

ARCHITECTURAL ABBREVIATIONS

<p> AT ANCHOR BOLT ABS AIR BARRIER SYSTEM ASV ABOVE A/C AIR CONDITIONING ACP ACOUSTICAL CEILING PANEL ACT ACOUSTICAL CEILING TILE ACW ALUMINUM CLAD WINDOW ACWP ALUMINUM COMPOSITE WALL PANEL ADJ ADJUSTABLE AFF ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM A-PT ACCENT PAINT AP ACCESS PANEL APC ARCHITECTURAL PRECAST CONCRETE AS ALUMINUM STOREFRONT ATTN ATTENTION AUTO AUTOMATIC AVG AVERAGE AW ALUMINUM WINDOW AWC ACOUSTICAL WALL COVERING AWP ACOUSTICAL WALL PANEL BD BOARD BF BARRIER FREE BLDG BUILDING BLK BLOCK BLKG BLOCKING BM BENCH MARK BRG BEARING BSMT BASEMENT BUR BUILT-UP ROOF C CARPET CAB CABINET CB CHALKBOARD CCTV CLOSED CIRCUIT TELEVISION CFMF COLD FORMED METAL FRAMING CG CORNER GUARD CIPC CAST IN PLACE CONCRETE CJ CONTROL JOINT CLG CEILING CLR CLEAR CM CENTIMETER CMBD CEMENT BOARD CMU CONCRETE MASONRY UNIT CO CLEAN OUT COL COLUMN CONC CONCRETE CONCT CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CORR CORRIDOR CR CLASSROOM CRS COURSE CSMU CAST STONE MASONRY UNIT C-TILE CERAMIC TILE CTSK COUNTERTOP CUFT CUBIC FOOT CUD CUBIC YARD CW CURTAIN WALL CWF CEMENTITIOUS WOOD FIBER DECK D DEPTH, DEEP DBL DOUBLE DEMO DEMOLITION DEPT DEPARTMENT DF DRINKING FOUNTAIN DG DOOR GRILLE DAG DIAGONAL DIA DIAMETER DIM DIMENSION DIV DIVISION DL DOOR LOUVER DN DOWN DP DAMP PROOFING DR DISPLAY RAIL DS DOWNSPOUT DTL DETAIL DWG DRAWING DWR DRAWER EA EACH EF EXHAUST FAN EFS EXTERIOR FINISH SYSTEM EFS EXTERIOR INSULATION FINISH SYSTEM EJ EXPANSION JOINT EL ELEVATION ELAS ELASTOMERIC ELEC ELECTRICAL ELEV ELEVATION EMER EMERGENCY EPS EXPANDED POLYSTYRENE EPX EPOXY EPX PT EPOXY PAINT EQ EQUAL EQUIP EQUIPMENT EST ESTIMATE ETR EXISTING TO REMAIN EWC ELECTRIC WATER COOLER EXH EXHAUST EX EXISTING EXP EXPANSION EXT EXTERIOR F FURNACE FAAF FLUID APPLIED ATHLETIC FLOORING FB FACE BRICK FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISHED FLOOR FFE FINISHED FLOOR ELEVATION FGL FIBERGLASS FGRC FIBERGLASS REINFORCED CONCRETE FH FIRE HYDRANT FHC FIRE HOSE CABINET FHV FIRE HOSE VALVE CABINET FIN FINISHED </p>	<p> FLR FLOOR FLRG FLOORING FDN FOUNDATION FO FACE OF CONCRETE FOM FACE OF MASONRY FR FIRE RATED FRA FIRE RATED ASSEMBLY FRM FRAME FRP FIBERGLASS REINFORCED PLASTIC FRT FIRE RETARDANT TREATED FT FOOT FTG FOOTING FURN FURNITURE FV FIRE VALVE CABINET FWC FABRIC WALL COVERING GA GAUGE GALL GALLON GALV GALVANIZED GB GYPSUM BOARD GFRG GLASS REINFORCED GYPSUM GFRCC GLASS REINFORCED CONCRETE GL GLASS GL-BLK GLASS BLOCK GPL GYPSUM PLASTER GPM GALLONS PER MINUTE GRAN GRANITE GSU GLAZED STRUCTURAL UNIT GT GLASS TILE GWIT GLAZED WALL TILE GYP GYPSUM H HIGH HB HOSE BIB HBD HARD BOARD HDR HEADER HDNR HARDENER HDWD HARDWOOD HDWR HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HP HORSEPOWER HFP HIGH PERFORMANCE FLOOR PAINT HR HOUR HT HEIGHT HTD HEATING HTR HEATER HVAC HEATING, VENTILATION, AIR CONDITIONING ID INSIDE DIAMETER IN INCH INCL INCLUDE INFO INFORMATION INST INSTALLATION INSUL INSULATION INT INTERIOR IRWC IMPACT RESISTANT WALL COVERING IWB INTERACTIVE WHITE BOARD JAN JANITOR JC JANITOR CLOSET JCT JUNCTION JO JOINT KO KNOCKOUT L LENGTH/LONG LAB LABORATORY LAJ LOCAL AUTHORITY HAVING JURISDICTION LAM LAMINATE LAV LAVATORY LBS POUNDS LMF LIGHT GAUGE METAL FRAMING LH LEFT HAND LIN LINOLEUM LKR LOCKER LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LMC LINEAR METAL CEILING LPS LAMINATE PANEL SYSTEM LT LIGHT LVR LOUVER M METER MACH MACHINE MATL MATERIAL MAS MASONRY MAX MAXIMUM MB MARKER BOARD MBL MARBLE MCP MECHANICAL CEILING PANEL MECH MECHANICAL MED MEDIUM MEMB MEMBRANE MFR MANUFACTURER MIF MULTICOLOR INTERIOR FINISHING MN MINIMUM MR MIRROR MISC MISCELLANEOUS MLDG MOULDING MM MILLIMETER MO MASONRY OPENING MPS MANUAL PROJECTION SCREEN MR MAP RAIL MT MOUNT MTD MOUNTED MTG MOUNTING MTL METAL MTB METAL BASE MWP MEMBRANE WATERPROOFING NA NOT APPLICABLE NIC NOT IN CONTRACT NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER OVHD OVERHEAD OPNG OPENING OPP OPPOSITE OPP HD OPPOSITE HAND PC PRECAST PCP PORTLAND CEMENT PLASTER PERF PERFORATED </p>	<p> PERM PERIMETER PIP POURED IN PLACE PLAM PLASTIC LAMINATE PLAS PLASTER PLYWD PLYWOOD PLWD PLASTIC LAMINATE WOOD POLY POLYETHYLENE PP PORCELAIN PAVEMENT PPS POWER PROJECTION SCREEN PPT PRESSURE PRESERVATIVE TREATED PRF PREFABRICATED PREFIN PREFINISHED PREP PREPARE/PREPARATION PRS PROJECTOR SCREEN PNB PENCIL SHARPENER BLOCK PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PAINT PAINT PTN PARTITION PNEU PNEUMATIC TUBE SYSTEM PVL POLYVINYL CHLORIDE PAV PAVEMENT PVM PERFORATED VINYL WALL COVERING QTY QUANTITY QUARRY TILE QUARRY TILE RISER RISER RA RETURN AIR RAD RADIUS RUB RUBBER BASE RCP REFLECTED CEILING PLAN RO ROOF DRAIN RECP RECEPTACLE REF REFRIGERATOR REINFORC REINFORCING REM RECESSED ENTRY MAT RES RESINOUS FLOORING RFG ROOFING RFT RUBBER FLOOR TILE RH RIGHT HAND RL RAIN LEADER RM ROOM RO ROUGH OPENING RRT RUBBER FLOOR TILE RSR RESILIENT STAIR TREAD RT RIGHT RTU ROOFTOP UNIT RW RIGHT OF WAY R/W SOUND ATTENUATION BLANKET SCHEDULE SCHEDULE SF SQUARE FOOT SGB SECURITY GLASS BOARD SHM SECURITY HOLLOW METAL SHEATHING SHG SHEATHING SIM SIMILAR SFRM SPRAYED FIRE RESISTANT MATERIAL SPEC SPECIFICATION SPC SPRAYED POLYURETHANE FOAM SPR SPRINKLER SQ SQUARE SRD SECONDARY ROOF DRAIN SS STAINLESS STEEL ST STREET STC STRUCTURAL TRANSMISSION COEFFICIENT STD STANDARD STL STEEL STRUC STRUCTURAL SUSP SUSPENDED SV SHEET VINYL SWM SECURITY WOVEN MESH SY SQUARE YARD SYM SYMMETRICAL T TREAD TB TACK BOARD TEL TELEPHONE T&G TONGUE & GROOVE THHD THRESHOLD THK THICK TO TOP OF TOS TOP OF STEEL TOW TOP OF WALL TR TREATED TS TACK STRIP TV TELEVISION TYP TYPICAL UC UNDERCUT UG UNDERGROUND UH UNIT HEATER UNO UNLESS NOTED OTHERWISE VCT VINYL COMPOSITION TILE VSD VISUAL DISPLAY BOARD VERT VERTICAL VEST VESTIBULE VR VAPOR RETARDER VRB VINYL/RUBBER BASE VT VINYL TILE VTR VENT THROUGH ROOF VWC VINYL WALL COVERING W WIDE W/ WITH WB WOOD BASE WC WATER CLOSET WCP WOOD CEILING PANEL WD WOOD WD-PNL WOOD PANELING WDW WINDOW WH WATER HEATER W/O WITHOUT WP WATERPROOFING WPT WORKING POINT WR WATER RESISTANT WSCOT WAINSCOT WSF WOOD SPORTS FLOORING WT WEIGHT WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH YD YARD </p>
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ARCHITECTURAL REFERENCE SYMBOLS

<p>SECTION INDICATOR: REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.</p>	<p>KEYNOTE INDICATORS: REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.</p>
<p>SECTION INDICATOR: REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.</p>	<p>DRAWING BLOCK TITLE INDICATOR: REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.</p>
<p>ELEVATION INDICATOR: REFERENCE ELEVATION LOCATION FOR ADDITIONAL INFORMATION.</p>	<p>SPACE INDICATOR: REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.</p>
<p>MATCH LINE INDICATOR: REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.</p>	<p>MECHANICAL ROOM: RELATES TO NEW SPACE NAME. CHARACTER RELATES TO NEW NUMERIC SPACE TAG. 100 SQ. FT. NEW SPACE AREA.</p>
<p>DATUM INDICATORS: REFERENCE BUILDING PLANS FOR ADDITIONAL INFORMATION.</p>	<p>REVISION INDICATOR: REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.</p>
<p>WALL TYPE INDICATORS: REFERENCE RATED ASSEMBLIES SHEET FOR ADDITIONAL INFORMATION.</p>	<p>DOOR INDICATOR: REFERENCE DOOR SCHEDULE FOR ADDITIONAL INFORMATION.</p>
<p>FINISH INDICATORS: REFERENCE FINISH PLANS FOR ADDITIONAL INFORMATION.</p>	<p>WINDOW INDICATOR: REFERENCE WINDOW SCHEDULE FOR ADDITIONAL INFORMATION.</p>

GENERAL ARCHITECTURAL NOTES:

- ALL WORK IS TO BE DONE IN ACCORDANCE W/ ALL GOVERNING CODES & REGULATING AGENCIES. THIS PROJECT IS DESIGNED & DOCUMENTED PER THE ARCHITECT'S INTERPRETATION OF THE CODE REQUIREMENTS. VARIOUS GOVERNING AGENCIES SOMETIME INTERPRET THE CODES, LAWS, & ORDINANCES DIFFERENTLY. THESE AGENCIES HAVE JURISDICTION TO REQUIRE CHANGES IN DESIGN & CONSTRUCTION INCLUDING THOSE AGENCIES INVOLVED W/ THE "AMERICANS W/ DISABILITIES ACT".
- THE ARCHITECTURAL PLANS SHOWN HEREIN MAY NOT CORRESPOND TO PLANS FINALLY APPROVED BY THE ARCHITECT, OWNER, OR NECESSARY AGENCIES. IT IS THE RESPONSIBILITY OF THE PARTY OR PARTIES RELYING ON THESE PLANS TO VERIFY & CONFIRM SAID ARCHITECTURAL PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS. DIMENSIONS SHALL PREVAIL. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS RELATED TO THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. IF CONTRACTOR FAILS TO VERIFY DIMENSIONS AS INDICATED, ANY AND ALL CORRECTIVE ACTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL INTERIOR DIMENSIONS ARE SHOWN STUD TO STUD & DO NOT INCLUDE WALL FINISHES.
- ALL DOOR OPENINGS SHALL BE LOC. 4" FROM ADJOINING WALL U.N.O.
- FIELD VERIFY PLAN DIMENSIONS PRIOR TO ANY CASEWORK FABRICATION.
- ALL NEW WALLS SHALL BE FINISHED TO MATCH EXIST. SURFACES INCLUDING PRIMER & PAINT.
- CAULK ALL JENTS BETWEEN DIFFERENT MATERIALS IE: GYP. BD. & MASONRY.
- WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLP CONNECTIONS FOR FLR. & CLG. DEFLECTION.
- ALL STEEL STUDS TO BE BRACED PER MFC'S. LIMIT HEIGHT (L/240)

FLOOR PLAN NOTES:

1. ALL INTERIOR WALLS TO BE 3 1/2" WD. STUDS @ 16" O.C. W/ 1/2" GYP. BD. ON BOTH SIDES U.N.O.
2. CONTACT ARCHITECT FOR REVIEW OF ON-SITE LAYOUT OF WALLS PRIOR TO CONSTRUCTION.
3. FIELD VERIFY PLAN DIMENSIONS PRIOR TO ANY CASEWORK FABRICATION.
4. PROVIDE WD. BLOCKING FOR ALL WALL CABINETS, ALL WALL ACCESSORIES & EQUIP., & ALL OWNER SUPPLIED EQUIP. AS SHOWN OR IMPLIED ON DRAWINGS.
5. ALL DIMENSIONAL LUMBER IS TO BE STRUCTURAL GRADE #1 SOUTHERN YELLOW PINE OR APPROVED EQ.
6. ALL FRAMING WORK IS TO BE DIRECTLY SUPERVISED BY A QUALIFIED, EXPERIENCED CARPENTER. MIN. INDUSTRY STANDARDS FOR PLUMB & LEVEL WALLS WILL BE EXPECTED FOR ALL WORK.
7. REFER TO FLOOR PLANS FOR BALANCE OF DIMENSIONS & INFO.
8. ALL WINDOWS WITHIN 24" OF ANY DOOR (REGARDLESS OF WALL PLANE), & WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE FLOOR OR WALKING SURFACE SHALL HAVE TEMPERED GLAZING.
9. INSTALL ROOFING MATERIALS ACCORDING TO MFG'S RECOMMENDATIONS FOR THE AREA & CLIMATE. INCLUDING BUT NOT LIMITED TO SHINGLES, TILES, FELTS, FLASHING, & FASTENING DEVICES.
10. CONTRACTOR TO COORDINATE THE LOC. OF LIGHTING, CABLE & PHONE OUTLETS W/ OWNER DURING ROUGH-IN WALK-THRU.
11. PROVIDE DRYER VENTING PER RESIDENTIAL CODE.
12. ANY RATED WALLS IF SHOWN, SHALL HAVE RATED OPENINGS WHERE THEY PENETRATE RATED WALL.

ROOF PLAN NOTES:

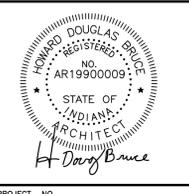
1. ALL WORK SHALL BE IN ACCORDANCE W/ THE BEST QUALITY STANDARDS OF THE TRADE & SHALL CONFORM W/ THE LATEST EDITION OF ALL FEDERAL, STATE, & LOCAL CODES & STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, AS REPEATED HEREIN.
2. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL & DRAWINGS, & BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
3. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. HOWEVER SYSTEMS HAVE BEEN SHOWN DIAGMATICALLY & IN SOME CASES, ENLARGED FOR CLARITY. PROVIDE ADDITIONAL ITEMS AS REQ'D. TO PROVIDE A COMPLETE & COORDINATED SYSTEM.
4. CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS FROM THE BLDG. & ROOF DAILY.
5. STORE VOLATILE OR FLAMMABLE LIQUIDS IN UL LISTED FIRE CABINETS.
6. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS & EQUIP. INSIDE OR OUTSIDE THE BLDG.
7. CONTRACTOR SHALL FURNISH NECESSARY TEMPORARY PROTECTION FROM WEATHER TO PROTECT INTERIOR OF BLDG. FROM ELEMENTS OF WEATHER @ ALL TIMES.
8. CONTRACTOR RESPONSIBLE FOR TRAFFIC PROTECTION DURING CONSTRUCTION. AREAS OF WORK & TRAFFIC BY VARIOUS TRADES SHALL BE PROTECTED BY TEMP. WALKING PADS.
9. PROVIDE TR. WD. BLOCKING EQ. IN THICKNESS TO INSUL. SYSTEM @ ROOF PERIMETER & AROUND ALL ROOF PENETRATIONS. ANCHOR PER SECTION 1-49 OF THE FM GLOBAL LOSS PREVENTION GUIDE.
10. EXTEND ALL PLUMBING VENTS TO PROVIDE A MIN. OF 12" OF HT. FROM TOP OF INSUL. ALL FITTINGS TO BE AIR & WATER TIGHT. SEE PLUMBING PLANS.
11. ROOF INSUL. SADDLES & CRICKETS ARE DIAGMATIC. ROOF INSUL. MFG'S. SHALL DESIGN & SIZE THESE PER ROOF MEMBRANE MFG'S. RECOMMENDATIONS. CRICKETS & SADDLES TO BE A MIN. WIDTH OF 1/2 THE SADDLE LENGTH.
12. PROVIDE SADDLES/CRICKETS AROUND ALL NEW ROOF TOP EQUIP.
13. PROVIDE TAPERED INSUL. WHERE REQ'D. TO TRANSITION FROM ONE INSUL. HT. TO ANOTHER.
14. NOTCH ALL INSUL. AS REQ'D. TO ACCOMMODATE SURFACE MTD. CONDUIT, FASTENERS, OFFSETS & OTHER PROJECTIONS EXTENDING ABOVE THE SURFACE OF THE DECK.
15. PERIMETER EDGE MTL. TO COMPLY WITH ANSI/SPRI ES-1 FM GLOBAL 1-49.
16. SEE MECHANICAL, ELECTRICAL & PLUMBING (MEP) SHEETS FOR ROOF TOP EQUIP.



REVISIONS

NO.	DATE	DESCRIPTION

A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
 XXX
 BLOOMINGTON, INDIANA 47403



PROJECT NO.	1616
DATE	08.17.16
DRAWN BY	C. SCHAEFFER
CHECKED BY	D. BRUCE
SHEET NAME	ARCHITECTURAL SYMBOLS & ABBREVIATIONS
SHEET NO.	AD001

ARCHITECTURAL
SYMBOLS &
ABBREVIATIONS
AD001

DEMOLITION PLAN KEYNOTES:

- ** VERIFY WITH OWNER WHICH EXISTING ITEMS ARE TO BE SALVAGED AND TURNED OVER TO THE OWNER FOR THEIR USE. EXTRA CARE SHOULD BE TAKEN WITH THESE ITEMS.
- 1 REMOVE EXISTING PLUMBING FIXTURES (WATER CLOSETS, URINALS, LAVS).
 - 2 REMOVE & DISPOSE OF EXISTING VINYL FLOOR AND COVE BASE. PREPARE FOR NEW FLOOR FINISH AS SCHEDULED.
 - 3 REMOVE & DISPOSE OF EXISTING CEILING SYSTEM COMPLETE INCLUDING LIGHT FIXTURES.
 - 4 REMOVE EXISTING BASE CABINET & COUNTERTOP.
 - 5 REMOVE EXISTING DOOR, FRAME & HARDWARE.
 - 6 REMOVE ALL EXISTING TOILET PARTITIONS AND HARDWARE.
 - 7 REMOVE EXISTING WINDOW.
 - 8 REMOVE & DISPOSE OF EXISTING FRP WALL PANELING.
 - 9 REMOVE AND DISPOSE OF ALL EXISTING PLUMBING SUPPLY LINES AND WASTE LINES INCLUDING CAST IRON HUBS, SUPPORTS AND VALVES.
 - 10 REMOVE PORTION OF EXISTING WALL FOR CONSTRUCTION OF NEW DOOR OPENING. REMOVE AND REPLACE ITEMS ON WALL AS NEEDED TO REPLACE FRP SURFACE.
 - 11 EXISTING CASEWORK TO REMAIN.
 - 12 EXISTING DRINKING FOUNTAIN TO REMAIN.
 - 13 REMOVE EXISTING LAY-IN CEILING GRID THIS AREA AND INSTALL NEW LAY-IN CEILING AND GRID AS SPECIFIED.
 - 14 TO REMOVE EXISTING DOOR AND FRAME. INSTALL NEW PAINTED HM FRAME WITH STAINED FLUSH SOLID CORE WOOD DOOR AND NEW HARDWARE.

DEMOLITION ABBREVIATIONS

- ** REMOVE & SALVAGE EXISTING ITEMS FOR THE OWNERS USE
- TP - TOILET PAPER DISPENSERS
 - SD - SOAP DISPENSERS
 - MR - MIRRORS
 - HD - HAND DRYERS
 - GB - GRAB BARS
 - PT - PAPER TOWEL DISPENSERS
 - CS - BABY CHANGING STATIONS
 - SN - SANITARY NAPKIN DISPOSALS
 - AF - AIR FRESHENERS

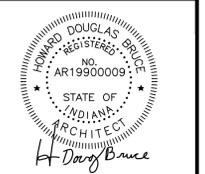


△ REVISIONS

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A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
XXX
BLOOMINGTON, INDIANA 47403



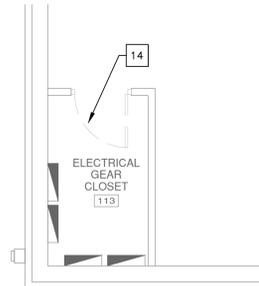
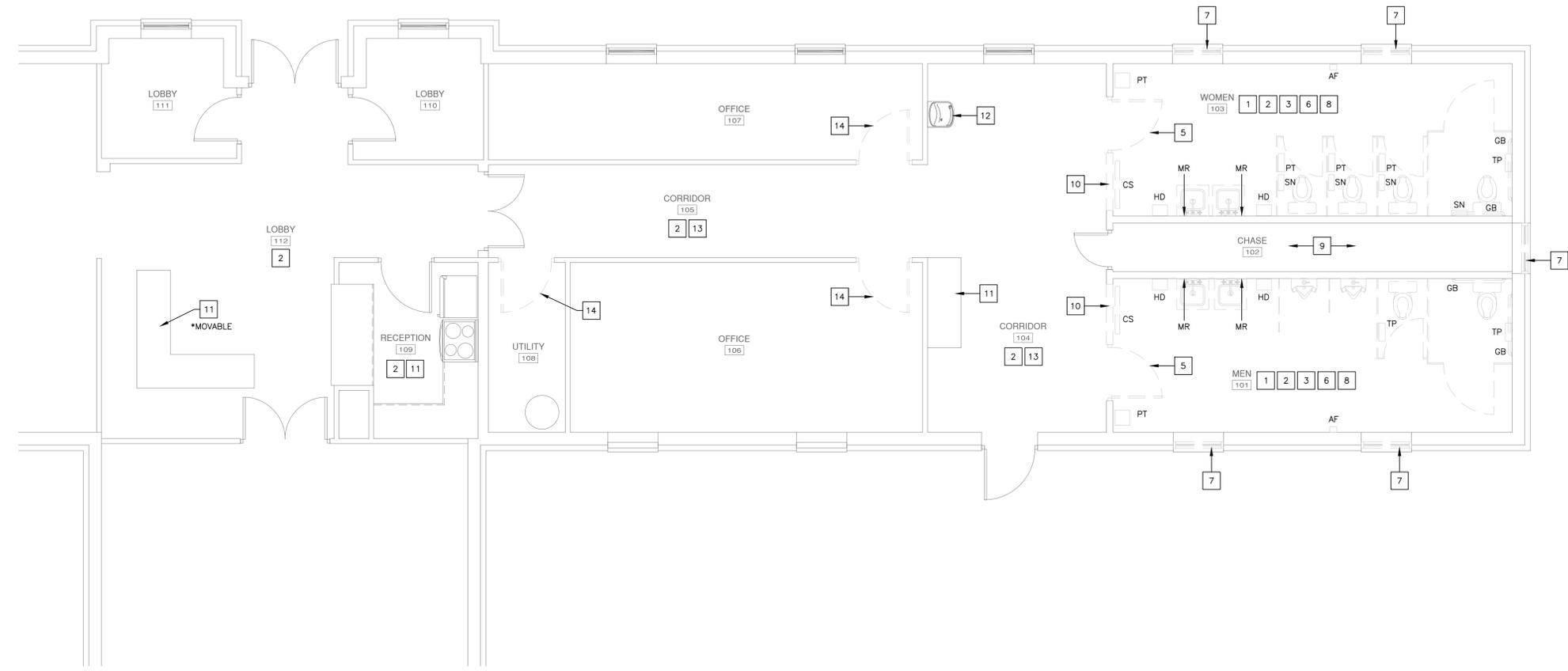
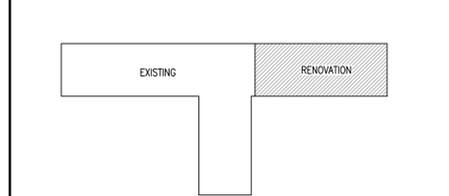
PROJECT NO. 1616
DATE 08.17.16
DRAWN BY C. SCHAEFFER
CHECKED BY D. BRUCE
SHEET NAME

DEMOLITION PLAN

SHEET NO.

AD101

KEYPLAN



DEMOLITION PLAN
1/4" = 1'-0" N

FLOOR PLAN KEYNOTES:

- 1 PROVIDE NEW FLOORING THIS AREA AS SPECIFIED.
- 2 PROVIDE NEW DOOR, FRAME & HARDWARE. SEE SCHEDULE.
- 3 PROVIDE LITE KIT (TEMPERED), SEE SCHEDULE.
- 4 EXISTING WINDOW TO REMAIN.



REVISIONS

A NEW RENOVATION FOR:
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JUKEBOX RESTROOM**
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GENERAL FLOOR PLAN NOTES:

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- ALL INTERIOR DIMENSIONS ARE SHOWN STUD TO STUD & DO NOT INCLUDE WALL FINISHES.
- ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJOINING WALL UNLESS NOTED OTHERWISE.
- FIELD VERIFY PLAN DIMENSIONS PRIOR TO ANY CASEWORK FABRICATION.
- ALL NEW WALLS SHALL BE FINISHED TO MATCH EXISTING SURFACES INCLUDING PRIMER & PAINT.
- CAULK ALL JOINTS BETWEEN DIFFERENT MATERIALS IE: GYPSUM BOARD & MASONRY.
- ALL WINDOWS WITHIN 24" OF ANY DOOR (REGARDLESS OF WALL PLANE), & WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE FLOOR OR WALKING SURFACE SHALL HAVE TEMPERED GLAZING.
- ANY OPERABLE WDW'S. W/ SILL LESS THAN 36" ABV. FIN. FLR. SHALL BE EQUIPPED W/ A OPENING CONTROL DEVICE PER 1013.8.1.
- IF NO WINDOW SCHEDULE IS PRESENT, CONTRACTOR/OWNER SHALL PROVIDE A MIN. OF 1 CODE COMPLIANT EGRESS WINDOW IN EVERY SLEEPING ROOM.
- SIZE OF STAIR RISERS MAY VARY ACCORDING TO SIZE OF FLOOR SYSTEM.



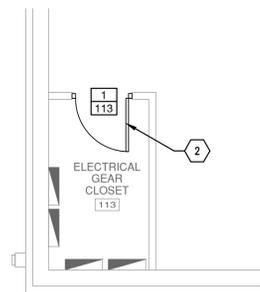
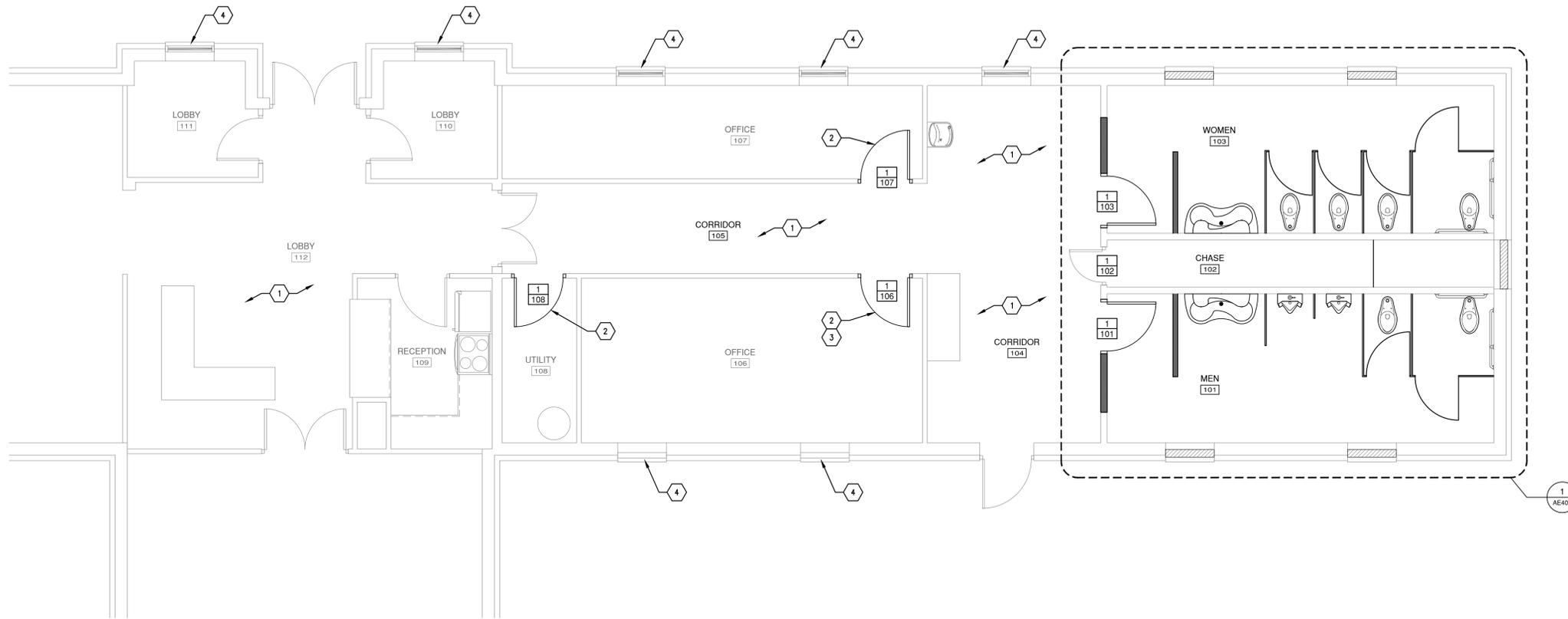
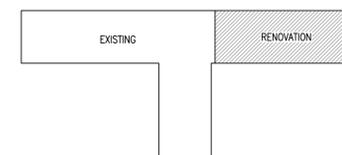
PROJECT NO. 1616
DATE 08.17.16
DRAWN BY D. BRUCE
CHECKED BY D. BRUCE
SHEET NAME

FLOOR PLAN

SHEET NO.

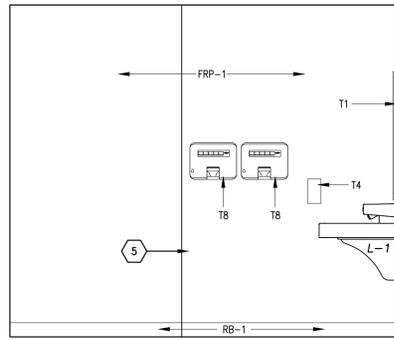
AE101

KEYPLAN

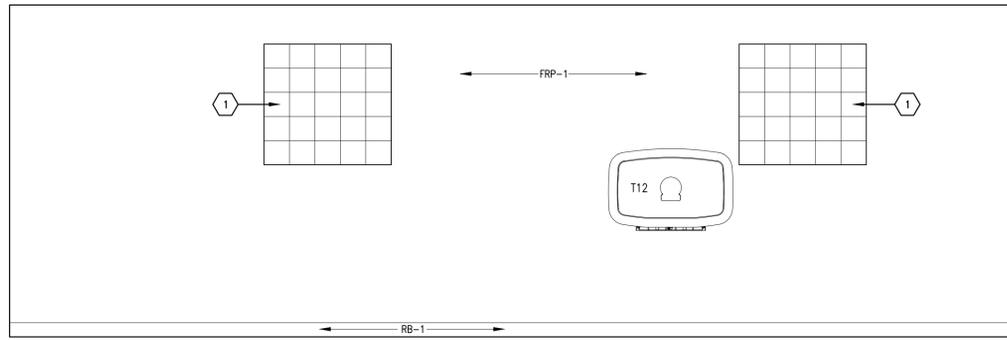


FLOOR PLAN
1/4" = 1'-0"



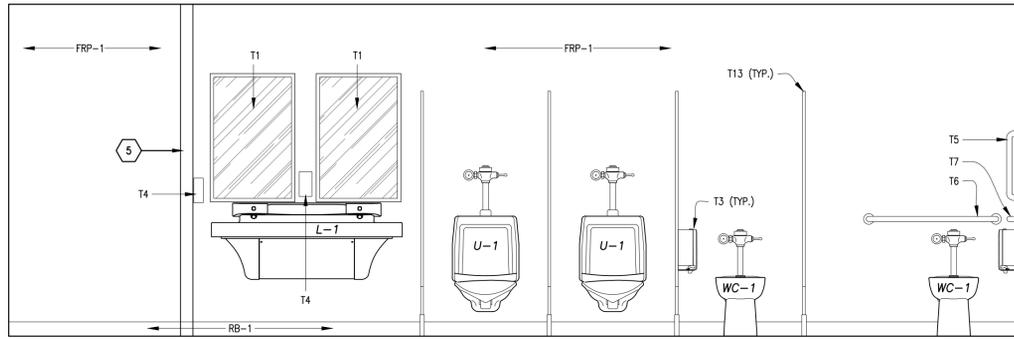


3 MEN'S TOILET ROOM
1/2" = 1'-0"

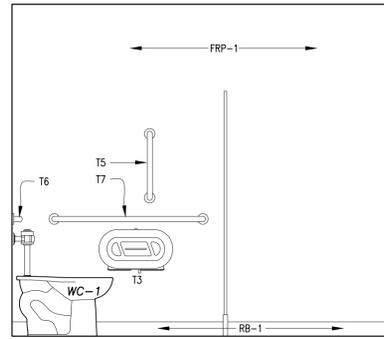


2 MEN'S TOILET ROOM
1/2" = 1'-0"

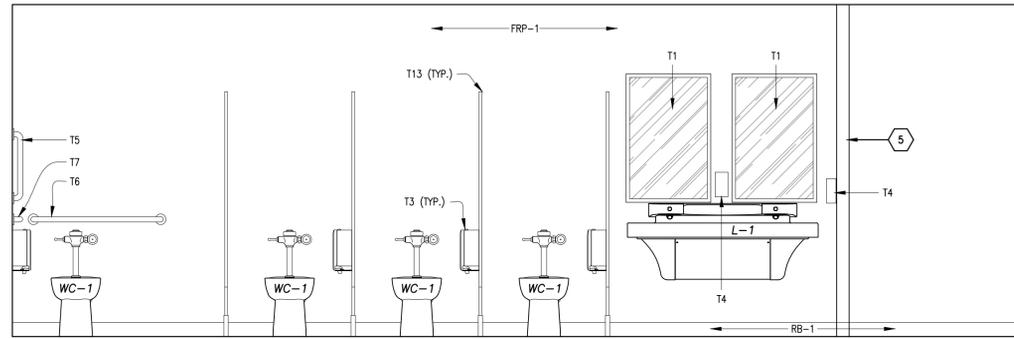
*SEE IN601 FOR INTERIOR FINISH SCHEDULE



5 MEN'S TOILET ROOM
1/2" = 1'-0"

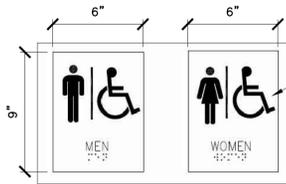


4 MEN'S TOILET ROOM
1/2" = 1'-0"



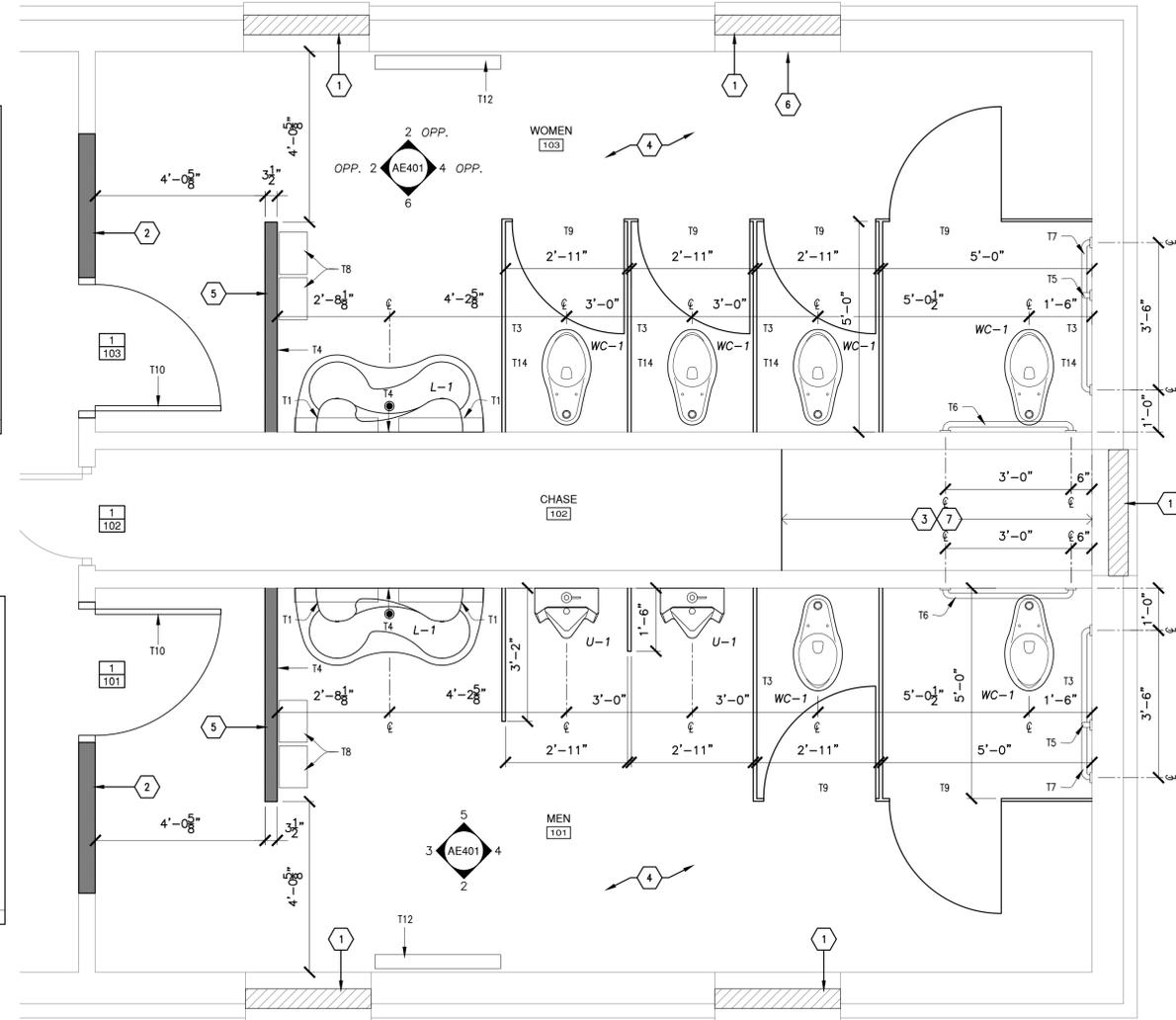
6 WOMEN'S TOILET ROOM
1/2" = 1'-0"

*SEE IN601 FOR INTERIOR FINISH SCHEDULE



ADA COMPLIANT, HIGH IMPACT PLASTIC SIGN W/ DARK BACKGROUND + LIGHT PICTOGRAM + GRADE 2 BRILLE. SIGN SHALL HAVE 1/32" RAISED CHARACTERS. SIGNS TO BE MOUNTED @ 48" A.F.F. TO BASELINE.

7 ADA SIGNAGE DETAIL
N.T.S.



1 ENLARGED FLOOR PLAN
1/2" = 1'-0"

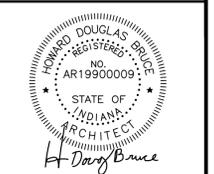
TOILET ACCESSORIES SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
T1	MIRROR	BOBRICK "CLASSIC SERIES"	B-1658	24" X 36" MOUNT BASE @ 40" AFF
T2				
T3	TOILET TISSUE DISPENSER			SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR - MOUNT 24" AFF TO CENTERLINE
T4	SOAP DISPENSER			SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
T5	VERTICAL GRAB BAR	BOBRICK	B-6806.99 X 18"	SS #4 SATIN FINISH, BLOCKING AS REQ'D.
T6	HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 X 36"	SS #4 SATIN FINISH, BLOCKING AS REQ'D.
T7	HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 X 42"	SS #4 SATIN FINISH, BLOCKING AS REQ'D.
T8	ELECTRIC HAND DRYER	EXCEL	XLERATOR XL-GR	SURFACE MOUNTED, 240 VOLT/6.5 AMP, SENSOR OPERATED, HIGH VELOCITY HAND DRYER.
T9	COAT HOOK	BOBRICK	B-212	MOUNT ON BACK OF PARTITION DOORS @ 64" AFF
T10	TOILET ROOM SIGNAGE			SEE DETAIL
T11	WASTE RECEPTAL			BY OWNER
T12	BABY CHANGING STATION	KOALA BEAR KARE	KB200-00	LOCATED IN BOTH MEN'S & WOMEN'S TOILET ROOMS
T13	TOILET PARTIONS/URINAL SCREEN	BOBRICK	CL 1080 (PHONOLIC)	TOILET: FLOOR MOUNTED, OH BRACED W/ SATIN STAINLESS STEEL INSTITUTIONAL GRADE HARDWARE. URINAL: 42" HIGH. HARDWARE SHALL INCLUDE 16 GAUGE FULL HEIGHT BRACKETS AND HINGES, 11 GAUGE KEEPER, SLIDE LATCH, DOOR STOP, COAT HOOK AND AN ANTI-GRIP EXTRUDED ALUMINUM HEADRAIL.
T14	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SS #4 SATIN FINISH

- FLOOR PLAN KEYNOTES:**
- INFILL EXISTING WINDOW OPENING WITH 6" FROSTED GLASS BLOCK.
 - INFILL WALL OPENING TO MATCH EXISTING ADJACENT MATERIALS AND FINISH.
 - INFILL FLOOR OPENING TO MATCH EXISTING ADJACENT MATERIALS AND FINISH.
 - ALL WALL SURFACES TO RECEIVE NEW FRP PANELS (FRP-1). INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 - NEW 2x4 WOOD STUD WALL WITH 5/8" TYPE "X" GYP. BOARD AND FRP PANEL BOTH SIDES.
 - AREA OF WATER DAMAGED WALL/FLOORING. REPAIR ANY FRAMING OR FLOORING AS REQUIRED TO REPAIR DAMAGED AREAS.
 - INSTALL 2X10 WD. JOISTS @ 16 O.C. IN JOIST HANGERS W/ 3/4" PLYWOOD SUBFLOORS.



REVISIONS

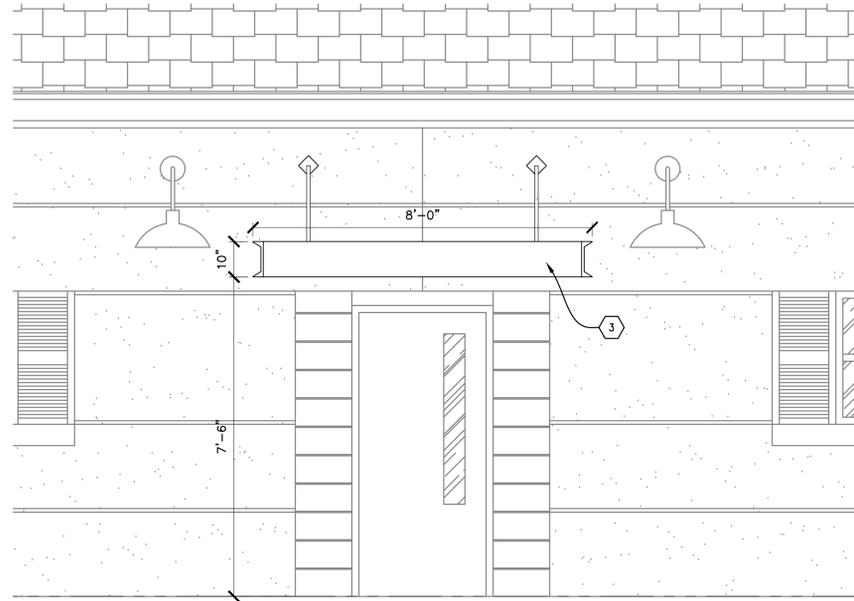
A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
XXX
BLOOMINGTON, INDIANA 47403



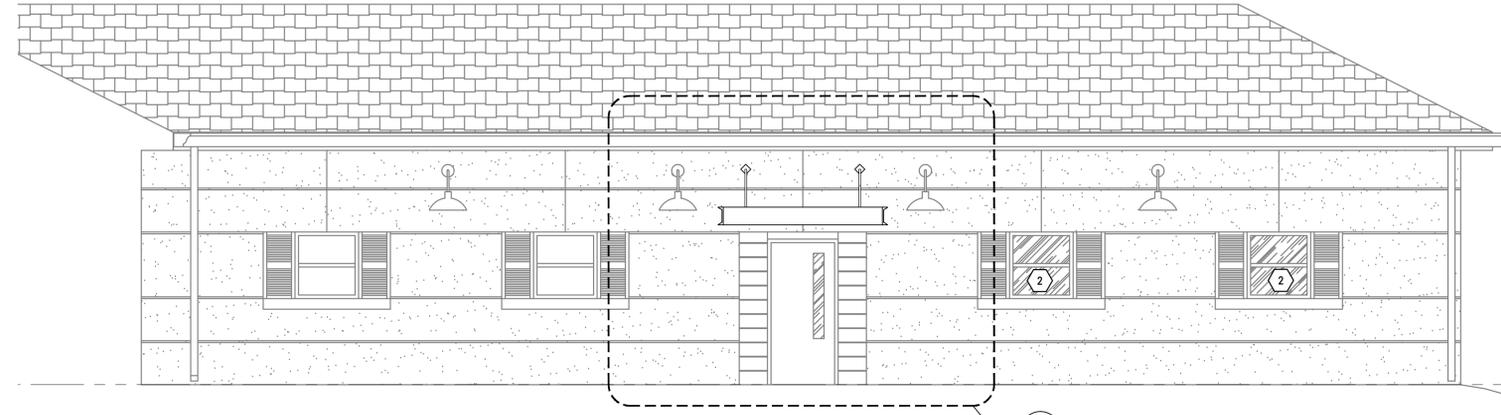
PROJECT NO. 1616
DATE 08.17.16
DRAWN BY C. SCHAEFFER
CHECKED BY D. BRUCE

ENLARGED FLOOR PLAN & INT. ELEVATIONS
SHEET NO.

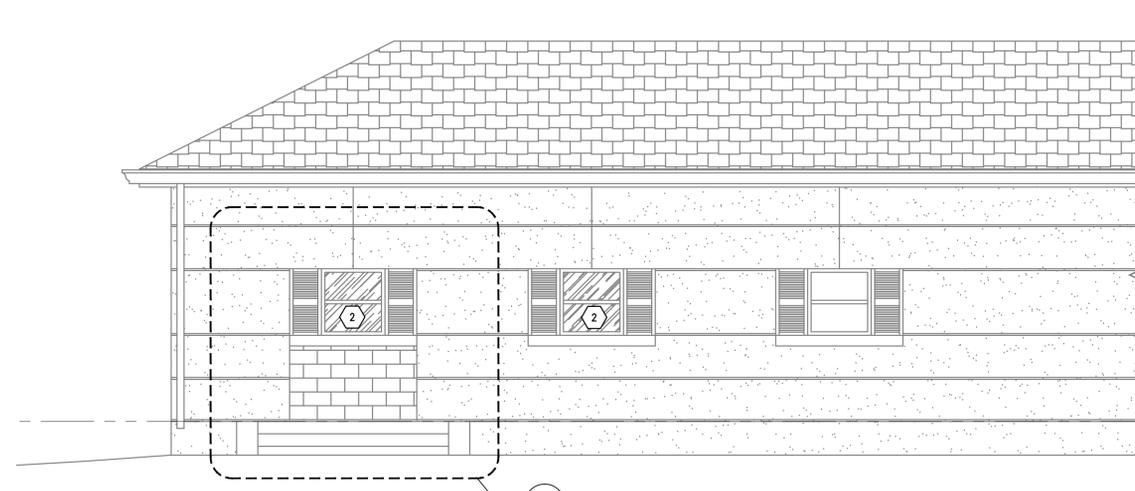
AE401



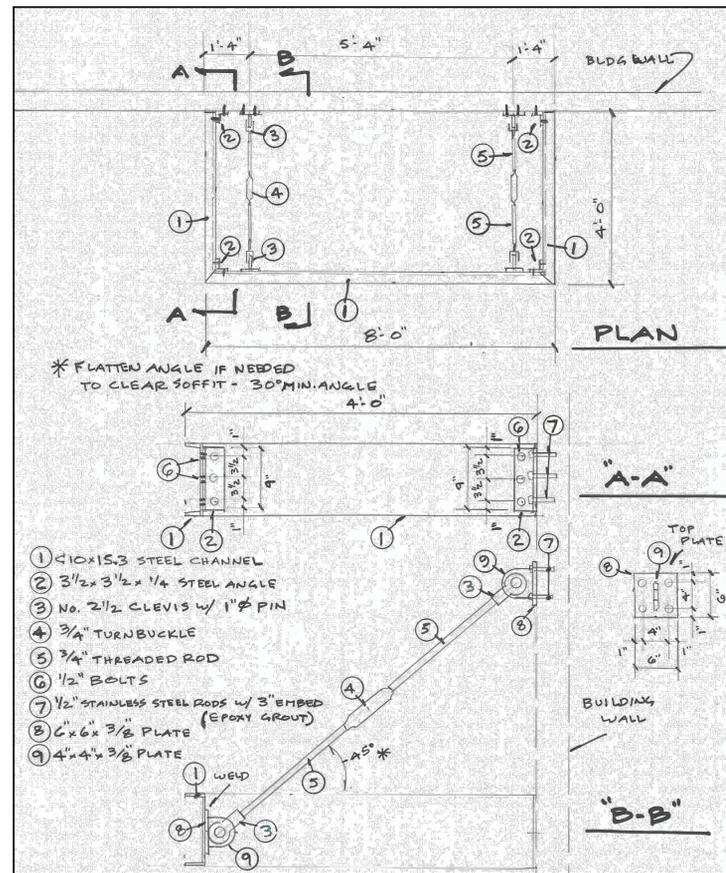
5 ENLARGED ELEVATION
1/2" = 1'-0"



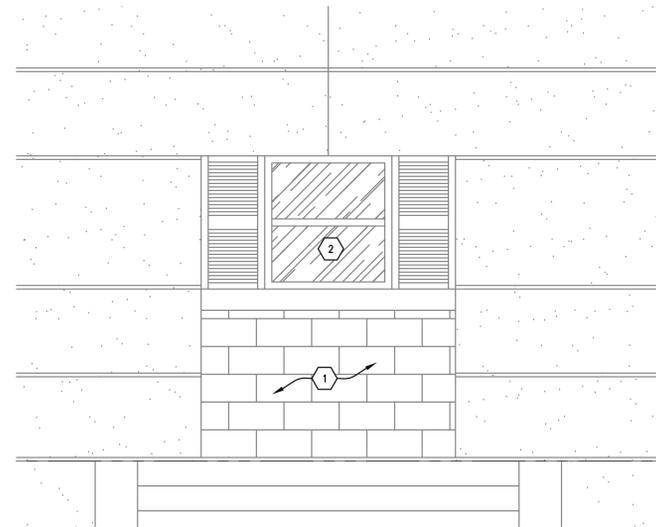
1 EXTERIOR ELEVATION
1/4" = 1'-0"



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



4 CANOPY STRUCTURAL DETAIL
N.T.S.



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

ELEVATION KEYNOTES:

- 1 REMOVE DAMAGED CMU UNITS WITHIN THIS INFILLED AREA. INSTALL NEW CMU UNITS AS NEEDED. TUCKPOINT EXISTING MORTAR.
- 2 REMOVE EXISTING WINDOW AND FRAME. INSTALL NEW GLASS BLOCK IN LIEU OF NEW WINDOW IN OPENINGS. CAULK AND SEAL.
- 3 NEW PAINTED METAL CANOPY FRAME WITH THREADED TURNBUCKLES. FRAME HAS NO ROOF & CONSISTS OF "C" CHANNELS. SEE DETAIL 4/AE201.

REVISIONS

A NEW RENOVATION FOR:
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JUKEBOX RESTROOM
XXX
BLOOMINGTON, INDIANA 47403



PROJECT NO. 1616
DATE 08.17.16
DRAWN BY C. SCHAEFFER
CHECKED BY D. BRUCE

SHEET NAME
EXTERIOR ELEVATIONS

SHEET NO.

AE201

FINISH LEGEND:

CEILING

ACOUSTIC CEILING TILE:

ACT-1 MANUFACTURER: ARMSTRONG
STYLE: CIRRUS
NUMBER: TEGULAR
COLOR: WHITE

EXPOSED STRUCTURE:

ES EXPOSED STRUCTURE UNFINISHED

CEILING PAINT:

CP-1 MANUFACTURER: VALSPAR
STYLE: X
NUMBER: X
COLOR: X

WALLS

FRP (FIBER-REINFORCED PLASTIC):

FRP-1 MANUFACTURER: NUDD * SMOOTH TEXTURE FRP PANEL LAMINATED TO 1/2" FIR EXTERIOR PLYWOOD. PROVIDE COORDINATING PVC MOLDINGS AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.
STYLE: NUFIBER
NUMBER: S-F3P500
COLOR:

PAINT:

ET-1 MANUFACTURER: VALSPAR
STYLE: X
NUMBER: X
COLOR: X

FLOORING

EXPOSED POURED CONCRETE:

EPC-1 MANUFACTURER: X
STYLE: X
NUMBER: X
COLOR: X

VINYL COMPOSITION TILE:

VCT-1 MANUFACTURER: ARMSTRONG
STYLE: EXCELON
NUMBER: X
COLOR: X

BASE

RUBBER BASE:

RB-1 MANUFACTURER: FLEXCO - PROVIDE AT ALL LOCATIONS OF NEW FLOORING
STYLE: X
NUMBER: X
COLOR: X

DOOR AND FRAME SCHEDULE

FLOOR	DOOR										FRAME			FIRE RATING LABEL	CONT. HINGE - ALUM. FRAME	CLOSER w/ STOP & HOLD OPEN	TUBULAR DEADBOLT	OFFICE LOCKSET	STORAGE LOCKSET	RECESSED DOOR PULL	SWEEP	ALUM. THRESHOLD	NOTES
	MARK	SIZE			MATL	ELEV	GLAZING	MATL	ELEV	DETAIL													
		DOOR #	ROOM #	WD						HGT	THK	HEAD	JAMB										
	1	101	3'-0"	EXIST	1 3/4"	HM	D1	-	HM	F1	C/AE601	D/AE601	-	-	1	1	1	-	-	1	-	-	VERIFY NEW FRAME SIZE WITH EXISTING WALL THICKNESS. PAINTED METAL.
	1	102	EXIST	EXIST	1 3/4"	SCW	D1	-	HM	F1	A/AE601	B/AE601	-	-	1	1	1	-	-	1	-	-	VERIFY RETROFIT FRAME SIZE WITH EXISTING FRAME. STAINED WOOD DOOR.
	1	103	3'-0"	EXIST	1 3/4"	HM	D1	-	HM	F1	C/AE601	D/AE601	-	-	1	1	1	-	-	1	-	-	VERIFY NEW FRAME SIZE WITH EXISTING WALL THICKNESS. PAINTED METAL.
	1	106	EXIST	EXIST	1 3/4"	SCW	D2	-	HM	F1	E/AE601	F/AE601	-	-	-	1	1	-	-	-	-	-	STAINED HC BIRCH FLUSH DOOR W/ TEMPERED GLASS LITE.
	1	107	EXIST	EXIST	1 3/4"	SCW	D1	-	HM	F1	E/AE601	F/AE601	-	-	-	-	1	-	-	-	-	-	STAINED HC BIRCH FLUSH DOOR.
	1	108	EXIST	EXIST	1 3/4"	SCW	D1	-	HM	F1	E/AE601	F/AE601	-	-	-	-	1	-	-	-	-	-	STAINED HC BIRCH FLUSH DOOR.
	1	113	EXIST	EXIST	1 3/4"	SCW	D1	-	HM	F1	E/AE601	F/AE601	-	-	-	-	-	1	-	-	-	-	STAINED HC BIRCH FLUSH DOOR.

DOOR SCHEDULE ABBREVIATIONS:

ALUM ALUMINUM
ASF ALUMINUM STOREFRONT
FG FIBERGLASS
CLOS CLOSER
HM HOLLOW METAL
HCW HOLLOW CORE WOOD
MDF MEDIUM-DENSITY FIBERBOARD
SCW SOLID CORE WOOD
SLH SPRING LOADED HINGES
VIN VINYL
W WEATHERSTRIP
WD WOOD
FRP FIBERGLASS REINFORCED POLYESTER

FRAME SPECIFICATIONS:

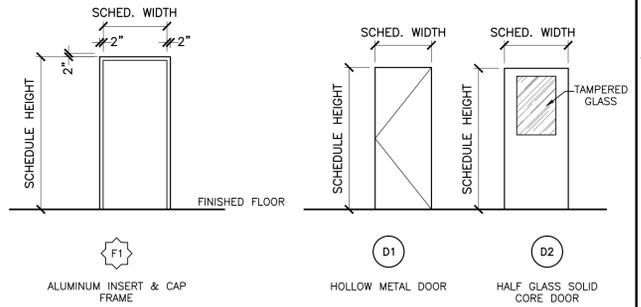
- FINISH: CLASS 1 COLOR AS SELECTED BY OWNER
- PRODUCT: (DOOR 1/102) SPECIAL-LITE "10-30" SERIES INSERT FRAME WITH INTERNAL WEATHERSTRIPPED DOOR STOP AND SPECIAL-LITE "SL-70" .093", THICK 2-PIECE CAPPING SYSTEM.
- PRODUCT: (DOORS 1/101 & 1/103) SPECIAL-LITE SL-240 SERIES (VERIFY SIZE)

DOOR SPECIFICATIONS:

- CONSTRUCTION: 0.120 FIBERGLASS REINFORCED POLYESTER FACE SHEETS, WEATHER BAR STABILIZER, INTERNAL HARDWARE REINFORCEMENT, ALUMINUM PERIMETER STILES AND RAILS JOINED WITH MITERED ANGLE JOINTS AND 3/16" ANGLE BLOCKS SECURED BY A FULL WIDTH GALVANIZED TIE ROD IN A SPLINE, POURED-IN-PLACE R-11 POLYURETHANE CORE, TUBULAR ALUMINUM STILE WITH INTEGRAL STIFFENERS, AND INTERNAL REGLET. SEE HARDWARE SCHEDULE FOR RECESSED DOOR PULLS.
- FACTORY INSTALL HARDWARE TO GREATEST EXTENT POSSIBLE.
- PRODUCT: SPECIAL-LITE FRP FLUSH "SL-17", COLOR AS SELECTED BY OWNER.

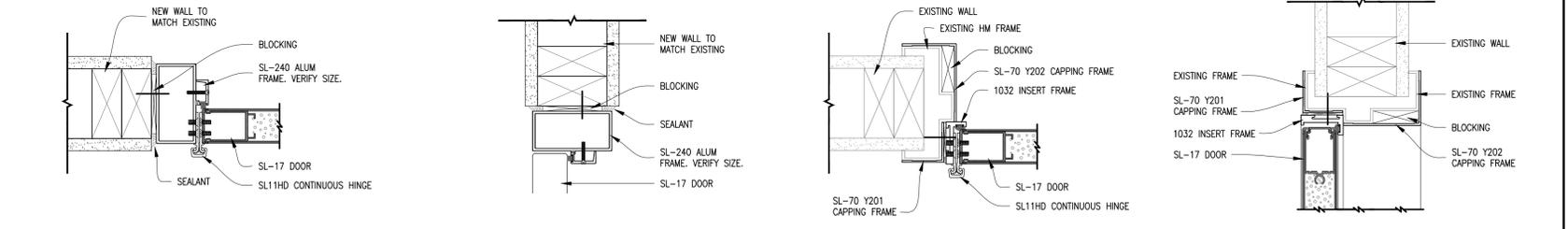
HARDWARE SPECIFICATIONS:

CONTINUOUS HINGE - ALUMINUM FRAME
- DESCRIPTION: HEAVY DUTY, FULLY CONCEALED, EXTRUDED ALUMINUM GEARED HINGE - PRODUCT: SELECT HINGES SL11HD
DOOR CLOSER w/ STOP & HOLD OPEN
- DESCRIPTION: GRADE 1, PARALLEL ARM w/ COMPRESSION STOP & HOLD OPEN, SURFACE MOUNTED, HEAVY DUTY, CLOSER w/ A FULL CLOSER COVER, DARK BRONZE FINISH, AND MEETING ADA REQUIREMENTS FOR CLOSERS. INCLUDE BRACKETS, PLATES, SPACER SHOES, ETC. AS REQUIRED FOR EACH SPECIFIC INSTALLATION. ALL CLOSERS MUST BE INDEXED FOR PROPER BACKCHECK AND CLOSER OPERATION.
- PRODUCT: LCN 4041 SHCUSH, 30, 61.
TUBULAR DEADBOLT
- DESCRIPTION: US 613 FINISH, 7 PIN, TUBULAR DEADBOLT w/ XXXXX FUNCTION, 2-3/4" BACKSET, CONCEAL SCREWS, HIGH SECURITY STRIKE, ADA TURN LEVER, AND 1-1/8" x 2-1/4" SQUARE CORNER STAINLESS STEEL BOLT w/ 1" THROW.
- PRODUCT: BEST B3T 7 L S5 CS - BEST T SERIES
RECESSED DOOR PULL
- DESCRIPTION: ANODIZED RECESSED DOOR PULL, 8-11/16" HIGH x 6-1/16" WIDE w/ 5" x 2" GRIP SURFACE AND A 1-1/2" BOTTOM OPENING.
- PRODUCT: SPECIAL-LITE SL-86

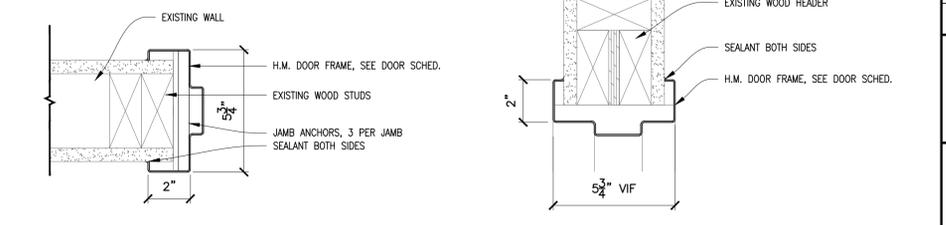


FRAME TYPES **DOOR TYPES**

1/4" = 1'-0"



D ALUM INTERIOR DOOR JAMB 3" = 1'-0"
C ALUM INTERIOR DOOR HEAD 3" = 1'-0"
B ALUM INTERIOR DOOR JAMB 3" = 1'-0"
A ALUM INTERIOR DOOR HEAD 3" = 1'-0"

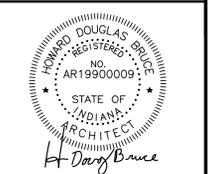


F HM INTERIOR DOOR JAMB 3" = 1'-0"
E HM INTERIOR DOOR HEAD 3" = 1'-0"

TABOR BRUCE ARCHITECTURE & DESIGN INC.
1101 S. WALNUT STREET - BLOOMINGTON, IN. 47401
TELEPHONE: (812) 332-6298 WEB: WWW.TABORBRUCE.COM

REVISIONS

A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
XXX
BLOOMINGTON, INDIANA 47403



PROJECT NO. 1616
DATE 08.17.16
DRAWN BY C. SCHAEFFER
CHECKED BY D. BRUCE
SHEET NAME

DOOR/WINDOW SCHEDULES & DETAILS

SHEET NO.
AE601

ELECTRICAL SPECIFICATIONS

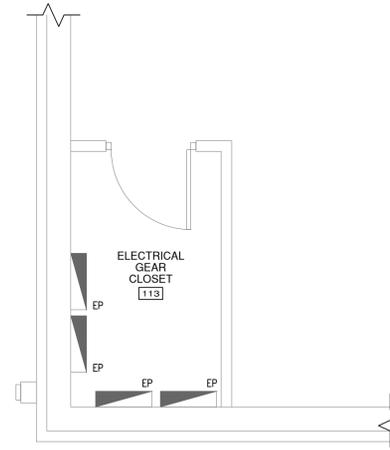
-  LITHONIA CEILING RECESSED 2' X 4' FLUORESCENT FIXTURE. CONNECT TO THE EXISTING ORIGINAL CIRCUIT AND THRU THE NEW OCCUPANCY SENSOR.
-  GREENHECK MODEL #MOW CEILING MOUNTED OCCUPANCY SENSOR WITH DELAYED SHUT-OFF ADJUSTABLE FROM 1-20 MIN. CONNECT WITH THE INTERIOR LIGHTING CIRCUIT.
-  EXISTING ELECTRICAL PANEL LOCATION.
-  HAND DRYER LOCATION.

ELECTRICAL PLAN KEYNOTES:

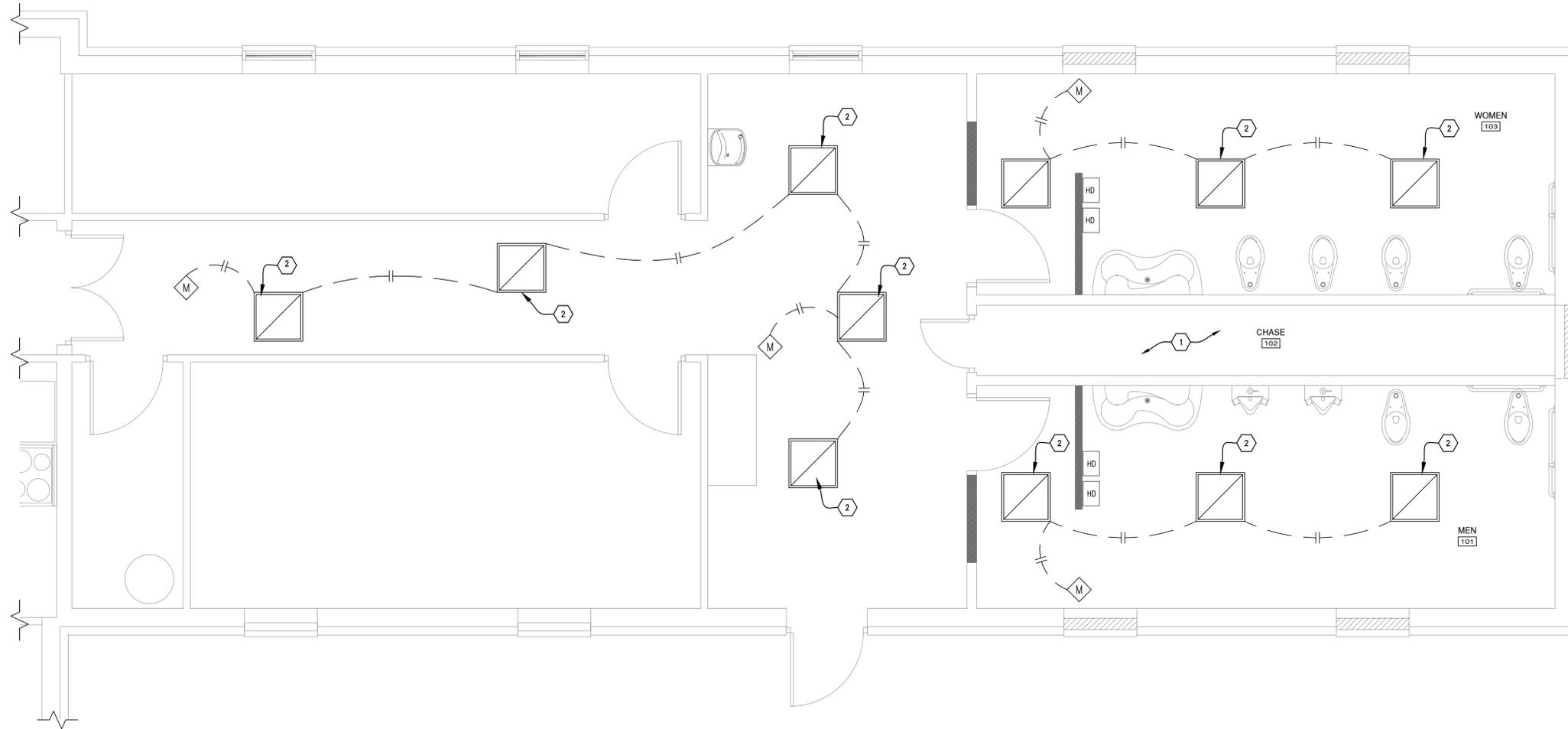
-  NO WORK IN THIS AREA.
-  INSTALL NEW 2X2 LAY-IN LED LIGHT FIXTURES AS TOPAZ F-L2X2/40W/840/D

CONTRACTOR TO PROVIDE THE FOLLOWING FOR THE EXISTING ELECTRICAL ROOM:

1. BALANCE THE PANELS. REDISTRIBUTE ALL 120 VOLTS LEADS EVENLY ON THE TWO EXISTING 600 AMP LEGS.
2. IDENTIFY EXISTING BREAKER LOADS AND AREAS SERVED, IE. RESTROOMS, RECEPTACLES, KITCHEN EQUIPMENT, OFFICE.
3. PRINT AND INSTALL A NEW CIRCUIT LABEL TO THE INSIDE OF PANEL DOOR.
4. REPLACE ANY BREAKERS THAT ARE QUESTIONABLE AS TO OPERATIONAL FUNCTION.
5. IDENTIFY AND LABEL EXISTING ELECTRICAL ROOM TIMERS, BOXES AND AUXILIARY EQUIPMENT.
6. DISCONNECT AND REMOVE ALL UNUSED OR ABANDONED EQUIPMENT.
7. INSPECT ALL OUTDOOR (SHELL) LIGHTING AND RECEPTACLES FOR ANY INSTALLATION AND WEATHERPROOFING DEFICIENCIES.



2 ELECTRICAL ROOM PLAN
3/8" = 1'-0" 

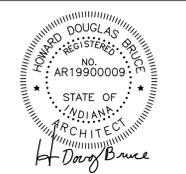


1 ELECTRICAL PLAN
3/8" = 1'-0" 



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BLOOMINGTON, INDIANA 47403



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CHECKED BY	D. BRUCE

ELECTRICAL PLAN

SHEET NO.

EL101

GENERAL ARCHITECTURAL NOTES:

- ALL WORK IS TO BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATING AGENCIES. THIS PROJECT IS DESIGNED & DOCUMENTED PER THE ARCHITECT'S INTERPRETATION OF THE CODE REQUIREMENTS. VARIOUS GOVERNING AGENCIES SOMETIME INTERPRET THE CODES, LAWS, & ORDINANCES DIFFERENTLY. THESE AGENCIES HAVE JURISDICTION TO REQUIRE CHANGES IN DESIGN AND CONSTRUCTION INCLUDING THOSE AGENCIES INVOLVED WITH THE "AMERICANS WITH DISABILITIES ACT".
- THE ARCHITECTURAL PLANS SHOWN HEREIN MAY NOT CORRESPOND TO PLANS FINALLY APPROVED BY THE ARCHITECT, OWNER, OR NECESSARY AGENCIES. IT IS THE RESPONSIBILITY OF THE PARTY OR PARTIES RELYING ON THESE PLANS TO VERIFY & CONFIRM SAID ARCHITECTURAL PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS, DIMENSIONS SHALL PREVAIL. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS RELATED TO THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. IF CONTRACTOR FAILS TO VERIFY DIMENSIONS AS INDICATED, ANY AND ALL CORRECTIVE ACTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL INTERIOR DIMENSIONS ARE SHOWN STUD TO STUD & DO NOT INCLUDE WALL FINISHES.
- ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJOINING WALL UNLESS NOTED OTHERWISE.
- FIELD VERIFY PLAN DIMENSIONS PRIOR TO ANY CASEWORK FABRICATION.
- ALL NEW WALLS SHALL BE FINISHED TO MATCH EXISTING SURFACES INCLUDING PRIMER & PAINT.
- CAULK ALL JOINTS BETWEEN DIFFERENT MATERIALS I.E: GYPSUM BOARD & MASONRY.
- WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLIP CONNECTIONS FOR FLOOR & CEILING DEFLECTION.
- ALL STEEL STUDS TO BE BRACED PER MANUFACTURERS LIMIT HEIGHT (L/240)

ROOF FRAMING PLAN NOTES:

- CONTACT ARCHITECT FOR REVIEW OF ON-SITE LAYOUT OF WALLS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES FOUND ON DRAWINGS TO ARCHITECT. - DO NOT SCALE DRAWINGS.
- PROVIDE KRAFT FACE 4" BATT INSULATION @ ALL EXTERIOR WALL LOCATIONS.
- ALL DIMENSIONAL LUMBER IS TO BE STRUCTURAL GRADE #1 SOUTHERN YELLOW PINE OR APPROVED EQUAL.
- ROOF & FLOOR FRAMING JOISTS AND "LVL" WOOD BEAMS ARE TO BE VERIFIED WITH MANUFACTURER SPECIFIED. ALL SUBSTITUTIONS ARE TO BE APPROVED BY ARCHITECT.
- INSTALLATION OF ALL FRAMING MEMBERS IS TO BE WITHIN STRICT COMPLIANCE OF ALL LOCAL APPLICABLE BUILDING CODES & JOIST MANUFACTURER'S SPECIFICATIONS.
- ALL FRAMING WORK IS TO BE DIRECTLY SUPERVISED BY A QUALIFIED, EXPERIENCED CARPENTER. MINIMUM INDUSTRY STANDARDS FOR PLUMB & LEVEL WALLS WILL BE EXPECTED FOR ALL WORK.
- REFER TO FLOOR PLANS FOR BALANCE OF DIMENSIONS & INFORMATION.
- ALL STEEL FASTENERS USED FOR TREATED WOOD DECK CONSTRUCTION ARE TO BE GALVANIZED, UNLESS OTHERWISE NOTED, & SHALL BE RATED FOR USE WITH NEW TREATED WOOD.
- ALL FLOOR JOISTS & TRUSSES TO BEAR ON LOAD BEARING WALLS OR BEAMS & CARRIED THROUGH ALL LEVELS TO TERMINATE @ BASEMENT OR CRAWL SPACE FOOTINGS & OR THICKENED SLABS.
- ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING NOT TO EXCEED 25. A SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84, & CRITICAL RADIANT FLUX NOT LESS THAN 0.12 WATTS PER SQUARE CENTIMETER.
- INSULATE ALL ACCESS DOOR/HATCHES TO CRAWLSPACES & ATTICS TO THE EQUIVALENT RATING OF THE WALL, FLOOR, OR CEILING THROUGH WHICH THEY PENETRATE.
- PROVIDE POSITIVE VENTILATION @ EACH END OF EACH RAFTER SPACE @ VAULTED CLG AREAS. & INSULATION BATTLES @ EAVE VENTS BETWEEN RAFTERS. RAFTER VENTILATION IS ALSO REQUIRED @ BLOCKING LOCATIONS ABOVE THE PLATE.
- HIPS, VALLEY'S & RIDGES SHALL NOT BE LESS IN DEPTH THAN THE END CUT OF THE RAFTER.
- INSTALL ROOFING MATERIALS ACCORDING TO MANUFACTURERS RECOMMENDATIONS FOR THE AREA AND CLIMATE. INCLUDING BUT NOT LIMITED TO SHINGLES, TILES, FELTS, FLASHING, & FASTENING DEVICES.
- COORDINATE ACTUAL FLOOR TRUSS DIMENSIONS WITH THE SELECTED TRUSS MANUFACTURER.
- PROVIDE BLOCKING BETWEEN FLOOR TRUSSES UNDER WALLS THAT ARE PERPENDICULAR TO FLOOR TRUSSES.
- 240#3-TAB ASPHALT/FIBERGLASS SHINGLES TO MATCH EXISTING, FASTENED WITH ONLY ROOFING NAILS AS PER SHINGLE SPEC. NO STAPLES!
- PROVIDE 15# ROOFING FELT LAPPED AS PER MANUFACTURER'S SPEC'S.
- PROVIDE WATER & ICE SHIELD MEMBRANE @ 3"-0" OF ALL EAVES & ROOF VALLEYS.
- 5/8" OSB. OR CDX PLYWOOD ROOF DECKING WITH H-CLIPS @ ALL SPANNING BUTT JOINTS @ MIDPOINTS BETWEEN ROOF FRAMING SUPPORTS.
- PROVIDE 5" OQUEE SEAMLESS GUTTER & DOWNSPOUTS @ ALL ROOF EDGES, EXCEPT @ GABLE ENDS.
- CONTRACTOR TO TRY TO THE GREATEST DEGREE POSSIBLE TO KEEP ALL ROOF PENETRATIONS TO THE BACK SIDE OF THE MAIN RIDGE LINE.
- PROVIDE SIMPSON STRONG-TIE H1 SEISMIC TIE @ EACH ROOF TRUSS.
- PROVIDE SIMPSON STRONG-TIE 20 GA. GALV. PSCL 3/4" SHEATHING CLIPS BETWEEN ABUTTING PANELS, & MIDWAY BETWEEN EACH PAIR OF TRUSSES, RAFTERS, OR JOISTS.
- SUBMIT SHOP DRAWINGS OF EACH TRUSS TYPE, & A FRAMING PLAN TO ARCHITECT FOR APPROVAL, INCLUDE ALL TRUSS SHAPES, SPACING, CROSS BRIDGING, & DIMENSIONS.
- ALL WOOD FRAMING LINTELS ARE TO BE 2 - 2X 12 WITH 1/2" STRUCTURE BOARD SPACERS FOR 2X4 WALLS.
- ALL ROOF TRUSSES ARE TO BE SPACED @ 24" O.C. UNLESS OTHERWISE NOTED.
- PROVIDE RIDGE VENTING AND/OR UNIT VENTS @ MONO TRUSSES UNLESS OTHERWISE NOTED.

FRAMING PLAN NOTES:

- PROVIDE WOOD BLOCKING FOR ALL WALL CABINETS, ALL WALL ACCESSORIES AND EQUIPMENT, & ALL OWNER SUPPLIED EQUIPMENT AS SHOWN OR IMPLIED ON DRAWINGS.
- ALL DIMENSIONAL LUMBER IS TO BE STRUCTURAL GRADE #1 SOUTHERN YELLOW PINE OR APPROVED EQUAL.
- ALL FRAMING WORK IS TO BE DIRECTLY SUPERVISED BY A QUALIFIED, EXPERIENCED CARPENTER. MINIMUM INDUSTRY STANDARDS FOR PLUMB & LEVEL WALLS WILL BE EXPECTED FOR ALL WORK.
- REFER TO FLOOR PLANS FOR BALANCE OF DIMENSIONS & INFORMATION.
- PROVIDE 2-2 X 10 WOOD LINTELS WITH 1/2" SPACERS IN BETWEEN ABOVE ALL DOORS & WINDOWS UNLESS OTHERWISE NOTED.
- ALL ANGLED WALLS IF SHOWN, ARE 45 DEGREES UNLESS NOTED.
- ALL FLOOR JOISTS & TRUSSES TO BEAR ON LOAD BEARING WALLS OR BEAMS & CARRIED THROUGH ALL LEVELS TO TERMINATE @ BASEMENT OR CRAWL SPACE FOOTINGS & OR THICKENED SLABS.
- FLOOR TRUSS SYSTEM SHALL BE DESIGNED & ENGINEERED BY TRUSS MANUFACTURER & COMPLETE INSTALLATION DETAILS SHALL BE PROVIDED.
- COORDINATE ACTUAL FLOOR TRUSS DIMENSIONS WITH THE SELECTED TRUSS MANUFACTURER.
- PROVIDE BLOCKING BETWEEN FLOOR TRUSSES UNDER WALLS THAT ARE PERPENDICULAR TO FLOOR TRUSSES.

DEMOLITION PLAN NOTES:

- ABSOLUTE CARE SHOULD BE EXERCISED IN THE REMOVAL OF EXISTING BUILDING FABRIC. REMOVE ONLY WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION OF THE NEW WORK. IF ANY DOUBT OR QUESTIONS ARE ENCOUNTERED NOTIFY ARCHITECT.
- REFER TO THE STRUCTURAL DRAWINGS FOR FRAMING CONDITIONS THAT MAY REQUIRE DEMOLITION OR REINFORCING WORK PRIOR TO NEW CONSTRUCTION.
- PRIOR TO DEMOLITION WORK, REFER TO ALL OTHER DRAWINGS TO THOROUGHLY BECOME FAMILIAR WITH ALL CONSTRUCTION WORK TO MINIMIZE DEMOLITION.
- REMOVE ALL EXISTING PLUMBING PIPING THAT IS EXPOSED OR ENCOUNTERED.
- REMOVE ALL EXPOSED PLUMBING PIPING AFTER REMOVING PLUMBING FIXTURES. CAP BELOW WALL OR FLOOR SURFACE IF COMPLETE REMOVAL IS NOT FEASIBLE.
- ALL PLASTER AND INSULATION WRAP AROUND PIPING AND DUCTWORK IS TO BE TESTED FOR THE PRESENCE OF ASBESTOS. IF ASBESTOS IS FOUND TO BE PRESENT, ABATEMENT AND DISPOSAL IS TO CONFORM WITH LOCAL, STATE, AND FEDERAL GUIDELINES.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR NEW WORK THAT MAY REQUIRE DEMOLITION NOT SHOWN ON THE DEMOLITION PLANS
- VERIFY ALL STRUCTURAL CONDITIONS PRIOR TO REMOVING ANY WALLS
- DEMOLITION CONTRACTOR TO CAREFULLY LEAVE STRUCTURE THAT REMAINS IN GOOD CONDITION, & TO USE TEMPORARY SUPPORT AS NEEDED TO INSURE STRUCTURE STABILITY.
- DEMOLITION CONTRACTOR SHALL BE HELD STRICTLY RESPONSIBLE TO ABIDE BY ALL RULES, REGULATIONS & ORDINANCES AS DICTATED BY THE CITY OF PROJECT & OR ANY OTHER GOVERNING AGENCY.
- DEMOLITION PROCEDURES & REMOVAL OF REFUSE SHALL OCCUR IN AN ORDERLY FASHION. NO STORAGE OF REFUSE SHALL OCCUR ON SITE. NO SALE OF SCRAP OR REFUSE SHALL OCCUR ON SITE. NO BURNING OF REFUSE SHALL BE PERMITTED. NO USE OF EXPLOSIVES SHALL BE PERMITTED.
- DEMOLITION CONTRACTOR SHALL BE HELD RESPONSIBLE TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR ASSUMES ALL RESPONSIBILITIES & LIABILITIES ASSOCIATED WITH REGARD TO DEMOLITION PRACTICES & ASSUMES SUCH.
- DEMOLITION CONTRACTOR IS RESPONSIBLE FOR SAFETY & SECURITY OF THE ENTIRE SITE & FACILITY DURING PROCESS OF DEMOLITION & SHALL OBTAIN INSURANCE'S PROTECTING THE OWNER, DESIGN BUILDER & ARCHITECT.
- DEMOLITION CONTRACTOR TO TAKE ALL STEPS NECESSARY TO PREVENT POLLUTION OF AIR, WATER & SOILS, AND SHALL:
 - COMPLY WITH ENVIRONMENTAL POLLUTION REGULATIONS.
 - NO STORAGE OF CONTAMINANTS ARE PERMITTED ON SITE.
 - DEMOLITION CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT ACCIDENTS DUE TO PHYSICAL HAZARDS (I.e. BARRICADES, WARNING LIGHTS, SIGNS AS REQUIRED). CONTRACTOR IS REQUIRED TO INSURE PUBLIC SAFETY DURING THE DEMOLITION PROCESS & ASSUME ALL LIABILITIES FOR SUCH.
 - CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO INSURE THAT ITEMS SCHEDULED OR NOTED TO REMAIN, STAY INTACT & UNDAMAGED.
 - DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE INSPECTION OF THE ENTIRE BUILDING FACILITIES STRUCTURE & COORDINATE EFFORTS WITH THE GENERAL CONTRACTOR. DEMOLITION CONTRACTOR SHALL VERIFY ALL CONDITIONS AND SCOPE OF WORK AS DESCRIBED HERE IN. THESE DOCUMENTS ARE TO BE UTILIZED FOR INTENT ONLY. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE FULL EXTENT OF THE DEMOLITION.
 - DRAIN, PURGE OR OTHERWISE REMOVE, COLLECT & LEGALLY DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER HAZARDOUS MATERIALS & WASTE BEFORE PROCEEDING WITH DEMOLITION OPERATIONS.
 - CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES @ LEAST 72 HOURS PRIOR TO THE START OF DEMOLITION.
- PROTECT EXISTING FINISHES IN EXISTING AREAS TO REMAIN.

FOUNDATION PLAN NOTES:

- REFER TO FLOOR PLANS FOR BALANCE OF DIMENSIONS & INFO.
- ALL POURED FOOTINGS ARE 24" X 12" WITH 3-#5 BAR U.N.O.
- CARRY ALL FOOTINGS TO FIRM UNDISTURBED BEARING.
- LOCAL SOIL CONDITIONS &/OR LOCAL PRACTICE MAY NECESSITATE A MORE STRINGENT FTG. & FDN. WALL DESIGN. CONSULT W/ LOCAL CONTRACTOR OR BLDG. INSPECTOR. SOIL DESIGN BRG. PRESSURE IS ASSUMED 1500 P.S.F.
- FOOTINGS ARE TO BEAR ON UNDISTURBED U/L. SOIL DEVOID OF ANY ORGANIC MAT. & STEPPED AS REQ'D. TO MAINTAIN THE REQ'D. DEPTH BELOW THE FIN. GRADE, VERIFY W/ LOCAL CODE.
- MAX. SLOPE OF CUTS & FILLS TO BE TWO (2) HORIZ. TO ONE (1) VERT. FOR BLDG'S, STRUCTURES, FDN'S & RETAINING WALLS.
- ANY FILL UNDER GRADE SUPPORTED SLABS TO BE A MIN. OF 4" GRAN. MAT. COMPACTED TO 95%.
- BEAM POCKETS IN CONC. TO HAVE 1/2" AIRSPACE @ SIDES & ENDS W/ A MIN. BRG. OF 3".
- INSTALL A NOM. 4" DIA. PERFORATED DRAIN TILE W/ FILTER FABRIC BELOW THE TOP OF THE FTG. & DRAIN TO DAYOUT.
- CONTRACTOR TO VERIFY FDN. WALL LOC'S. & COORDINATE W/ FLOOR PLANS BEFORE EXCAVATION & FRAMING OF BASEMENT/FDN. WALLS. NOTIFY ARCHITECT IF DISCREPANCY IS FOUND.
- COVER ENTIRE CRAWL SPACE W/ 15 MIL. VISQUEEN VAPOR BARRIER.
- CRAWL SPACE VENTILATION PROVIDED SHALL BE 1 SQ. FT. OF VENT PER EACH 150 SQ. FT. OF CRAWL SPACE AREA. VENTILATION OPENINGS NOT REQ'D. IF CRAWL SPACE IS SUPPLIED W/ CONDITIONED AIR & PERMETER WALLS ARE INSUL.
- IF ACCESS TO CRAWL SPACE IS NOT THROUGH AN EXIST. OPENING, THAN MIN. 18" X 24" OPENING IN PERIMETER WALL SHALL BE PROVIDED.
- PROVIDE RUB-R-WALL MEMBRANE WATERPROOFING TO ALL POURED WALLS BELOW GRADE. INSTALL PER MFG'S. INSTRUCTIONS.

GENERAL FOUNDATION NOTES:

- ALL FORMWORK TO BE CONSTRUCTED PER ACI 301.4. EXPOSED VERT. EDGES TO HAVE 2" CHAMFER.
- CONC. SHALL BE PLACED PER ACI 301.8.
- EMBEDDED ITEMS SHALL BE INSTALLED PER ACI 301.6.
- CURING & PROTECTION OF CONC. SHALL BE PER ACI 301.12.
- SLAB CONC. SHALL BE 4000 P.S.I. W/ 6X6 W1.4XW1.4+ PROPORTIONED PER ACI 301.3.
- FDN. WALL & FTG. CONC. SHALL BE 3500 P.S.I., PROPORTIONED PER ACI 301.3.
- SLAB SURFACE TOLERANCE TO BE PER ACI 101.1, FIN. TO BE PER ACI 102.2.
- ALL REINF. SHALL BE FURNISHED & INSTALLED PER ACI 301.5.
- ANCHOR BOLTS SHALL BE INSTALLED IN ACCORDANCE W/ IBC 2000 REQUIREMENTS.
- PROVIDE 2" THICK X 2'-8" HIGH RIGID PERIMETER INSUL. @ BLDG. PERIMETER (TYP).

FINISH PLAN NOTES:

- THESE GENERAL NOTES APPLY TO FINISH DRAWINGS.
- PAINT NEW & EXISTING HOLLOW MTL. DOORS, DOOR FRAMES & LINTELS EXPOSED TO VIEW IN FINISHED AREAS & @ EXTERIOR DOOR LOC'S. U.N.O..
- PAINT FIRE EXTINGUISHER CABINETS, ACCESS PANELS, LOUVERS, & UNIT VENTILATORS, IF APPLICABLE, TO MATCH ADJACENT WALL FINISH.
- ALL GYP. BD. CLG'S, SOFFITS, BULKHEADS, & EXPOSED STRUCTURE SHALL BE (XXX) U.N.O.
- PROVIDE FINISHES BEHIND FIXED EQUIP. SUCH AS CABINERY, CASEWORK, ETC.
- ALIGN FLR. FINISH TRANSITIONS @ DOOR LOC'S. W/ CENTERLINE OF DOOR SUCH THAT TRANSITION MATERIALS ARE NOT VISIBLE FROM EITHER SIDE WHEN DOOR IS IN CLOSED POSITION.
- REFER TO INTERIOR ELEVATIONS, IF APPLICABLE, FOR ADD'L. FIN. INFO.
- ALL SLAB ON GRADE CONTROL JTS. TO BE CLEANED & CAULKED PRIOR TO PLACEMENT OF FLR. FIN.
- REFER TO PROJECT MANUAL DIVISION 9 FOR FIN. LEVEL REQUIREMENTS FOR GYP. BD. SURFACES UNLESS OTHERWISE INDICATED.
- USE OF CONC. CURING COMPOUNDS OR SEALANTS ARE PROHIBITED ON FLOORS WHERE TILE OCCURS.

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK IS TO BE IN ACCORDANCE W/ THE INDIANA ELECTRICAL CODE 2009 EDITION (NFPA 70-2008) (675 IAC 17-1.5) EFFECTIVE 8/26/09.
- THE ENTIRE ELECTRICAL SYSTEM & ALL ELECTRICAL EQUIP. SHALL BE GROUNDED IN ACCORDANCE W/ THE 2008 EDITION OF THE N.E.C.
- FURNISH & INSTALL FIXTURES WHERE INDICATED ON THE DRAWINGS.
 - RECEPTACLES: 20 AMPERE, 125 VOLT, HUBBELL #5252-1
 - WALL SWITCHES: 20 AMPERE, 120 VOLT, HUBBELL #1201-1 FOR 1 POLE; USE MATCHING FOR 3-WAY APPLICATIONS.
 - GFI RECEPTACLES: 20 AMPERE, 125 VOLT, HUBBELL #GF-5252-1 WITH A #PJ26 COVER PLATE FOR INDOORS AND A #PW-26 COVER PLATE FOR OUTDOORS.
 - WP SWITCHES: 20 AMPERE, 125 VOLT, HUBBELL #5252-1 WITH A #5206 W/O COVER PLATE.
- ALL BRANCH WIRING SHALL BE COPPER, MIN. WIRE SIZE #12.
- ALL DISTRIBUTION PANELS SHALL HAVE TYPE WRITTEN LABELS.
- ELECTRICAL SUBCONTRACTOR TO COORDINATE W/ HVAC SUBCONTRACTOR FOR ALL ELECTRICAL REQUIREMENTS OF ACTUAL EQUIP. UTILIZED, INCLUDING HIGH & LOW VOLTAGE WIRING REQUIREMENTS, DISCONNECTS, ETC.
- ELECTRICAL SUBCONTRACTOR SHALL PROVIDE & INSTALL ALL ELECTRICAL REQUIREMENTS, INCLUDING CONDUIT, WIRE, CIRCUIT BREAKERS, DISCONNECTS, ETC. FOR MECHANICAL EQUIPMENT, SEE PLANS FOR MECHANICAL EQUIPMENT LOC'S.
- ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE AVAILABLE SHORT CIRCUIT CURRENT @ THE SUPPLY TERMINALS FROM THE SERVICE ENTRANCE CONDUCTORS OF DUKE ENERGY. THE SERVICE EQUIP. SHALL MEET OR EXCEED THIS RATING PER ADOPTED INDIANA ELECTRICAL RULES.

FLOOR PLAN NOTES:

- ALL INTERIOR WALLS TO BE 3 1/2" WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ON BOTH SIDES U.N.O.
- CONTACT ARCHITECT FOR REVIEW OF ON-SITE LAYOUT OF WALLS PRIOR TO CONSTRUCTION.
- FIELD VERIFY PLAN DIMENSIONS PRIOR TO ANY CASEWORK FABRICATION.
- PROVIDE WD. BLOCKING FOR ALL WALL CABINETS, ALL WALL ACCESSORIES & EQUIP., & ALL OWNER SUPPLIED EQUIP. AS SHOWN OR IMPLIED ON DRAWINGS.
- ALL DIMENSIONAL LUMBER IS TO BE STRUCTURAL GRADE #1 SOUTHERN YELLOW PINE OR APPROVED EQ.
- ALL FRAMING WORK IS TO BE DIRECTLY SUPERVISED BY A QUALIFIED, EXPERIENCED CARPENTER. MIN. INDUSTRY STANDARDS FOR PLUMB & LEVEL WALLS WILL BE EXPECTED FOR ALL WORK.
- REFER TO FLOOR PLANS FOR BALANCE OF DIMENSIONS & INFO.
- ALL WINDOWS WITHIN 24" OF ANY DOOR (REGARDLESS OF WALL PLANE), & WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE FLOOR OR WALKING SURFACE SHALL HAVE TEMPERED GLAZING.
- INSTALL ROOFING MATERIALS ACCORDING TO MFG'S RECOMMENDATIONS FOR THE AREA & CLIMATE. INCLUDING BUT NOT LIMITED TO SHINGLES, TILES, FELTS, FLASHING, & FASTENING DEVICES.
- CONTRACTOR TO COORDINATE THE LOC. OF LIGHTING, CABLE & PHONE OUTLETS W/ OWNER DURING ROUGH-IN WALK-THRU.
- PROVIDE DRYER VENTING PER RESIDENTIAL CODE.
- ANY RATED WALLS IF SHOWN, SHALL HAVE RATED OPENINGS WHERE THEY PENETRATE RATED WALL.

ELECTRICAL PLAN NOTES:

- ELECTRICAL WORK SHALL BE DONE IN COMPLIANCE W/ THE NATIONAL ELECTRICAL CODE AS INCORPORATED BY THE INDIANA ELECTRICAL RULES.
- EQUIP. FURNISHED FOR THIS JOB SHALL BE NEW & LISTED BY U.L.
- ELECTRICAL CONTRACTOR SHALL PAY ALL FEES REQ'D. FOR ELECTRICAL WORK & ANY PERMITS NECESSARY TO PERFORM WORK.
- COORDINATE ALL REVISIONS TO SERVICE ENTRANCE EQUIP. W/ DUKE ENERGY.
- ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL TEMP. LIGHTING & POWER AS REQ'D. FOR OTHER CONSTRUCTION TRADES PERFORMING WORK ON THE PROJECT.
- FURNISH MATERIALS, LABOR, & TOOLS NECESSARY TO INSTALL ELECTRICAL WORK SHOWN ON THE DRAWINGS AND HEREN SPECIFIED. WORK SHALL INCLUDE BUT NOT BE LIMITED TO: NEW LIGHT FIXTURES, RECEPTACLES, SWITCHES, CONDUIT, WIRE, PANEL BOARDS, CIRCUIT BREAKER TYPE, METER CLUSTER, MAIN DISTRIBUTION PANEL & DISCONNECT SWITCHES.
- ELECTRICAL WORK SHALL BE INSTALLED BY JOURNEY ELECTRICIANS UNDER THE DIRECT SUPERVISION OF A COMPETENT FOREMAN. @ NO TIME SHALL THE ELECTRICAL WORK BE INSTALLED BY APPRENTICE ELECTRICIANS W/O THE IMMEDIATE ON THE JOB SUPERVISION OF A JOURNEY MAN ELECTRICIAN.
- WORK SHALL BE DONE IN STRICT COMPLIANCE W/ LAST PUBLISHED CODES & STANDARDS AS LISTED BELOW AS EA. SHALL APPLY:
 - INDIANA OSHA STANDARDS.
 - NATIONAL ELECTRICAL CODE AS INCORPORATED INTO THE INDIANA ELECTRICAL RULES.
 - NATIONAL ELECTRICAL MFG'S. ASSOCIATION.
 - APPLICABLE CODES & STANDARDS INCLUDING STATE LAWS, LOCAL ORDINANCES, UTILITY COMPANY REGULATIONS, & NATIONALLY ACCEPTED CODES & STANDARDS.
- MATERIAL FURNISHED FOR THIS PROJECT SHALL BE U.L. LISTED & BEAR APPROPRIATE U.L. LABELS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING & PAYING FOR ANY REQ'D. PERMITS & LICENSES NECESSARY TO PERFORM THE ELECTRICAL WORK FOR THIS PROJECT.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN CLEAN UP. DEBRIS SHALL BE REMOVED DAILY, & THE SITE SHALL BE LEFT IN BROOM CLEAN CONDITION @ THE END OF THE PROJECT.
- THE ELECTRICAL CONTRACTOR SHALL ACQUAINT HIMSELF W/ DETAILS OF THE WORK TO BE PERFORMED & TAKE NECESSARY STEPS TO INTEGRATE & COORDINATE WORK.
- THE ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON NEW PANEL BOARDS, CIRCUIT BREAKER TYPE, MAIN DISTRIBUTION PANEL, & FIRE ALARM TO THE ARCHITECT FOR HIS REVIEW & APPROVAL.
- THE ELECTRICAL CONTRACTOR SHALL WARRANT MATERIALS & LABOR FOR THIS PROJECT FREE FROM DEFECTS IN MANUFACTURING & WORKMANSHIP FOR (1) YEAR AFTER FINAL ACCEPTANCE OF PROJECT.
- MATERIALS SHALL BE NEW & WHERE PRACTICAL & SHALL BE SHIPPED IN UNBROKEN CARTONS. MATERIALS SHALL BEAR THE LABEL OF OR BE LISTED BY U.L.
- CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT) IN INTERIOR SPACES & SCHEDULE 40 PVC BELOW FLR. SLABS & GALV. RIGID STL. ABV. GRADE OUTDOORS. LIQUID-TIGHT FLEXIBLE MTL. CONDUIT SHALL BE USED FOR FINAL CONNECTIONS TO VIBRATING EQUIP.
- FURNISH & INSTALL INTERIOR FIXTURES AS NOTED ON THE FIXTURE SCHEDULE. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE, BRACKETS, FRAMES & ANY MOUNTING ACCESSORIES NEEDED FOR PROPER INSTALLATION OF FIXTURES, WHETHER CALL OUT IN DETAIL IN CATALOG NUMBER OR IMPLIED BY FIXTURE TYPE.
- LAMPS SHALL BE FURNISHED & INSTALLED PER MFG'S. RECOMMENDATIONS & FIXTURE SCHED.
- COVER PLATES SHALL BE PROVIDED FOR ALL SWITCHES, RECEPTACLES, TELEPHONE, & SPECIAL PURPOSE OUTLETS. MAT. SHALL BE NONCOMBUSTIBLE MAR PROOF HEAVY DUTY PLASTIC, COLOR TO MATCH DEVICE.
- DEDICATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL BRANCH CIRCUITS.
- EQUIP. GROUND CONDUCTORS SHALL BE INSTALLED IN PANEL FEEDERS & WHERE INDICATED ON THE DRAWINGS.
- BATHROOM BRANCH CIRCUITS: @ LEAST ONE 20 AMPERE BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE BATHROOM RECEPTACLE OUTLET(S). SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. EXCEPTION: WHERE THE 20A CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIP. WITHIN THE SAME BATHROOM SHALL BE PERMITTED TO BE SUPPLIED.
- ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION: DWELLING UNIT BEDROOMS, ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT 15 & 20-AMPERE RECEPTACLE OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S).
- DWELLING UNIT RECEPTACLE OUTLETS: OUTLETS SHALL BE LOCATED WITHIN THE DWELLING UNIT AS DEFINED IN THIS ARTICLE. (6/12 RULE, INCLUDING ANY WALL SPACE 2 FEET OR MORE).
- SMALL APPLIANCE RECEPTACLE OUTLETS: THE REQ'D. TWO OR MORE SMALL APPLIANCE BRANCH CIRCUITS SERVING THE KITCHEN COUNTER RECEPTACLE OUTLETS SHALL HAVE NO OTHER OUTLETS. (THE DISPOSAL, TRASH COMPACTOR, DISH MACHINE, MICROWAVE OVEN, LIGHTING OR OTHER OUTLETS ARE NOT TO BE ON THE TWO SMALL APPLIANCE RECEPTACLE OUTLET CIRCUITS.)
- NUMBER OF SERVICES, IDENTIFICATION: WHERE A BLDG. OR STRUCTURE IS SUPPLIED BY MORE THAN ONE SERVICE A PERMANENT PLAQUE OR DIRECTORY SHALL BE INSTALLED @ EACH SERVICE DISCONNECT LOC. DENOTING ALL OTHER SERVICED SUPPLYING THAT BLDG. & THE AREA SERVED BY EA.
- GROUNDING & BONDING: GROUNDING & BONDING SHALL BE IN ACCORDANCE W/ THIS ARTICLE. (MTL. WATER SERVICE PIPING, MTL. SPRINKLER SERVICE PIPING & SUPPLEMENTAL GROUNDING RODS(S)).
- COMMON GROUNDING ELECTRODE: WHERE SEPARATE SERVICES SUPPLY A BLDG. & ARE REQ'D TO BE CONNECTED TO A GROUNDING ELECTRODE, THE SAME GROUNDING ELECTRODE SHALL BE USED. TWO OR MORE GROUNDING ELECTRODES THAT ARE EFFECTIVELY BONDED TOGETHER SHALL BE CONSIDERED AS A SINGLE GROUNDING ELECTRODE SYSTEM IN THIS CASE. (THE TWO ELECTRICAL SERVICES ARE TO HAVE THEIR GROUNDING ELECTRODES BONDED TOGETHER.)

GENERAL FOUNDATION NOTES:

- ALL FORMWORK TO BE CONSTRUCTED PER ACI 301.4. EXPOSED VERT. EDGES TO HAVE 2" CHAMFER.
- CONC. SHALL BE PLACED PER ACI 301.8.
- EMBEDDED ITEMS SHALL BE INSTALLED PER ACI 301.6.
- CURING & PROTECTION OF CONC. SHALL BE PER ACI 301.12.
- SLAB CONC. SHALL BE 4000 P.S.I. W/ 6X6 W1.4XW1.4+ PROPORTIONED PER ACI 301.3.
- FDN. WALL & FTG. CONC. SHALL BE 3500 P.S.I., PROPORTIONED PER ACI 301.3.
- SLAB SURFACE TOLERANCE TO BE PER ACI 101.1, FIN. TO BE PER ACI 102.2.
- ALL REINF. SHALL BE FURNISHED & INSTALLED PER ACI 301.5.
- ANCHOR BOLTS SHALL BE INSTALLED IN ACCORDANCE W/ IBC 2000 REQUIREMENTS.
- PROVIDE 2" THICK X 2'-8" HIGH RIGID PERIMETER INSUL. @ BLDG. PERIMETER (TYP).

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK IS TO BE IN ACCORDANCE W/ THE INDIANA ELECTRICAL CODE 2009 EDITION (NFPA 70-2008) (675 IAC 17-1.5) EFFECTIVE 8/26/09.
- THE ENTIRE ELECTRICAL SYSTEM & ALL ELECTRICAL EQUIP. SHALL BE GROUNDED IN ACCORDANCE W/ THE 2008 EDITION OF THE N.E.C.
- FURNISH & INSTALL FIXTURES WHERE INDICATED ON THE DRAWINGS.
 - RECEPTACLES: 20 AMPERE, 125 VOLT, HUBBELL #5252-1
 - WALL SWITCHES: 20 AMPERE, 120 VOLT, HUBBELL #1201-1 FOR 1 POLE; USE MATCHING FOR 3-WAY APPLICATIONS.
 - GFI RECEPTACLES: 20 AMPERE, 125 VOLT, HUBBELL #GF-5252-1 WITH A #PJ26 COVER PLATE FOR INDOORS AND A #PW-26 COVER PLATE FOR OUTDOORS.
 - WP SWITCHES: 20 AMPERE, 125 VOLT, HUBBELL #5252-1 WITH A #5206 W/O COVER PLATE.
- ALL BRANCH WIRING SHALL BE COPPER, MIN. WIRE SIZE #12.
- ALL DISTRIBUTION PANELS SHALL HAVE TYPE WRITTEN LABELS.
- ELECTRICAL SUBCONTRACTOR TO COORDINATE W/ HVAC SUBCONTRACTOR FOR ALL ELECTRICAL REQUIREMENTS OF ACTUAL EQUIP. UTILIZED, INCLUDING HIGH & LOW VOLTAGE WIRING REQUIREMENTS, DISCONNECTS, ETC.
- ELECTRICAL SUBCONTRACTOR SHALL PROVIDE & INSTALL ALL ELECTRICAL REQUIREMENTS, INCLUDING CONDUIT, WIRE, CIRCUIT BREAKERS, DISCONNECTS, ETC. FOR MECHANICAL EQUIPMENT, SEE PLANS FOR MECHANICAL EQUIPMENT LOC'S.
- ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE AVAILABLE SHORT CIRCUIT CURRENT @ THE SUPPLY TERMINALS FROM THE SERVICE ENTRANCE CONDUCTORS OF DUKE ENERGY. THE SERVICE EQUIP. SHALL MEET OR EXCEED THIS RATING PER ADOPTED INDIANA ELECTRICAL RULES.

GENERAL MECHANICAL NOTES:

- THESE NOTES APPLY TO ALL MECHANICAL SHEETS.
- ALL MECHANICAL WORK IS TO BE IN ACCORDANCE W/ THE INDIANA MECHANICAL CODE, 2008 EDITION (MC, 2006 EDITION) (675 IAC 18-1.5) EFFECTIVE 06/16/08.
- HVAC SUBCONTRACTOR SHALL COORDINATE W/ THE ELECTRICAL SUBCONTRACTOR FOR ANY & ALL ELECTRICAL REQUIREMENTS OF ACTUAL MECHANICAL EQUIPMENT UTILIZED, INCLUDING LOW & HIGH VOLTAGE WIRING, DISCONNECTS, CIRCUIT BREAKERS, ETC.
- HVAC SUBCONTRACTOR SHALL COORDINATE W/ GENERAL CONTRACTOR FOR ALL REQUIREMENTS OF SIZE, LOC., SCHEDULES, ETC., OF ALL THRU-ROOF & WALL PENETRATIONS REQ'D. FOR INSTALLATION OF ALL MECHANICAL SYSTEMS & DUCTWORK.
- ALL SUPPLY & RETURN DUCTWORK SHALL BE GALV. STL. SIZED AS INDICATED, CONSTRUCTED & INSTALLED IN ACCORDANCE W/ THE LATEST EDITION OF SMACNA STANDARDS FOR HVAC & DUCTWORK CONSTRUCTION. ALL SUPPLY AIR DUCTS SHALL HAVE 1/2" INSULATIVE DUCT LINERS. DUCT SIZES INDICATED ON PLANS ARE IN INCH DIMENSIONS EXCLUSIVE OF LINER.
- ALL REGISTERS & GRILLS SHALL BE HART & COOLEY & SIZED AS REQ'D. FOR CFM NOTED @ 500 FPM MAX. FACE VELOCITY. ALL REGISTERS SHALL HAVE REGULATING DAMPERS.
- EXTEND GYP CONDENSATE DRAIN TO 2" STANDPIPE, COORDINATE W/ PLUMBING CONTRACTOR.
- PROVIDE ALL CONTROL & INTERLOCK WIRING COMPLETE FOR THIS PROJECT.
- COORDINATE INSTALLATION OF WORK W/ ALL OTHER TRADES & CONDITIONS AS REQ'D. FOR A COMPLETE & OPERABLE HVAC SYSTEM. CLEARANCES ABOVE CEILINGS ARE EXTREMELY TIGHT IN CERTAIN AREAS.
- COORDINATE ALL OPENINGS THROUGH NEW WALL & FLR. CONSTRUCTION W/ GENERAL TRADES.
- REVIEW RETURN AIR PATH BACK TO ALL HVAC EQUIPMENT. PROVIDE RETURN AIR OPENINGS AND/OR TRANSFER DUCTS IN WALLS ABOVE THE CEILING WHERE REQUIRED. COORDINATE WITH GENERAL TRADES. VELOCITY THRU R/A OPENINGS SHALL NOT EXCEED 500 FPM. REFERENCE ARCHITECTURAL DRAWINGS FOR WALL EXTENDING TO DECK.
- COORDINATE EXACT LOC. OF ALL EQUIP. & DUCTWORK W/ THE CLG. SYSTEM & LIGHT FIXTURES. REF. REFLECTED CLG. PLANS & ELECTRICAL LIGHTING PLANS.
- COORDINATE ROUTING OF DUCTWORK, PIPING & EQUIPMENT W/ ALL OTHER TRADES.
- PROVIDE 45/90° FITTING W/ VOLUME DAMPER LIKE FLEXMASTER MODEL STO @ ALL SUPPLY AIR BRANCH DUCTWORK TAKEOFFS.
- COORDINATE LOC'S. OF ALL GRILLES, REGISTERS & DIFFUSERS IN CEILINGS W/ THE CLG. SYSTEM AND LIGHT FIXTURES. REF. REFLECTED CLG. PLANS & ELECTRICAL LIGHTING PLANS. PROVIDE FLEXIBLE DUCT UPSTREAM OF EA. DIFFUSER WHERE SHOWN.
- PROVIDE VOLUME DAMPERS IN ALL SUPPLY AIR BRANCH DUCTWORK AS REQ'D. TO BALANCE EA. SYSTEM & LIGHT FIXTURES. REF. REFLECTED CLG. PLANS & ELECTRICAL LIGHTING PLANS. PROVIDE FLEXIBLE DUCT UPSTREAM OF EA. DIFFUSER WHERE SHOWN.
- ROUND DUCT SIZE TO BE THE SAME SIZE AS THE DIFFUSER INLET NECK, U.N.O.
- MAX. LENGTH OF FLEXIBLE DUCTWORK SHALL BE 5'-0".
- ALL FURNACE SYSTEM LOW PRESSURE RECTANGULAR SUPPLY & RETURN AIR DUCTWORK SHALL BE INTERNALLY INSUL. ROUND SUPPLY & RETURN AIR DUCTWORK SHALL BE EXTERNALLY INSUL. OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSUL. SEE SPECS FOR ADD'L. INSUL. REQUIREMENTS.
- BOX AROUND DUCT SIZE INDICATES INTERNALLY LINED DUCTWORK. SIZE SHOWN INDICATES ACTUAL FREE AREA. REF. MECHANICAL SPECS.
- TRANSFER AIR DUCTS SHALL BE INTERNALLY LINED W/ INSUL. TO DETER NOISE TRANSFER. SIZE SHOWN ON PLAN INDICATES ACTUAL FREE SPACE.
- SQUARE DIFFUSERS ARE 4-WAY BLOW U.N.O..
- WIRING TO THERMOSTATS SHALL BE CONCEALED WITHIN THE WALL.
- DUCTWORK SHALL BE LOC. IN THE CLG. PLENUM (ABOVE LAY-IN CEILING U.N.O).

ROOF PLAN NOTES:

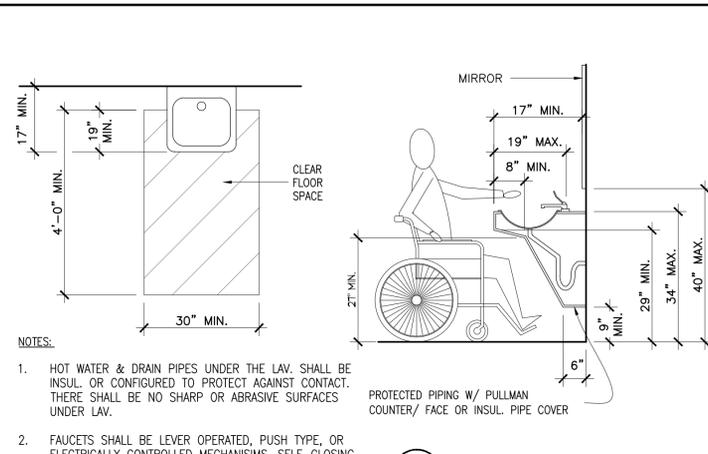
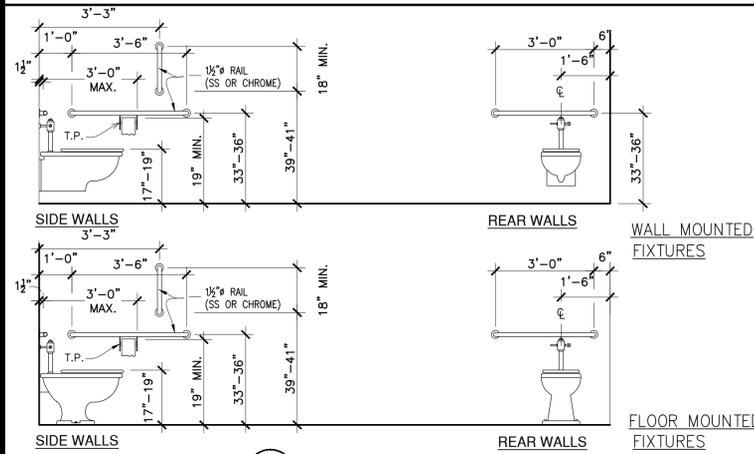
- ALL WORK SHALL BE IN ACCORDANCE W/ THE BEST QUALITY STANDARDS OF THE TRADE & SHALL CONFORM W/ THE LATEST EDITION OF ALL FEDERAL, STATE, & LOCAL CODES & STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, AS REPEATED HEREIN.
- CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL & DRAWINGS, & BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY & IN SOME CASES, ENLARGED FOR CLARITY. PROVIDE ADDITIONAL ITEMS AS REQ'D. TO PROVIDE A COMPLETE & COORDINATED SYSTEM.
- CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS FROM THE BLDG. & ROOF DAILY.
- STORE VOLATILE OR FLAMMABLE LIQUIDS IN UL LISTED FIRE CABINETS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS & EQUIP. INSIDE OR OUTSIDE THE BLDG.
- CONTRACTOR SHALL FURNISH NECESSARY TEMPORARY PROTECTION FROM WEATHER TO PROTECT INTERIOR OF BLDG. FROM ELEMENTS OF WEATHER @ ALL TIMES.
- CONTRACTOR RESPONSIBLE FOR TRAFFIC PROTECTION DURING CONSTRUCTION. AREAS OF WORK & TRAFFIC BY VARIOUS TRADES SHALL BE PROTECTED BY TEMP. WALKING PADS.
- PROVIDE TR. WD. BLOCKING EQ. IN THICKNESS TO INSUL. SYSTEM @ ROOF PERIMETER & AROUND ALL ROOF PENETRATIONS. ANCHOR PER SECTION 1-49 OF THE FM GLOBAL LOSS PREVENTION GUIDE.
- EXTEND ALL PLUMBING VENTS TO PROVIDE A MIN. OF 12" OF HT. FROM TOP OF INSUL. ALL FITTINGS TO BE AIR & WATER TIGHT. SEE PLUMBING PLANS.
- ROOF INSUL. SADDLES & CRICKETS ARE DIAGRAMATIC. ROOF INSUL. MFG'S. SHALL DESIGN & SIZE THESE PER ROOF MEMBRANE MFG'S. RECOMMENDATIONS. CRICKETS & SADDLES TO BE A MIN. WIDTH OF 1/2 THE SADDLE LENGTH.
- PROVIDE SADDLES/CRICKETS AROUND ALL NEW ROOF TOP EQUIP.
- PROVIDE TAPERED INSUL. WHERE REQ'D. TO TRANSITION FROM ONE INSUL. HT. TO ANOTHER.
- NOTCH ALL INSUL. AS REQ'D. TO ACCOMMODATE SURFACE MTD. CONDUIT, FASTENERS, OFFSETS & OTHER PROJECTIONS EXTENDING ABOVE THE SURFACE OF THE DECK.
- PERIMETER EDGE MTL. TO COMPLY WITH ANSI/SPRI ES-1 FM GLOBAL 1-49.
- SEE MECHANICAL, ELECTRICAL & PLUMBING (MEP) SHEETS FOR ROOF TOP EQUIP.

GENERAL PLUMBING NOTES:

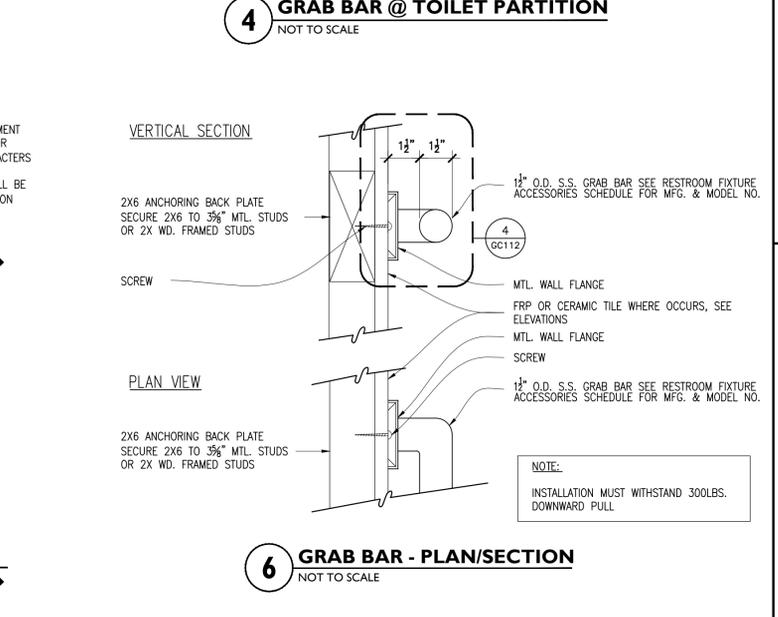
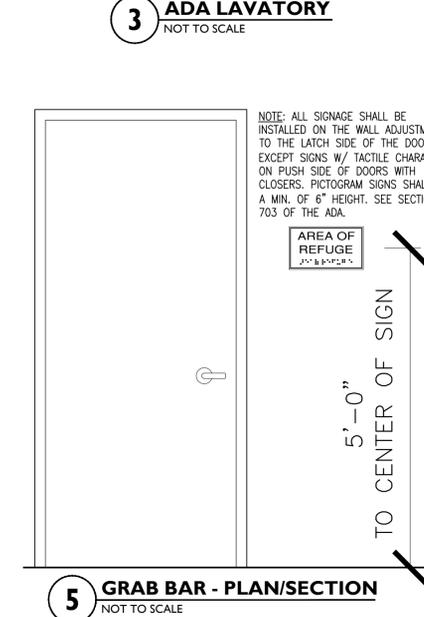
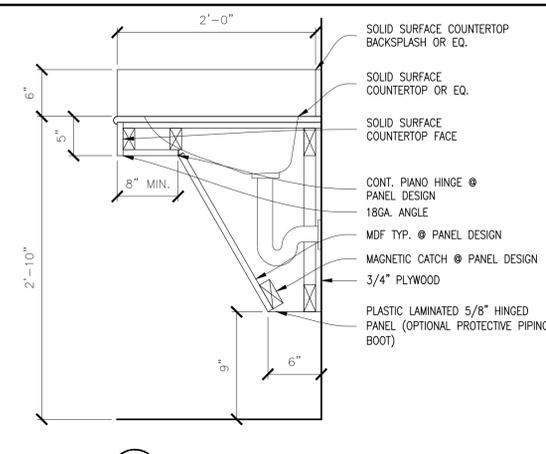
- ALL PLUMBING WORK IS TO BE IN ACCORDANCE WITH THE INDIANA PLUMBING CODE, 2012 EDITION (675 IAC 16-1.4) EFFECTIVE 12/24/12.
- COORDINATE ALL NEW UNDERSLAB PIPING W/ ALL NEW & EXIST. STRUCTURAL FOOTER/FOOTER PAD LOC'S.
- THIS CONTRACTOR SHALL COORDINATE INSTALLATIONS W/ ALL OTHER TRADES AS REQ'D FOR A COMPLETE & OPERABLE PLUMBING SYSTEM.
- ALL INTERIOR HORIZ. STORM & SANITARY PIPING SHALL BE INSTALLED @ THE MIN. SLOPES AS REQ'D BY INDIANA PLUMBING CODE, U.N.O.
- CONTRACTOR TO REFERENCE ARCHITECTURAL DRAWINGS FOR PROJECT PHASING. COORDINATE W/ GENERAL TRADES.
- PROVIDE WATER HAMMER ARRESTERS ON ALL QUICK-CLOSING VALVES PER THE PROJECT SPECIFICATIONS & THE PDI WH-201 GUIDELINES.

PLUMBING PLAN NOTES:

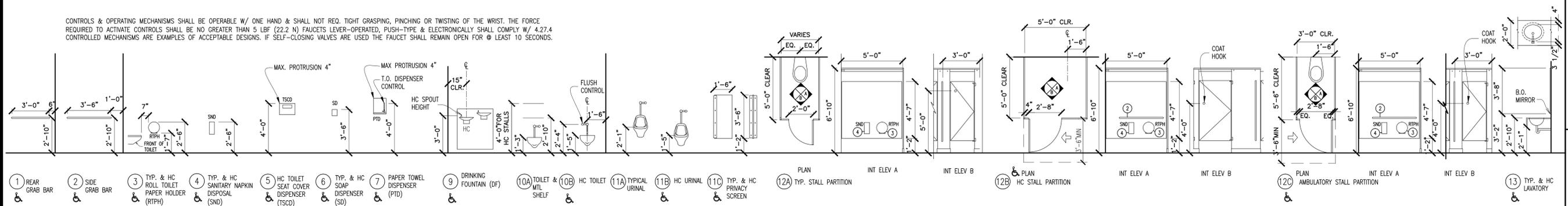
- ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR. CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT & COMPONENTS IN ACCORDANCE WITH MIN. REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATION FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER REPRESENTATIVE OR DESIGN ENGINEER. ALL WORK SHALL MEET OR EXCEED THE MIN. REQUIREMENTS OF ALL APPLICABLE CODES & STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THESE DESIGN PLANS SHALL NOT BE ALLOWED W/O INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THESE DESIGN PLANS SHALL NOT BE ALLOWED W/O APPROVAL BY THE OWNER REPRESENTATIVE OR THE DESIGN ENGINEER.
- INSTALL ALL THREADED CLEAN OUT PLUGS W/ PIPE DOPE TO ALLOW EASY REMOVAL IN THE FUTURE.
- IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS & SHALL FURNISH & INSTALL SUCH SIZES & SHAPES OF EQUIP. THAT ARE THE TRUE INTENT OF THE DRAWINGS & SPECIFICATIONS.
- ALL PLUMBING FIXTURES SHALL BE NEATLY CALKED W/ SILICONE COMPOUND WHERE FIXTURE MEETS WALL AFTER APPLICATION OF FINAL INTERIOR FINISH.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL & CONTROL CONNECTIONS UNDER HIS CONTRACT. REFER TO ELECTRICAL PLANS FOR LOC'S. OF JUNCTION BOXES, DISCONNECTS, & CIRCUIT BREAKERS (PANEL BOARDS). TYPE, SIZE & NUMBER OF CONDUCTORS & CONDUITS TO EQUIP. SHALL BE EQ. TO THE JUNCTION BOXES & DISCONNECT SWITCHES. IN CASE OF PLUMBING EQUIP. CONNECTION TO A CIRCUIT BREAKER, THE NUMBER & SIZE OF CONDUCTORS & CONDUIT SHALL CONFORM TO THE LATEST NATIONAL ELECTRICAL CODE REGULATIONS. ALL MOTOR STARTERS, SWITCHES, CONTROL DEVICES, ETC., PROVIDED BY THIS CONTRACTOR SHALL BE RECESSED IN THE WALLS, EXCEPT WHERE THESE ITEMS ARE LOCATED IN MECHANICAL ROOMS. PROVIDE A NAMEPLATE FOR ALL EQUIP., SWITCHES, CONTROL DEVICES, ETC.
- PLUMBING CONTRACTOR SHALL SUPPLY & INSTALL GAS PIPING AS SHOWN ON PLANS. ALL GAS PIPING SHALL COMPLY W/ LOCAL CODES. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL GAS EQUIP. INSTALL REGULATORS @ EQUIP. WHERE REQ'D BY MFG. OR CUTS SUPPLIED BY FURNISHING CONTRACTOR.
- PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR APPROVED FLR. PLAN & DIMENSIONS. DO NOT SCALE PLUMBING DRAWINGS.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CONDENSATE DRAIN PIPING ON AIR HANDLING UNITS. COORDINATE WORK W/ MECH. CONTRACTOR.
- ALL INDIRECT WASTE LINES SHALL HAVE A MIN. OF 2" VERT. AIR GAP WHERE IT TERMINATES @ FLR. SINK, FLR. DRAIN OR OPEN HUB DRAIN.
-



- NOTES:
- HOT WATER & DRAIN PIPES UNDER THE LAV. SHALL BE INSUL. OR CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAV.
 - FAUCETS SHALL BE LEVER OPERATED, PUSH TYPE, OR ELECTRICALLY CONTROLLED MECHANISMS. SELF-CLOSING VALVES SHALL REMAIN OPEN FOR @ LEAST 10 SECONDS.
 - MIRRORS SHALL BE MTD. W/ THE BTM. EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40 INCHES A.F.F.



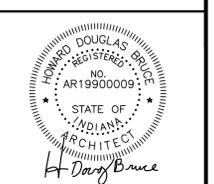
CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE W/ ONE HAND & SHALL NOT REQ. TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF (22.2 N) FAUCETS LEVER-OPERATED, PUSH-TYPE & ELECTRONICALLY SHALL COMPLY W/ 4.27.4 CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR @ LEAST 10 SECONDS.



- SEAL AROUND ALL RECESSED RESTROOM EQUIPMENT.
- PROVIDE 16 GA. BACKING @ ALL ACCESSORIES & LAV. TOPS @ GRAB BARS PROVIDE 16 GA. BACKING SECURED TO @ LEAST 3 STUDS.
- CALLK AROUND JOINT @ BTM. OF WATER CLOSET & FLR.
- ALL "BOBRICK" SPECIFIED ITEMS MAY BE SUBSTITUTED W/ APPROPRIATE ALTERNATE W/ ARCHITECTS APPROVAL.
- ALL TOILET PAPER DISPENSERS INSTALLED @ 7" MIN. TO 9" MAX IN FRONT OF WATER CLOSET.
- BTM. OF MIRROR TO BE INSTALLED 38" A.F.F.

REVISIONS

A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
XXX
BLOOMINGTON, INDIANA 47403



PROJECT NO.	1616
DATE	08.17.16
DRAWN BY	D. BRUCE
CHECKED BY	D. BRUCE
SHEET NAME	ADA STANDARDS
SHEET NO.	

GC011

A. WALKS & SIDEWALKS

- WALKS & SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", & SHALL BE A MIN. OF 48" IN WIDTH.
- WHEN ABRUPT CHANGES IN LEVEL NOT EXCEEDING 1/2" OCCUR, THEY SHALL BE BEVELED W/ A SLOPE NO GREATER THAN 1:2, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL.
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE EXCEEDING 1/2" SHALL COMPLY W/ THE REQUIREMENTS FOR CURB RAMPS.
- WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL IT SHALL COMPLY W/ THE PROVISIONS OF SECTION 1007 AS A PEDESTRIAN RAMP.
- WALK & SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT.
- WALKS SHALL BE PROVIDED W/ A LEVEL AREA NOT LESS THAN 60" BY 60" @ A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48" WIDE BY 44" DEEP @ A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK.
- WALKS SHALL EXTEND A MIN. OF 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK.
- ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS @ LEAST 5' IN LENGTH @ INTERVALS OF AT LEAST EVERY 400'.
- WALK & SIDEWALK SURFACES SHALL BE SLIP-RESISTANT AS FOLLOWS:
 - SURFACES W/ A SLOPE OF LESS THAN 6% GRADIENT SHALL BE @ LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
 - SURFACES W/ A SLOPE OF 6% GRADIENT SHALL BE SLIP-RESISTANT.
- WALKS, SIDEWALKS, & PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

B. RAMPS

- THE MAX. SLOPE OF A RAMP THAT SERVES ANY EXIT-WAY, PROVIDES ACCESS FOR PERSONS W/ DISABILITIES, OR IS IN THE PATH OF TRAVEL SHALL BE 1' RISE IN 12' OF HORIZONTAL RUN.
- THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:50. (1/4" PER FT)
- THE WIDTH OF RAMPS SHALL BE AS REQUIRED FOR STAIRWAYS & EXITS.
- ALL OTHER PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES SHALL HAVE A MIN. WIDTH OF 48".
- LANDINGS SHALL BE PROVIDED @ THE TOP & BOTTOM OF EACH RAMP.
- INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30" OF VERTICAL RISE & @ EACH CHANGE OF DIRECTION.
- TOP LANDINGS SHALL BE NOT LESS THAN 60" WIDE & SHALL HAVE A LENGTH OF NOT LESS THAN 60" IN THE DIRECTION OF RAMP RUN.
- DOORS IN ANY POSITION SHALL NOT REDUCE THE MIN. DIMENSION OF THE RAMP LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPEN.
- THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS & 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS.
- @ THE BOTTOM & INTERMEDIATE LANDINGS, THE WIDTH SHALL BE @ LEAST THE SAME AS REQUIRED FOR THE RAMP. OTHER INTERMEDIATE LANDINGS SHALL HAVE A DIMENSION IN THE DIRECTION OF RAMP RUN OF NOT LESS THAN 60".
- RAMP LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAX. HORIZONTAL DISTANCE OF EACH RAMP.
- HANDRAILS ARE REQUIRED ON RAMPS THAT PROVIDE ACCESS IF THE RAMP SLOPE EXCEEDS 1' RISE IN 20" OF HORIZONTAL RUN.
- HANDRAILS SHALL BE PLACED ON EACH SIDE OF EACH RAMP, SHALL BE CONTINUOUS THE FULL LENGTH OF THE RAMP, SHALL BE 34" TO 38" ABOVE THE RAMP SURFACE, SHALL EXTEND A MIN. OF 1' BEYOND THE TOP & BOTTOM OF THE RAMP, & THE ENDS SHALL BE RESUMED.
- THE GRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1-1/4" NOR MORE THAN 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE, AND ALL SURFACES SHALL BE SMOOTH W/ NO SHARP CORNERS. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1-1/2" BETWEEN THE WALL & THE HANDRAIL.
- HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAX. OF 3" DEEP & EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL.
- ANY WALL OR OTHER SURFACE ADJACENT TO HANDRAILS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8".
- WHERE THE RAMP SURFACE IS NOT BOUNDED BY A WALL OR FENCE & THE RAMP EXCEEDS 10' IN LENGTH, THE RAMP SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:
 - A GUIDE CURB A MIN. OF 2" IN HEIGHT SHALL BE PROVIDED @ EACH SIDE OF THE RAMP;
 - A WHEEL GUIDE RAIL SHALL BE PROVIDED, CENTERED 3" ± 1" ABOVE THE SURFACE OF THE RAMP.
- OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED AND CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

C. CURB RAMPS

- CURB RAMPS SHALL BE A MIN. OF 4' IN WIDTH & SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, W/ A MIN. OF SURFACE WARPING & CROSS SLOPE.
- THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL.
- MAX. SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE, SHALL NOT EXCEED 1:20 WITHIN 4' OF THE TOP & BOTTOM OF THE CURB RAMP. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 8 HORIZONTAL.
- TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH & FREE OF ABRUPT CHANGES, EXCEPT THAT THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2" LIP BEVELED @ 45 DEGREES.
- IF DIAGONAL (CORNER TYPE) CURB RAMPS HAVE RETURNED CURBS OR OTHER WELL-DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE 48" MIN. CLEAR SPACE. IF DIAGONAL CURB RAMPS ARE PROVIDED @ MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE @ LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP & WITHIN THE MARKED CROSSING.
- THE SURFACE OF EACH CURB RAMP & ITS FLARED SIDES SHALL BE STABLE, FIRM, & SLIP-RESISTANT & SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.
- ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE @ THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP & EACH SIDE APPROXIMATELY 3/4" ON CENTER. ALL CURB RAMPS CONSTRUCTED BETWEEN THE FACE OF THE CURB & THE STREET SHALL HAVE A GROOVED BORDER @ THE LEVEL SURFACE OF THE SIDEWALK.
- A CURB RAMP SHALL HAVE A DETECTABLE WARNING THAT EXTENDS THE FULL WIDTH & DEPTH OF THE CURB RAMP INSIDE THE GROOVED BORDER WHEN THE RAMP SLOPE IS LESS THAN 1 VERTICAL TO 15 HORIZONTAL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9" @ THE BASE TAPERING TO 0.45" @ THE TOP, A HEIGHT OF NOMINAL 0.2", & A CENTER-TO-CENTER SPACING OF NOMINAL 2.35", IN COMPLIANCE W/ FIGURE 11B-23. "NOMINAL", AS USED HERE, SHALL BE IN ACCORDANCE W/ SECTION 12-31-102, STATE REFERENCED STANDARDS CODE. THE DETECTABLE WARNING SHALL CONTRAST VISUALLY W/ ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. THE DOMES MAY BE CONSTRUCTED IN A VARIETY OF METHODS, INCLUDING CAST-IN-PLACE OR STAMPED, OR MAY BE PART OF A PREFABRICATED SURFACE TREATMENT. (SEC 1127B.5 (7))
- CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED CARS.

D. PARKING

- WHERE SINGLE ACCESSIBLE PARKING SPACES ARE PROVIDED, THEY SHALL BE 14' WIDE & OUTLINED TO PROVIDE A 9' PARKING AREA & A 5' LOADING & UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE.
- WHEN MORE THAN ONE ACCESSIBLE PARKING SPACE IS PROVIDED, IN LIEU OF PROVIDING A 14' WIDE SPACE FOR EACH PARKING SPACE, TWO SPACES CAN BE PROVIDED WITHIN A 23' WIDE AREA LINED TO PROVIDE A 9' PARKING AREA ON EACH SIDE OF A 5' LOADING & UNLOADING ACCESS AISLE IN THE CENTER.
- THE MIN. LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18'. (OR BY LOCAL ORDINANCE)
- SURFACE SLOPES OF ACCESSIBLE PARKING SPACES SHALL BE THE MIN. POSSIBLE & SHALL NOT EXCEED 2% IN ANY DIRECTION.
- ALL ENTRANCES TO & VERTICAL CLEARANCES WITHIN PARKING STRUCTURES SHALL HAVE A MIN. VERTICAL CLEARANCE OF 8'-2" WHERE REQUIRED FOR ACCESSIBILITY TO ACCESSIBLE PARKING SPACES.
- PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE W/ DISABILITIES SHALL BE PROVIDED FROM EACH SUCH PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED.
- ACCESSIBLE PARKING SPACES SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.

PARKING SIGNAGE

- EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR W/ OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA &, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MIN. HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE.
- SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON THE WALL @ THE INTERIOR END OF THE PARKING SPACE @ A MIN. HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK.
- VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.
- THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:
 - BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE & OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR W/ OCCUPANT;
 - BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR W/ OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE & SHALL BE 36" HIGH BY 36" WIDE.

E. ENTRANCES & EXITS

- ALL ENTRANCES & ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS & FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS W/ DISABILITIES.
- DURING PERIODS OF PARTIAL OR RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO & USABLE BY PERSONS WITH DISABILITIES.
- EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- MANUALLY OPERATED EDGE OR SURFACE-MOUNTED FLUSH BOLTS & SURFACE BOLTS ARE PROHIBITED. WHEN EXIT DOORS ARE USED IN PAIRS & APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOORKNOB OR SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- LATCHING & LOCKING DOORS THAT ARE HAND ACTIVATED & WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE W/ A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
- HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" & 48" ABOVE THE FLOOR. LEVER DOOR HARDWARE REQUIRED @ EXTERIOR FACE OF PRIMARY UNIT ENTRY DOOR.
- EVERY DOORWAY WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL BE CAPABLE OF OPENING SO THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 32", MEASURED BETWEEN THE FACE OF THE DOOR & THE OPPOSITE STOP.
- WHERE A PAIR OF DOORS IS UTILIZED, @ LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" W/ THE LEAF POSITIONED @ AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, @ LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" W/ THE DOOR POSITIONED @ AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- THERE SHALL BE A LEVEL & CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF @ LEAST 60" & THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED @ RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION.
- THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MIN. OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS & A MIN. OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS.
- THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY.
- THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, SHALL PROVIDE A MIN. OF 48" OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED @ AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS.
- ALL OTHER PASSAGE DOORS LEADING TO ROOMS & USABLE CLOSETS DEEPER THAN 24" IN CLEAR DEPTH WITHIN DWELLING UNITS ARE TO BE USABLE @ 32" MIN.

F. STAIRWAYS

- STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE, & EVERY STAIRWAY REQUIRED TO BE MORE THAN 88" IN WIDTH SHALL BE PROVIDED WITH NOT LESS THAN ONE INTERMEDIATE HANDRAIL FOR EACH 88" OF REQUIRED LENGTH. INTERMEDIATE HANDRAILS SHALL BE SPACED APPROXIMATELY EQUALLY ACROSS THE ENTIRE WIDTH OF THE STAIRWAY.
- HANDRAILS SHALL BE 34" TO 38" ABOVE THE NOSING OF THE TREADS. HANDRAIL & MOUNTING DEVICE SHALL BE DESIGNED FOR 250 POUNDS P/ LINEAR FEET LOAD.
- HANDRAILS SHALL EXTEND A MIN. OF 12" BEYOND THE TOP NOSING & 12" PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING.
- WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD, THE TERMINATION OF THE EXTENSION SHALL BE MADE EITHER ROUNDED OR RETURNED SMOOTHLY TO THE FLOOR, WALL, OR POST. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING.
- THE HANDGRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1-1/4" NOR MORE THAN 1-1/2" IN CROSS SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. THE HANDGRIP PORTION OF HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. ANY WALL OR OTHER SURFACE ADJACENT TO THE HANDRAIL SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8".
- HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1-1/2" BETWEEN THE WALL & THE HANDRAIL. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAX. OF 3" DEEP & EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL.
- ALL TREAD SURFACES SHALL BE SLIP-RESISTANT. TREADS SHALL HAVE SMOOTH, ROUNDED, OR CHAMFERED EXPOSED EDGES, & NO ABRUPT EDGES @ THE NOSING (LOWER FRONT EDGE).
- THE NOSING SHALL NOT PROJECT MORE THAN 1-1/2" PAST THE FACE OF THE RISER BELOW.
- OPEN RISERS ARE NOT PERMITTED.

G. SINGLE ACCOMMODATION SANITARY FACILITIES

- ALL FIXTURES IN ALL BATHROOMS IN UNIT MUST BE ACCESSIBLE PER TYPE A REQUIREMENTS.
- THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM & PERMIT THE DOOR TO CLOSE.
- THERE SHALL BE IN THE ROOM A CLEAR FLOOR SPACE OF @ LEAST 60" IN DIAMETER, OR A T-SHAPED SPACE COMPLYING W/ FIGURES 11B-12(A) OR (B). NO DOOR SHALL ENCR OACH INTO THIS SPACE.
- THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A MIN. 28" WIDE CLEAR SPACE FROM A FIXTURE OR A MIN. 32" WIDE CLEAR SPACE FROM A WALL @ ONE SIDE. THE OTHER SIDE SHALL PROVIDE 18" FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. A MIN. 48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.
- ALL DOORS, FIXTURES AND CONTROLS SHALL BE ON AN ACCESSIBLE ROUTE W/ A MIN. CLEAR WIDTH OF 36" EXCEPT AT DOORS. IF A PERSON IN A WHEELCHAIR MUST MAKE A TURN AROUND AN OBSTRUCTION, THE MIN. CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL BE AS SHOWN IN FIGURE 11B-5E.

H. MULTIPLE ACCOMMODATION SANITARY FACILITIES

- ONE OF EACH TYPE OF FIXTURE IN ONE BATHROOM MUST BE ACCESSIBLE PER TYPE B REQUIREMENTS.
- A CLEAR SPACE MEASURED FROM THE DOOR TO A HEIGHT OF 27" ABOVE THE FLOOR, WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60", OR A CLEAR SPACE 56" BY 63" IN SIZE, SHALL BE PROVIDED FOR WHEELCHAIR MANEUVERING. DOORS OTHER THAN THE DOOR TO THE ACCESSIBLE TOILET COMPARTMENT IN ANY POSITION MAY ENCR OACH INTO THIS SPACE BY NOT MORE THAN 12".
- A WATER CLOSET FIXTURE LOCATED IN A COMPARTMENT SHALL PROVIDE A MIN. 28" WIDE CLEAR SPACE FROM A FIXTURE OR A MIN. 32" WIDE CLEAR SPACE FROM A WALL @ ONE SIDE OF THE WATER CLOSET. THE OTHER SIDE OF THE WATER CLOSET SHALL PROVIDE 18" FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. GRAB BARS SHALL NOT PROJECT MORE THAN 3" INTO THESE CLEAR SPACES.
- A MIN. 48" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END OPENING DOOR (FACING THE WATER CLOSET) & A MIN. 60" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS A DOOR LOCATED AT THE SIDE. GRAB BARS SHALL NOT PROJECT MORE THAT 3" INTO THESE CLEAR SPACES.
- EXCEPT FOR DOOR OPENING WIDTHS & DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS NOT LESS THAN 44" SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES & THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48" AS MEASURED AT A RIGHT ANGLE TO COMPARTMENT DOOR IN ITS CLOSED POSITION.

J. SANITARY FACILITY FIXTURES & ACCESSORIES

- THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MIN. OF 17" & A MAX. OF 19" MEASURED TO THE TOP OF A MAX. 2" HIGH TOILET SEAT, EXCEPT THAT 3" SEATS SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15" HIGH.
- A CLEAR FLOOR SPACE 30" BY 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & SHALL EXTEND INTO KNEE & TOE SPACE UNDERNEATH THE LAVATORY.
- LAVATORIES ADJACENT TO A WALL SHALL BE MOUNTED W/ A MIN. DISTANCE OF 18" TO THE CENTER LINE OF THE FIXTURE.
- LAVATORIES SHALL BE MOUNTED W/ THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR & W/ A CLEARANCE OF @ LEAST 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON W/ KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MIN. OF 30" IN WIDTH & 8" MIN. DEPTH @ THE TOP. TOE CLEARANCE SHALL BE THE SAME WIDTH & SHALL BE A MIN. OF 9" HIGH FROM THE FLOOR & A MIN. OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
- HOT WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- WHERE URINALS ARE PROVIDED, @ LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30" BY 48" IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH.
- WHERE ONE OR MORE URINALS ARE PROVIDED, @ LEAST ONE WITH A RIM PROJECTING A MIN. OF 14" FROM THE WALL & @ A MAX. OF 17" ABOVE THE FLOOR SHALL BE PROVIDED.
- WATER CLOSET & URINAL FLUSH VALVE CONTROLS, FAUCET & OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE W/ ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, & SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR.
- SELF-CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR @ LEAST 10 SECONDS.
- MIRRORS SHALL BE MOUNTED W/ THE BOTTOM EDGE NO HIGHER THAN 40" FROM THE FLOOR.
- WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, & OTHER SIMILAR DISPENSING & DISPOSAL FIXTURES ARE PROVIDED, @ LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40" FROM THE FINISHED FLOOR.
- TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12" OF THE FRONT EDGE OF THE TOILET SEAT & NO LOWER THAN 19" FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.

K. GRAB BARS

- GRAB BARS SHALL BE LOCATED ON EACH SIDE, OR ON ONE SIDE & THE BACK OF THE ACCESSIBLE TOILET STALL OR COMPARTMENT.
- GRAB BARS AT THE SIDE SHALL BE @ LEAST 42" LONG W/ THE FRONT END POSITIONED 24" IN FRONT OF THE WATER CLOSET STOOL & WITH THE BACK END POSITIONED NO MORE THAN 12" FROM THE REAR WALL. GRAB BARS @ THE BACK SHALL BE NOT LESS THAN 36" LONG.
- GRAB BARS SHALL BE SECURELY ATTACHED 33" ABOVE & PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK-TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT @ 33", THE GRAB BAR MAY BE AS HIGH AS 36".
- THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4" TO 1-1/2" OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL & THE GRAB BARS SHALL BE 1-1/2".
- A GRAB BAR & ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8".

L. DRINKING FOUNTAINS

- DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCR OACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL BE NOT LESS THAN 32" IN WIDTH & 18" IN DEPTH.
- DRINKING FOUNTAINS SHALL BE A MIN. OF 18" IN DEPTH & THERE SHALL BE A CLEAR & UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27" IN HEIGHT & 8" IN DEPTH, THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN.
- THERE SHALL BE TOE CLEARANCE OF 9" IN HEIGHT ABOVE THE FLOOR, & 17" IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN.

M. ELECTRICAL

- THE CENTER OF ELECTRICAL & COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM WITH THE EXCEPTION OF OUTLETS & SWITCHES LOCATED ABOVE COUNTERTOPS TO BE MOUNTED @ 46" MAX.
- THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING & RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, & VENTILATING EQUIPMENT SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORM.
- THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK.

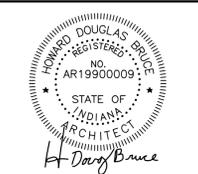
N. KITCHENS

- PROVIDE A CLEARANCE OF @ LEAST 40" BETWEEN ALL OPPOSING BASE CABINETS, COUNTERTOPS, APPLIANCES & WALL.
- CLEAR FLOOR SPACE OF 30" X 48" IS REQUIRED WITHIN ALL KITCHENS TO ALLOW PARALLEL OR PERPENDICULAR APPROACH TO APPLIANCES & FIXTURES.



REVISIONS

A NEW RENOVATION FOR:
BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM
 XXX
 BLOOMINGTON, INDIANA 47403



PROJECT NO.	1616
DATE	08.17.16
DRAWN BY	
CHECKED BY	D. BRUCE
SHEET NAME	

ADA STANDARDS

SHEET NO.
GC010

PROPOSED RENOVATIONS TO THE:

CITY OF BLOOMINGTON ALLISON-JUKEBOX COMMUNITY CENTER

351 SOUTH WASHINGTON ST.
BLOOMINGTON, INDIANA 47401

DRAWING INDEX

GENERAL

- GC001 GENERAL PLAN INFORMATION
- GC010 ADA STANDARDS
- GC011 ADA STANDARDS

ARCHITECTURAL

- AD001 ARCHITECTURAL SYMBOLS & ABBREVIATIONS
- AD101 DEMOLITION PLAN
- AE101 FLOOR PLAN
- AE201 EXTERIOR ELEVATIONS
- AE401 ENLARGED FLOOR PLAN
- AE601 DOOR AND WINDOW DETAILS

INTERIOR

- IN121 REFLECTED CEILING PLAN

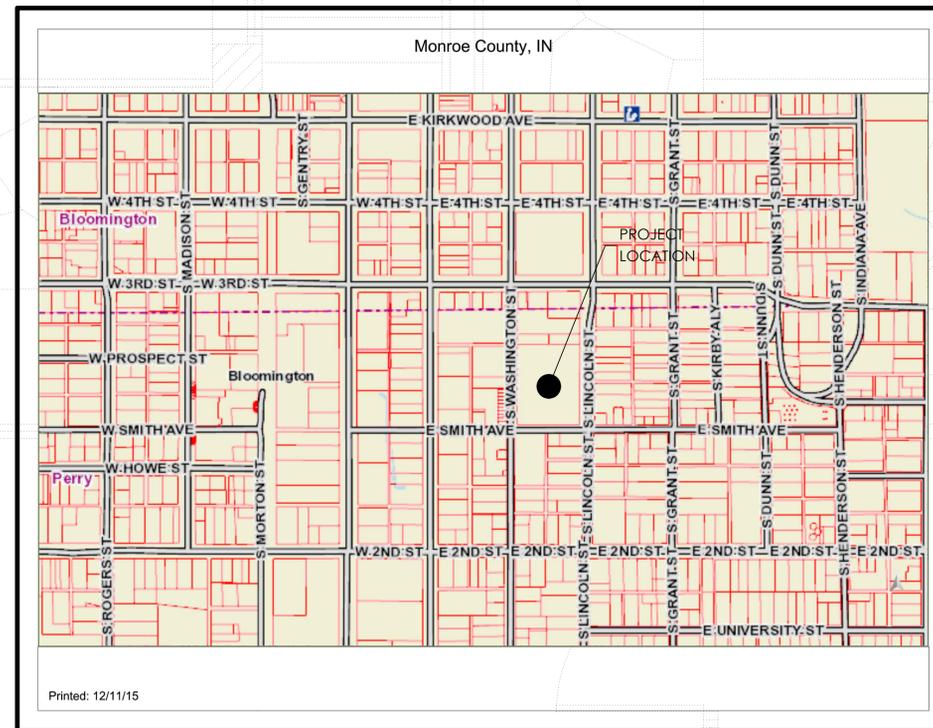
PLUMBING

- PL101 PLUMBING PLAN
- PL601 PLUMBING SCHEDULES

ELECTRICAL

- EL101 ELECTRICAL PLAN

AUGUST 2016
CONSTRUCTION DOCUMENTS



Printed: 12/11/15

PROPOSED RENOVATION TO THE:
ALLISON-JUKEBOX COMMUNITY CENTER



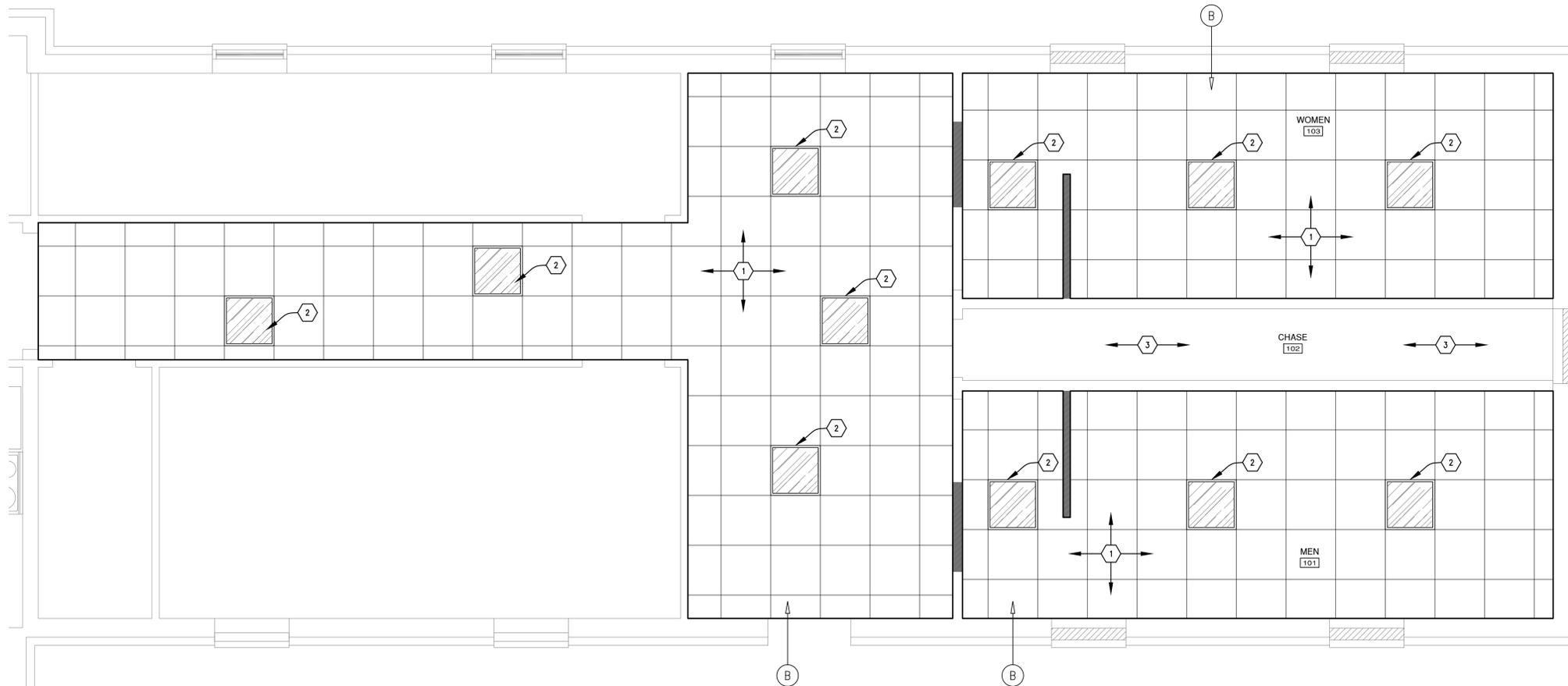
SEAL



ARCHITECT:



TABOR
BRUCE
ARCHITECTURE & DESIGN INC.
1101 S. WALNUT STREET - BLOOMINGTON, IN, 47401
TELEPHONE: (812) 332-6258 WEB: WWW.TABORBRUCE.COM



REFLECTED CEILING PLAN
3/8" = 1'-0"

- REFLECTED CEILING PLAN KEYNOTES:**
- 1 REMOVE EXISTING 2X4 CEILING TILES + GRID.
INSTALL NEW ARMSTRONG 2X2 TILES + GRID.
REINSTALL ALL VENTS + NEW LIGHTS AS SPECIFIED.
 - 2 INSTALL NEW 2X2 LAY-IN LED LIGHT FIXTURES AS TOPAZ F-L2X2/40W/840/D
 - 3 NO CEILING WORK IN THIS AREA.

CEILING TYPE SCHEDULE

CEILING TYPE	INDICATION SYMBOL	DESCRIPTION
A	[Symbol]	GYP. BD. CLG., U.N.O., REF. SPECS. FOR FINISH/RM. SCHED. FOR COLOR & WET BD. LOC.
B	[Symbol]	2X2 ACOUSTIC PANEL CLG. SYSTEM TYPE 1, CENTER GRID U.N.O.
C	[Symbol]	2X4 ACOUSTIC PANEL CLG. SYSTEM TYPE 1, CENTER GRID U.N.O.
D	[Symbol]	NOT USED
E	[Symbol]	NOT USED
F	[Symbol]	NO CLG. SYSTEM, PAINTED STRUCTURE, REF. RM. FINISH SCHED.

CEILING LEGEND

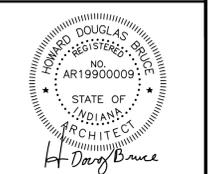
SYMBOL	DESCRIPTION
[Symbol]	CLG. HT. DESIGNATOR
[Symbol]	1X4 FLUORESCENT LIGHT FIXTURE
[Symbol]	2X4 FLUORESCENT LIGHT FIXTURE
[Symbol]	2X2 FLUORESCENT LIGHT FIXTURE
[Symbol]	RECESSED LIGHT FIXTURE
[Symbol]	HANGING PENDANT LIGHT FIXTURE
[Symbol]	SUPPLY AIR GRILLE/DIFFUSER/REGISTER
[Symbol]	EXHAUST OR RETURN AIR GRILLE/DIFFUSER/REGISTER SEE MECHANICAL PLANS
[Symbol]	EMERGENCY LIGHT (WALL MTD.) W/ BATTERY BACKUP

- CEILING GENERAL NOTES:**
1. ALL CLG. HEIGHTS ARE TO BE AS NOTED. COORDINATE FIN. CLG. HT. W/ ALL OTHER TRADES, & W/ MECH. AND ELEC., & OTHER EQUIP. & ITEMS ABV. CLG.
 2. UNLESS SPECIFICALLY DIRECTED OTHERWISE, LOC. ALL GRILLES, DIFFUSERS, REGISTERS, FIXTURES, OR OTHER SUCH EQUIP. FLUSH W/ CLG. SURFACE & CENTERED ON TILE.
 3. WHERE NO ORIGIN POINT IS INDICATED, CENTER GRID AS SHOWN ON REFLECTED CLG. PLAN.
 4. PROVIDE CONTROL JTS. IN GYP. BD. CLG.'S. & BULKHEADS AS INDICATED MFG'S. RECOMMENDATIONS. COORDINATE LOC. W/ ARCHITECT.
 5. WHERE GYP. BD. ABUTS CMU CONSTRUCTION, PROVIDE CONT. "J" MOLD & SEALANT @ JT. INSTALL CLG. GRID @ ORIGIN POINT INDICATED IN RM.
 6. PROVIDE ACCESS PANELS IN ALL CLG. AREAS AS SHOWN. IN ADDITION, PROVIDE ACCESS PANELS IN ALL SOLID CLG. AREAS AS REQ'D. BY CODE. WHETHER INDICATED OR NOT, COORDINATE SIZE & LOCATIONS W/ ARCHITECT; 24"x24" TYP. SIZE, U.N.O.
 7. WHERE MECH. DUCT WORK IS TO BE CONCEALED IN NEW GYP. BD. SOFFITS, GENERAL CONTRACTOR SHALL COORDINATE EXACT SIZE REQ'D. TO COMPLETELY CONCEAL DUCT WORK W/ MECH. CONTRACTOR.

REVISIONS

NO.	DESCRIPTION

A NEW RENOVATION FOR:
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JUKEBOX RESTROOM**
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BLOOMINGTON, INDIANA 47403

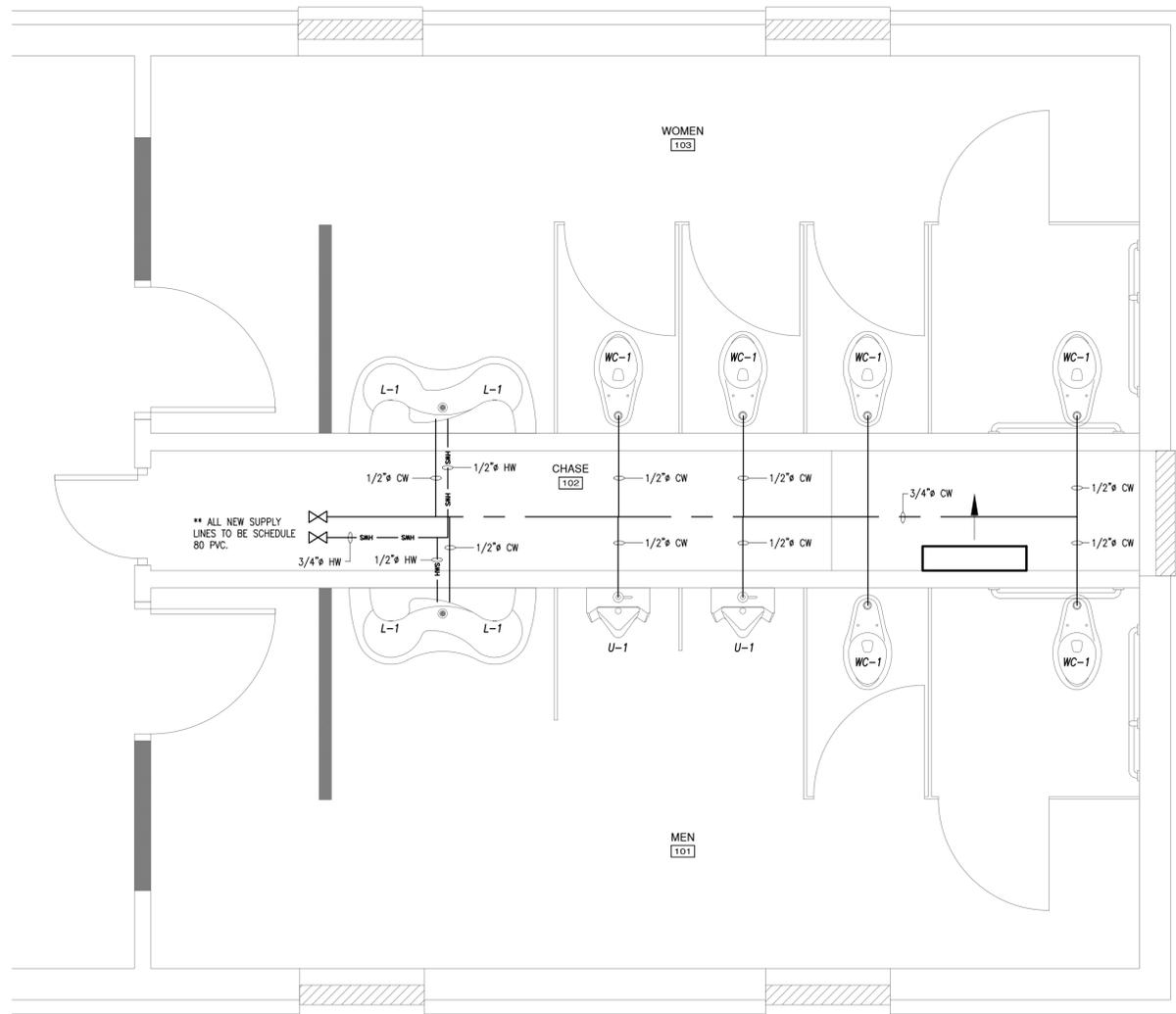


PROJECT NO.	1616
DATE	08.17.16
DRAWN BY	C. SCHAEFFER
CHECKED BY	D. BRUCE

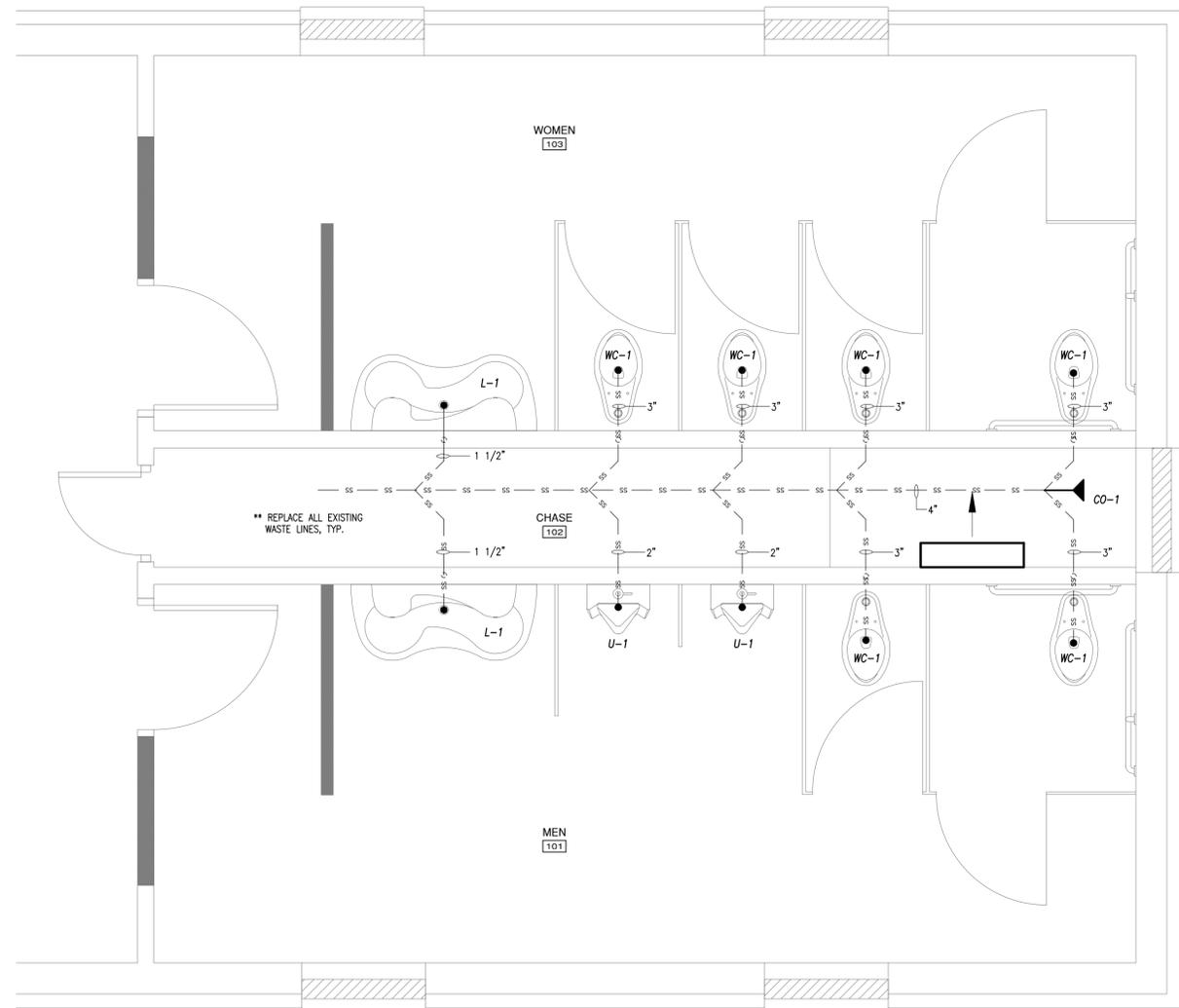
REFLECTED CEILING PLAN
SHEET NO.

IN121

TABOR BRUCE
ARCHITECTURE & DESIGN INC.
1101 S. WALNUT STREET - BLOOMINGTON, IN. 47401
TELEPHONE: (812) 332-6258 WEB: WWW.TABORBRUCE.COM



2 PLUMBING SUPPLY PLAN
1/2" = 1'-0" 

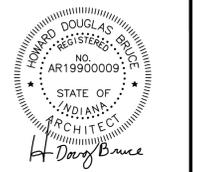


1 PLUMBING WASTE PLAN
1/2" = 1'-0" 



REVISIONS

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**BLOOMINGTON PARKS & RECREATION
JUKEBOX RESTROOM**
XXX
BLOOMINGTON, INDIANA 47403



PROJECT NO.	1616
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DRAWN BY	C. SCHAEFFER
CHECKED BY	D. BRUCE

SHEET NAME
PLUMBING PLAN

SHEET NO.

PL101

PLUMBING FIXTURE SCHEDULE			
MARK NO.	L-1	U-1	WC-1
DESCRIPTION	LAVATORY	URINAL	WATER CLOSET
MANUFACTURER	BRADLEY	AMERICAN STANDARD	AMERICAN STANDARD
MODEL NAME	2-STATION EXPRESS	WASHBROOKE FLOWISE	MADERA RIGHT HEIGHT
MODEL NUMBER	MG-2	6590.001 WHITE	3248.001
CONTROLS	BRADLEY	SLOAN	SLOAN
PIPE CONNECTION	HW	1/2"	1"
	CW	1/2"	3/4"
	WASTE	1 1/2"	2"
	VENT	1 1/2"	2"
	TRAP	1 1/2"	2"
IMAGE			
SPEC. SECTION	-	-	-
REMARKS	WALL MOUNTED, ADA COMPLIANT, W/ CONCEALED ARM SUPPORT. PROVIDE MG-2/R ACTIVATION CONTROLS.	WALL MOUNTED, W/ SLOAN EBV-500-A AUTO FLUSH VALVE. MOUNT AT HC HEIGHT (17").	FLOOR MOUNTED, W/ SLOAN EBV-500-A AUTO FLUSH VALVE W/ 5901.100 SEAT

PLUMBING FIXTURE NOTES:

- PROVIDE ALTERNATE #2 TO REPLACE BRADLEY 2-STATION EXPRESS LAVATORY (L-1) WITH (2) AMERICAN STANDARD "LUCERNE - 0355.12" WALL HUNG LAVATORY WITH DELTA LEVER HANDLE. METERING FAUCET 87T911 AND PLUMBING AS REQUIRED. THIS ALTERNATE APPLIES TO BOTH RESTROOMS.
- PROVIDE ALL NEW SUPPLY & DRAIN LINES TO FIXTURES. REPLACE WITH SCHEDULE 80 PVC. ALL LINES TO BE REPLACED SHALL BE REPLACED TO WHERE SUPPLY AND DRAIN LINES FIRST ENTER THE EXISTING CHASE.

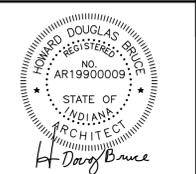
PLUMBING FIXTURE & EQUIPMENT DROPS:

1" TO WATER CLOSET FLUSH VALVES
 3/4" TO URINAL FLUSH VALVES
 1/2" TO SINKS, VAV'S & DRINKING FOUNTAINS



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 BLOOMINGTON, INDIANA 47403



PROJECT NO.	1616
DATE	08.17.16
DRAWN BY	Y. HOLDSHIP
CHECKED BY	D. BRUCE

SHEET NAME
PLUMBING SCHEDULES

SHEET NO.
PL601