDARD RGR. MOTOR AND STANDARD FLUSH MOUNT CONTROL STATION. JAMBS; SOUTH SIDE STANDARD TUBE MOUNT, NORTH SIDE BETWEEN JAMBS PUSH-UP.

**SUBMITTALS:**

SHOP DRAWINGS: ILLUSTRATE DOOR OPENING CRITERIA, ELEVATIONS, SIZES, JAMB DETAILS AND COIL SUPPORT DETAILS.

**WARRANTY:**

MANUFACTURER'S WARRANTY: SUBMIT MANUFACTURER'S STANDARD WARRANTY DOCUMENT EXECUTED BY AUTHORIZED COMPANY OFFICIAL.

**INSTALLATION:**

INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND REVIEWED SHOP DRAWINGS.

ADJUSTING: ADJUST GRILLE FOR SMOOTH AND BALANCED OPERATION.

**SECTION 08450 - INSULATED TRANSLUCENT PANEL**

PROVIDE TRANSLUCENT FIBERGLASS INTERIOR PANELS WITH MANUFACTURERS STANDARD ALUMINUM GRID

**RELATED SECTIONS**

ROUGH/FINISH CARPENTRY: SECTION 06100. FINISH HARDWARE: SECTION 06710

**SUBMITTALS**

SHOP DRAWINGS:
1. SHOW GENERAL CONFIGURATION, SIZE, GRID PATTERN AND EDGE DETAILS.

**PRODUCT HANDLING**

INSTALLER SHALL INSPECT PANELS FOR DAMAGE PRIOR TO DELIVERY TO SITE.

**WARRANTY**

MANUFACTURERS STANDARD WARRANTY.

**MANUFACTURER**

MAJOR INDUSTRIES. STANDARD 1" INTERIOR PANEL, SIZE AS SHOWN ON THE DRAWINGS.

**SYSTEM COMPONENTS**

**FACE SHEETS**

- 1. TRANSLUCENT FACES: MANUFACTURED FROM GLASS FIBER REINFORCED THERMOSET RESINS, FORMULATED SPECIFICALLY FOR ARCHITECTURAL USE.
a. BOTH SHEETS: WHITE
2. FLAMMABILITY OF FACE SHEETS:
a. FLAMESPREAD/SMOKE DEVELOPED: FLAMESPREAD NO GREATER THAN 20 AND SMOKE DEVELOPED NO GREATER THAN 200 WHEN TESTED PER ASTM E84.
b. BURN EXTENT: NO GREATER THAN 1"MINUTE WHEN TESTED PER ASTM D635
c. FACE SHEETS SHALL NOT VARY MORE THAN +/- 10% IN THICKNESS AND BE UNIFORM IN COLOR.

**ALUMINUM GRID CORE**

- 1. I-BEAM GRID CORE SHALL BE OF 6061-T6 OR 6005-T6 ALLOY OR EQUIVALENT WITH PROVISION FOR MECHANICAL INTERLOCKING OF MILLION AND PERIMETER. WIDTH OF I-BEAM FLANGE SHALL BE NO LESS THAN 7/16". WEB THICKNESS SHALL BE 0.050". THE I-BEAM GRID SHALL BE MACHINED TO TOLERANCE OF NOT GREATER THAN +/- 0.002". FLANGES SHALL HAVE FULL SURFACE CONTACT WITH FACE SHEETS.
2. PANEL THICKNESS: 1"
3. GRID PATTERN: HORIZONTAL; APPROX. 12.5"X18"

**INSTALLATION**

INSTALL THE PANELS AS SLIDING DOOR UNITS PER ARCHITECTURAL DRAWINGS AND DETAILS, AND APPROVED SHOP DRAWING

**SECTION 08710 - FINISH HARDWARE**

WORK DESCRIPTION: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF ALL FINISH HARDWARE AS SPECIFIED HEREIN. QUALIFICATIONS FOR EXPERT SERVICE, MANUFACTURE AND TYPE OF HARDWARE TO BE FURNISHED ARE OF IMPORTANCE TOGETHER WITH THE TIME OF DELIVERY.

THE WORK UNDER THIS SECTION INCLUDES FURNISHING MANUFACTURER SUPPLIED TEMPLATES, SCREWS, BOLTS, THRU-BOLTS, HEX NUTS, AND/OR ANY OTHER TYPE FASTENER NECESSARY FOR THE COMPLETE INSTALLATION OF ALL FINISH HARDWARE.

**MISCELLANEOUS INFORMATION:**

- A. FINISH: US10 (MATCH EXISTING)
B. KEYING: COORDINATE WITH OWNER.
C. ITEMS SCHEDULED ARE BASED ON THE FOLLOWING PRODUCTS OR APPROVED EQUIVALENT.
1. HINGES: STANLEY, HAGER.
2. LOCKSETS: CORBIN RUSSWIN, HEAVY DUTY CYLINDRICAL LEVER.
3. CLOSERS: LCN 4000 SERIES ALUMINUM, PAINTED.
4. STOPS: IVES
5. PUSH/PULL: ROCKWOOD
6. SLIDING DOOR HARDWARE: L.E. JOHNSON
7. MISCELLANEOUS HARDWARE: STANLEY

**INSTALLATION:**

FINISH HARDWARE: INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. FIT ACCURATELY, INSTALL SECURELY AND ADJUST CAREFULLY. USE CARE TO AVOID INJURY TO CONTIGUOUS WORK. WHEN NECESSARY, REMOVE AND REPLACE DOORS, SO BOTTOMS CAN BE PAINTED.

AT COMPLETION OF PROJECT, ADJUST ALL HARDWARE TO OPERATE PROPERLY.

**HARDWARE SCHEDULE:**

SET NO. 1
(DOORS 102, 103, 108)
1-1/2 PAIR BUTT HINGES
1 LOCKSET
1 WALL STOP

SET NO. 2
(DOORS 104, 105)
1-1/2 PAIR BUTT HINGES
1 PUSH/PULL
1 KICK PLATE
1 CLOSER
1 WALL STOP

**SET NO. 3**

(DOOR 112)
1 SLIDING DOOR HARDWARE SYSTEM 100BP
200 LB. CAPACITY, SINGLE TRACK FOR ONE SLIDING DOOR PANEL. COMPLETE WITH ALL NECESSARY COMPONENTS INCLUDING 3 NYLON DOOR GUIDES

**SECTION 09250 - GYPSUM WALL BOARD**

GYPSUM DRYWALL INSTALLATION SHALL COMPLY WITH THE BEST ACCEPTED PRACTICE OF THE TRADE AND THE RECOMMENDED PRACTICES AS SET FORTH IN THE LATEST EDITION DRYWALL CONSTRUCTION HANDBOOK BY USG.

GYPSUM WALLBOARD: STANDARD FIRE CODE, 5/8" THICK, 4 FEET WIDE BY THE LONGEST CONVENIENT LENGTH, TAPERED EDGES, AS PER USG OR EQUAL. 1/2" THICKNESS WHERE SHOWN.

1-1/4" TYPE "W" BUGLE HEAD SCREWS TO FASTEN WALLBOARD TO WOOD FRAMING.

MOISTURE RESISTANT BACKER BOARD WITH TAPERED EDGES. THICKNESS: 5/8" MANUFACTURER: AQUA-TOUGH AS MANUFACTURED BY USG OR APPROVED EQUIV.

FASTENERS FOR BACKER BOARD: TYPE W OR TYPE S H-I/O BUGLE HEAD RUST RESISTANT.

JOINT TREATMENT: MULTI-PURPOSE POLYINDURATE JOINT COMPOUND SPECIFICALLY FORMULATED FOR MULTI-PURPOSE USE FOR JOINT REINFORCED TAPE EMBODIMENT AND MULTIPLE FINISH COATS, 1 TO 2 HOUR HARDENING TIME; CROSS-LAMINATED FIBER TAPE WITH MINIMAL LONGITUDINAL STRETCH AND HIGH TENSILE STRENGTH; SPARK-PERFORATED TO ALLOW AIR TO ESCAPE DURING EMBEDMENT, LIGHTLY PRE-CREASED FOR CORNER APPLICATION.

BACKER BOARD: APPLY 5" WIDE FIBERGLASS MESH OVER JOINTS. EMBED MESH IN GROUT COAT ADHESIVE (ASTM C150, TYPE 1), SKIM COAT WITH GROUT COAT.

CORNER BEAD: GALVANIZED STEEL EXTERNAL CORNER REINFORCEMENT WITH 11/4" WIDE FINE MESH EXPANDED FLANGES.

METAL TRIM: CASING BEAD - GALVANIZED STEEL, "L" SHAPED PERFORATED CHANNEL WITH 1/8" CORNER RIB AND 7/8" FLANGE - SIZE ACCORDING TO 5/8" GYPSUM BOARD.

BULLNOSE CORNER TRIM, 5/8" RADIUS

**SECTION 09310 - CERAMIC TILE**

PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF ALL CERAMIC WALL AND FLOOR TILE AND ACCESSORIES AS NOTED ON THE DRAWINGS AND SPECIFIED HEREIN.

ATTIC STOCK: PROVIDE ONE-HALF (1/2) BOX FOR EACH TYPE PATTERN AND COLOR OF FLOOR AND WALL TILE.

QUALITY ASSURANCE: TILE: STANDARD GRADE, COMPLYING WITH REQUIREMENTS OF ANSI A137.1 WITH MODIFICATION AS SPECIFIED HEREIN.

INSTALLATION: COMPLY WITH ANSI A118.4 "CERAMIC TILE INSTALLED WITH LATEX PORTLAND CEMENT MORTAR". COMPLY WITH ALL APPLICABLE STANDARDS, RECOMMENDATIONS, ETC. OF THE TILE COUNCIL OF AMERICA, INC.

**ACCEPTABLE MANUFACTURERS:**

CT-1 FLOOR TILE: STONEPEAK CERAMICS, INC. QUARTZITE, 4"X24" AND 6"X24", EQUAL QUANTITIES.

CT-2 WALL TILE: CROSSVILLE-CERAMICS CO. COLOR BLOX EC, 6"X6" WITH 4"X12" BULLNOSE AND 6"X12" COVE BASE. PRICE GROUP IV.

COLOR BLOX TOO STRIPES, 6"X12" (ONE ROW ONLY), PRICE GROUP S.

ALL COLORS AS SELECTED BY THE ARCHITECT

**SETTING MATERIALS:**

- A. PORTLAND CEMENT: ASTM C150-02A/E1, TYPE 1
B. HYDRATED LIME: ASTM C207-

**SECTION 09670 - RESILIENT FLOORING**

FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE WORK IN THIS SECTION.

**SUBSTITUTIONS:** MANUFACTURER'S NAMES AND CATALOG NUMBERS LISTED BELOW ESTABLISH THE STANDARD OF QUALITY REQUIRED BUT ARE NOT RESTRICTIVE. SIMILAR AND EQUAL PRODUCTS OF OTHER MANUFACTURERS MAY BE SUBSTITUTED SUBJECT TO ARCHITECTS APPROVAL.

**VCT - VINYL COMPOSITION TILE:**

VINYL COMPOSITION TILE, 12" x 12" x 1/8" TO MEET FEDERAL SPECIFICATIONS SS-1312 TYPE IV AS MANUFACTURED BY ARMSTRONG, KENTLE OR APPROVED EQUIVALENT. COLOR AS SELECTED BY ARCHITECT. PROVIDE AND INSTALL ALL REQUIRED TRIM PIECES WHERE VCT ABUTS DIFFERENT FLOOR MATERIAL.

**SVT - SOLID VINYL TILE:**

JOHNSONITE, TARKETT, I.D. FREEDOM, 18"x18"x.125", STONES COLLECTION. COLOR AS SELECTED BY THE ARCHITECT.

**VP - VINYL PLANK:**

JOHNSONITE, TARKETT, I.D. FREEDOM, 6"x48"x.125", WOODS COLLECTION. COLOR AS SELECTED BY THE ARCHITECT.

**LIN - SHEET LINOLEUM:**

FORBO FLOORING SYSTEM, MARMOLEUM, FRESKO SERIES WITH TOPSHIELD. 78" W. 1/10" GAUGE CLASS 1 ASTM E-648, ASTM F 2034. MULTI-COLOR INSTALLATION, COLORS AS SELECTED BY THE ARCHITECT.

**RUBBER BASE:**

4" RUBBER BASE, COVED AND STRAIGHT, JOHNSONITE, ARMSTRONG, MERCER, ROPPE OR APPROVED EQUIVALENT. INSTALL STRAIGHT BASE AT CARPET, COVED BASE AT HARD SURFACE FLOORING. ALL BASE TO BE ROLL STOCK, 4' LENGTHS NOT PERMITTED. USE PREFORMED OUTSIDE CORNERS AT COVED BASE. COLORS AS SELECTED BY THE ARCHITECT.

**TRANSITIONS/TRIMS**

1/8" THICK, HOMOGENEOUS RUBBER COMPOSITION, TAPERED AS REQUIRED FOR APPLICATION. COLOR AS SELECTED BY THE ARCHITECT. INSTALL AT EXISTING CERAMIC TILE TO SHEET LINOLEUM, CARPET TO SHEET LINOLEUM, AND CARPET TO SOLID VINYL TILE.

**ADHESIVE:** USE ADHESIVES THAT ARE RECOMMENDED BY MANUFACTURER FOR SELECTED FLOOR MATERIAL.

LAY FLOORING OVER CONCRETE THAT IS CLEAN AND FREE FROM IRREGULARITY. PRIOR TO BEGINNING, GRIND UNEVEN CONCRETE AND LEVEL WITH EPOXY PATCHER BY SONNEBORN.

INSTALL USING LOW EMITTING ADHESIVES.

INSTALL RESILIENT FLOORING IN ACCORDANCE WITH THE STANDARD RECOMMENDED METHODS OF THE MANUFACTURER.

**SECTION 09680 CARPET**

FURNISH AND INSTALL CARPET AND RELATED ITEMS.

THE CARPET INSTALLER SHALL HAVE SATISFACTORILY PROVIDED AND INSTALLED COMMERCIAL CARPET FOR AT LEAST 5 YEARS PRIOR TO BIDDING THIS PROJECT.

THE BIDDER, IN SUBMITTING A BID FOR THIS WORK, GUARANTEES ALL END AND SIDE MATCHES TO BE "GOOD COMMERCIAL QUALITY". OBVIOUS DEFECTS IN MATCHING WILL BE CAUSE FOR REJECTION.

THE OWNER WILL BE RESPONSIBLE FOR MOVING OF ALL FURNITURE AND SHELVING TO FACILITATE CARPET INSTALLATION.

ATTC STOCK SHALL BE 3% MINIMUM OF THE AMOUNT AS FIGURES IN THE BASE BID. ATTC STOCK SHALL BE IN FULL WIDTHS AND SHALL BE ROLLED, WRAPPED AND CLEARLY MARKED AS TO SIZE AND COLOR.

MAINTAIN THE TEMPERATURE OF THE INSTALLATION SITE, CARPET AND ADHESIVE BETWEEN 60 DEGREES F AND 85 DEGREES F FOR 24 HOURS PRIOR TO INSTALLATION.

**ACCEPTABLE PRODUCTS:**

CARPET CPT-1: BROADLOOM, LEES, SPECTRUM V BC246, 12, 30 OZ. CPT-2: MODULAR, LEES RANDOM PATH II, 24"x24", GT041, 17 OZ. MULTI DIRECTIONAL INSTALLATION CPT-3: BROADLOOM, LEES, BY THE BOOK GL091, 12, 18 OZ. CPT-4: MODULAR, LEES, FLAME BARRIER III, 61368, 24"x24", 20 OZ. MULTI DIRECTIONAL INSTALLATION

ALL COLORS SELECTED BY THE ARCHITECT

RUBBER MOULDINGS: EDGE AND TRANSITION STRIPS: SEE SPECIFICATION SECTION 09670.

ADHESIVE: ONLY WATERPROOF ADHESIVE, AS RECOMMENDED AND APPROVED BY THE CARPET MANUFACTURER, WILL BE ACCEPTABLE.

**INSTALLATION:**

INSPECT SUBSTRATE BEFORE STARTING WORK. STARTING INSTALLATION OF CARPET SHALL IMPLY ACCEPTANCE OF SUBSTRATE. SUBSTRATES SHALL BE FREE OF DEBRIS, DIRT, GREASE, OIL, AND OTHER FOREIGN MATTER. ALL SURFACES SHALL BE DRY.

CARPET SHALL BE LAID OVER FLOORS CONTINUOUS THROUGH ALL AREAS SHOWN. PRIOR TO INSTALLATION OF MOVABLE EQUIPMENT AND CASEWORK.

THE CARPET INSTALLER SHALL BE RESPONSIBLE FOR CARPET PATTERN MATCH (IF APPLICABLE) AND INSPECTING FOR COLOR MATCH AMONG ROLLS OF CARPET PRIOR TO INSTALLATION. COLOR MATCH OR CONSISTENCY SHALL BE ACCOMPLISHED BY VERIFYING DYE LOT IDENTIFICATION, FIBER OR CARPET DIRECTION AND BY VISUAL INSPECTION.

WHERE POSSIBLE INSTALL CARPET FROM A SINGLE DYE LOT IN ONE COMPLETE AREA. PLAN LAYOUT OF CARPET INSTALLATION TO BEST MATCH DYE LOT SIZE TO AREA OR TO FLOOR MATERIAL DEMARCATIONS.

NOTIFY THE ARCHITECT IMMEDIATELY OF ANY COLOR OR PATTERN INCONSISTENCIES. THE CONTRACTOR WILL NOT BE REIMBURSED FOR CARPET CHANGES REQUIRED DUE TO IMPROPER INSTALLATION AND UNACCEPTABLE COLOR OR PATTERN MATCHING.

ALL SEAMING SHALL BE IN ACCORDANCE WITH THE ARCHITECTS APPROVED LAYOUT AND FINISHING PLAN. ENTIRE INSTALLATION SHALL BE EXECUTED IN A FIRST CLASS, WORKMANLIKE MANNER.

AFTER INSTALLATION THE CARPET SHALL BE COVERED AND PROTECTED FROM SOILING OR DAMAGE IN ALL AREAS OF PRIMARY TRAFFIC OR USE BY CONSTRUCTION TRADES. TEMPORARY COVERINGS MAY BE DRY-ADHERING MATERIAL MADE SPECIFICALLY FOR THIS PURPOSE. DROP CLOTHS OR OTHER SUITABLE MATERIAL REMOVE AT TIME OF SUBSTANTIAL COMPLETION OR AS DIRECTED BY THE ARCHITECT.

AT TIME OF SUBSTANTIAL COMPLETION, ALL CARPETED AREAS SHALL BE TURNED OVER TO OWNER IN ABSOLUTE CLEAN AND STAIN OR BURN FREE CONDITION. ALL METHODS TO ACHIEVE THESE CONDITIONS SHALL BE IN STRICT ACCORD WITH THE MANUFACTURERS SPECIFICATIONS OR RECOMMENDATIONS.

ALL CARPET SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.

**SECTION 09700 - ACOUSTICAL CEILING**

FURNISH AND INSTALL SUSPENDED ACOUSTICAL CEILING AS SPECIFIED, AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

A. CEILING PANELS: ACT-1 USG FROST, 24" x 24" x 3/4", SHADOWLINE (SL), NRC .7, OR APPROVED EQUIVALENT. ACT-2 USG FISSED, 24" x 48" x 5/8", SQUARE EDGE, NRC .55, OR APPROVED EQUIVALENT.

B. SUSPENSION SYSTEM: STANDARD SYSTEM, 15/16" FACE. USG OR CHICAGO METALIC.

C. INSTALLATION: COMPLY WITH ASTM C636 AND MANUFACTURERS RECOMMENDATIONS.

**SECTION 09900 - PAINTING**

FURNISH LABOR, EQUIPMENT AND MATERIALS FOR FINISHING ALL SURFACES REQUIRING SEALING, PAINTING, STAINING AND ALL RELATED ITEMS NECESSARY FOR A COMPLETE FINISHED BUILDING FOR BOTH INTERIOR AND EXTERIOR. IT IS IMPLIED THAT ALL SURFACES ARE TO BE FINISHED EXCEPT THOSE SPECIFICALLY NOTED NOT TO RECEIVE FINISHES ON THE DRAWINGS AND/OR IN THESE SPECIFICATIONS.

ALL COLORS TO BE SELECTED BY ARCHITECT AND FINISHED SURFACES SHALL MATCH COLORS, TEXTURES AND SHEENS SELECTED. ALL MATERIALS TO BE FACTORY MIXED AND LABELED.

PRIMERS SHALL BE COMPATIBLE WITH FINISH COATS.

EXCEPT AS OTHERWISE SPECIFIED HEREIN, OR SPECIFICALLY APPROVED BY THE ARCHITECT IN WRITING, FINISH COATINGS SHALL BE PRODUCTS OF THE FOLLOWING ACCEPTABLE MANUFACTURERS.

THE O'BRIEN CORPORATION THE GLIDDEN CORPORATION PITTSBURGH PAINTS THE PRATT AND LAMBERT, INC. DEVON BENJAMIN MOORE AND COMPANY SHERWIN-WILLIAMS

**SCHEDULE OF PAINTING**

**INTERIOR METAL (FERROUS):** ONE COAT PRIMER (EXCEPT ITEMS WITH SHOP PRIMER COAT), ONE COAT ALKYD ENAMEL SEMI-GLOSS PAINT.

**INTERIOR WOOD NOTED ON DRAWINGS TO BE PAINTED:** ONE COAT PRIMER, TWO COATS ALKYD ENAMEL (EGGSHELL).

**INTERIOR WOOD NOTED ON DRAWINGS TO BE STAINED:** ONE COAT SEALER WITH COLOR PIGMENT OF STAIN, AND SANDPAPER. ONE COAT STAIN, AND SANDPAPER. TWO COATS STAIN FINISH VARNISH, STEEL WOOL LIGHTLY AFTER EACH COAT.

**INTERIOR EXPOSED MECHANICAL AND ELECTRICAL ITEMS:** (EQUIPMENT COVERS AND FRONTS, PIPES, ETC., EXCEPT COPPER PIPE) ONE COAT PRIMER, TWO COATS ALKYD ENAMEL SEMI-GLOSS PAINT.

**DRYWALL:** ONE COAT LATEX PRIMER, TWO COATS LATEX EGGSHELL AT WALLS TWO COATS FLAT AT CEILINGS TWO COATS ALKYD SEMI-GLOSS ENAMEL (WHERE NOTED)

ALL MECHANICAL AND ELECTRICAL PIPES, DUCTWORK AND CONDUIT WHICH WILL BE EXPOSED TO VIEW (INTERIOR AND EXTERIOR INCLUDING INSTALLATIONS ON THE ROOF) FOR THE COMPLETED BUILDING WILL BE PAINTED. EXCEPTION BEING ANY AREA OR ROOM NOT SCHEDULED ON THE DRAWINGS TO BE FINISHED PAINTED.

**APPLICATION - GENERAL:**

- A. PAINT ALL WORK AS SCHEDULED.
- B. EACH COAT APPLIED EVENLY SO AS TO LEAVE NO MARKS, SAGS, OR RUNS.
- C. RATE OF APPLICATION SHALL NOT EXCEED AVERAGE RATE OF COVERAGE RECOMMENDED BY PAINT MANUFACTURER FOR THE TYPE OF SURFACE INVOLVED, LESS TEN PERCENT ALLOWANCE FOR LOSSES, UNLESS MANUFACTURER'S PRINTED RECOMMENDED SPECIFICATIONS STATE THAT THE RECOMMENDED RATE INCLUDES NORMAL EXPECTED LOSSES.
- D. MINIMUM DRY FILM THICKNESS PER COAT NOT LESS THAN THICKNESS RECOMMENDED BY THE PAINT MANUFACTURER.
- E. SURFACE FREE OF SKIPS, VOIDS, PINHOLES, ETC., IN ANY COAT, WHEN TESTED WITH A LOW VOLTAGE "HOLIDAY" DETECTOR.
- F. EACH COAT OF PAINT SHALL BE A PERCEPTIBLY DIFFERENT SHADE OR COLOR.
- G. AN ENTIRE WALL SHALL BE REFINISHED RATHER THAN SPOT FINISHING WHERE A PORTION OF THE FINISH HAS BEEN DAMAGED OR DISTURBED DUE TO ALTERATIONS OR REPAIRS.
- H. MINIMUM DRYING TIME SHALL COMPLY WITH THAT RECOMMENDED BY PAINT MANUFACTURER. EACH COAT SHALL BE THOROUGHLY DRY BEFORE APPLICATION OF SUCCEEDING COATS.
- I. SAND BETWEEN COATS AS REQUIRED FOR FIRST-CLASS FINISH.

**SECTION 09950 - ACOUSTICAL WALL COVERING - SHEET TACK SURFACE**

FURNISH AND INSTALL WALL COVERINGS AND RELATED ITEMS.

**QUALITY ASSURANCE:** SURFACE-BURNING CHARACTERISTICS: PROVIDE WALL COVERINGS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDICES OF NOT MORE THAN 25 AND 450, RESPECTIVELY, PER ASTM E 84.

**ACCEPTABLE PRODUCTS:**

**AWC - ACOUSTICAL WALL COVERING:**

SOURCE ONE, ACOUSTICORD, 79" W. X ROLL LENGTH. SEE DRAWINGS FOR SIZE AND INSTALLATION DIRECTION. COLOR TO BE SELECTED BY ARCHITECT.

**SHEET TACK SURFACE:**

FORBO, BULLETT BOARD, LINOLEUM RESILIENT TACKABLE SURFACE PRODUCT. 48" W. AND 72" W. X 1/2" ROLL LENGTH. COLOR AS SELECTED BY THE ARCHITECT.

**INSTALLATION**

- 1. CLEAN SUBSTRATES OF SUBSTANCES THAT COULD IMPAIR WALL COVERINGS BOND, INCLUDING MOLD, MILDEW, OIL, GREASE, INCOMPATIBLE PRIMERS, AND DIRT.
- 2. PREPARE SUBSTRATES TO ACHIEVE A SMOOTH, DRY, CLEAN SURFACE FREE OF FLAKING, UNSOUND COATINGS, CRACKS, AND DEFECTS.
- 3. ACCLIMATE WALL COVERING MATERIALS BY REMOVING THEM FROM PACKAGING IN THE INSTALLATION AREAS NOT LESS THAN 24 HOURS BEFORE INSTALLATION.
- 4. INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS USING ADHESIVES AS RECOMMENDED BY THE MANUFACTURER.
- 5. REMOVE EXCESS ADHESIVE AT FINISHED SEAMS, PERIMETER EDGES, AND ADJACENT SURFACES USING CLEANING METHODS RECOMMENDED BY WALL COVERING MANUFACTURER. REPLACE MATERIAL THAT CANNOT BE CLEANED.

**SECTION 10100 - MARKERBOARDS AND TACK PANELS**

**WORK DESCRIPTION:**

A. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR COMPLETE INSTALLATION OF ALL MARKERBOARDS AND TACKBOARDS AND ACCESSORIES AS INDICATED ON THE CONSTRUCTION DRAWINGS AND DETAILS AND SPECIFIED HEREIN.

**SUBMITTAL:**

- A. SUBMIT SHOP DRAWINGS AND MANUFACTURER'S PRODUCT DATA TO ARCHITECT FOR REVIEW IN ACCORDANCE WITH SECTION 01340. SHOW ELEVATIONS AND DETAILS.
- B. SUBMIT COLOR SAMPLES TO ARCHITECT FOR COLOR SELECTION.

**WARRANTY:**

A. PROVIDE MANUFACTURER'S WRITTEN WARRANTY FOR PRODUCTS SPECIFIED HEREIN.

**MARKERBOARDS:**

- A. ALUMINUM FRAMED, LCS MARKERBOARDS SHALL BE MANUFACTURED IN STRICT ACCORDANCE WITH THE PORCELAIN ENAMEL INSTITUTE'S SPECIFICATIONS. MARKERBOARDS SHALL COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:
  - 1. FACE SHEET: 24 GAUGE.
  - 2. CORE MATERIAL: 1/2" MDF
  - 3. SIZE: AS NOTED WITHIN THE DRAWINGS.
- B. MARKER TRAY: 265MP3, SATIN ANODIZED ALUMINUM.
- C. MANUFACTURER'S:
  - A. CLARIDGE PRODUCTS, INC.
  - B. OR APPROVED EQUAL.

**TACK PANELS:**

- A. FRAMELESS, VINYL EDGE WRAPPED WITH SQUARE CORNERS. FABRIC OR FACE ON FLAME RETARDANT DURACORE, 1/2" THICKNESS, MODEL 1381FREW, 48" W.
  - 1. TACKBOARDS SHALL BE PROVIDED WITHOUT VERTICAL JOINTS UP TO 120" LONG. WHERE JOINTS ARE REQUIRED, WRAPPED EDGES SHALL BE TIGHT BUTT JOINT.
  - 2. SIZE: AS NOTED WITHIN THE DRAWINGS.
  - 3. MANUFACTURER'S:
    - A. CLARIDGE PRODUCTS, INC.
    - B. OR APPROVED EQUAL.

**TRIM:**

A. WOOD EDGE TRIM BY G.C. SEE DRAWINGS AND DETAILS

**INSTALLATION:**

A. INSTALL MARKERBOARDS AND TACKBOARDS IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

**SECTION 10160 - SOLID PLASTIC TOILET PARTITIONS**

**WORK DESCRIPTION:**

- A. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF ALL TOILET PARTITIONS AND ACCESSORIES AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.
- B. EVERY STALL SHALL HAVE A DOOR WHETHER OR NOT SHOWN ON DRAWINGS.

**RELATED WORK SPECIFIED IN OTHER SECTIONS:**

A. SECTION 10810 - TOILET ROOM ACCESSORIES.

**SUBMITTAL**

- A. SUBMIT COLOR CHART FOR ARCHITECT'S SELECTION IN ACCORDANCE WITH SECTION 01340.
- B. SUBMIT SHOP DRAWINGS TO THE ARCHITECT IN ACCORDANCE WITH SECTION 01340.

**PRODUCTS**

A. TYPE: FLOOR FLOOR MOUNTED, OVERHEAD BRACED.

B. DOORS AND PARTITIONS 1" THICK, CONSTRUCTED OF SOLID PLASTIC, HIGH DENSITY POLYETHYLENE RESINS (HDPE) WITH HOMOGENEOUS COLOR THROUGHOUT. MEET NFPA 286 FIRE TEST CRITERIA.

C. PILASTERS: 1-1/4" THICK, CONSTRUCTED OF SOLID PLASTIC, HIGH DENSITY POLYETHYLENE RESINS (HDPE) WITH HOMOGENEOUS COLOR THROUGHOUT. MEET NFPA 286 FIRE TEST CRITERIA.

D. HEADRAIL: MANUFACTURERS STANDARD, ATTACHED THROUGH TOP OF PILASTERS AND EXTENDING FULL LENGTH OF INSTALLATION AND OVER END COMPARTMENT AND FASTENED INTO WALL BRACKETS. TOP OF HEADRAIL SHALL BE PROVIDED WITH ANTI-GRIP (POINTED) CONTINUOUS CAP.

E. HARDWARE AND FITTINGS: STAINLESS STEEL, ALUMINUM AND/OR BRIGHT FINISH PLATED NON-FERROUS METAL. HINGE DOORS ON GRAVITY HINGES WHICH ARE RECESSED IN EDGE OF DOORS. COMPARTMENTS WITH DOORS FITTED WITH LATCH, COAT HOOK, WITH RUBBER-TIPPED BUMPER. FURNISH ALL NECESSARY BRACKET ANCHORS, BOLTS, SCREWS, ETC.

F. FINISH: COLOR(S) AS SELECTED BY THE ARCHITECT FROM MANUFACTURERS STANDARD COLOR CHART.

G. INSTALL SIZE STALLS AS SHOWN ON THE DRAWINGS.

H. PROVIDE BUILT-IN REINFORCEMENT FOR GRAB RAIL ANCHORAGE. IF REQUIRED.

**ACCEPTABLE MANUFACTURERS:**

- 1. ACCURATE PARTITIONS
- 2. KNICKERBOCKER PARTITION CORPORATION
- 3. SANMYNETL PRODUCTS COMPANY
- 4. APPROVED EQUIVALENT.

**ERECTION:**

A. ERECT ALL WORK PLUMB, TRUE AND SQUARE, CENTER STALLS WITH FIXTURES UNLESS OTHERWISE SHOWN. SECURELY ATTACH PILASTERS AND PANELS TO ADJOINING WORK IN MANNER WHICH WILL PRODUCE A RIGID INSTALLATION FREE FROM MOVEMENT, WEAVING, AND VIBRATION.

B. DO ALL CUTTING AND FITTING OF METAL PARTITION WORK REQUIRED FOR PIPES AND OTHER ITEMS.

C. TOUCH-UP ANY FINISHED SURFACES THAT MAY HAVE BEEN DAMAGED AND LEAVE THE ENTIRE INSTALLATION IN FIRST-CLASS CONDITION.

D. ALL FASTENING DEVICES FOR HARDWARE AND ANCHORAGE SHALL BE TAMPERPROOF.

**INSTALLATION:**

A. INSTALL ALL TOILET PARTITIONS IN STRICT ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS AND IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS.

**SECTION 10810 - TOILET ACCESSORIES:**

FURNISH AND INSTALL ALL ITEMS OF TOILET ACCESSORIES AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.

**ACCEPTABLE MANUFACTURERS:**

BOBRICK WASHROOM EQUIPMENT, INC., CLIFTON PARK NY 12065. BRADLEY CORPORATION, WASHROOM ACCESSORIES, DIV., MT. LAUREL, NJ 08054.

**GRAB BARS:**

- A. CONFIGURATION AND LOCATION SHALL BE AS SHOWN ON DRAWINGS.
- B. PROVIDE ALL APPROPRIATE MOUNTING KITS AND COORDINATION WITH OTHER AFFECTED TRADES.
- C. PRODUCT:
  - 1. BOBRICK:
    - GB-1 - B-6897, 42"x54" SIDE AND BACK WALL OF W.C.;
    - 2REQUIRED, 1 LEFT HAND, 1 RIGHT HAND, MOUNT AT 34" AFF.

**TOILET TISSUE DISPENSERS:**

- A. LOCATE: 18" A.F.F. TO BOTTOM, 34" FROM CORNER TO CENTERLINE.
- B. PROVIDE ALL APPROPRIATE MOUNTING AND COORDINATION WITH OTHER AFFECTED TRADES.
- C. PRODUCT: BOBRICK: TP-1 RECESSED MOUNT B-3888, 2 REQUIRED BOBRICK: TP-2 SURFACE MOUNT B-2888, 1 REQUIRED

**MIRRORS:**

- A. MOUNT BOTTOM OF MIRROR AT 40" A.F.F.
- B. PRODUCT: 18" W. X 36" H. MIRROR WITH 1/2"x1-3/4" OAK FRAME.
- C. TWO REQUIRED EACH RESTROOM.

SOAP DISPENSERS: SD-1 SURFACE MOUNTED, PROVIDED BY OWNER, INSTALLED BY G.C. 4 REQUIRED

**DIAPER CHANGING STATION:**

- A. MOUNT CHANGING SURFACE AT 34" A.F.F.
- B. PROVIDE ALL APPROPRIATE MOUNTING AND COORDINATION WITH OTHER AFFECTED TRADES.
- C. PRODUCT: TOTO MODEL HDR11#SS, TWO REQUIRED.

**ELECTRIC HAND DRYER:**

- A. LOCATE: 48" A.F.F. TO CENTER OF UNIT. SEE PLAN FOR WALL LOCATION.
- B. PROVIDE ALL APPROPRIATE MOUNTING AND COORDINATION WITH OTHER AFFECTED TRADES.
- C. PRODUCT: TOTO MODEL HDR11#SS, TWO REQUIRED.

**WORKMANSHIP:**

- A. ALL ITEMS SHALL BE INSTALLED WITH VANDAL-PROOF STAINLESS STEEL SCREWS.
- B. WHERE EXACT LOCATION OR MOUNTING HEIGHT IS NOT GIVEN, CONSULT WITH THE ARCHITECT BEFORE INSTALLING SUCH ITEMS.
- C. INSTALL ALL ITEMS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

**SECTION 10990 - MISCELLANEOUS SPECIALTIES**

**WORK DESCRIPTION:**

- A. PROVIDE AND INSTALL THE FOLLOWING:
  - 1. GRG COLUMN
  - 2. FIBERGLASS SPHERE
  - 3. TECHNOLOGY ACCESSORIES
  - 4. BOOK DROP SLOT

B. LOCATE WHERE INDICATED ON THE CONSTRUCTION DOCUMENTS.

**SUBMITTALS:**

A. SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW IN ACCORDANCE WITH SECTION 01340 IN THE PROJECT MANUAL.

**GRG COLUMN:**

A. FURNISH AND INSTALL PREFABRICATED GLASS-FIBER REINFORCED GYPSUM COLUMN

B. COLUMN TO BE 10" OUTSIDE DIAMETER X APPROX. 42". TWO PIECE CONSTRUCTION ASSEMBLED, TAPED, FINISHED AND PAINTED IN FIELD.

C. SEE DRAWINGS FOR DETAILS. ONE (1) REQUIRED

**MANUFACTURER:**

- 1. MELTON CLASSICS, INC.
- 2. APPROVED EQUIVALENT.

E. INSTALL IN ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.

**FIBERGLASS SPHERE:**

- A. 8" OUTSIDE DIAMETER FIBERGLASS WHOLE SPHERE.
- B. MANUFACTURER:
  - 1. ASSOCIATED FIBERGLASS ENTERPRISES (800-798-6561).
  - 2. APPROVED EQUIVALENT.
- C. INSTALL USING FLAT HEAD WOOD SCREWS, TOP AND BOTTOM.

**TECHNOLOGY ACCESSORIES:**

- A. COUNTER TOP WIRE GROMMET: 2-1/2" DIA. PLASTIC, EDP SERIES BY DOUG MOCKETT & CO. OR APPROVED EQUIVALENT. LOCATE IN COUNTER TOPS AS DIRECTED, QUANTITY OF EIGHT (8) REQUIRED IN BASE BID, TWENTY SIX (26) IN ALTERNATE BID, ALTERNATE A-1. COLOR AS SELECTED BY THE ARCHITECT.
- B. UNDER-COUNTER WIRE MANAGER, 3"x3", WM9 SERIES BY DOUG MOCKETT & CO. OR APPROVED EQUIVALENT. LOCATE UNDER COUNTERS AS SHOWN ON DRAWINGS. NINE (9) L.F. REQUIRED IN BASE BID, EIGHTY FOUR (84) L.F. REQUIRED IN ALTERNATE BID, ALTERNATE A-1.
- C. CPU HOLDER, ADJUSTABLE UNDER-COUNTER MOUNT, MODEL CPU1A BY DOUG MOCKETT & CO. OR APPROVED EQUIVALENT. MOUNT WHERE SHOWN ON THE DRAWINGS. ONE (1) REQUIRED. UNDER COUNTER KEYBOARD TRAY: KP0M2-90 BY DOUG MOCKETT & CO. OR APPROVED EQUIVALENT. MOUNT WHERE SHOWN ON THE DRAWINGS. ONE (1) REQUIRED.

**BOOK DROP SLOT**

- A. FURNISH AND INSTALL THROUGH WALL BOOK SLOT
- B. SLOT TO BE ALUMINUM CONSTRUCTION, DOOR 4 1/4" X 11-1/2" W. SQUARE LEVEL AND PLUMB UNITS.
- C. ANODIZED ALUMINUM FINISH, NO ENGRAVING, STRAIGHT WALL LINER, INCLUDE BACK PLATE.
- D. MFR. THE MAILBOX WORKS, OR APPROVED EQUIVALENT.
- E. INSTALL AS RECOMMENDED BY THE MFR.
- F. ONE REQUIRED

**SECTION 12305 PLASTIC LAMINATE CASEWORK**

**WORK DESCRIPTION:**

A. FURNISH AND INSTALL PREFABRICATED CASEWORK AND ASSOCIATED ITEMS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.

**SUBMITTAL:**

- A. SUBMIT SHOP DRAWINGS AND MANUFACTURER'S DATA TO ARCHITECT FOR REVIEW IN ACCORDANCE WITH SECTION 01340.
- B. SHOW LAYOUT AND INSTALLATION DETAILS.
- C. IDENTIFY ALL WORK UNDER THIS SECTION.
- D. SUBMIT PLASTIC LAMINATE COLOR SELECTIONS FOR ARCHITECT'S COLOR SELECTION.
- E. VERIFY ALL FIELD DIMENSIONS, FOR PROPER FIT OF WORK UNDER THIS SECTION.

**GENERAL COMPLIANCE REQUIREMENTS:**

A. ALL CASEWORK AND ITS ASSOCIATED EQUIPMENT AS SHOWN ON THE DRAWINGS AND SCHEDULED SHALL BE PROVIDED BY ONE SOURCE TO ENSURE CONSISTENCY OF VISUAL APPEARANCES, HARDWARE, ETC.

B. PLUMBING-MECHANICAL-ELECTRICAL ITEMS: UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ITEMS OF PLUMBING, MECHANICAL, AND ELECTRICAL, REQUIRED IN PIECES OF CASEWORK WILL BE PROVIDED AND INSTALLED UNDER THE WORK OF THE APPLICABLE TRADES.

C. THE WORK UNDER THIS SECTION INCLUDES ALL CASEWORK CUT-OUTS TO RECEIVE ANY ITEM TO BE INSTALLED IN THE CASEWORK, WHERE PRACTICAL, CUT-OUTS SHALL BE PRECUT BY THE CASEWORK MANUFACTURER. OTHERWISE, CUT-OUTS TO BE MADE AT TIME OF CASEWORK INSTALLATION. ALL CUT-OUTS TO BE MADE FROM TEMPLATES OR DIMENSIONS PROVIDED BY THE MANUFACTURER OF A PARTICULAR ITEM TO BE INSTALLED.

**CASEWORK**

A. CASEWORK CONSTRUCTION: EITHER 3/4" WOOD, PLYWOOD, OR MONOLITHIC FLAKEBOARD, FACED WITH HIGH PRESSURE PLASTIC LAMINATE FOR ALL EXTERIOR VERTICAL SURFACES. PLASTIC LAMINATE SHALL MEET NEMA STANDARDS FOR VERTICAL GRADE. PLASTIC LAMINATE COLORS, PATTERNS AND TEXTURES WILL BE SELECTED BY THE ARCHITECT FROM THE LAMINATE MANUFACTURERS COMPLETE LINE.

B. INTERIOR SURFACES SHALL BE FINISHED WITH COLOR PHENOLIC OVERLAY WHERE EXPOSED TO SEMI VIEW, AND COLOR POLYESTER OVERLAY WHEN EXPOSED TO FULL VIEW.

C. ALL DOOR AND DRAWER EDGES AND FACES SHALL BE FACED WITH HIGH PRESSURE PLASTIC LAMINATE

D. BACKING SHEET, WHEN SPECIFIED OR SCHEDULED: HEAVY GAUGE HIGH PRESSURE PLASTIC LAMINATE BALANCING SHEET, IN MANUFACTURER'S STANDARD AVAILABLE COLOR, MEETING NEMA STANDARDS FOR VERTICAL GRADE, MATTE FINISH.