

ERIC B. RATTS, AIA

. GE	CTURAL GENERAL NOTES NERAL UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO INDICATE DESIGN INTENT AND ARE TO BE TYPICAL FOR SIMILAR SITUATIONS		ABE
	INTENDED TO INDICATE DESIGN INTENT AND ARE TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE. THESE DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING UNLESS SPECIFICALLY STAMPED BY THE STRUCTURAL ENGINEER ON THE DRAWINGS "FOR DETAILING". THESE DRAWINGS ARE NOT TO BE REPRODUCED FOR THE PURPOSE OF USING THEM AS SHOP DRAWINGS. ANY SHOP DRAWINGS SUBMITTED WITH COPIES OF THESE DRAWINGS WITHOUT PRIOR APPROVAL BY THE	A.B. A/C	VIATIONS: ANCHOR BOLT AIR CONDITIONING
C.	STRUCTURAL ENGINEER OF RECORD WILL BE REJECTED AND RESUBMITTAL WILL BE REQUIRED. CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION, FORMWORK, ETC.), FOR COORDINATION OF THE VARIOUS TRADES, AND FOR SAFE	A.D. ADD. AFF AFG AFT AP APC	AREA DRAIN ADDENDUM ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ATHLETIC FLOOR TILE ACCESS PANEL ACOUSTICAL PANEL CEILING
D.	CONDITIONS ON THE JOB SITE. VARIATIONS IN FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER AS SOON AS THEY ARE FOUND. WORK SHALL NOT PROGRESS UNTIL WRITTEN PERMISSION FROM THE ENGINEER IS OBTAINED. WHERE CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION	A/V ADMIN. AGGR. ALT. ALUM APPROX ARCH.	AUDIO VISUAL ADMINISTRATION AGGREGATE ALTERNATE ALUMINUM APPROXIMATE
	THE CONTRACTOR MAKES PRIOR TO NOTIFICATION SHALL BE AT THE CONTRACTOR'S RISK. THESE DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING UNLESS SPECIFICALLY STAMPED BY THE STRUCTURAL ENGINEER ON THE DRAWINGS "FOR DETAILING". THESE DRAWINGS ARE NOT TO BE REPRODUCED FOR THE PURPOSE OF USING THEM AS SHOP DRAWINGS. ANY SHOP DRAWINGS SUBMITTED WITH COPIES OF THESE DRAWINGS WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD WILL BE REJECTED AND RESUBMITTAL WILL BE REQUIRED. DO NOT SUSPEND ANY ITEMS, SUCH AS DUCTWORK, MECHANICAL OR ELECTRICAL FIXTURES,	ASPH. ASSOC. AVG B/ BB	ARCHITECT (ARCHITECTURAL) ASPHALT ASSOCIATE AVERAGE BOTTOM BOND BEAM
. DE	CEILINGS, ETC. FROM STEEL ROOF DECK OR WOOD ROOF SHEATHING. SIGN DATA DESIGN CODE:	B.F. BFP BL BM BTU B/U BD	BARRIER FREE BACK FLOW PREVENTER BUILDING LINE BENCH MARK BRITISH THERMAL UNIT BUILT UP BOARD
В.	 ALL DESIGN IS IN CONFORMANCE WITH THE 2014 INDIANA BUILDING CODE (2012 INTERNATIONAL BUILDING CODE AS AMENDED BY THE INDIANA ADMINISTRATIVE CODE) (IBC). RISK CATEGORY IS TYPE II. DESIGN DEAD LOADS: WEIGHT OF ALL MATERIALS OF CONSTRUCTION INCORPORATED INTO THE BUILDING INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, ROOFS, CEILINGS, STAIRWAYS, BUILT 	BTWN BLDG BM BR BRG BRZ BSMT	BETWEEN BUILDING BEAM BULLET RESISTANT BEARING BRONZE BASEMENT
C.	 IN PARTITIONS, FINISHES, CLADDING, EQUIPMENT AND OTHER SIMILARLY INCORPORATED ITEMS AND EQUIPMENT. WIND LOADING CRITERIA 1) ULTIMATE 3-SECOND WIND SPEED V=115 MPH 2) EXPOSURE B 	BSMT C. CAB. C.B. CB. C.C.	BASEMENT CONDUIT CABINET CATCH BASIN CORNER BAR CENTER TO CENTER
D.	 2) LAFOSORE B 3) GCPI=±0.18 (ENCLOSED STRUCTURES) SNOW LOADING CRITERIA 1) PG=20 PSF 2) PF=22 PSF 3) I=1.0 	CEM. CER. CFM CG C.I. C.I.P. CIR. CJ	CEMENT CERAMIC CUBIC FEET PER MINUTE CORNER GUARD CAST IRON CAST-IN-PLACE CIRCLE OR CIRCULAR CONTROL JOINT
E.	 4) CE=1.0, TERRAIN CATEGORY B, FULLY EXPOSED 5) CT=1.0 SEISMIC DESIGN CRITERIA 1) I=1.0 2) SS =0.139 	CL C.L. CLG. CLOS. CLR CMU CO	CENTERLINE CONSTRUCTION LINE CEILING CLOSET CLEAR CONCRETE MASONRY UNIT CLEAN OUT
	 3) S1 =0.079 4) SDS=0.131 5) SD1=0.115 6) SITE CLASS D 7) SEISMIC DESIGN CATEGORY B 8) BASIC SEISMIC FORCE RESISTING SYSTEM - ORDINARY REINFORCED MASONRY SHEAR WALLS 9) SEISMIC RESPONSE COEFFICIENT - CS = 0.0656 10) RESPONSE MODIFICATION FACTOR - R = 2 	COMP. CONC. COND. CONST. CONT. COORD. CORR. CORG. CPT	COMPACTED CONCRETE CONDENSATE CONSTRUCTION CONTINUOUS COORDINATE CORRIDOR CORRUGATED CARPETING
G.	 DESIGN BASE SHEAR - V = 0.5 KIPS ANALYSIS PROCEDURE-EQUIVALENT LATERAL FORCE SOIL INFORMATION: NET ALLOWABLE SOIL BEARING PRESSURE BELOW FOOTINGS ON NATURAL MATERIAL IS ASSUMED TO BE 1500 PSF. CONTRACTOR SHALL EMPLOYEE THE SERVICES OF A LICENSED GEOTECHNICAL ENGINEER TO CONFIRM ALLOWABLE BEARING PRESSURE AND PROVIDE 	CSJ CTB CTF CTW CTR CU CW	CONSTRUCTION JOINT CERAMIC TILE BASE CERAMIC TILE FLOOR CERAMIC TILE WALL CENTER OR CENTERING CUBIC COLD WATER
н.	 WRITTEN VERIFICATION TO SER. MATERIALS: 1) CAST-IN-PLACE CONCRETE F'C=4000 PSI 2) REINFORCING STEEL FY=60 KSI (ASTM A615 U.N.O.) 3) WELDED WIRE FABRIC - ASTM A1064 4) CMU F'M=2000 PSI (NET AREA COMPRESSIVE STRENGTH OF UNITS = 2800 PSI) ASTM C-90 	D. DF DL DS DBL DEG. DEMO DEMO	DEEP DRINKING FOUNTAIN DEAD LOAD DOWN SPOUT DOUBLE DEGREE DEMOLISH (ED) DEPARTMENT
	 5) MORTAR - ASTM C270 - TYPE S 6) GROUT - ASTM C476 - COMPRESSIVE STRENGTH 2500 PSI (MIN) 7) STRUCTURAL STEEL: A) W-SECTIONS - ASTM A992 B) PLATES, BARS, RODS, ANGLES AND CHANNELS - A36 C) ANCHOR RODS - ASTM F1554, GRADE 36 D) HIGH STRENGTH BOLTS: 	DIA DIM. DR DWG DTL E. E.	DIAMETER DIMENSION DOOR DRAWING DETAIL EAST EXHAUST AIR
	 AA) GROUP A AS DEFINED BY AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" SECTION J3.1 D) STEEL DECK - ASTM A653 8) FILLER METAL FOR WELDING: SHIELDED METAL ARC WELDING - AWS A5.1 OR A5.5 OR E70XX. 	EC EF EJ EMER. E.PAN. E.W. EWC	ELECTRICAL CONTRACTOR EXHAUST FAN EXT. INSULATION FINISH SYSTEM EXPANSION JOINT EMERGENCY ELECTRICAL PANEL EACH WAY ELECTRIC WATER COOLER
I.	 DESIGN STANDARDS: ACI 318-11 "BUILDING CODE REQUIREMENTS FOR CONCRETE" TMS 402-11 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" - ASD ANSI/AISC 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - ASD AISI 2012 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" - ASD 	EL. ELEC. ELEV. ENG. EQ EQUIP. ETC. EXIST.	ELEVATION ELECTRICAL OR ELECTRIC ELEVATOR ENGINEER OR ENGINEERING EQUAL EQUIPMENT ET CETERA EXISTING
A.	NCRETE ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH EQUAL TO 4000 PSI AND HAVE MINIMUM OF 6% AIR CONTENT. PROVIDE LAP BARS MEETING ACI REQUIREMENTS. ALL REINFORCING BARS SHALL BE	EXP EXP. EXT. FACP FAI	EXPOSED STRUCTURE EXPANSION EXTERIOR FIRE ALARM CONTROL PANEL FRESH AIR INTAKE
D. MA	CONTINUOUS AT CORNERS. FINISH EXPOSED CONCRETE TO MATCH EXISTING. PLACE CONCRETE IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE". SONRY MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-11 "SPECIFICATION FOR MASONRY	F.C. FD FE FEC FHC FM FR	FURNACE FOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE HOSE CABINET FLOOR MOUNTED FIN RADIATION
В.	STRUCTURES AND COMMENTARY". TRUSS OR LADDER TYPE REINFORCEMENT SHALL BE PLACED IN HORIZONTAL MORTAR JOINTS AT 16" O.C. VERTICAL SPACING, AND AT TOP AND BOTTOM OF WALL OPENINGS (EXTEND 2 FEET PAST OPENING). COORDINATE REQUIRED OPENINGS WITH ALL TRADES AND PROVIDE MASONRY LINTELS FOR ALL OPENING GREATER THAN 1'-0" IN ACCORDANCE WITH THE LINTEL SCHEDULES.	F.S. FV	FOOD SERVICE FIELD VERIFY
E.	ALL GROUTING TO BE PLACED USING LOW LIFT METHOD. MAXIMUM HEIGHT OF LIFT SHALL BE 5 FEET. CMU BOND BEAMS SHALL BE PLACED AS INDICATED IN THE DRAWINGS. IN ADDITION THEY SHALL BE LOCATED AT THE TOP OF ALL WALLS, AT A MAXIMUM VERTICAL SPACING OF 8'-0" AND AT THE BOTTOM OF WALLS BRACED BY ROOF DECK AND MEMBERS. PROVIDE MISCELLANEOUS LOOSE L6X6X3/8 LOOSE GALVANIZED LINTEL WITH A MINIMUM OF 8" BEARING AT EACH END OF OPENINGS IN BRICK FACADE WHERE OTHER SUPPORT IS NOT SHOWN.		
А. В. С.	TEEL AT ALL STEEL BEAMS SUPPORTING MASONRY WALLS, PROVIDE STUD 1/2" DIA. X 6" LONG HEADED STUDS SPACED AT 16" O.C. WELDED TO STEEL BEAM. ALL EXTERIOR STEEL SHALL BE HO-DIP GALVANIZED AND PAINTED. DECK UNITS THAT ARE BENT, WARPED, OR DAMAGED IN ANY WAY WHICH WOULD IMPAIR THE STRENGTH AND OR APPEARANCE OF THE DECK SHALL BE REJECTED AND REMOVED. COLD-FORMED METAL FRAMING AND TRUSSES		
	 CONTRACTOR SHALL PROVIDE DELEGATED DESIGN OF COLD-FORMED STEEL FRAMING AND TRUSSES. DESIGNER CAN BE WITH MANUFACTURER OR INDEPENDENT; HOWEVER, THEY SHALL BE RESPONSIBLE FOR DESIGN, PREPARATION, AND ASSEMBLY OF SYSTEM DELEGATED DESIGN DOCUMENTS. THE TRUSS MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL TRUSS LAYOUT REQUIRED BY THEIR DELEGATED DESIGNER TO MEET DESIGN CRITERIA WITH SHOP 		
	 DRAWING REVIEW BY THE STRUCTURAL ENGINEER OF RECORD. 3) SECTIONS, DETAILS AND SUCH DEPICTING WEB LAYOUT ARE DIAGRAMMATIC. FINAL LAYOUT AND CONFIGURATION OF TRUSS WEBS IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND CONTRACTOR WHILE MEETING DESIGN. 4) TRUSS SYSTEM SHALL PROVIDE FOR A MINIMUM BEARING OF 1 1/2" FOR STEEL ROOF DECK. 5) CONTRACTOR TO COORDINATE COLD-FORMED STEEL TRUSSES WITH THE ROUTING AND HANGER/SUPPORTS OF ALL MECHANICAL, ELECTRICAL, PLUMBING, SECURITY ELECTRONICS AND FIRE PROTECTION PRIOR TO ANY FABRICATION. ROUTING OF TRADES ELEMENTS SHOWN 		
	ON PLANS AND ANY TRUSS WEBS SHOWN IN BUILDING SECTIONS ARE DIAGRAMMATIC AND MUST BE COORDINATED WITH COLD-FORMED STEEL TRUSS SUPPLIER AND THEIR STRUCTURAL TRUSS ELEMENT REQUIREMENTS. TRADES TO PROVIDE HANGING LOADS TO TRUSS DELEGATED DESIGNER, MODIFICATION OF HANGER/SUPPORTS FOR TRADES INCLUDE BUT IS NOT LIMITED TO ADJUSTING SPACING OF HANGERS/SUPPORTS AND/OR ADJUSTING SUPPORTS TO EXTEND TO ADJACENT WALL SURFACES. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.		

FWC FIN.

BREVIATIONS

FWC FIN.	FABRIC WALL COVERING FINISH	QTY.
FLR FT FTG	FLOOR FOOT OR FEET FOOTING	R. RAD. RA RB
GA GC GRV	GAUGE GENERAL CONTRACTOR GRAVITY ROOF VENTILATOR	RBR RD. RD
GL. GND. GR. GWB	GLASS GROUND GRADE GYPSUM WALL BOARD	REC. REF REV. REM.
Gvvв Н. Н.В.	HIGH HOSE BIBB	REM. RH RHR RCP
HM HOA HVAC	HOLLOW METAL HAND-OFF-AUTOMATIC HEATING VENTILATING & AIR-	RE: RECPT RECT.
HW HWS HWR	CONDITIONING HOT WATER HOT WATER SUPPLY HOT WATER RETURN	REINF REQD. REV. RFG.
HDWD.	HARDWOOD HARDWARE	RH RHR RLG.
HDP Horiz. Hr. Hyd.	HIGH DENSITY PARTICALE BOARD HORIZONTAL HOUR HYDRAULIC	RM R.R. RT. ROW (R/W
ID I.F.	INSIDE DIAMETER INSIDE FACE	RVS. RWC RWL
IR IN. INFO.	INSIDE RADIUS INCH INFORMATION	SA SC
INSUL INT. INV.	INSULATION INTERIOR INVERT	SFS SPS S. SS
JAN. J.B. JCT.	JANITOR OR JANITORIAL JUNCTION BOX JUNCTION	S. TO S. SHM SV
JT. K.D. KIT.	JOINT KILN-DRIED KITCHEN	SAN SCHED SECT SEW
KO KP.	KNOCKOUT KICK PLATE	SEW SHT SHWR SIM.
LAV.	LEFT LAMINATED LAVATORY	S.O. SPECS SPKR
LBS. LG. LGTH LH	POUNDS LARGE LENGTH LEFT HAND	SQ. ST STD STOR.
LFT.(LF.) LHR L.L.	LINEAR FEET LEFT HAND REVERSE LIVE LOAD	STRUCT SUSP. SW
L.O.A. LIN. LTG.	LENGTH OVER ALL LINEAR LIGHTING	T T&B T&G
MDP MATL. MAX	MAIN DISTRIBUTION PANEL MATERIAL MAXIMUM	T/C TCC TCP
MC MECH MEMB. MEZZ.	MECHANICAL CONTRACTOR MECHANICAL MEMBRANE MEZZANINE	TP TWC TBB TEL.
MEZZ. MFR MH MIN	MANUFACTURER MAN HOLE MINIMUM	TEMP. TERR THRU
MISC. MIX. MK	MISCELLANEOUS MIXTURE MARK	TLT TOL. TYP
MO MSRY. MTD MTL	MASONRY OPENING MASONRY MOUNTED METAL	U UFD UL
MTG. N.	MOUNTING	UNO UV UR
NA(N/A) NIC NF N.O.P.	NOT IN CONTRACT NEAR FACE	UTIL. VYL VAP.
NO. NOM. NTS	NUMBER NOMINAL NOT TO SCALE	VAR. VCB VCP
OA. OA OAI	OVERALL OUTSIDE AIR OUTSIDE AIR INTAKE	VCT VERT. VEST. VENT.
OC OD O. TO O.	ON CENTER OUTSIDE DIAMETER OUT TO OUT	VIF VOL. VP
OF OR OL. OFC.	OUTSIDE FACE OUTSIDE RADIUS OVERLOAD OFFICE	VS VWC W.
OF C. OH OPNG. OPP.	OVERHEAD OPENING OPPOSITE	WC WD WF
OR. ORIG. OZ	OUTSIDE RADIUS ORIGINAL OUNCE	W.H. WH WI WP
P.A. P.C. P.D.	PIPE ANCHOR PLUMBING CONTRACTOR PRESSURE DROP	WL WM WS
PJF PRV PASS.	PRE MOLDED JOINT FILLER PRESSURE REDUCING VALVE PASSENGER	WWF WT.
PAT. PERP. PF PLAM	PATTERN PERPENDICULAR PRE-FINISHED PLASTIC LAMINATE	XFMR XFR YD
PLAS. PLBG. PLY	PLASTIC PLUMBING PLYWOOD	YCO ∘
PNEU. PNL PREFAB PROJ.	PNEUMATIC PANEL PREFABRICATED PROJECT	± Ø P
PT P.CONC. PTN.	PAINT PRECAST CONCRETE SLAB PARTITION	& × @
PV. PVC QCV	PAVERS POLYVINYL CHLORIDE QUICK COUPLER VALVE	# W/
QCV QT QUAL.	QUICK COUPLER VALVE QUARRY TILE QUALITY	

QTY. QUANTITY RIGHT RADIUS **RETURN AIR** RUBBER BASE RUBBER ROAD ROOF DRAIN RECESSED REFRIGERATOR REVISION REMOVABLE RIGHT HAND **RIGHT HAND REVERSE** REINFORCED CONCRETE PIPE REFER TO: RECEPTACLE RECTANGLE OR RECTANGULAR REINFORCE (D) (ING) (MENT) REQUIRED REVERSE ROOFING RIGHT HAND RIGHT HAND REVERSE RAILING ROOM RAIL ROAD RIGHT ROW (R/W) RIGHT OF WAY REVERSE MAIN WATER COLLECTOR RAIN WATER LEADER

SEALED CONCRETE STORE FRONT SYSTEM STAND PIPE SOUTH STAINLESS STEEL TO S. STUD TO STUD SECURITY HOLLOW METAL SHEET VINYL SANITARY SCHEDULE SECTION SEWER SHEET SHOWER

SUPPLY AIR

SIMILAR

SECTIONAL OVERHEAD SPECIFICATIONS SPEAKER SQUARE STEEL STANDARD STORAGE STRUCTURA SUSPENDED SWITCH

TEMPERED TOP AND BOTTOM TONGUE AND GROOVE TOP CURB TEMP. CONTROL CONTRACTOR TEMP. CONTROL PANEL TEPID WATER **TEPID WATER CONTROLLER** TILE BACKER BOARD TELEPHONE TEMPERATURE TERRAZZO THROUGH TOILET TOLERANCE TYPICAL

HEAT TRANSFER COEFFICIENT UNDER FLOOR DUCT UNDERWRITER'S LABORATORIES UNLESS NOTED OTHERWISE UNIT VENTILATOR URINAL UTILITY

VAPOR VARIES VINYL COVE BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VERTICAL VESTIBULE VENTILATE VERIFY IN FIELD VOLUME VENT PIPE VENT STACK

VINYL WALL COVERING

VINYL

WEST WATER CLOSET WOOD WASH FOUNTAIN WALL HUNG WATER HEATER WROUGHT IRON WORKING POINT WIND LOAD WALK OFF MAT WORK SINK WELDED WIRE FABRIC WEIGHT

TRANSFER YARD

YARD CLEAN OUT

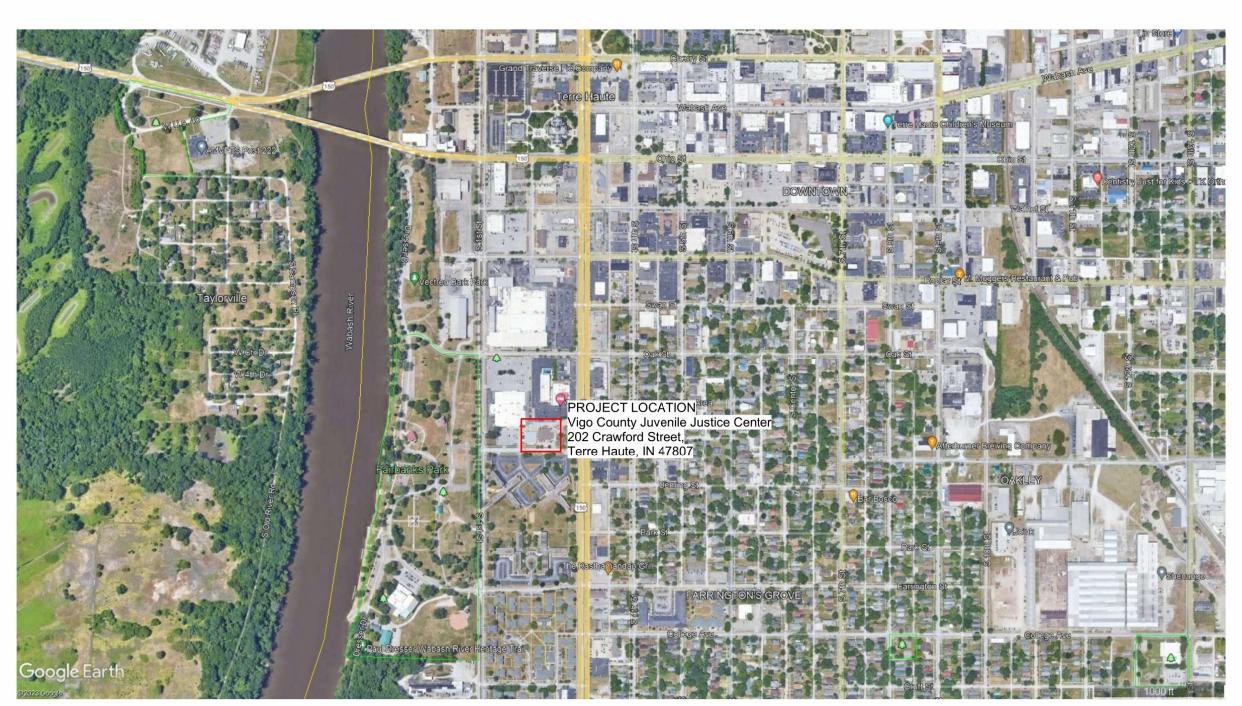
TRANSFORMER

DEGREE PLUS OR MINUS DIAMTER CENTERLINE PLATE AND ΒY AT

NUMBER WITH

DRAWING TITLE - DETAIL NUMBER — DRAWING NAME XXX # SCALE: - DRAWING SCALE ROOM NAME AND NUMBER ROOM NAME # DOOR MARK TARGET X KEYNOTE TARGET XXXX X WALL TYPE TARGET ×— WINDOW TARGET $\langle \mathbf{x} \rangle$

LOCATION MAP



GENERAL NOTES

A.	CONTRACTOR IS RESPONSIBLE TO CONFORM WITH APPLICABLE FEDERAL, STATE, AND STANDARDS.
В.	CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND EXISTING COND FROM THE INFORMATION IN THE DRAWINGS OR PROJECT MANUAL SHALL BE SUBMITTE
C.	KEYNOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRA
D.	SPECIFIC WORK ITEMS SHALL BE COORDINATED AND INTERFACED WITH ALL OTHER TRACCOMPLISH DESIGN INTENT.
E.	REFER TO DRAWINGS OF EACH TRADE OR DISCIPLINE FOR ADDITIONAL GENERAL NOTE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL.
F.	CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFOR
G.	FIELD VERIFY ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES, STRUCTURE UNDERGROUND UTILITIES PRIOR TO PERFORMING EARTHWORK, EXCAVATION, OR UTILI COMPLETELY LOCATE EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
Н.	LOCATION OF ALL TEMPORARY FACILITIES SHALL BE COORDINATED WITH OWNER AND A AREA, MATERIAL STORAGE AREA, ACCESS DRIVE(S), PARKING AREA, TOPSOIL STOCKPIN TEMPORARY FENCING.
I.	CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FIXTURES, EQUIPMENT, HARDWARE, BRACKETS, AND OWNER-PROVIDED EQUIPMENT. C OWNER'S REPRESENTATIVE.
J.	CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS WOOD AND METAL THE COMPLETE, UNIFORM, AND WEATHERTIGHT ASSEMBLY AS REQUIRED TO ACCOMPLISH
K.	ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTE AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
L.	CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH ASSEMBLY.
M.	WHERE DISCREPANCIES EXIST IN THE CONTRACT DOCUMENTS INCLUDING DISCREPANE WRITING FROM ARCHITECT. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PI WRITING SHALL BE SOLELY AT THE CONTRACTOR'S RISK.
N.	 CONTRACTOR SHALL SEAL ALL PENETRATIONS IN EXTERIOR WALL AND ROOF ASSEMBL AIRTIGHT BUILDING ENVELOPE. ALL JOINTS AND PENETRATIONS SHALL BE SEALED, GA 1. JOINTS AROUND FENESTRATION AND DOOR FRAMES. 2. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING PANELS. 3. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AN 4. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR RETARDER. 5. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.
0.	COORDINATE WITH OTHER CONSTRUCTION ACTIVITIES AND CONSTRUCTION SEQUENCI
Ρ.	CONTRACTOR TO PROTECT ALL ITEMS WITHIN THE CONSTRUCTION LIMITS (INCLUDING PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL
Q.	ALL PENETRATIONS AND JOINTS IN FIRE-RATED WALL ASSEMBLIES AND FLOOR/CEILING WHICH IS THE MOST APPROPRIATE FOR THE SPECIFIC APPLICATION BASED ON THE TYP APPLICATION.
R.	ALL VERTICAL FENESTRATION (OPERABLE AND FIXED GLAZED ASSEMBLIES) SHALL BE L RESISTANCE RATING, WHERE APPLICABLE. WINDOWS AND DOORS SHALL BE CERTIFIED
S.	THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS FROM THE ARCHITECT. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FAC FLOOR TO FACE OF FINISHED CEILING MATERIALS, UNLESS NOTED OTHERWISE.
т.	CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DEWATERING ACTIVITIES

T. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DEWATERING ACTIVITIES AS PART OF THE BASE BID AMOUNT. U. CONTRACTOR IS RESPONSIBLE TO KEEP ALL HVAC EQUIPMENT OPERATIONAL FOR THE DURATION OF THE PROJECT.

SYMBOLS

EXTERIOR ELEVATION TARGET A5.1 🗕 SHEET NUMBER

INTERIOR ELEVATION TARGET NUMBER

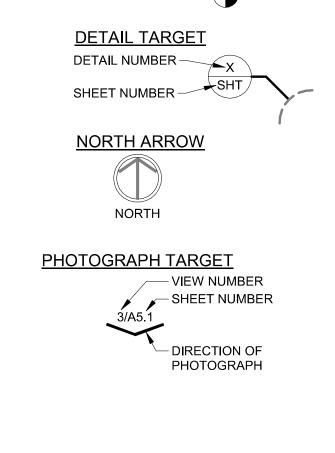
(SHT)-SHEET \checkmark NUMBER **BUILDING SECTION TARGET**

— VIEW NUMBER —

WALL SECTION TARGET VIEW NUMBER -**∦∽x**

SECTION DETAIL TARGET VIEW NUMBER -

∕∕∕⊾х`



VERTICAL ELEVATION BUBBLE



GENERAL G1.0 TITLE SHEET

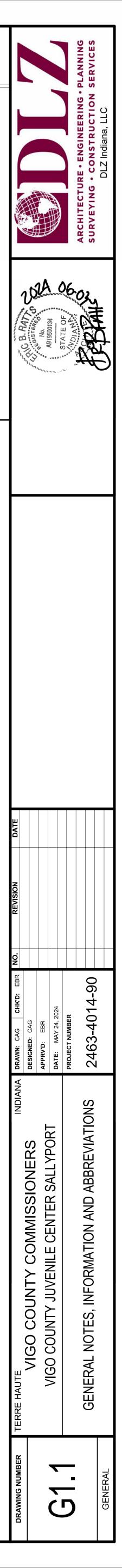
G1.1 GENERAL NOTES, INFORMATION AND ABBREVIATIONS ARCHITECTURE

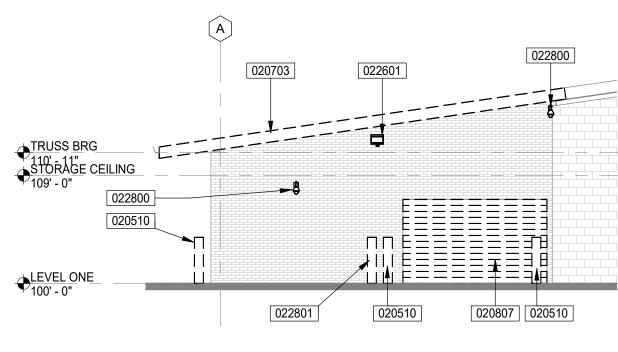
- AD2.1 FIRST FLOOR REMOVAL FLOOR PLAN
- A2.1 FIRST FLOOR, ROOF PLAN AND ELEVATIONS A3.1 DOOR AND FRAME SCHEDULE AND DETAILS
- A7.1 WALL SECTION AND DETAILS A7.2 WALL SECTION AND DETAILS

MECHANICAL

ME0.1 MECHANICAL AND ELECTRICAL GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES ME0.2 MECHANICAL PLUMBING AND FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES ME1.0 PARTIAL FIRST FLOOR MECHANICAL AND ELECTRICAL INSTALLATION PLAN

ID LOCAL CODES AND REGULATIONS INCLUDING APPLICABLE ORDINANCES AND REFERENCED IDITIONS PRIOR TO SUBMITTING A BID OR BEGINNING ANY WORK. CONDITIONS FOUND TO BE IN VARIANCE TED TO THE ARCHITECT IN WRITING FOR CLARIFICATION. TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT. THE ABSENCE OF A RAPHICALLY INDICATED ON THE DRAWINGS. RADES TO ALLOW FOR NEW CONSTRUCTION AND COMPLETE INSTALLATION AS REQUIRED TO TES AND INFORMATION, INCLUDING CIVIL/SITE DEVELOPMENT, ARCHITECTURAL, STRUCTURAL, FORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S ACTORS FOR THIS PROJECT. RES, WATER LINES, STORM AND SANITARY LINES, GAS LINES, ELECTRICAL CONDUIT, AND OTHER ILITY WORK. ENGAGE THE SERVICES OF A PRIVATE UTILITY LOCATE COMPANY IF NECESSARY TO ARCHITECT PRIOR TO MOBILIZATION ON-SITE, INCLUDING BUT NOT LIMITED TO TEMPORARY STAGING PILE AREA, WASTE DISPOSAL AREA, FIELD OFFICES AND TEMPORARY FACILITIES, JOB SIGN, AND ED FOR INSTALLATION OF ALL BUILDING COMPONENTS, INCLUDING BUT NOT LIMITED TO FURNISHINGS, CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS ASSOCIATED WITH EACH TRADE AND WITH TRIM, FLASHING, CLIP ANGLES, ANCHORS, SUPPORTS, AND CLOSURE TRIM REQUIRED TO PROVIDE A H THE DESIGN INTENT. TEN RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORY COMPONENTS SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION OR ELECTRICAL ITEMS MAY BE CH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL NCIES BETWEEN DRAWINGS AND PROJECT MANUAL, CONTRACTOR SHALL REQUEST CLARIFICATION IN PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION IN 3LIES WITH APPROPRIATE JOINT SEALANT(S) AND FLASHING(S) TO MAINTAIN A WEATHERTIGHT AND GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE, INCLUDING THE FOLLOWING: IG CORNERS, BETWEEN WALLS AND FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL AND FLOORS. ICING WITH OTHER PROJECT(S) AND WORK BEING PERFORMED CONCURRENTLY ON-SITE. SITE ELEMENTS) THAT ARE DESIGNATED TO REMAIN; ITEMS DAMAGED AS A RESULT OF WORK L CONDITION. G ASSEMBLIES SHALL BE SEALED WITH THE FIRESTOPPING SYSTEM OR FIRE-RESISTIVE JOINT SYSTEM YPE OF ASSEMBLY AND TYPE OF PENETRATING ELEMENT. SYSTEMS SHALL BE U.L.-LISTED FOR EACH E LABELED BY THE MANUFACTURER WITH U-FACTOR, SHGC RATING, SAFETY RATING, AND FIRE-ED AS MEETING AIR LEAKAGE REQUIREMENTS PER NFRC 400. NS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL REQUEST CLARIFICATION ACE OF CONCRETE, UNLESS NOTED OTHERWISE. CEILING HEIGHT DIMENSIONS ARE FROM FINISHED



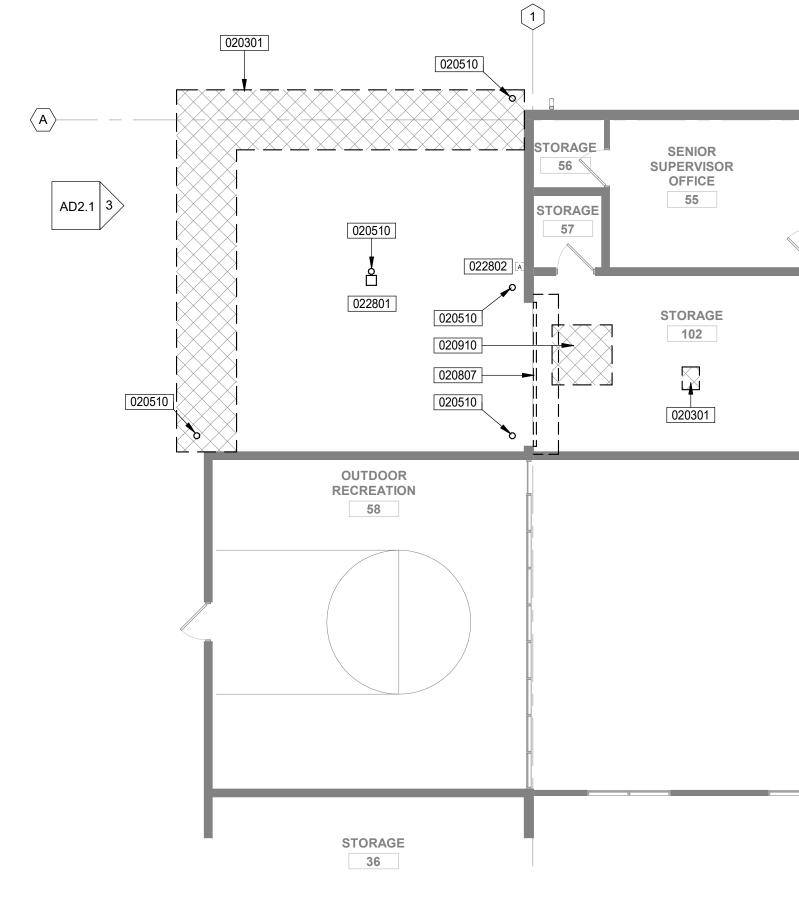


3 WEST ELEVATION - REMOVAL SCALE: 1/8" = 1'-0"

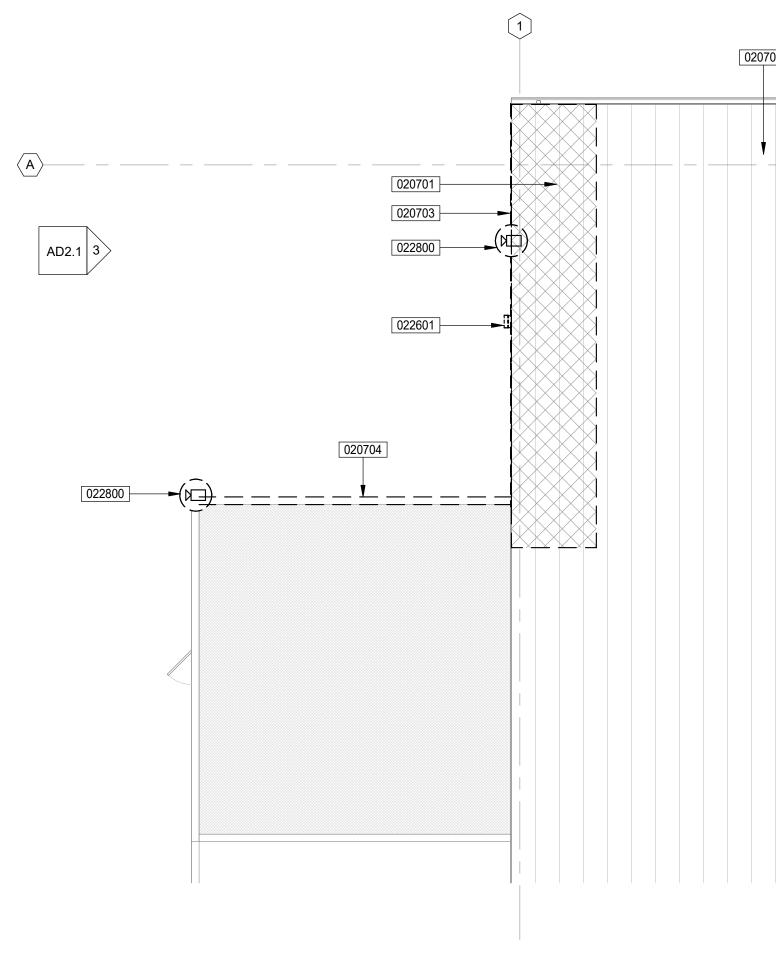
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02		 REFER TO G1.1 FOR ADDITIONAL GENERAL INFORMATION. REFER TO DRAWINGS OF ALL OTHER DISC REMOVALS AND SELECTIVE REMOVAL ACT C. CONTRACTOR SHALL FIELD VERIFY ALL EX DIMENSIONS PRIOR TO SELECTIVE REMOV D. EXISTING TO REMAIN ITEMS SHALL BE PRO THE DURATION OF THE PROJECT. IF ANY E DAMAGED DURING CONSTRUCTION, IT SHA RESTORED TO ITS ORIGINAL CONDITION. E. CONTRACTOR IS RESPONSIBLE TO PROVIE SHORING AND BRACING REQUIRED TO COI F. CONTRACTOR IS RESPONSIBLE FOR ALL C REQUIRED, INCLUDING ASSOCIATED REPA MATCH ADJACENT SURFACES. G. REMOVE ALL ABANDONED EQUIPMENT, DU ELECTRICAL, DATA, AND COMMUNICATIONS EQUIPMENT. EXPOSED UTILITIES SHALL BE AND LABELED.
		 AND LAGELEU. H. CONTRACTOR IS RESPONSIBLE FOR ALL TI ENVIRONMENTAL CONTROL MEASURES IN QUALITY CONTROL MEASURES. DUST CON CONTRACT AD DOTHER MEASURES REQUIE OCCUPANTS AND PROPERTY DURING SELE CONSTRUCTION ACTIVITIES. CONTRACTOR IS SOLELY RESPONSIBLE FO CONTRACT DOCUMENTS WITH FIELD COME REQUIRED FOR EACH TRADE. EXISTING CONCRETE SLAB-ON-GRADE SH/ REMOVED AS REQUIRED TO COMPLETE UN WORK. REPLACE CONCRETE SLAB-ON-GRA MATCH ADJACENT CONSTRUCTION. ALL CO REPLACE MEAT EVOND THAT SHOWN IS IN AND SHALL BE INCLUDED IN THE CONTRAC TO COMPLETE THE PROJECT. BUILDING SHALL REMAIN OCCUPIED DURIN SEQUENCE ALL DEMOLITION ACTIVITIES AG DISRUPTION OF BUILDING OCCUPANTS. RE DISRUPTION OF BUILDING OCCUPANTS. RE CONTRACTOR SHALL COORDINATE DEMOL NEW WORK TO VERIEY DIMENSIONS AND E PRIOR TO BEGINNING WORK. ALL KEYNOTES INDICATE ONE GRAPHICA CONTRACTOR SHALL USE THE GRAPHICAL COUNTS AND NOT THE KEYNOTES. THE AB DOES NOT ABSOLVE THE CONTRACTOR FF FEATURE GRAPHICALL Y SHOWN ON THE D KEEYNOTES 020301 SAW CUT AND REMOVE EXISTING C REQUIRED FOR NEW CONSTRUCTION 020510 REMOVE EXISTING ROOFING SYSTE INTO THE NEW CONSTRUCTION 020701 REMOVE EXISTING ROOFING SYSTE INTO THE NEW CONSTRUCTION 020702 EXISTING METAL ROOF SYSTEM TO 020703 REMOVE EXISTING FASCIA AS REQUIRED POWER OVER TO THE OWNER 020910 REMOVE EXISTING CONSTRUCTION 020701 REMOVE EXISTING GYPSUM BOARD WALL/CELLING AS REQUIRED.PATO TO MATCH EXISTING CONSTRUCTION 020702 EXISTING WALL PACK AREA LIGHTING REMAIN FOR CONNECTION DISCC ALL ASSOCIATED POWER CONDUCT DACK TO THE OWNER 020910 REMOVE EXISTING GYPSUM BOARD WALL/CELLING AS REQUIRED.PATO TO MATCH EXISTING GONSTRUCTION OWALL PACK AREA LIGHTING FIXTUR REQUIREMENTS. 022800 EXISTING SECURITY CAMERA TO BE RELOCATION DISCONNECT AND RE CONNECTION TO RELOCATED CAME CONNECTION TO RELOCATED CAME CONNECTION TO RE
MEDICAL EXAM 50 HOLDING 44	UE MECHANICAL	REMOVE ALL ASSOCIATED CABLING TO NEAREST JUNCTION/PULLBOX.S BE GIVEN TO OWNER AS ATTIC STO FOR CONNECTION TO RELOCATED I SECURITY CAMERA. REFER TO DRA LOCATION OF RELOCATED INTERCO CAMERA AND RE-CONNECTION REG 022802 EXISTING SURFACE MOUNTED ANTE FOR RELOCATION. EXISTING CABLIN RE-CONNECTION TO RELOCATED AN
INDOOR RECREATION 35		
		LEGEND: EXISTING TO BE REMOVE EXISTING MATERIAL TO KEYNOTE EXISTING TO REMAIN

RAL NOTES AND

ISCIPLINES FOR ADDITIONAL ACTIVITIES. EXISTING CONDITIONS AND IOVAL ACTIVITIES.

PROTECTED THROUGHOUT NY EXISTING ITEM IS SHALL BE REPLACED OR N.

OVIDE ALL TEMPORARY COMPLETE THE WORK. L CUTTING AND PATCHING EPAIR AND FINISHING TO

, DUCTWORK, PLUMBING, IONS LINES, DEVICES, AND L BE IDENTIFIED, CAPPED,

L TEMPORARY S INCLUDING APPLICABLE AIR CONTROL, EROSION QUIRED FOR PROTECTION OF SELECTIVE DEMOLITION AND

E FOR COORDINATING ONDITIONS AND WITH WORK

SHALL BE SAWCUT AND E UNDERGROUND PIPING GRADE AND FINISH TO L CONCRETE REMOVAL AND IS INCIDENTAL TO THE WORK RACTOR'S BID AS REQUIRED

IRING CONSTRUCTION. S ACCORDINGLY TO MINIMIZE . REFER TO PHASING PLANS. MOLITION ACTIVITIES WITH ID EXTENT OF REMOVALS

C REPRESENTATION TYPICAL. CAL REPRESENTATIONS FOR E ABSENCE OF A KEYNOTE R FROM PROVIDING THE IE DRAWINGS.

G CONCRETE SLAB AS CTION

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HTING FIXTURE TO BE ISCONNECT AND REMOVE DUCTORS FROM FIXTURE ULLBOX. CONDUCTORS TO RELOCATED LIGHT FIXTURE. LOCATION OF RELOCATED TURE AND RE-CONNECTION

D BE REMOVED FOR REMOVE ALL ASSOCIATED TO NEAREST O REMAIN FOR AMERA. REFER TO OF RELOCATED CAMERA MENTS.

VITH INTERCOM AND DVED. DISCONNECT AND LING FROM BOLLARD BACK DX. SECURITY CAMERA TO STOCK. CABLING TO REMAIN ED INTERCOM AND DRAWING ME1.0 FOR RCOM AND SECURITY REQUIREMENTS.

ANTENNA TO BE REMOVED BLING TO REMAIN FOR D ANTENNA.

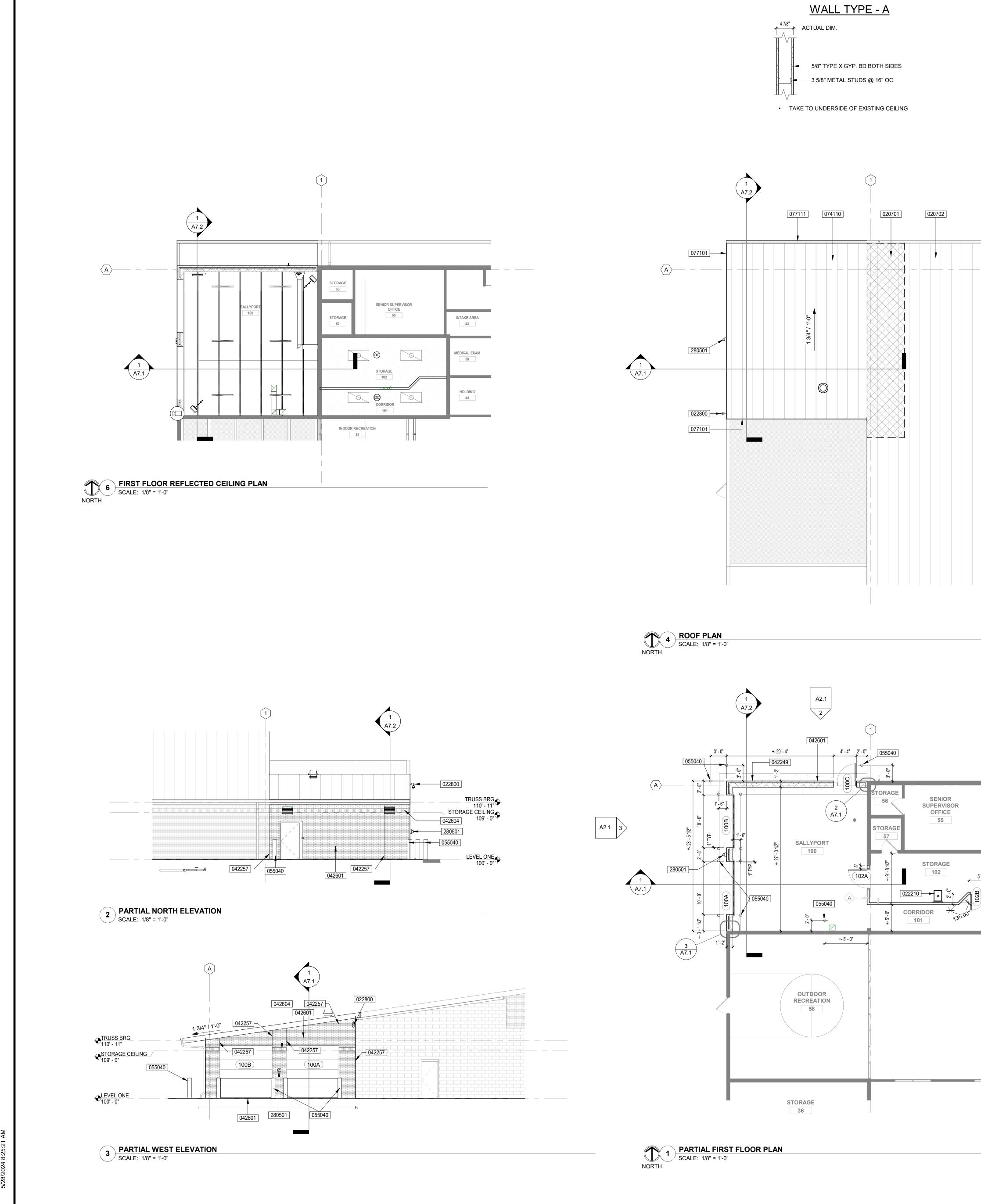


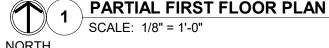
RCHITECTURE • ENGINEERING • PLAI URVEYING • CONSTRUCTION SER DI Z Indiana, LLC

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AD2.1 ACHITECTURE ARCHITECTURE ARCHITECTURE





			ROO	OM FIN	NISH S	CHE	DULE			A. REFER TO G1.1 FOR ADDITIONAL GE
ROOM		FLOO		NORTH	I EAST		H WES		REMARKS	 A. REFERING GITTION ADDITIONAL GENERATION. B. COORDINATE WITH M.E.P. FOR ANY REQUIREMENTS.
101	ROOM NAME SALLYPORT CORRIDOR	EXS - EXPXY -	BASE	PT1 PT1	PT1 PT1	PT1 PT1	H FINIS	PT2 PT2	1	C. DIMENSIONS ARE TO FACE OF STUD CONSTRUCTION.
102 <u>ABBREVIA</u> EXS EXPXY	<u>STORAGE TIONS:</u> EXISTING SLAB ON EXISTING EPOXY F	N GRADE TO RE	EMAIN	PT1 <u>REMARH</u> 1. REPA		PT1 EPOXY F	PT1 FLOOR TO	PT2 MATCH EXISTING	1	D. ALL KEYNOTES INDICATE ONE GRAF TYPICAL. CONTRACTOR SHALL USE REPRESENTATIONS FOR COUNTS A
Г-1	PAINT, COLOR 1									ABSENCE OF A KEYNOTE DOES NOT FROM PROVIDING THE FEATURE GR DRAWINGS.
										ROOF PLAN NOTES A. REFER TO G1.1 FOR ADDITIONAL GE
										INFORMATION. B. REFER TO MECHANICAL AND PLUME PENETRATING ITEMS. COORDINATE
										FIELD. C. CENTER PENETRATIONS IN MIDDLE SEAM METAL ROOFS.
										KEYNOTES
										020701 REMOVE EXISTING ROOFING INTO THE NEW CONSTRUCTIO
										020702 EXISTING METAL ROOF SYSTE
										022210 SINK - SEE FLOMBING 022800 EXISTING SECURITY CAMERA RELOCATION. DISCONNECT A
										CABLING FROM CAMERA BACK JUNCTION/PULLBOX. CABLING TO RELOCATED CAMERA. REF LOCATION OF RELOCATED CA
										042249 MASONRY CONTROL JOINT
										042257 BRICK EXPANSION JOINT
3/4" / 1'-0"										042601 MASONRY BRICK VENEER - TY 042604 MASONRY BRICK VENEER - TY
1 3/4"										EXISTING 055040 6" DIA. METAL PIPE BOLLARDS
										074110 STANDING-SEAM METAL ROOF 077101 PRE-FINISHED METAL FASCIA
										077111 METAL GUTTER - MATCH EXIS
										280501 RE-INSTALL EXISTING REMOV TO KEYNOTE #022800 ON DRA INFORMATION. CAMERA TO B WALL, PROVIDE ONE (1) 2-GA
										WEATHERPROOF DEVICE BO EXISTING, FIELD VERIFY EXAC EXTEND EXISTING CABLING A
										CAMERA; SPLICING OF EXIST ACCEPTABLE UNLESS APPRO
						_/			_	
TOILE	T/ SUP	SHIFT ERVISOR DFFICE	IS	AINEE SUE 52	VEST	Y	MECHA	NICAL		
SHOW	ER	53		52		1	4			
			TAKE REA				OILET 48			
	EDICAL EXAM 50		43		SITOR'S /AITING 49					
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INDOC RECREA 35	TION			2		OOM 39		-		
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ii	u u u		1							
										LEGEND:

DTES - FLOOR PLANS: DDITIONAL GENERAL NOTES AND

I.E.P. FOR ANY POWER, DATA OR EQUIPMENT

FACE OF STUD, CMU AND POST FRAME

TE ONE GRAPHIC REPRESENTATION OR SHALL USE THE GRAPHICAL OR COUNTS AND NOT THE KEYNOTES. THE DTE DOES NOT ABSOLVE THE CONTRACTOR FEATURE GRAPHICALLY SHOWN ON THE

DITIONAL GENERAL NOTES AND

AND PLUMBING DRAWINGS FOR ROOF COORDINATE EXACT LOCATION IN THE

S IN MIDDLE OF ROOF PANEL AT STANDING

NG ROOFING SYSTEM AS REQUIRED TO TIE CONSTRUCTION

ROOF SYSTEM TO REMAIN

RITY CAMERA TO BE REMOVED FOR ISCONNECT AND REMOVE ALL ASSOCIATED CAMERA BACK TO NEAREST BOX. CABLING TO REMAIN FOR CONNECTION CAMERA. REFER TO DRAWING ME1.0 FOR RELOCATED CAMERA AND RE-CONNECTION

VENEER - TYPE 1, MATCH EXISTING

VENEER - TYPE 1, SOLDIER COURSE MATCH

PE BOLLARDS WITH PLASTIC COVERS

METAL ROOF PANEL - MATCH EXISTING IETAL FASCIA - MATCHING EXISTING

- MATCH EXISTING

STING REMOVED SECURITY CAMERA, REFER 022800 ON DRAWING AD2.1 FOR MORE CAMERA TO BE SURFACE MOUNTED ON ONE (1) 2-GANG SURFACE MOUNTED F DEVICE BOX ON WALL AT SAME HEIGHT AS VERIFY EXACT HEIGHT. MODIFY AND IG CABLING AS NEEDED TO RELOCATED NG OF EXISTING CABLING SHALL NOT BE ILESS APPROVED BY ENGINEER.



-90 4 2463-401 24 DESIGNE DESIGNE APPRV'D DATE: PROJECT VIGO COUNTY COMMISSIONERS ROOF PLAN AND ELEVATIONS FIRST FLOOR, $\overline{}$ A2

MASONRY BRICK VENEER - TYPE 1,

3/16" STEEL CLOSURE PLATE -

SEALANT CONTINUOUS PERIMETER,

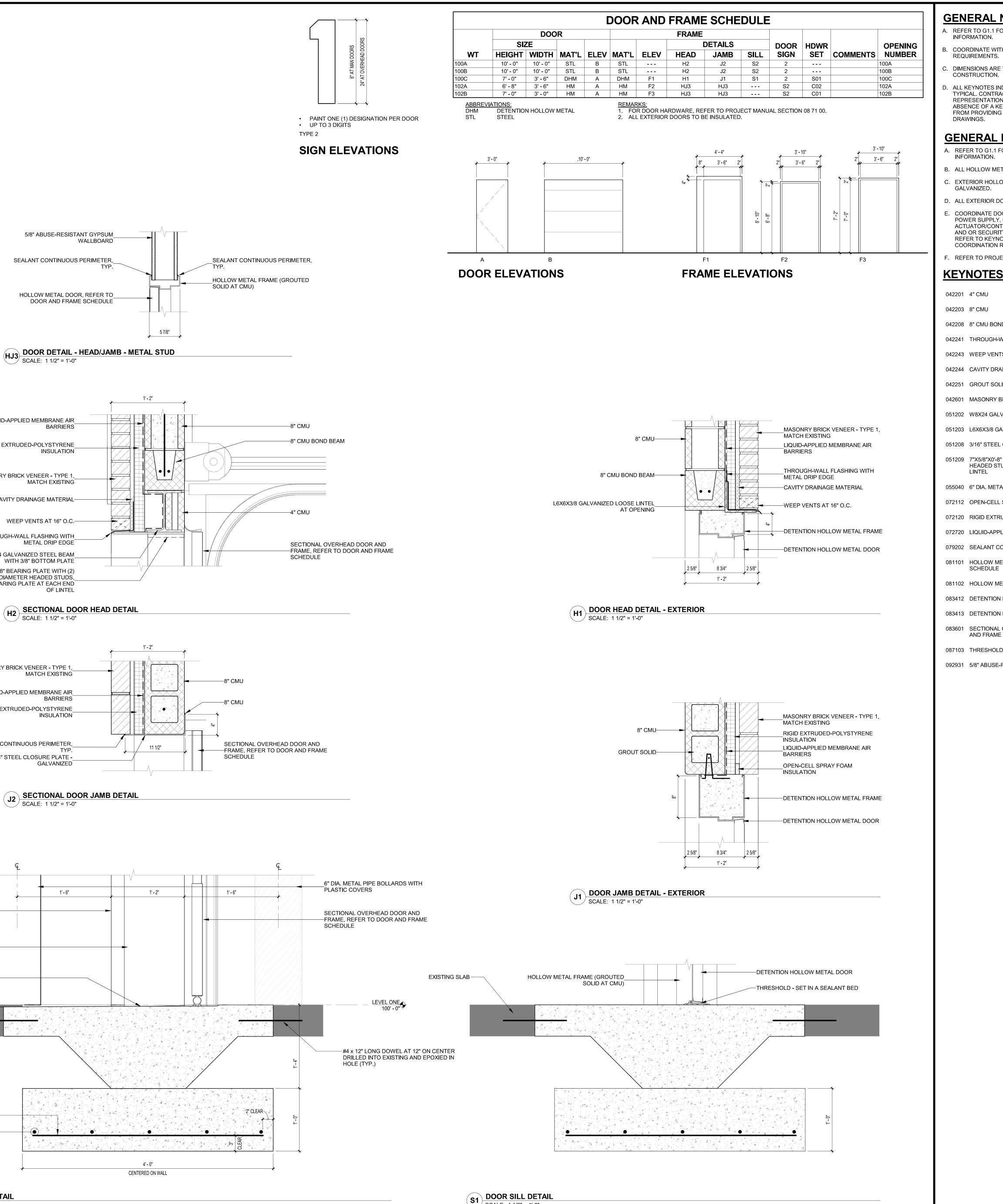
MATCH EXISTING

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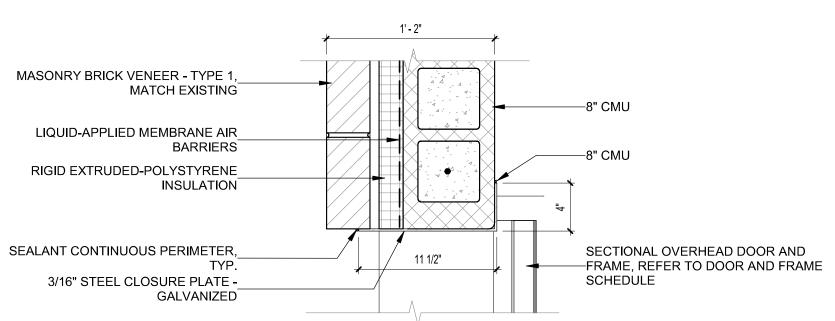
TYP.

#5 AT 12" ON CENTER --

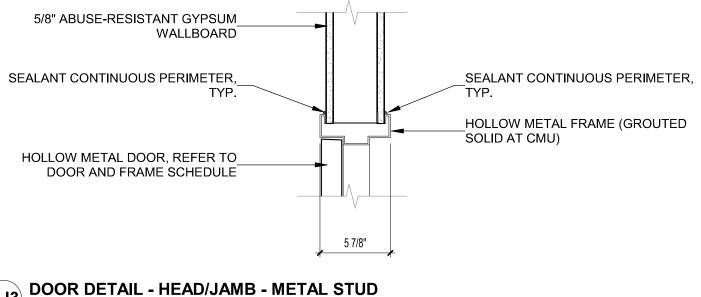
5-#5 CONTINUOUS -



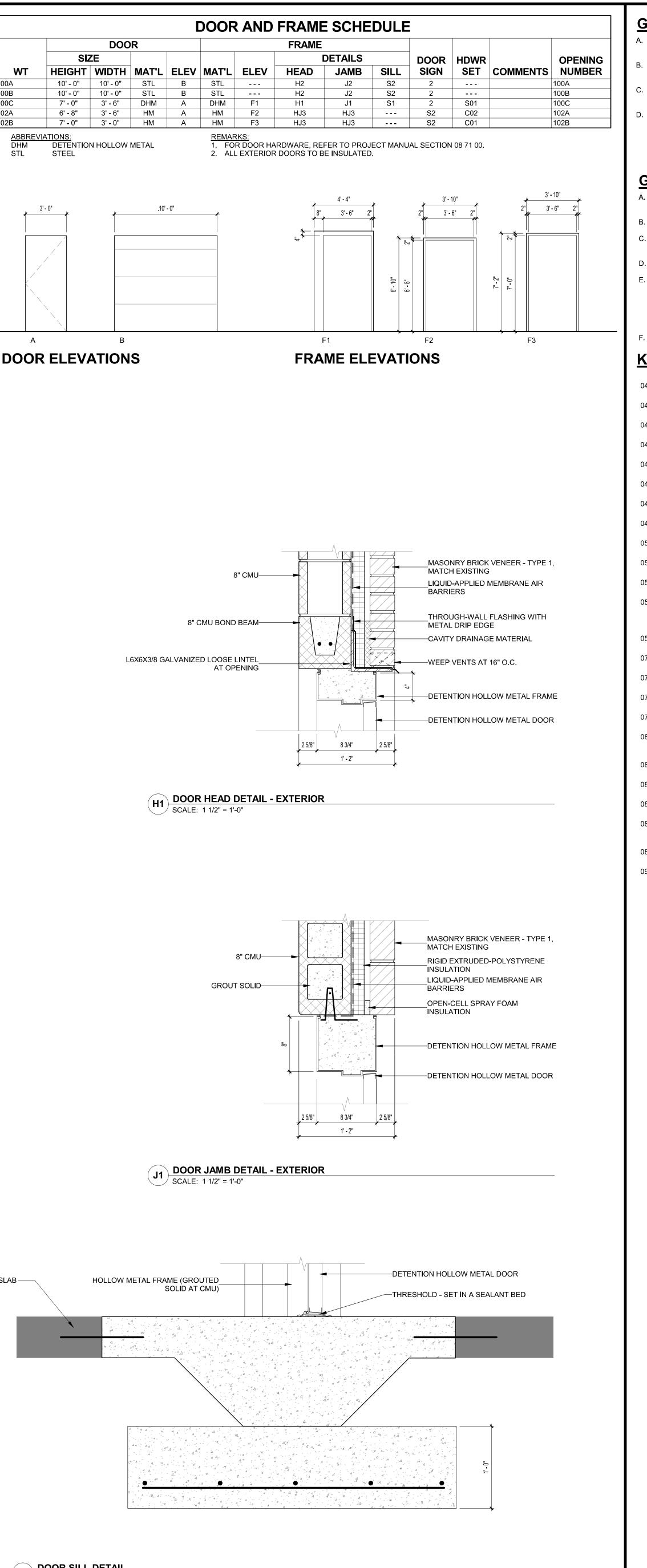
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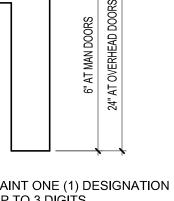


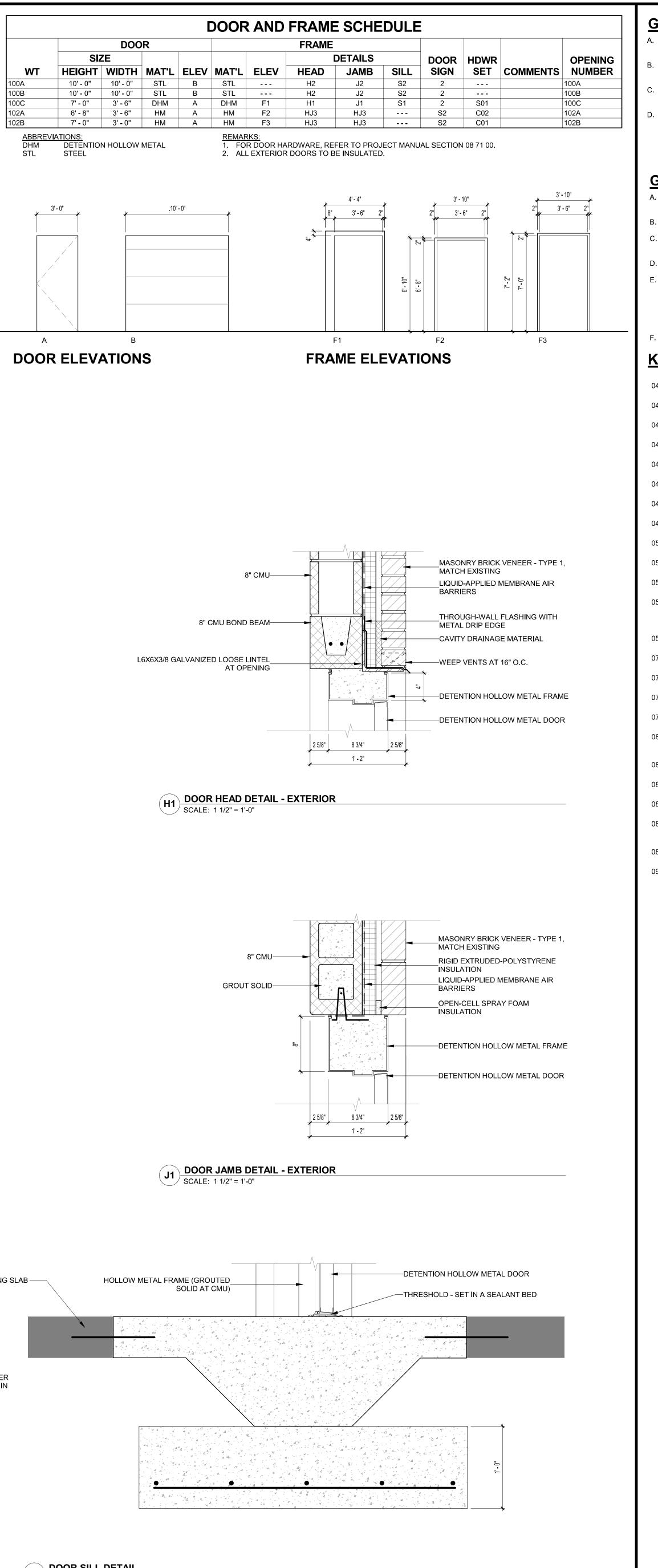
LIQUID-APPLIED MEMBRANE AIR RIGID EXTRUDED-POLYSTYRENE MASONRY BRICK VENEER - TYPE 1, MATCH EXISTING CAVITY DRAINAGE MATERIAL WEEP VENTS AT 16" O.C.-THROUGH-WALL FLASHING WITH METAL DRIP EDGE W8X24 GALVANIZED STEEL BEAM WITH 3/8" BOTTOM PLATE 7"X5/8"X0'-8" BEARING PLATE WITH (2) 1/2" DIAMETER HEADED STUDS, PLACE BEARING PLATE AT EACH END











DRAWINGS. **GENERAL NOTES - DOORS:** A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION. B. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED. D. ALL EXTERIOR DOORS SHALL BE INSULATED. E. COORDINATE DOOR HARDWARE (I.E. ELECTRIC STRIKE, DOOR POWER SUPPLY, DOOR POSITION SWITCH, DOOR ACTUATOR/CONTROLLER, ETC). WITH ELECTRICAL CONTRACTOR AND OR SECURITY ELECTRONICS (ACCESS CONTROL) VENDER. REFER TO KEYNOTE 260003 ON DRAWING ME1.0 FOR ADDITIONAL COORDINATION REQUIREMENTS. F. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. **KEYNOTES** 042201 4" CMU 042203 8" CMU 042208 8" CMU BOND BEAM 042241 THROUGH-WALL FLASHING WITH METAL DRIP EDGE 042243 WEEP VENTS AT 16" O.C. 042244 CAVITY DRAINAGE MATERIAL 042251 GROUT SOLID 042601 MASONRY BRICK VENEER - TYPE 1, MATCH EXISTING 051202 W8X24 GALVANIZED STEEL BEAM WITH 3/8" BOTTOM PLATE 051203 L6X6X3/8 GALVANIZED LOOSE LINTEL AT OPENING 051208 3/16" STEEL CLOSURE PLATE - GALVANIZED 051209 7"X5/8"X0'-8" BEARING PLATE WITH (2) 1/2" DIAMETER HEADED STUDS, PLACE BEARING PLÁTE AT EACH END OF LINTEL 055040 6" DIA. METAL PIPE BOLLARDS WITH PLASTIC COVERS 072112 OPEN-CELL SPRAY FOAM INSULATION 072120 RIGID EXTRUDED-POLYSTYRENE INSULATION 072720 LIQUID-APPLIED MEMBRANE AIR BARRIERS 079202 SEALANT CONTINUOUS PERIMETER, TYP. 081101 HOLLOW METAL DOOR, REFER TO DOOR AND FRAME SCHEDULE 081102 HOLLOW METAL FRAME (GROUTED SOLID AT CMU) 083412 DETENTION HOLLOW METAL DOOR 083413 DETENTION HOLLOW METAL FRAME 083601 SECTIONAL OVERHEAD DOOR AND FRAME, REFER TO DOOR AND FRAME SCHEDULE 087103 THRESHOLD - SET IN A SEALANT BED

092931 5/8" ABUSE-RESISTANT GYPSUM WALLBOARD

GENERAL NOTES - FLOOR PLANS: A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND

3. COORDINATE WITH M.E.P. FOR ANY POWER, DATA OR EQUIPMENT

DIMENSIONS ARE TO FACE OF STUD, CMU AND POST FRAME

ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHICAL REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE



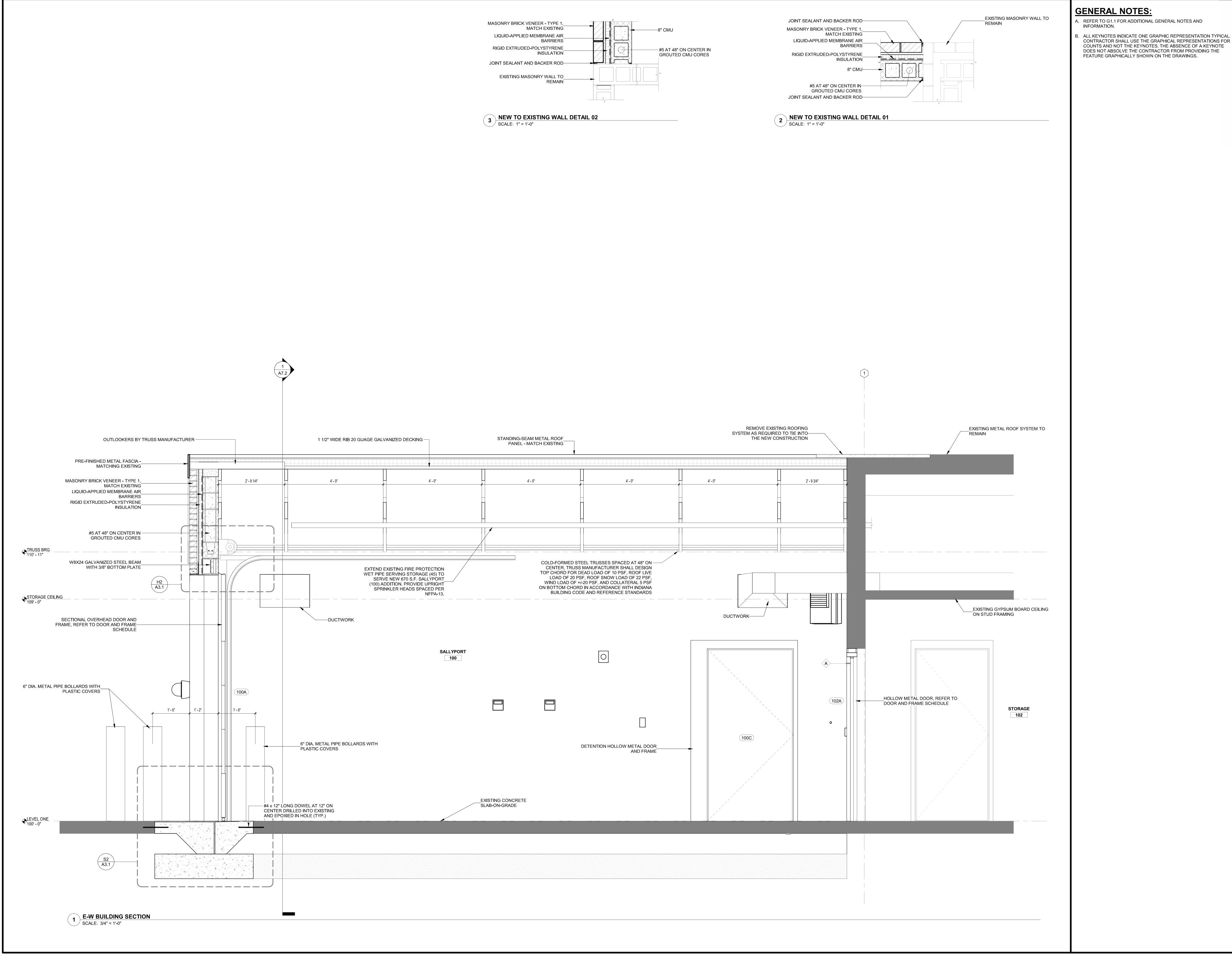


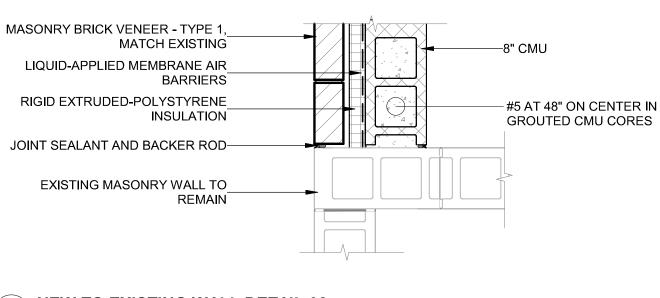
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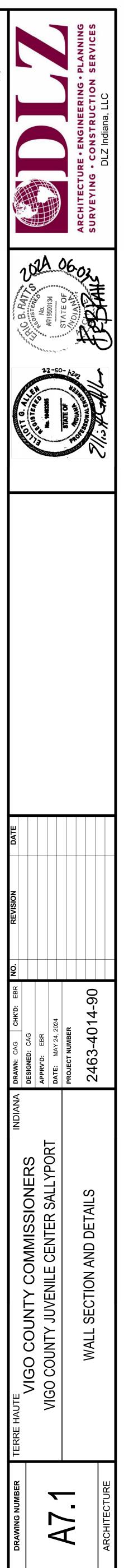
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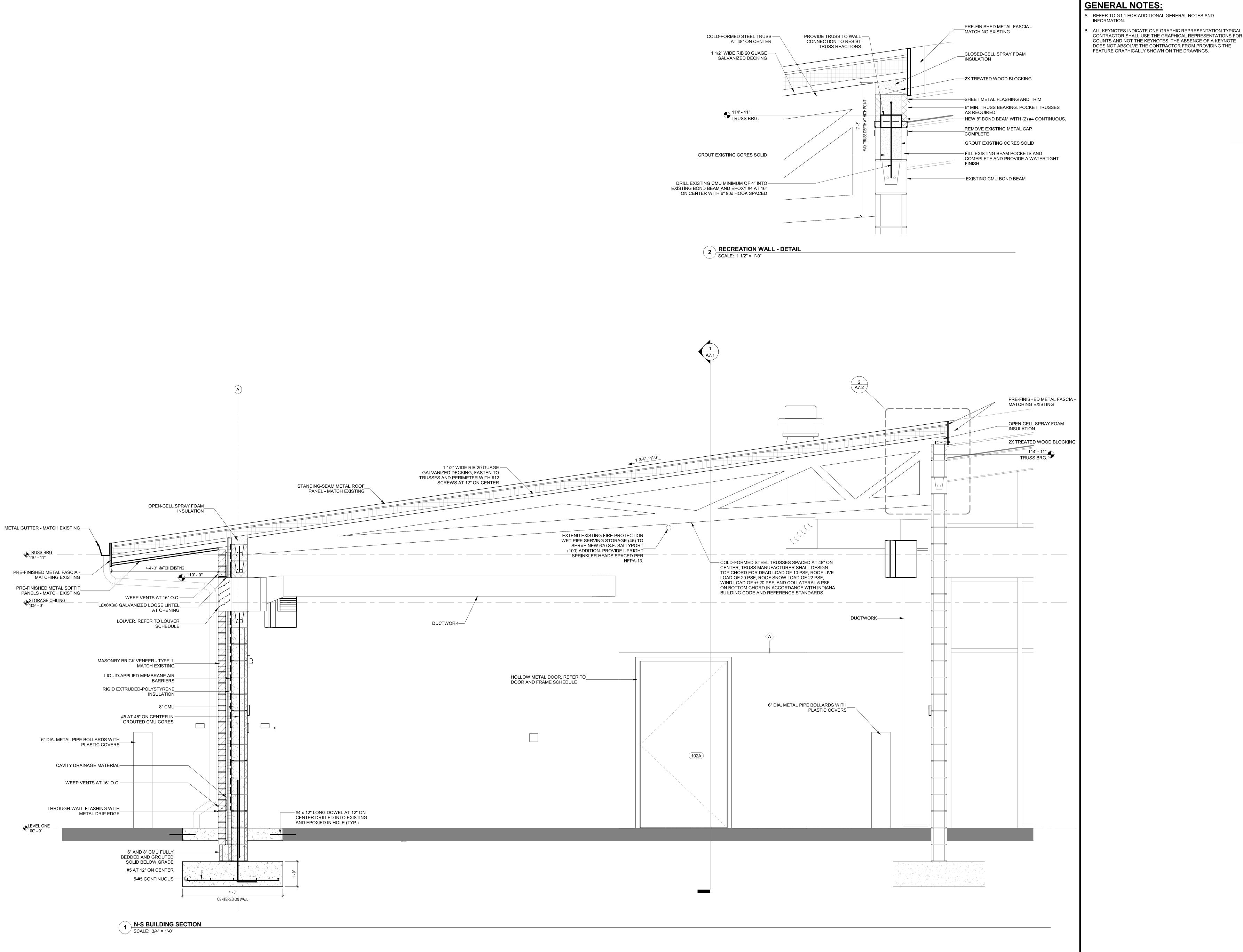


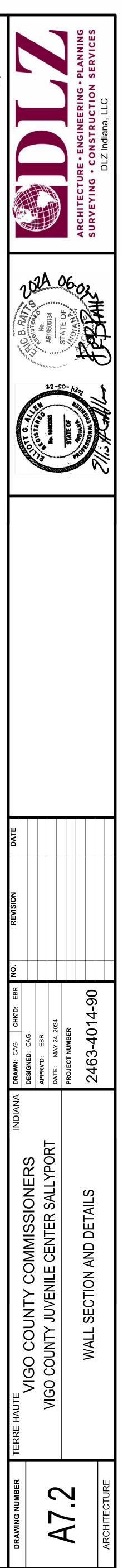












ELECTRICAL SYMBOLS:

GFCI *⊕ SUR	DUPLEX RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH BOTTOM AT +16" AFF UON. GFCI = GROUND FAULT CIRCUIT INTERRUPTING TYPE DEVICE. SUR = DEVICE TO BE SURFACE MOUNTED UON. ASTERISK '*' = VANDALPROOF STYLE RECEPTACLE FACEPLACE.	IC	REMOTE INTERCOM STATION W/CALL STATION, ROUGH-INS (I.E. BOX, CONDUIT, SLEEVE, J-HOOKS, ETC.) FURNISHED AND INSTALLED BY CONTRACTOR. ONE (1) CAT 6 CABLE, BACK TO SECURITY RACK, FUNISHED AND INSTALLED BY CONTRACTOR.	<u>GF</u> A. B.
JJJ	JUNCTION BOX		EQUIPMENT/DEVICE FURNISHED AND INSTALLED BY OWNER. FIELD VERIFY EXACT LOCATION/MOUNTING/HEIGHT WITH OWNER PRIOR	<u>LC</u> A.
-	DISTRIBUTION PANELBOARD		TO CONSTRUCTION. PROVIDE ONE (1) 4-SQUARE BOX WITH SINGLE-GANG TILE RING, 3/4"C AT EACH LOCATION. WP = WEATHERPROOF DEVICE	A. B.
	PANELBOARD		PROXIMITY CARD READER, ROUGH-INS (I.E. BOX, CONDUIT,	C.
4	NON-FUSED DISCONNECT SWITCH; SEE DRAWINGS FOR DETAILED REQUIREMENTS		SLEEVE, J-HOOKS, ETC.) FURNISHED AND INSTALLED BY CONTRACTOR. ONE (1) CAT 6 CABLE AND TWO (2) #18 THHN FROM	U.
3 🖂	NON-COMBINATION MAGNETIC MOTOR STARTER NUMBER INDICATES NEMA RATING, SIZE 1 UON	CA	DOOR CONTROLLER BACK TO ACCESS CONTROL HEAD END, FUNISHED AND INSTALLED BY CONTRACTOR. EQUIPMENT/DEVICE FURNISHED AND INSTALLED BY OWNER. FIELD VERIFY EXACT	D.
M	MOTOR		LOCATION/MOUNTING/HEIGHT WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE ONE (1) 4-SQUARE BOX WITH SINGLE-	
	CONDUIT CONCEALED IN GROUND OR FLOOR.		GANG TILE RING, 3/4"C AT EACH LOCATION.	E.
o>	CONDUIT TURN UP AND TURN DOWN RESPECTIVELY.	ES	ELECTRIC DOOR STRIKE. FURNISHED BY DOOR HARWARE VENDOR AND WIRED BY OWNER.	F.
A L1# a	LIGHT FIXTURE. "A" INDICATES FIXTURE TYPE. "a" INDICATES SWITCH LEG. "L1#" INDICATES PANELBOARD CIRCUIT NUMBER			G.
X	BRANCH CIRCUIT HOME-RUN SYMBOLOGY:		POE VIDEO SURVEILLANCE SECURITY CAMERA, ROUGH-INS (I.E. BOX, CONDUIT, SLEEVE, J-HOOKS, ETC) FURNISHED AND INSTALLED	H.
	- SOLID CIRCLE INDICATES GROUND CONDUCTOR		BY CONTRACTOR. ONE (1) POE CAT 6 CABLE, BACK TO CAMERA	
	- LONG LINE INDICATES NEUTRAL CONDUCTOR(S)	CAM	HEAD-END, FURNISHED AND INSTALLED BY CONTRACTOR. EQUIPMENT/DEVICE FURNISHED AND INSTALLED BY OWNER. FIELD	
	- SHORT LINE INDICATES PHASE CONDUCTOR(S)		VERIFY EXACT CAMERA LOCATION/MOUNTING/HEIGHT WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE 10'-0" OF EXTRA CABLE	I.
F *	FIRE ALARM MANUAL PULL STATION. FLUSH MOUNT ON WALL WITH TOP AT +48" AFF PER NFPA 72. ASTERISK '*' = VANDALPROOF STYLE DEVICE GUARD.		LOOPED AT CAMERA END TO ACCOMODATE FINAL PLACEMENT. PROVIDE ONE (1) 4-SQUARE BOX WITH SINGLE-GANG TILE RING, 3/4"C AT EACH LOCATION. WP = WEATHERPROOF DEVICE	<u>CC</u> A.
			WF - WEATHERFROOF DEVICE	В.
FKX *	FIRE ALARM HORN WITH VISUAL/SYNCHRONIZED STROBE. FLUSH MOUNT ON WALL WITH TOP AT +80" AFF PER NFPA 72. ASTERISK '*' = VANDALPROOF STYLE DEVICE GUARD.			C.
(S) _P *	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT. ASTERISK '*' = VANDALPROOF STYLE DEVICE GUARD.			D.
r				E.
\$	TOGGLE SWITCH, 120/277V, 1-POLE, 20A.			F.
aOC	DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNT COVER SENSOR DEPENDENT ON ROOM SIZE, "a" INDICATES SWITCH LEG. NOT SHOWN - FIELD LOCATE AND RECORD ON RECORD DRAWING	POWER PA	ACKS	G.
		- .		

					Lighting Fixture Schedule			
TYPE	LAMP	WATTAGE	VOLTS	DESCRIPTION	BASIS OF DESIGN	EQUAL MANUFACTURER APPROVED BY ENGINEER	EQUAL MANUFACTURER APPROVED BY ENGINEER	TYPE COMMENTS
A1	LED	24 W			ACUITY BRANDS LITHONIA CLX-L48-4000LM-HEF-FDL-MVOLT-EZ1 -40K-80CRI-MSD7-XX			SUSPEND FROM CEILING MOUNT (CHAIN) WITH BOTTOM OF FIXTURE A +10'-0" AFF
X1	LED	1 W	-	LED COMBINATION EMERGENCY EGRESS/EXIT FIXTURE WITH BATTERY CAPACITY FOR 1 REMOTE EGRESS LAMP HEAD [AS INDICATED ON LIGHTING PLAN], TWO ROUND LAMP HEADS, 80 CRI, 6200K COLOR 85 LUMENS, THERMOPLASTIC HOUSING WITH WHITE FINISH. PROVIDE WITH INTEGRAL BATTERY/INVERTER SUITABLE FOR 90 MINUTES OF OPERATION.		CURRENT LIGHTING COMPASS CCGRC SERIES AS AN APPROVED EQUAL		FIELD ADJUST AIM OF THE THE TWO LAMP HEADS TO EVENLY ILLUMINATE THE INTERIOR PATH(S) OF EGRESS.
X2	LED	2 W	120 V	EMERGENCY EGRESS REMOTE LAMP HEAD FIXTURE, TWIN, LED WEATHER-PROOF HEAD, ROUND, GRAY, 1.5W, 3.6V INPUT.		CURRENT LIGHTING COMPASS CORD SERIES AS AN APPROVED EQUAL	AS AN APPROVED EQUAL	EXTERIOR EGRESS FIXTURE SHALL BE POWERED FROM THE CORRESPONDING TYPE X1 FIXTURE IN THE INTERIOR OF BUILDING. FIELD ADJUST AIM OF THE LAMP HEADS TO EVENLY ILLUMINATE THE EXTERIOR AT PATH(S) OF EGRESS.

SPECIFICATIONS (ELECTRICAL):

- <u>GROUNDING AND BONDING:</u> A. COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND EQUIPMENT.
- B. PROVIDE EQUIPMENT GROUNDING CONDUCTOR WITH ALL BRANCH CIRCUITS AND EQUIPMENT FEEDERS UON.
- LOW-VOLTAGE CONDUCTORS AND CABLING: A. CONDUCTOR INSULATION TYPE THWN-2, OR TYPE XHHW-2 (MINIMUM SIZE: #12 AWG).
- B. BRANCH CIRCUITS SHALL BE SOLID FOR #12 AWG; STRANDED FOR #10 AWG AND LARGER.
- C. USE MANUFACTURER- APPROVED PULLING COMPOUND OR LUBRICANT WHERE NECESSARY; COMPOUND MUST NOT DETERIORATE CONDUCTOR OR INSULATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSIONS AND SIDEWALL PRESSURE VALUES.
- D. USE PULLING MEANS THAT WILL NOT DAMAGE CABLES OR RACEWAYS.
- E. INSTALL CONDUCTORS AT EACH WIRING DEVICE BOX WITH AT LEAST 6 INCHES OF SLACK. IDENTIFY AND LABEL FIRE ALARM CABLING IN ACCORDANCE WITH REQUIREMENTS AS INDICA
- BY FIRE ALARM VENDOR'S SHOP DRAWING SUBMITTAL (AS REVIEWED/APPROVED BY ENGINE
- G. IDENTIFY SIGNAL/CONTROL/COMMUNICATION WIRE ON EACH END AND AT EACH TERMINAL W A NUMBER-CODED IDENTIFICATION TAG. EACH WIRE SHALL HAVE A UNIQUE TAG.
- H. WHERE CABLING IS TO BE INSTALLED IN EXISTING TO REMAIN CONDUIT(S)/CONDUIT SEGMENT(S), PROVIDE PULLSTRING(S) AND DE-GREASE/DE-BURR CONDUIT CONDUIT(S) PRIO TO RE-USE.
- SIGNAL/CONTROL/COMMUNICATION CABLING SHALL BE PLENUM RATED.
- <u>CONDUIT, HANGERS, AND SUPPORTS:</u> A. HANGERS AND SUPPORTS SHALL BE COMPATIBLE WITH RACEWAY OR ENCLOSURE TYPE INSTALLED.
- B. SPACE SUPPORTS FOR CONDUIT AS REQUIRED BY NFPA 70.
- C. GALVANIZED SURFACES: CLEAN CONDUIT, WELDS, BOLTED CONNECTIONS, AND ABRADED AR AND APPLY GALVANIZING-REPAIR PAINT TO COMPLY WITH ASTM A780.
- D. MINIMUM CONDUIT SIZE SHALL BE TRADE SIZE 3/4.
- E. BOXES AND COVERS SHALL BE COMPATIBLE WITH WIRE TYPE INSTALLED.
- F. CONDUIT FITTINGS SHALL BE COMPATIBLE WITH CONDUIT TYPE INSTALLED. G. ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID
- FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LENGTH, NOR GREATER THAN 36" IN LENGT H. CONDUITS SHALL BE SUPPORTED BY GALVANIZED STEEL HANGERS; CONDUIT SUPPORT SPACE
- SHALL NOT EXCEED NEC REQUIREMENTS. WIRE HANGERS SHALL NOT BE PERMITTED. I. ANCHORS AND SUPPORTS (I.E. CHANNEL FRAME, THREADED ROD, ETC.) SHALL BE GALVANIZE
- STEEL. J. CONDUIT TYPE(S) FOR INTERIOR LOCATIONS SHALL BE AS FOLLOWS: a. DAMP/WET LOCATIONS: RIGID GALVANIZED STEEL (RGS) b. DRY LOCATIONS: ELECTRICAL METALLIC TUBING (EMT) c. SUBJECT TO DAMAGE: RIGID GALVANIZED STEEL (RGS)
- d. STUB-UPS THROUGH CONCRETE FLOOR: RIGIS GALVANIZED STEEL (RGS) K. CONDUIT TYPE(S) FOR EXTERIOR LOCATIONS SHALL BE AS FOLLOWS: a. EXPOSED: RIGID GALVANIZED STEEL (RGS)
- b. DIRECT BURIED NOT SUBJECT TO DAMAGE: PVC SCHEDULE 40 c. STUB-UPS/PENETRATIONS THROUGH CONCRETE FOUNDATION: RIGID GALVANIZED STEEL
- L. FITTINGS FOR RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE THREADED. M. FITTINGS FOR EMT CONDUIT SHALL BE RIGID STEEL COMPRESSION COUPLINGS; SET SCREW
- FITTINGS SHALL NOT BE ACCEPTABLE N. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL HAVE ZINC INTERIOR/EXTERIOR COATING. U THREADED RAINTIGHT COMPRESSION COUPLINGS FOR EXTERIOR LOCATIONS. INSTALL PER N ARTICLE 344 AND NECA NEIS 101. APPLY LISTED COMPOUND THAT MAINTAINS ELECTRICAL CONDUCTIVITY TO THREADS OF DUCT RACEWAY AND FITTINGS BEFORE MAKING UP JOINTS.
- FOLLOW COMPOUND MANUFACTURER'S PUBLISHED INSTRUCTIONS. O. WIRING DEVICE BOXES LOCATED IN EXTERIOR LOCATIONS SHALL BE WATER-TIGHT DIE-CAST ALUMINUM WITH WHILE-IN-USE LOCKABLE COVER.
- P. WIRING DEVICE BOXES LOCATED IN INTERIOR DRY LOCATIONS SHALL BE SQUARE STEEL BOXES; GANGABLE BOXES SHALL NOT BE ACCEPTABLE; PROVIDE PLUGS TO COVER ALL BOX OPENINGS/KNOCK-OUTS.
- Q. CABLE TIES SHALL BE UV-RESISTANT.

					E	LECTRICAL GENERAL NOTES:
NT	DEVIC DEVIC (PANE	R TO CONSTRUCTION COMPLETION, EC SHA E BOXES, ETC.; PROVIDE LABELING OF WIF E BOXES AND ENCLOSURES; LABELING SH LBOARD/CIRCUIT NUMBERS, ZONING, ETC.	RING LOCATE ALL INDICATI). ELECTRICA	ED WITHIN JUNCTION/PULL/WIRING E CIRCUIT INFORMATION AL EQUIPMENT ENCLOSURES SHALL	A.	DRAWINGS ARE DIAGRAMMATIC. LOCATIONS/HEIGHTS FOR NEW/I ELECTRICAL ITEMS SHALL BE FIELD VERIFIED/DETERIMINED PRIO CONSTRUCTION.
	PHEN FIELD		√E 1/4" HIGH,	BLACK BLOCK LETTERS ON A WHITE	B.	ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELEC LATEST EDITION ADOPTED BY INDIANA, THE INDIANA ELECTRICAL AMENDMENTS, LOCAL/MUNICIPAL CODES, AND THE AUTHORITY H JURISDICTION.
	B. COLO CIRCU	R-CODING FOR PHASE- AND VOLTAGE-LEV	EL IDENTIFIC	ATION. COLORS FOR 208Y/120V	C	CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRA
- , -	a. PH b. PH	HASE A: BLACK HASE B: RED HASE C: BLUE			0.	LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LE GREATER THAN 36" IN LENGTH.
-		EUTRAL: WHITE ROUND: GREEN OR GREEN WITH YELLOW S	STRIPE		D.	SEE MECHANICAL AND PLUMBING SCHEDULES FOR MECHANICAL RATINGS AND SIZES.
	ON RE	IDE CLEAR SELF-ADHESIVE WEATHER RES ECEPTACLE FACEPLATES, TO INDICATE PAR	NELBOARD A	ND CIRCUIT NUMBER.	E.	120V, 20A BRANCH CIRCUITS SHALL BE MINIMUM (2) #12, (1) #12G., OTHERWISE NOTED. USE THE FOLLOWING MINIMUM CABLE SIZE T VOLTAGE DROP UNLESS OTHER WISE NOTED: LESS THAN 75'-0": #
ATED EER).		L TAGS SHALL BE BRASS, 2" X 2" X 0.05", WI LOCKING CABLE TIE FASTENER.	TH STAMPED	LEGEND, PUNCHED FOR USE WITH	_	125'-0": #10 AWG; 125'-0" TO 200'-0": #8 AWG.
	WIRING D				F.	MINIMUM CONDUIT SIZE SHALL BE 3/4" UON.
/ITH		G DEVICES (I.E. RECEPTACLES) SHALL BE \$ 20A RATED. WIRING DEVICE COLOR(S) SHA				CONTROL WIRING SHALL BE A MINIMUM (2) #14, (1) #14G, UON.
DR	WITH	G DEVICE FACEPLATES SHALL BE 0.060 INC SMOOTH FINISH AND COLOR MATCHING W			H.	EACH SINGLE PHASE BRANCH CIRCUIT SHALL HAVE A DEDICATED COMBINED NEUTRALS FOR MULTIPLE BRANCH CIRCUITS SHALL N
	C. RECE	G DEVICE. PTACLE FACEPLATES SHALL BE LABELED T			I.	FIRE ALARM CABLING SHALL BE RED, PLENUM RATED, AND INSTAL CONDUIT. ALL ASSOCIATED JUNCTION/PULL BOXES SHALL BE "RE
	LABÈL PROC <u>MISC:</u> A. CONT	E. PANELBOARD DESIGNATION AND BRANC ING WITH BLACK-FILLED LETTERING. SUBN UREMENT. RACTOR SHALL PROVIDE SHOP DRAWINGS	MIT SAMPLE ⁻ SUBMITTALS	TO ENGINEER PRIOR TO S FOR ELECTRICAL MATERIALS AND	J.	COMMUNICATION/SIGNAL/CONTROL WIRING FOR HVAC PLUMBING TEMPERATURE CONTROL EQUIPMENT, AND ASSOCIATED ELECTR CONDUIT, SUPPORTS, ETC.), SHALL BE FURNISHED AND INSTALLE POWER (120V OR GREATER) TO HVAC, PLUMBING, AND/OR TEMPE EQUIPMENT AS SHOWN ON MECHANICAL/ELECTRICAL DRAWINGS OTHERWISE NOTED. FIELD COORDINATE WITH MC, PRIOR TO CON
REAS	INDICA REVIE	PMENT TO BE INSTALLED. SUBMITTALS SHA ATING PRODUCTS, MODEL NUMBERS, AND W/APPROVAL. INCLUDE SUBMITTALS WITH	ACCESSORIE OPERATION	ES. SUBMIT FOR ENGINEER AND MAINTENANCE MANUAL.		DETERMINE/VERIFY DETAILED REQUIREMENTS AND TO ENSURE V PROVIDED BY MC ARE INSTALLED IN A WORKMAN LIKE MANNER IN WITH THE ELECTRICAL SPECIFICATIONS.
	MANU ACCO	RACTOR SHALL INSTALL ELECTRICAL IN A V FACTURER RECOMMENDATIONS. PROVIDE RDANCE WITH NECA STANDARDS AND MAN RESULTS WITH OPERATION AND MAINTENA	TESTING OF	FINSTALLED ELECTRICAL IN R RECOMMENDATIONS. INCLUDE	K.	INDOOR CONTROL EQUIPMENT ENCLOSURES SHALL BE NEMA 1 R EXTERIOR ENCLOSURES SHALL BE NEMA 3R UNLESS OTHERWISE
	1L01			ι <u>.</u> .	L.	THE WORD "PROVIDE" IS TO BE DEFINED AS "FURNISH AND INSTAI
TIGHT ГН.	ELEC	TRICAL ABBREVIATIO	DNS:		М.	ADJUST WIRING DEVICE BOX MOUNTING HEIGHT(S) TO TOP OR BO BLOCK COURSING AS NEEDED SO BOXES DO NOT CROSS A MORT
CING	А	AMPERES	NECA	NATIONAL ELECTRICAL	N.	CONTRACTOR SHALL PERFORM A WALKTHROUGH OF THE EXISTI
	AF	AMPERE FUSE		CONTRACTORS ASSOCIATION		TO BIDDING. CONTRACTOR SHALL THOROUGHLY INSPECT EXISTIN WHETHER ACCESSIBLE OR CONCEALED, TO EXTENT AS NECESSA
ΈD	AFF	ABOVE FINISHED FLOOR	NEC	NATIONAL ELECTRICAL CODE		UNDERSTAND AND ACKNOWLEDGE THE EXTENT OF THE ELECTRI REQUIRED. CONTRACTOR SHALL PROVIDE ELECTRICAL AS NECES
	AFG	ABOVE FINISHED GRADE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	DN	DETAILED OR NOT OTHERWISE INDICATED, AT NO ADDITIONAL CC
	AHJ	AUTHORITY HAVING JURISDICTION	NTRL	NEUTRAL	0	BUILDING TO REMAIN IN OPERATION DURING CONSTRUCTION. NO
	AIC	AMPERES INTERRUPTING CAPACITY	NTS	NOT TO SCALE	0.	FEWER THAN SEVEN (7) WORKING DAYS IN ADVANCE OF PLANNEI
	AWG	AMERICAN WIRE GAUGE	OCP	OVERCURRENT PROTECTIVE DEVICE		EXISTING ELECTRICAL POWER AND/OR SYSTEMS. DO NOT PROCE OWNER'S WRITTEN AUTHORIZATION. FIELD COORDINATE WITH TH
	С	CONDUIT	OCPD	OVERCURRENT PROTECTIVE DEVICE		DETERMINE SEQUENCE OF CONSTRUCTION TO MINIMIZE INTERRU
	CB	CIRCUIT BREAKER	Р	POLE		OPERATION OF THE BUILDING. MAINTAIN A NEAT AND ORDERLY W REMOVE CONSTRUCTION DEBRIS DAILY AND PROVIDE DUST PRO
	CCT	COLOR CORRECTING TEMPERATURE	PH	PHASE		AREAS OUTSIDE OF CONSTRUCTION. MAINTAIN ACCESS TO CORR SPACES AS NECESSARY FOR BUILDING OCCUPANTS. USE HEPAFI
L (RGS)	DS	DISCONNECT SWITCH	PIR	PASSIVE INFRARED		WHERE VACUUMING AROUND OWNER OCCUPIED AREAS TO PRO
	(ETR)	EXISTING TO REMAIN	POE	POWER OVER ETHERNET		EQUIPMENT (I.E. ELECTRONICS).
,	(ER)		Ø	PHASE	Ρ.	BOLD/HEAVY AND SOLID LINES INDICATE NEW ELECTRICAL TO BE
	· · /		RECEPT	RECEPTACLE	Q.	SHADED LINES INDICATE EXISTING ELECTRICAL TO BE REMAIN UC
JSE	EC		RM	ROOM	P	NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH THE EXIS
NEC	FACP	FIRE ALARM CONTROL PANEL	SP	SPARE	13.	CONTROL PANEL. EXISTING FACP MFR/MODEL IS SIMPLEX (JOHNS
	G	GROUND	SPEC	SPECIFICATIONS		4010. FIELD VERIFY EXACT LOCATION OF CONTROL PANEL.
	GFI		SW	SWITCH	S.	SUBMIT FIRE ALARM SHOP DRAWINGS FOR ENGINEER REVIEW INI
Г	GFCI	GROUND FAULT CIRCUIT INTERRUPT	TBR	TO BE REMOVED		ALARM DEVICES, WIRING, INSTALLATION DETAILS, BATTERY CALC PROVIDE FACTORY CERTIFIED SERVICE TECHNICIAN FOR INSPEC
	GRND	GROUND	тсс	TEMPERATURE CONTROLS CONTRACTOR	2	SYSTEM. TECHNICIAN SHALL PROGRAM FIRE ALARM PANEL AS RE

DEVICES. TECHNICIAN SHALL DEMONSTRATE SYSTEM TO LOCAL INSPECTOR, FIRE CHIEF) AND OWNER'S CONSTRUCTION REPRE TECHNICIAN SHALL PROVIDE RECORD DRAWINGS AND SUBMITTA WIRING AND SUBMIT ALL NECESSARY DOCUMENTS TO AHJ. T. SURFACE MOUNTED DEVICE BOXES SHALL NOT BE ACCEPTABLE

- OTHERWISE NOTED AND/OR APPROVED BY ENGINEER AT SPECIF U. CONCEAL ALL ELECTRICAL WORK (I.E. CONDUITS, J-HOOKS, ETC.
- OTHERWISE NOTED AND/OR APPROVED BY ENGINEER AT SPECI
- V. REFER TO DRAWING AD2.1, DETAIL #3 FOR ELECTRICAL DEMOLI RELOCATION WORK ON THE EXTERIOR OF THE EXISTING JUVENI BUILDING.

Branch Panel: LP-B

TYP

UL

V

VFD

WP

UON

TYPICAL

VOLTS

WIRE

WEATHERPROOF

UNDERWRITER LABORATORY

UNLESS OTHERWISE NOTED

VARIABLE FREQUENCY DRIVE

INTERNATIONAL BUILDING CODE

MECHANICAL CONTRACTOR

MINIMUM CIRCUIT AMPACITY

MAXIMUM OVERCURRENT PROTECTION

KILOWATTS

LIGHTING

MAIN LUG ONLY

IBC

KW

LTG

MC

MCA

MLO

MOCP

	Location: (E) Mechanical Supply From: (E) Distribution Mounting: Surface Enclosure: 1		P-1'			Volts: Phases: Wires:		8 Wye				A.I.C. Rating: Existing Mains Type: Main Lug Only Mains Rating: 225 A
Notes: EXISTI	NG SURFACE MOUNTED GE "A SERIES" PANEL	.BOARD T	O REMA	NN.								
скт	Circuit Description	Trip	Poles	A (VA)	В (VA)	C (VA)	Poles	Trip	Circuit Description
1	Existing Circuit to Remain	20 A	1	0	0	-				2	20 A	Existing Circuit to Remain
3	Existing Circuit to Remain	20 A	1			0	0					-
5	Existing Circuit to Remain	20 A	1					0	0	1	20 A	Existing Circuit to Remain
7	Existing Circuit to Remain	20 A	1	0	0							
9	Existing Circuit to Remain	20 A	1			0	0	-		3	20 A	Existing Circuit to Remain
11	Existing Circuit to Remain	20 A	1	-	-			0	0			
13	Existing Circuit to Remain	20 A	2	0	0	0	0				00.4	Evisting Observit to Description
15		20.4	4			0	0	0	0	3	20 A	Existing Circuit to Remain
17	Existing Circuit to Remain	20 A	1	0	0			0	0	-		
19	Existing Circuit to Remain	20 A	2	0	0	0	0				20.4	Eviating Circuit to Domain
21 23	Existing Circuit to Remain	20 A	1			0	0	0	0	3	20 A	Existing Circuit to Remain
25	Existing Circuit to Remain	20 A	1	0	0			0	0	1	20 A	Existing Circuit to Remain
25	Existing Circuit to Remain	20 A	1	0	0	0	149			1	20 A	*,Lighting - Sallyport #100
29	Space		1			0	143		360	1	20 A	*,Recept - Sallyport #100
31			1	2500	1656				500	1	20 A	*,Overhead Sectional Door - Sallyport #10
33	*,Electric Unit Heater 'EUH-2' - Sallyport #100	30 A	3	2000	1000	2500	1656			1	20 A	*,Overhead Sectional Door - Sallyport #10
35						2000	1000	2500	696	1	20 A	*,Rooftop Exhaust Fan 'EF-1' - Sallyport #
37				2500	30			2000	000	1	20 A	*,Door #100C Hardware Power Supply
39	*,Electric Unit Heater 'EUH-1' - Sallyport #100	30 A	3	2000		2500	360			1	20 A	*, Quad Receptacle - Storage #102
41		0071	Ŭ			2000		2500		1		Space
		Tot	al Load:	668	6 VA	701	9 VA		6 VA			
			al Amps:		7 A) A) A			
Legend	d:											
Load C	Classification	Con	nected l			nand Fa		Estin	nated D			Panel Totals
Lighting	9		149 VA			125.00%			186 VA			
		1	4000 \ / 4		1	440 000		1	4400.14	^	1	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Paner	Totals
Lighting	149 VA	125.00%	186 VA		
Motor	4008 VA	110.33%	4422 VA	Total Conn. Load:	19760 VA
Receptacle	720 VA	100.00%	720 VA	Total Est. Demand:	20174 VA
Heating	15000 VA	100.00%	15000 VA	Total Conn. Current:	55 A
MISC EQUIP	30 VA	100.00%	30 VA	Total Est. Demand Current:	56 A
Notes:	·				

* = PROVIDE 20A/1P BREAKER IN EXISTING PANELBOARD SPACE. NEW BREAKER SHALL MATCH PANELBOARD MANUFACTURER AND AIC RATING. FIELD VERIFY EXISTING ** = PROVIDE 30A/3P BREAKER IN EXISTING PANELBOARD SPACE. NEW BREAKER SHALL MATCH PANELBOARD MANUFACTURER AND AIC RATING. FIELD VERIFY EXISTIN

LIGHTING FIXTURE SCHEDULE NOTES:

A. FOR TYPE A1 FIXTURES: ADJUST INTEGRAL PIR OCCUPANCY SENSOR SETTINGS AS REQUIRED. ENGAGE LIGHTING VENDOR AS NECESSARY TO PERFORM SETTINGS: RECORD SETTINGS AND INCLUDE WITH WRITTEN TEST AND INSPECTION REPORT. INCLUDE REPORT WITH O&M MANUAL.

B. FOR TYPE X1 AND X2 FIXTURES: ADJUST AIMING OF HEADS SO A MINIMUM OF ONE (FOOTCANDLES ALONG PATH(S) OF EGRESS. MEASURE ILLUMINATION ALONG PATH OF EGRESS AND INCLUDE WITH O&M MANUAL.

(1) H(S)			DRAWING NUMBER					MECHANICAL
#100 #100 rt #100 G AIC RAT NG AIC RAT NG AIC RAT	26 28 30 32 34 36 38 40 42 42		TERRE HAUTE		VIGO COUNTY JUVENILE CENTER SALLYPORT		ELECTRICAL GENERAL NOTES, SYMBOLS, ABBREVIATIONS,	
	CKT 2 4 6 8 10 12 14 16 18 20 22 24 24 26			DESIGNED: RDW APPRV'D: TKF	∣⊉∣	PROJECT NUMBER	ò, 2463-4014-90	
CULATION CTING AN REQUIRED AHJ (I.E. SENTATIV	D TESTING FOR NEV ELECTRIC (E. INSTALLEI TION(S). S TION(S).	€ / AL	SION DATE					
RTAR JOIN ING FACI ING CONI SARY TO RICAL WO ESSARY, N OST TO C OTIFY OW ED OUTAG EED WITH THE OWNI RUPTIONS WORKSP, OTECTION RIDORS / FILTER VA DTECT OV E INSTALL	LITY PRIO DITIONS, RK WHETHER WNER. WNER NO GES TO HOUT THE ER TO TO THE ACE. N FOR AND/OR ACUUM VNER'S LED UON.	२						
ALLED IN ED". IG, AND/O RICAL ITE ED BY MO PERATURE S UNLESS ONSTRUC WORK/M, IN CONFO RATED U SE NOTED	CCEPTAB RED MS (I.E. C. PROVIDI E CONTRO S TION, TO ATERIALS DRMANCE .O.N.	Ē	WITTHY K. FOUTIN	A NO THE OF	E19700119	STATE OF HE	SIONAL ENG	Dimothy K. Fought
	NOR	Ξ					ARCHITECTURE • ENGINEERING • PLANNING SURVEYING • CONSTRUCTION SERVICES	DLZ Indiana, LLC
OR TO ECTRICAL L CODE HAVING	TED . CODE						ERING • PLANNING CTION SERVICES	LLC

Operating one control operating of the control operating of the control operating o	 Bester De Strate I. Les Colt I ANEL DE ANDRUES AUX I LANS PÉRIONES INFECCESSANY PCN CHERART NO. 1998. Contractor Stall. De TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER COST DE CONTRACTOR WITH I PERMISSION STRATES AUX I DE ANDRUES AUX I DE ANDRUES AUX I DE ANDRUES IN CONTRACTOR NO. 1998. Contractor Stall. DE TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER COST DE CONTRACTOR NO. 1998. Contractor Stall. DE TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER COST DE CONTRACTOR NO. 1998. Contractor Stall. DE TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER COST DE CONTRACTOR NO. 1998. Contractor Stall. DE TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER COST DE CONTRACTOR NO. 1998. Contractor DE TANA DE DAN FOR ALL PERMITS. TAXES, PLEE DAN D'HER D'HE	<u>S</u>	PECIFICATIONS (HVAC PLUMBING AND FIRE PROTECTION):	PLUN
 CONTRACTOR SINUL OFFANIE AND PAYTOR ALL PERMITS, TAKES, FEE AND OTHER COST IN CONNECTION WITH TAK WORK. CONTRACTOR SCHOLLING THE MANY DAY FOR ALL PERMITS, TAKES, FEE AND OTHER COST IN CONNECTION WITH CONTRACTOR SCHOLLING THE MANY DAY FOR ALL PERMITS, TAKES, FEE AND OTHER COST IN CONNECTION WITH CONTRACTOR SCHOLLING COST IN COST IN COST IN COST IN CONNECTION WITH CONTRACT ARE OF ADDRESS OF			OPERATING CONDITIONS. ALL MISCELLANEOUS AUXILLARY EQUIPMENT NECESSARY FOR OPERATION OF THE	1. INSTAI INTEN
 Control of Perumeters activity of the Control of the	 Contractions of equirations is shown on incompose the incompose and incompose the incomposed inco			2. INSTAI ARCHI
 THE CONTRACT ON ADDRESS MANUESS TAKEN THE MATTER TO THE FORMER'S AND SECURICATIONS, THE MARKS OF ADDRESS AND SECURICATIONS AND SECURICATIONS AND SECURICATIONS AND MARKS OF ADDRESS AND SECURICATIONS AND SECURICATIONS AND MARKS OF ADDRESS AND SECURICATIONS AND MARKS OF ADDRESS AND A	 PERCENT FARLA COCEPTANCE INCASE OF ANNIEL DECEMPANY EVENES IN MARINES OR RETWINEN DRAWINGS AND SPECIFICATIONS THE ADALY SELECTION COMENDA ALL INTERPRETATIONS OF THE DRAWINGS AND SPECIFICATIONS THE ADALY SELECTION OF ADALE AND SPECIFICATIONS THE DRAWINGS AND SPECIFICATIONS THE ADALY SELECTION OF ADALE ADALE THE ADALESE TO THE EXAMINES OF ADALESE ADALESES ADALESES ADALY SELECTION OF ADALE ADALESES ADALESES ADALESES ADALESES ADALESES ADALESES ADALESES ADALESES ADALY SELECTION OF ADALESES ADALESES		DETERMINED ON SITE. CONTRACTOR SHALL PROVIDE A FINISHED WORKMANLIKE JOB. CONTRACTOR SHALL	4. IF NON
Contractor shall be constructed in the present of the powers and present the powers and present of the powers and pre	 contractors sinul: UMARNES OF PROFESSION OF THE Contract To THE INSPIRE TO THE INSP		THE DATE OF FINAL ACCEPTANCE.	MODIF 5. PROVI
 AMAR MARK AND RECARDING ANY CENTRE OF CONTRACT DOLMARTS BINALL BE UNKNOWNED THE EXCLUDE THE ANALYSIS AND ANY CENTRE OF CONTRACT AND ANY CENTRE	An Area De Readons av Part de contract nociments situit ne names given hie dwise. An chemietronente no malora Ar Adobba Service Contract nocimetro avando of hie Contract. Service Contract na bioline Service Area (Service) avando de la contract no service avando de la contract no service avando de la contract na service avando		CONTRACTOR SHALL IMMEDIATELY REFER THE MATTER TO THE ENGINEER FOR HIS INTERPRETATION BY MEANS OF A DULY ISSUED ADDENDA. ALL INTERPRETATIONS OF THE DRAWINGS AND SPECIFICATIONS SHALL REST SOLELY	AND D 6. CONTE
			ANY KIND REGARDING ANY PART OF CONTRACT DOCUMENTS SHALL BE BINDING UPON THE OWNER, ARCHITECT/ENGINEER OR BIDDER. ANY ADDENDA ISSUED DURING THE TIME OF BIDDING SHALL BE INCLUDED IN THE	REQUI SYSTE
BEFORE COMMENDIAL OWN'NO NUMBER SHOP DRAWINGS AND BUSITTED SHALL BEAR STAN OF APPROVAL OF CONTRACTOR SOURCES THAT DRAWINGS AND BEEN FERCED DRAWINGS AND DRAWINGS SOURCESS AND EDGE THAT DRAWINGS AND BEEN FERCED DRAWINGS AND DRAWINGS SOURCESS AND EDGE AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBBISION. FD MAXINGS WILL DO TE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBBISION. FD MAXINGS WILL DO TE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBBISION. FD MAXINGS WILL DO TE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBBISION. FD MAXINGS WILL BO THE CONSIDER THAT IN A DUBINE CONTRACTOR FOR RESUBBISION. MAY DE TACE FOR PORTS RADIATED AND WILL BE RETURNED TO THE CONTRACTOR FOR DESIGN MAY DE TACE FOR PORTS RADIATED AND WILL BE RETURNED AND REAL TO WILL AND STATE FOR THE DIST SHALL BE CONTRACTOR AND WILL BE RETURNED AND REAL TO CONTRACT THE DIST SHALL BE CONTRACTOR AND WILL BE RETURNED AND REAL TO WORK WAS TRAD. THE TACE WICK AND FAAL PROVER ADDRAW MINING AND REAL THE CONTRACT AND AND WINN THE ADDRAW WICK PROVEMENT OF AND REAL REAL WITHOUT DURING THE RECEIPT OF THE CD. FDF AND PRINTS. 10. ALL RE TACE AND WICK AND FAAL PROVINCESS AND DUBLING AND FRANCING AND ALL DAS SHOWN ANTER TACE AND MAXING AND THE DOWN ANTER SHALL BE CONTRACTOR AND AND REAL THE CONTRACT. FINISHED SUFFACES OF EOUPMENT SHALL BE CONTRACTOR SHALL BE DONE HIS DUNGLON OF SPECIFICATIONS SHALL INCLUDER AND FAAL PLACEMENT SHALL BE CONTRACTOR SHALL BE CONTRACT FOR PROVIDED UNDER THE CONTRACT ARE IN SHALL BE CONTRACTOR SHALL BE CONTRACTOR SHALL AND CONTRACT. FINISHED SUFFACES OF EOUPMENT SHALL BE CONTRACTOR SHALL BE CONSTRUCTED OF FREW PRINE SHALL BE CONTRACT AND AND FRE FOR THE RESULT OF THE CONTRACT CONTRACT. FINISHED SUFFACES AND CONTRACT AND AND FRE FOR THE DRAWNING OF ALL EDUFFACE TO THE RESULT OF THE DRAWNED AND AND FRE THAT ALL WORK WAS AND RED THE SHALL BE CONTRACT AND AND FRE FOR THE DRAWNED SHALL BE INSTALLED TO CONTRACT AND THE DRAWNED OF THE CONTRACT AND AND FRE FOR	BEFORE COMMENCINE WORK ON THE JOB, SHOP DRAWINGS SUBMITED SHALL BEAR STAME OF APPROVAL OF OWITH, MOT BE CONSIDER THE DRAWINGS IN WE DRAWINGS AND CARE WHI AND COMPACT YOUTH THE RECURRENTS WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR REPRESENTATIONS OF MULTIANE SAFEGRIC WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR REPRESENTATIONS OF WILL AND STAFEGRIC WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR REPRESENTATIONS OF WILL AND STAFEGRIC WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR REPRESENTATION ADDITIONAL COST TO THE CONTRACTOR SHOP REPORTED WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACT THE CONTRACT ON SHOP WORK WILL NOT BE CONTRACTOR SHOP REPORTED AND WILL AND STAFE ADDITIONAL COST TO THE CONTRACT ON SHOP WORK SHALL BE DELIVERED TO THE DESIGN EXCIDENCE CENTRED THAT ALL WORK WAS INSTALLED AS SHOWN AFTER APPROXIMA BY THE CONTRACT TO BE CONTRACT THE CONTRACT THE CONTRACT AND FAR THE ADDITION OF WORK SHALL BE DELIVERED TO THE DESIGN EXCIDENCE AND FAR THE ADDITION OF WORK TO ADDITION OF SHOULD AND FRANCINGATION OF WORK TO THE WORK NOT FAR. THE CONTRACT TO BE PROFENDAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL THE WORK NOT FRANKING WORK. 19. RETURNED THE CONTRACT FRANKING ADDITION OF WORK TO ADDITION OF WORK TO ADDITION OF SHOULD AND THE DRAWING OF ALL EDUI/WHANT, DUDICED UW THIS AND PARTAT ADDITION OF WORK THE LOCUP PURNESHING OF ALL EDUI/WHANT, LOCAT THATOR BAND ADDITION OF SHEED FOR THE CONTRACT FRANKING ADD THE DRAWING SHALL BE CONTRACT TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN STATACTORY WORK AND APPRESENT TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SITUATION OF SHALL BE CONTRACT TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT AND THE DRAWING WORK AND APPRESENT TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT AND THE DRAWING WORK AND APPRESENTATION DETERMINE THAT ALL WORK WANT STHEL EDUID TO THE THE TO			7. ALL PL EDITIC AND T
WILL INT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBBISION. IP GRAVINGS SUBATTED SOLUTI ANALITONS IN HIS LETTING & TRANSMITTING INCOMER THE CONTRACTOR SOLUTION WILL ARE SPECIFIC MENTING SOLUTI ANALITONS IN HIS LETTING & TRANSMITTING INCOMER THE CONTRACTOR SOLUTION.	Will, NOT BÉ CONSIDERED AND WILL DE RETURNED TO THE CONTRACTOR FOR RESUMMISSION IN DE DATA ADD SUBMITTES SURVINANT DESTINATION CONTRACTOR FOR RESUMMISSION IN DE DATA ADD AND DE TARE TOR PROFILE ALL DESTINATION CONTRACTOR FOR RESUMMISSION IN DELLE ACTION ADD AND DE TARE TOR PROFILE ALL DESTINATION CONTRACT THE CONTRACTOR FOR MULTIMES PROFILE ADD CONTRACTOR SHALL MEEOR ALL INSTALLED WORK INCLUDING CHANCES AND DEVATIONS FROM DESION ADD VOID WILL DE DESIGN ENDINGER CERTIFIED TO THE CONTRACT PROFILE ADD ADD VOID WILL DE DESIGN ENDINGER CERTIFIED TO THE CONTRACT PROFILE ADD ADD VOID WILL DE DORUMERT AND AND TWO DESIGN ENDINEER CERTIFIED TO THE CONTRACT THIS INCLUDE ADD READ FRANTS Include TO ADD ADD ADD ADD TWO DESIGN ENDINEER CERTIFIED TO THE CONTRACT THIS INCLUDE ADD READ FRANTS CONTRACTOR SHALL MARK TESTS TO DECENTRACT FINISHED SURFACES OF EQUIPMENT SHALL DE Include TO ADD ADD TWO DESTATED IN WORK CONTRACT ON THE DESIGN ENDILE BOTTORIES DATE TO ADD TWO THE CONTRACT ARE IN SATISFACTORY CONTINUES THE SURFACES AND TWO DESTATED CONTRACT FINISHED SURFACES OF EQUIPMENT SHALL DE IN WORK CONTRACT SHALL DECONSTRUCTED ON THE READ SURFACES OF EQUIPMENT SHALL DE LONGRY CONTRACT TO RESULT BOTTORY CONTRACT FINISHED SURFACES OF EQUIPMENT SHALL DE LONGRY CONTRACT ON SHALL DE CONSTRUCTED ON THE CONTRACT ARE INSTALL DE LONGRY CONTRACTOR SHALL MARKET ESTS TO DECENTRATION SHALL DE CONTRACT FINISHING OF		BEFORE COMMENCING WORK ON THE JOB. SHOP DRAWINGS SUBMITTED SHALL BEAR STAMP OF APPROVAL OF CONTRACTOR AS EVIDENCE THAT DRAWINGS HAVE BEEN CHECKED BY HIM AND COMPLY WITH THE REQUIREMENTS	8. INSTAI EQUIP
DRAWINGS, RECORDINGS SHALL BE ADDE ON BLUE LINE PINTS KEPT IN GOOD COMPLETION OF WORK. THE JOB STIE AS WORK PROCEEDSES AND BEFORE ANY WORK SCIENCE PINTS AND MORE THE JOB STIENDS SHALL PERINTS SHALL BE CENTRED DIFFECTION AND ADDE STATUS THE THE PINTS AND ADDITION ADDITION ADDITION ADDITION PROVEMENT ADDITIONAL ADDITION ADDITIONAL ADDITION ADDITION ADDITION ADDITIONAL ADDITIONAL ADDITIO	DRAWINGS, RECORDINGS SHALL BE MADE ON BLUE LINE PRINTS KEPT IN GOOD CONDUTION AT THE JOB SITE AS WORK PROCENSES AND REFORE ANY WORK SHOULD ENVIRONMETRO OF WARK THE JOB SITE AS SHALL BE DELIVERED TO THE DESIGN ENDINEER CENTRED THAT ALL WORK WAS INSTALLED AS SHOWN AFTER WORK AND FINAL PAMENT SHALL BE WITHHELD UNTL THE RECEPT OF THE CONDERER. FINAL PREVAUL OF THE WORK AND FINAL PAMENT SHALL BE WITHHELD UNTL THE RECEPT OF THE CONDERER. FINAL PREVAUL OF THE WORK AND FINAL PAMENT SHALL BE WITHHELD UNTL THE RECEPT OF THE CONDERER. FINAL PREVAUL OF THE WORK AND FINAL PAMENT SHALL BE WITHHELD UNTL THE RECEPT OF THE CONDERER. FINAL PREVAUL OF THE WORK AND FINAL PAMENT SHALL BE CONSTRUCTED CONTRACT. FINISHED SURPACES OF EQUIPMENT SHALL BE UNTRACTOR SHALL MUCKET BE DORODAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR RENOVE EXISTING WORK. 19. 0. CONTRACTOR SHALL MACE THE OF REMINE THAT ALL SYSTEMS PROVDED UNDER THIS CONTRACT ARE IN SATISFACTORY CONDITION TO BE FIATED. 19. 10. THE WORK CONFRED UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING AD FIRE PROTECTION WORK AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GURANTEED (PROTECTION WORK AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GURANTEED (PROTECTION WORK AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GURANTEED DUCTIVORS HALL LE DOSTRUCTED OF INSTITUT PRESSURE RATION USED TO 22 WC. INDIVISIONS ON PRESSURE DUCTIVORS HALL LE DOSTRUCTED OF INSTITUT PRESSURE RATION USED TO 22 WC. INDIVISIONS AND FIRE PROTECTION WORK AS HEREIN SPECIFIED AND INCLOTED ON THE DRAWINGS AND FIRE PROTECTION WORK AS HEREIN SECRED OF INSTITUT PRESSURE RATIONAL DRAWINGS OF ALL EDUCTIVE THE REPORT CONDER SHALL BE INSTALLED. INSUGATOR WAS INSTALL DRAWING AND FIRE PROTECTION WORK AS HEREIN ALL LABOR AND MATERIAL NECESSARY TO COMPLETE AND INCLUDER		WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBMISSION. IF DRAWINGS SUBMITTED SHOW VARIATIONS FROM REQUIREMENTS OF CONTRACT, THE CONTRACTOR WILL MAKE SPECIFIC MENTION OF SUCH VARIATIONS IN HIS LETTER OF TRANSMITTAL IN ORDER THAT IF ACCEPTABLE SUITABLE ACTION MAY BE TAKE FOR PROPER ADJUSTMENT AT NO ADDITIONAL COST TO THE OWNER.	9. CONTE ADJUS INDICA FOR E WALL
APPROVAL BY THE ENDINEER. THE CONTRACTOR SHALL TRANSFER ALL DATA FROM PRINTS OA UTCOADREVIL, OF 11. PROVIDE PROVEMENT SHALL BE CONSTRUCTED THE CO. PDF AND PROVEMAL OF DEWNING AND FINAL PAYMENT SHALL BE WEITHHELD WITH THE RECEIPT OF THE CO. PDF AND PROVEMAL OF 12. PROV CONTRACTOR SHALL INCLUDE RUNNEET HE GENERAL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL 12. PROV NEW OWNER NOS SHALL BALLOW EUNDER THE GENERAL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL 13. CONT SUBMER SHALL BECLUDE RUNNEET THE FOR PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY COMMINION TO BE TRAFTICAL 13. CONT 10. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY COMMINION TO BE STARTED. 13. CONT 11. THE WORK COVERED UNDER THES UNDER CHARGE CALVANIZED STEEL COVER HERESULE 14. DECOMPLETE AND MODIO CONE (1) YEAR. 16. CONTRACTOR SHALL DECOMPLETE DO RESSURE RATIO DO TO YEC (1) HORE PRESSURE ENTOR ON THE CONTRACT ARE IN SATISFACTORING DE GNS TATIC PRESSURE ENTOR ON YEAR. 17. THE WORK COVERED THES SUME ENTOR ON YEAR. 17. THE WORK COVERED THE SATISFACTORY ON THE CONTRACT ARE IN SATISFACTORY CONTROL TO THE RESULT DO TO YEAR. 18. CONTRACTOR SHALL EVENCE DO RESSURE RATIO DO TO YEE (1) THE RESSURE ENTOR ON YEAR. 18. CONTRACTORY SHALL FUNDAL THE SATISFACTORY ON THE SATISFACTORY SATISFACTORY ON THE SATISFACTORY ON THE SATIS	APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL TRANSFER ALL DATA FROM PRINTS TO AUTOCADREWT 11. PRINC DRAWINGS, ACO, POR AND TWO SUBSTO OF FRUNTS SHALL BE DELIVERED TO THE ENGINEER FINAL APPROVAL OF 11. PRINC OCTITATO COR, PAUL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL 12. PRINC OCTITATO TOR SHALL INCLUDE INDEP REPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL 12. PRINC PAINTING WORK IS CONTRACTOR SHALL INCLUDE INDEP REPOSAL CONTRACT FINISHED SURFACES OF EQUIPMENT SHALL BE 11. THE WORK COVERED UNDER THE DESTIGN OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, ALL PORT CONTRACT ARE IN 11. DIE WORK COVERED UNDER THE DISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, ILADOR, MATERIAS AND TOOLS FOR STATEGES APP CONTRACT ON THE CANNINGS, ALL WORK SHALL BE CUARANTEED ON THE CONTRACTOR SHALL BE CONTRUCTED OF NEW FRIME GRADE QALVANZED STEEL, LOW PRESSURE DIFFER CONTROL TOWORK, SHALL BE CUARANTEED DUCTWORK SHALL BE CONSTRUCTED OF NEW FRIME GRADE QALVANZED STEEL, LOW PRESSURE DITWORK SHALL BE CUED TOWORK SHALL BE CONTRUCTED OF NEW FRIME GRADE CALVANZED STEEL, LOW PRESSURE DUCTWORK SHALL BE CONTRUCTED OF NEW FRIME GRADE CALVANZED STEEL, LOW PRESSURE DUTWORK SHALL BE UNDER THE RESULFE AND BUDY TO YEAR. 12. RIDGID DUCTWORK SHALL DE CONSTRUCTED OF NEW FRIME GRADE CALVANZED STEEL, LOW PRESSURE DUTWORK SHALL BE CONTRUCTION ACCOMPACE WITH FRESSURE DUTWORK SHALL BE CONTRUCTION ACCOMPACE WITH TRESSURE DUTWORK SHALL BE CUTTOR TO THE CANNON THE DAWNORK WALLS RESPECTIVELY WHETHER INDCATED ON THE DAWNOR WITH AND ADD FRE CONTRUCTION ON THE DAWNOR CONTROL THE RESULPCE DAS PER SHALLON ON THE DAWNOR THE COMPEND TO THE SHALLON DUE DA PROVE CONTRUCTION THE S		DRAWINGS. RECORDINGS SHALL BE MADE ON BLUE LINE PRINTS KEPT IN GOOD CONDITION AT THE JOB SITE AS WORK PROGRESSES AND BEFORE ANY WORK IS COVERED. UPON COMPLETION OF WORK, THE JOB SITE PRINTS	10. ALL RE ACCES BUILDI
 CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL PROVE EXISTING WORK. CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL PRINSH PAINTING SHALL BE CONE UNDER THE GENERAL CONTRACT. FINISHED SURFACES OF EQUIPMENT SHALL BE CONTRACTOR SHALL MACE TOSTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN CONTRACTOR SHALL MACE TISTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN THE WORK COVERED UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIAS AND TOOK INCLUSION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIAS AND TOOK INCLUSION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIAS AND TOOK INCLUSION OF SPECIFICATIONS SHALL DE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIAS AND TOOK INCLUSION OF SPECIFICATIONS SHALL DE CONTRACTOR SHALL EXCLUSION OF ORE (1) FUENCE	 CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK. PINSH PAINT NS SHALL INCLUDE IN DEPRESSION OF SECTIONS THE FACTORY. CONTRACTOR SHALL LAW ETHIS DIVISION OF SPECIFICATIONS SHALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY CONDITION TO BE STARTED. THE WORK COVERED UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LAWOR, MATERIAS AND TOOLS INCESSARY TO A COMPLETE SYSTEM FOR HYAC, PLUBBING AND FREE PROTECTION WORK, AS HEREIN SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LAWOR, MATERIAS AND TOOLS OF OR STLT PRESSURE CATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LAWOR, MATERIAS AND TOOLS OF OR STLT PRESSURE CATION SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LAWOR, AND HAD THE DAWNOO FOR THE DAWNESS AND ON THE DRAWINGS. ALL WORK SHALL BE GUARANTEED DUCTWORK SHALL BE CONSTRUCTED OF NEW RINKE GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK ASHALL BE CONSTRUCTED OF NEW RINKE GRADE GALVANIZED STEEL LOW PRESSURE STANDARDS. PROVIDEF IRR ANDOR SMOKE DAWPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PROTECTION WORK. AS SHOWN ON THE DRAWINGS OF REINS PRECIPED. THIS SHALL BELDTONG SHALL BE ULL PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF NEW RINKE SALL BE STREED TO THE PARAMETER AS PER SMACIAL STANDARDS. PROVIDEF IRR ANDOR SMOKE CAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED AND THE PROTECTION WORK. AS SHOWN ON THE DRAWINGS OF REINS PRECIPED. THIS SHALL RECLATED AS PRE SMALLS & 1. THE WORK CAS SHALL BE INSTITUTED WATERIAL INCLUDE A PRERECTIVE YOUNG RAS SHALL BE CONSTRUCTED BE THE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED A PRECEDED TO SHALL BE CONTRUCTED AND RELAXED SHALL BE TYPE ''COPPER TUBING WITH WROUGHT COPPER SOLDER FIRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OF REINS PRECEDED TO THE TRAWING OF AND FREE PROTECTION WORK AS SHOWN ON THE DRAWING ON THE PRAVINCE MARKETING YOUNG R		APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL TRANSFER ALL DATA FROM PRINTS TO AUTOCAD/REVIT DRAWINGS. A CD, PDF AND TWO (2) SETS OF PRINTS SHALL BE DELIVERED TO THE ENGINEER. FINAL APPROVAL OF	11. PROVI INDICA
Finish Painting Shall be pone under the General contract. Finished surfaces of Edupment shall be EGEN TOUCHED UWITH SAME Paint SA SPELIGA THE RECTORY. CONTRACTOR Shall make TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN CELL SATISFACTORY CONTROL TO BE STATED. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN CELL SATISFACTORY CONTROL TO BE STATED. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY CONTROL TO BE STATED. CONTRACTOR SHALL BE CONTRUCTED OF DRE OFFICE THE DRIVEN THE BORNINGS OF ALL EQUIPMENT. LABOR, MATERIALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HVAC, PLUMBING AND FRE PROTECTION WORK AS HALE BE CONTRUCTED OF NEW PRIME GRADE GALVANVED STEEL LOW PRESSURE DUCTWORK SHALL BE CONTRUCTED OF NEW PRIME GRADE GALVANVED STEEL LOW PRESSURE SUCTIONS STATADARDS. PROVIDE TIRE AND DIG STATIC PRESSURE PAINING UP TO 2' WC. HIGH PRESSURE DUCTWORK SHALL ECONTRACTOR SHALL END CONTRUCTED OF NEW PRIME GRADE GALVANVED STEEL LOW PRESSURE DUCTWORK SHALL BE CONTRUCTED ON THE DRAWINGS OF NEW PRIME GRADE GALVANVED STAEL BE UNDERLED AND THE DRAWINGS STATIC PRESSURE DUCT WORK SHALL BE CONTRUCTURE CALL DUCTWORK SHALL BE CONTRUCTURE SATISFATION PRESSURE DUCTWORK SHALL BE CONTRUCTURE CALL DUCTWORK SHALL BE CONTRUCTURE CONTRACTOR SHALL BE INSTALLED IN ACCORDANCE WITH HER 40 AUXAVARED SHALL BE ULLABELED, THE TESTS ON DENSION ON THE DRAWINGS OF HERM SPECIFIC. THIS SHALL NOCIDE A REFRECTLY FUNCTIONING SYSTEM OF PLANDARD DRAVAGE STREM SPECIFIC THE SHALL NOCIDE A REFRECTLY FUNCTIONING SYSTEM OF PLANDARD DRAVAGE AND PROFINE THIS SHALL NOCIDE A REFRECTLY SATISFAT SHALL BE ONDERLED STREM SPECIFIES. THIS SHALL NOCIDE A REFRECTLY FUNCTIONING SYSTEMS SHALL BE ONDELLASE ON THE STATE OF THE STREM SPECIFIES. OOMESTIC WATER PRIPING AND RECONDER CONTRER FLANDERE LICENSED IN THE STATE OF THE INDIANA. FUN			CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL	12. PROVI OF DE PADS
10. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN CELIVIERATE 11. THE WORK GOVERED UNDER THIS DIMISION OF SPECIFICATIONS SHALL INCLUDE FURNESHING OF ALL EQUIPMENT, PROVIDED UNDER THIS DIMISION OF SPECIFICATIONS SHALL INCLUDE FURNESHING OF ALL EQUIPMENT, PROVIDED UNDER THIS DIMISION OF SPECIFICATIONS SHALL INCLUDE FURNESHING OF ALL EQUIPMENT, PROVIDED UNDER THE DIMISION OF SPECIFICATIONS SHALL INCLUDE FURNESHING OF ALL EVENTS FOR A DEFINION OF AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GUARANTEED (PROTECTION WORK, SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE UNDER THE DUCT STED ON THE DRAWINGS ON TO. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH REFAINS OLD FASTER PROVIDER SINCE DUCTWORK SHALL BE CONSTRUCTED ON THE DUCT STED AND DUCT STATCH PRESSURE EACTIVELY WHETHER INDICATED ON THE PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NEPA 90. LATEST APPLICABLE EDITON. DATE: TABLE TABLE AND DRAWERS SHALL BE INSTALLED IN ACCORDANCE WITH NEPA 90. LATEST APPLICABLE EDITON. THE DRAWINGS ON TOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NEPA 90. LATEST APPLICABLE EDITON. DATE: TABLE TABLE TO COMPLETE ALL PLUMBING AND FRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OR HERN SPECIFIED. THIS SHALL BLU LABELON. 3. ALL 10. CONTRACTOR SHALL DE COMPLETE ALL BE TYPE 1' COPPER TUBING WITH WROUGHT COPPER SOLDER RETRONT SYSTEM SHALL BE COMPLETY INSULATION MEETING 3. ALL 11. THINK ALL BECOMPLETY INSULATED AS FOLLOWS: (NOTE MAXIMUM OF TWO (2) MATERIALS 3. ALL 12. DOMESTIC WATER PIPING ABOVE GRADE EVELOP RATINGS. 3. ALL 13. DOMESTIC WATER PIPING ABOVE GRADE CECCEPT IN PLUMBING CHAS	10. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN CE 12. THE WORK CONVERTOR DO BE STARTED. CE 13. THE WORK CONVERTOR DO BE STARTED. CE 14. THE WORK CONVERTOR UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURMISHING OF ALL EDUPIMENT. CE PROVED FITTER AND LABOR) FOR A PERIOD OF ONE (1) YEAR. CE 12. RIGID DUCTWORK SHALL BE CONSTRUCTED ON NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OR NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OR STATE CPRESSURE RATING UP TO 2" WC. HIGH PRESSURE DUCTWORK SHALL BE USED FOR DUCT STATE CRESSURE EXCEEDING 2" WC. DUCTWORK SHALL BE CHARGENED AS PER SMACINA STANDARDS. CE 12. ROUD OF THE AND/OR SMOKE DAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NEPA BIAL LES FARRENTED AS PER SMACINA STANDARDAS. A.A. 14. CONTRACTOR SHALL FURINEH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMEND AND FIRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FUNCTIONING SYSTEM OF PLUMENCA AND BRAINAGE. A.A. 15. DOMESTIC WATER PIPING ABOVE GRADE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-GOS BLIVALUADY OR APPROVED EQUAL. S.A. 16. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE INSULATED MATERIAL PRECISED. S.A. 16. SANTARY AND VENT PIPING ABOVE GRADE SHALL BE INSULATED MATERIAL PREVENDING WITH WROUGHT COPPER SOLDE			BEGIN
 LABOR, MATERNALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HUAC, PLUMBING AND FREPROTECTION WORK, AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS ALL WORK SHALL BE GURANTEED (PARTS AND LABOR) FOR A PERIOD OF ONE (1) YEAR. C. RIGD DUCTNORK SHALL BE ODSTIGNED OF NONE (PARLE GALD GALVAN/ZED STEEL. LOW PRESSURE SAME AS A DATORS SHALL BE CONSTRUCTED OF NEW PINE GRADE GALVAN/ZED STEEL. LOW PRESSURE SMACHA STANDARDS. S. PROVIDE FRE AND/ORS SMAULE CONSTRUCTED OF NEW PINE GRADE GALVAN/ZED STEEL LOW PRESSURE SMACHA STANDARDS. PROVIDE FRE AND/OR SMACKE DAMPERS IN FIRE AND SMACKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PLANS OR TO LOW FREE STALL BE IN COMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL S5G AND SHALL BE UL LABELED, TESTEM AND INSPECTED. PROVIDE FRE AND/OR SMACKE WITH UL STANDARD FOR FIRE DAMPERS, UL S5G AND SHALL BE UL LABELED, TESTEM AND INSPECTED. CONTRACTOR SHALL FUNNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHALL BE UN COMPLIANCE. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH FITTINGS. SILVATIVE WAINING ON THE PRENS SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FUNCTIONING SYSTEMS OF NOL-UNG CARDE SHALL BE COMPLETELY TOPOR FITTINGS. SCHEDULE 40 PVC WITH FITTINGS. SILVATIVE WAINING ON ROUTING THEORY FIRE PREDICTION PVC WITH SULATED ARD FIRE PROTECTION DAMORE DEVILLE 400 PVC WITH FITTINGS. SILVATIVE WAINING ON THE DIVENTION THEORY PVC WITH PINING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PINING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PINING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PINING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PINING ABOVE DEVENDE PRESSURE PRESSURE SHALL BE INSULATED WATER A) DOMESTIC WATER PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PINING ABOVE DEVENDE PRESSURE	LABOR: MATERIALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HVAC, PLUMBING AND IRIE SAUMARY END FREE PROTECTION WORK, SHALL BE CONSTRUCTED OF NEW PRINE GRADE GALVANIZED STEEL IOW PRESSURE CONTRACTOR SHALL BE DESIGNED FOR STATE PRESSURE EXCEEDING 2" W.C. HIGH PRESSURE DUCTORS KHALL BE UNDER THE CARE DOIN THE DRAWINGS SHALL BE CONSTRUCTED ON THE STANDARDS. 1. The pressure exceeding 2" W.C. DUCTWORK SHALL BE FABRICATED AS PER SMACNA STANDARDS. 19. PROVIDE FIRE AND/OR SMOKE DAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PLANS OR TO AMPERS SHALL BE IN SCHELED IN ACCOMMACE WITH INPRA SAU, LATEST AND PHICABLE EDITION. DAMPERS SHALL BE IN COMPLIANCE WITH WILL STANDARD FOR FIRE DAMPERS, UL SAS AND SHALL BE LU LABELED. 14. CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL INCESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHOWNON ON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY EVENT WORK AS SHOWNON ON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FITTINGS. SOLUCE WITH WILL STANDARD FOR FIRE DAMPERS, UL SAS AND SHALL BE LOW OWNON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FITTINGS. SOLUCE WITH SULATION WORK AS SHOWNON ON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FITTINGS. SOLUCE WITH SULATED AND PROVED EQUAL. 4. ADDIA SHALL BE COMPLETELY INSULATED WITH WROUGH TOOPPER SOLDER THE THE REDUCTION SULATED AND AND PROVED EQUAL. 5. ADIA SHALL BE COMPLETELY INSULATED WITH WITH WROUGH TOOPPER SOLDER THE THE REDUCTED FOR SOLDER OR ON-THE DRAWINGS OR HERE INFORMED IN THE STATE OF TWE INSULATION MEETING THE RETARDENT INSULATION MEETING THE REPORTED FOR TINGS. 6. THE REPORTED FOR ADD READ FRONCE CONDUCTED WATHRY AND VARTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) 7. ODIA THICK MOLDED G	10.		CEILIN PATCH
 2. RIGID DUCTWORK SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE DESIGNED FOR STATIC PRESSURE ATTING UP TO 2" WC. HIGH PRESSURE DUCTWORK SHALL BE USED FOR DUCT STATIC PRESSURE EXECUTION PRESSURE ADDITIONAL BE FAREFLATED AS PER SMACHAN STANDARDS. 3. PROVIDE FIRE AND/OR SMOKE DAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS STALL BE INCOMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL 566 AND SHALL BE UL LABELED, TESTED AND INSPECTED. 4. CONTRACTOR SHALL BE UNDILANCE WITH US TANDARD FOR FIRE DAMPERS, UL 565 AND SHALL BE UL LABELED, TESTED AND INSPECTED. 4. CONTRACTOR WORK AS SHOWN ON THE DRAWINGS ON HERIN SPECIFICE. THIS SHALL INCLUDE A PERRECTLY FUNCTIONING SYSTEM OF PLUMBING AND DRAMAGE. 5. DOMESTIC WARTER PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH SOLVENT WARTER PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PLENUMS SHALL BE COMPLETELY INSULATED WITH 1/2" THICK FIRE RETARDENT INSULATION MEETING FUNCTION WARTER PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH PLENUMS SHALL BE COMPLETELY INSULATED WITH 1/2" THICK FIRE RETARDENT RETARDENT INSULATION MEETING NOT WARTER PIPING SMOKE DEVELOP ANTINGS. 10. THICK MOLDED GLASS FIBER - ALL SIZES 11. THICK MOLDED GLASS FIBER - ALL SIZES 12. THICK MOLDED GLASS FIBER - ALL SIZES 13. AT ALL DOCTWORK PRENTRATIONS PROVIDE DUCT SLEEVE CAULK ARTIGHT BETWEEN SLEEVE & DUCT, FULL PREMETER PROTECTION PIPS SHALL BE OS SCHEDULE 40 GRADE. 14. THICK MOLDED GLASS FIBER - ALL SIZES 19. AT ALL DOCTWORK PRENTRATIONS PROVIDE DUCT	12. RIGD DUCTWORK SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL LOW PRESSURE DUCTWORK SHALL BE DESIGNED FOR STATIC PRESSURE RATING UP TO 2' WC. HIGH PRESSURE DUCTWORK SHALL BE USED FOR DUCT STATIC PRESSURE EXCEEDING 2' WC. DUCTWORK SHALL BE FARINGATED AS PER SMACHA STANDARDS. 13. PRAVIDE FREAMDOR SMOKE DAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PRAVIDE FREAMDOR SMOKE DAMPERS IN FIRE AND SMOKE WITH NEPA 90A. LATEST APPLICABLE DITION. DAMPERS SHALL BE IN COMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL 595 AND SHALL BE UL LABELED. TESTED AND INSPECTED. 14. CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHALL BE AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS THAT ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS SOLDER WITH SICK SILVALOY OR APPROVED EQUAL. 15. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS SOLDER WITH SILVATEO SUTH H22 THICK FIRE RETARDENT INSULATION MEETING THE REQUIRED LOWING THE DEVELOP RATINGS. 17. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE SOLFEDULE AG GALVANIZED STEEL SOLFDULE APPC.CWITH PLENUMS SHALL BE COMPLETELY INSULATED WATER FILE AND RECINCULATED WATER 19. THICK BLASTOMERIC - UP TO AND INCLUDING 1-1/2' 10. THICK MOLDED GLASS FIBER - ALL SIZES 10. THICK MOLDED GLASS FIBER - ALL SIZES 10. THICK MOLDED GLASS FIBER - ALL SIZES 10. THICK CLASTOMERIC - UP TO AND INCLUDING 1-1/2' 11. THICK MOLDED GLASS FIBER - ALL SIZES 10. THICK CLASTOMERIC - UP TO AND INCLUDING 1-1/2' 11. THICK MOLDED GLASS FIBER - ALL SIZES 10. THICK MOLDE		LABOR, MATERIALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HVAC, PLUMBING AND FIRE PROTECTION WORK, AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GUARANTEED	
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 ALL SANTARY AND WASTE PIPING ABOVE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-FOS SILVALOY OR APPROVED EQUAL. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-FOS SILVALOY OR APPROVED EQUAL. SANTARY AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH SOLVENT WEDED JOINTS, OR NO-HUE CAST IRON PIPE. NOTE: IF USED, PVC PIPING WITH WROUGHT COPPER SOLDER THE RECOMPLETELY INSULATED WITH 12" THICK FIRE RETARDENT RETARDENT INSULATED ARR PLENUMS SHALL BE COMPLETELY INSULATED WITH 12" THICK FIRE RETARDENT RETARDENT INSULATION MEETING THE RECOMPLETELY INSULATED WITH 12" THICK FIRE RETARDENT RETARDENT INSULATION MEETING UND MEETING UND SOLVED WATER OLD SANTARY AND WASTE DEVELOP RATINGS. DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER A) DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER A) DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER B) ALL SANITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 1" THICK KLASTOMERIC - UP TO AND INCLUDING 1-1/2" III) 1" RIGID PHENOLIC - ALL SIZES ALL SIZES ALL SARITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 1" THICK KLASTOMERIC - UP TO AND INCLUDING 1-1/2" III) 1" RIGID PHENOLIC - ALL SIZES ALL SARITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) ALL SARITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) III THERCON OF WORKING PLANS, CALCULATION SAND FIELD TEST REPORTS FOR FIRE PROTECTION SYSTEMS SHALL BE OF SCHEDULE 40 GRADE. PREPARATION OF WORKING PLANS, CALCULATION SAND FIELD TEST REPORTS FOR FIRE PROTECTION SYSTEMS SHALL BE OF SCHEDULE 40 GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ULITY SHUTOFFS WITH THE OWNER. PRO	 CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OR HERN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FUNCTIONING SYSTEM OF PLUMBING AND DRAINAGE. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-FOS SILVALOY OR APPROVED EQUAL. SANITARY AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH SOLVENT WELDED JOINTS, OR NO-HUB CAST IRON PIPE. NOTE: IF USED, PVC PIPING WITHIN CIRCULATED AR PLENUMS SHALL BE COMPLETELY INSULATED WITH 12" THICK FIRE RETARDENT RETARDENT INSULATION MEETING THE REQUIRED FLAME AND SMOKE DEVELOP RATINGS. DOMESTIC WATER PIPING SYSTEMS SHALL BE INSULATED AS FOLLOWS: (NOTE MAXIMUM OF TWO (2) MATERIALS MAY BE USED. DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER I) 'T THICK MOLDED GLASS FIBER - ALL SIZES ALL SANITARY AND WASTE PIPING BOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 'T THICK MOLDED GLASS FIBER - ALL SIZES ALL SANITARY AND WASTE PIPING BOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 'T THICK MOLDED GLASS FIBER - ALL SIZES ALL SANITARY AND WASTE PIPING BOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 'T THICK MOLDED GLASS FIBER - ALL SIZES ALL SANITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES) I) 'T THICK MOLDED GLASS FIBER - ALL SIZES I) 'T THICK ELASTOMERIC - UP TO AND INCLUDING 1-1/2" III' TRIGD PHENOLIC - ALL SIZES PREPARATION OF WORKING PLANS, CALCULATIONS AND FIELD TEST REPORTS FOR FIRE PROTECTION SYSTEMS SHALL BE CARRED OUT BY A QUALIFED FIRE PROTECTION ENSINEER LICENSED IN THE STATE OF THE INDIANA. FIRE PROTECTION PROSENDER OF OR COORDINATING ALL UTLITY SHUTOFFS WITH THE OWNER. PROVIDE AT ALL DUCTWORK PRENETRATIONS PROVIDE DUCT SLEEVE. CAULK AIRTIGHT BETWEEN SLE		PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS SHALL BE IN COMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL 555 AND SHALL BE UL LABELED,	INDIC WITH OWN
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IBING GENERAL NOTES

LATION OF PLUMBING FIXTURES AND ACCESSORIES. INCLUDING FLUSH CONTROL VALVES DED FOR PEOPLE WITH DISABILITIES, SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS. LATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL. ECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.

IMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY RICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION. DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR CATIONS TO THE ORIGINAL SYSTEM(S) INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW.

E WATER HAMMER ARRESTERS AT PLUMBING FIXTURES AND GROUPS OF PLUMBING FIXTURES RE SUBJECT TO WATER HAMMER. SELECT ARRESTERS IN ACCORDANCE WITH THE PLUMBING RAINAGE INSTITUTE STANDARD.

ACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, RED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING 1 AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.

JMBING WORK SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL PLUMBING CODE, LATEST I ADOPTED BY THE STATE OF INDIANA WITH INDIANA AMENDMENTS, MUNICIPAL OR CITY CODES, E AUTHORITY HAVING JURISDICTION.

L BALL VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING IENT AND FIXTURES.

ACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR TMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED WHETHER TED ON THE DRAWINGS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED ACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE CEILING ASSEMBLY.

QUIRED SHUT-OFF VALVES SHALL BE CLEARLY MARKED LOCATED IN THE SAME PLACE AND SIBLE WITHOUT A LADDER. SHUT-OFF VALVES LOCATED ABOVE THE CEILING THROUGHOUT THE NG SHALL BE WITHIN 24" OF THE CEILING.

E SIZES TO FIXTURES AS INDICATED ON PLANS, RISERS, AND SECTIONS. IF SIZE IS NOT TED, PROVIDE SIZE SHOWN ON PLUMBING FIXTURE SCHEDULE.

E HOUSING PADS FOR EQUIPMENT, PAD SIZES SHOWN ARE APPROXIMATE AND BASED ON BASIS SIGN EQUIPMENT. PROPER EQUIPMENT OPERATION AND MAINTENANCE REQUIRES EQUIPMENT IZED TO SPECIFIC EQUIPMENT FURNISHED. SUBMIT COORDINATION DRAWINGS ILLUSTRATING SED PAD DIMENSIONS BASED ON APPROVED EQUIPMENT, DO NOT PERFORM LAYOUT WORK OR FORM WORK PRIOR TO APPROVAL OF COORDINATION DRAWINGS.

ACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS, **3S ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING , PLUMBING FIXTURES ETC.** AS NEEDED TO MATCH ADJACENT CONDITIONS.

ERAL DEMOLITION NOTES

ONTRACTOR SHALL VERIFY ALL EXISTING MECHANICAL SYSTEMS TO RMINE EXTENT OF REMOVAL WORK. ANY ITEMS NOT SPECIFICALLY ATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE R'S REPRESENTATIVE PRIOR TO INSTALLATION.

EMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH PPLICABLE SECTIONS OF THE STATE OF INDIANA, OSHA, AND NFPA.

RACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL ITS AND INSPECTIONS.

EMOLITION WORK SHALL BE COORDINATED WITH DEMOLITION WORK IN ON OTHER CONTRACT DRAWINGS.

ONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, TIONS, AND QUANTITIES PRIOR TO BEGINNING WORK. R RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL ATED TO BE DEMOLISHED.

EMS DESIGNATED TO BE REMOVED SHALL INCLUDE ALL EQUIPMENT, HANGERS, AND POWER & CONTROLS ASSOCIATED WITH ITEM TO BE VED. CAP ASSOCIATED PIPING, PATCH WALL TO MATCH EXISTING TIONS WHERE THROUGH PENETRATIONS AND/OR REMOVALS RRED. CAREFULLY AND SKILLFULLY REMOVE ALL ITEMS IN ORDER TO ENT DAMAGE. REPAIR FINISHES TO MATCH EXISTING. OWNER HAS AGE RIGHTS TO ALL REMOVALS. COORDINATE WITH THE OWNER SPECIFIC

GE ITEMS PRIOR TO REMOVAL. RACTOR REQUIRED TO COORDINATE AREAS OF DEMOLITION WORK WITH R'S REPRESENTATIVE IN ORDER TO HAVE AREAS CLEARED. RACTOR TO IDENTIFY AND BLOCK OFF THESE AREAS OF CONSTRUCTION. , REPAIR, RESTORE AND REFINISH ALL ADJACENT MATERIALS AND RUCTION INTENDED TO REMAIN TO LIKE-NEW CONDITION AS WELL AS ECTION OF DAMAGE RESULTING FROM DEMOLITION OR NEW

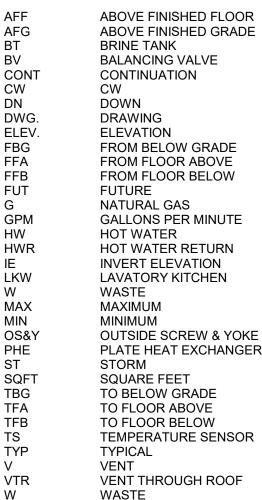
TRUCTION ACTIVITIES. PATCH AND REPAIR EXISTING SURFACES LEFT SED AFTER DEMOLITION AND PREPARE THEM FOR NEW CONSTRUCTION. VOIDS LEFT BY DEMOLITION TO MATCH SURROUNDING. DITIONAL EQUIPMENT IS DETERMINED REQUIRED TO BE DISCONNECTED

EMOVED DURING DEMOLITION FOR NEW INSTALLATION PURPOSED, WITH ENGINEER AND OWNER'S REPRESENTATIVE BEFORE NNECTION AND/OR REMOVAL. RACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING

ES IN THE CEILINGS TO BE REPLACED INCLUDING BUT NOT LIMITED TO SERS, GRILLES, SPRINKLERS ETC. REINSTALL EXISTING COMPONENTS OVIDE NEW COMPONENTS AS INDICATED ON THE PLANS UPON CEMENT OF CEILINGS OR ROOM LAYOUT MODIFICATIONS.

RACTOR SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER TO ANY INSTALLATION. PROVIDE ISOLATION VALVES AS NECESSARY.

PLUMBING ABBREVIATIONS

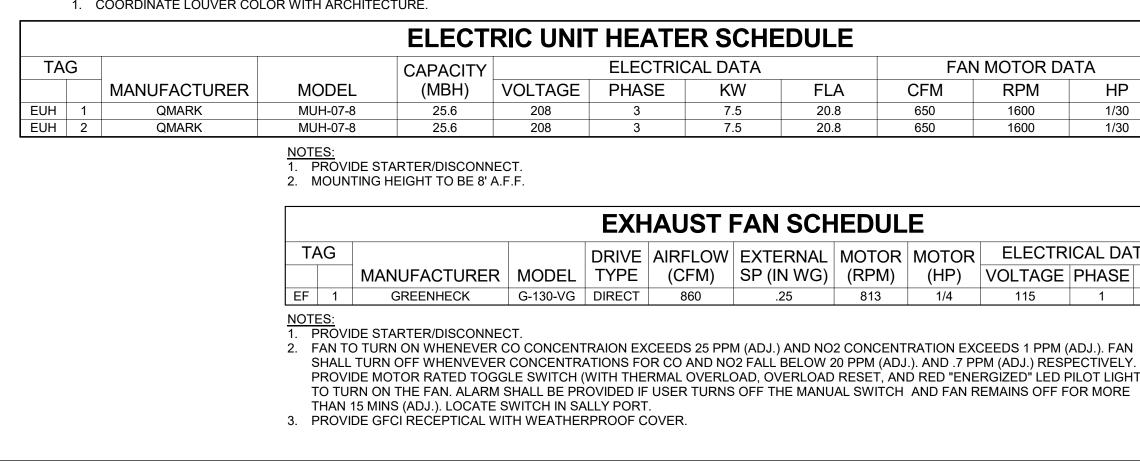


PLUMBING SYMBOLS

DCW (S)	DOMESTIC SOFTENED COLD WATER
	DOMESTIC RAW COLD WATER
— DHW —	DOMESTIC HOT WATER
——————————————————————————————————————	DOMESTIC HOT WATER (140)
DHWR	HOT WATER RETURN
SAN	SANITARY ABOVE GROUND
SAN	SANITARY BELOW GROUND
ST	STORM ABOVE GROUND
ST	STORM BELOW GROUND
V	ABOVE GROUND VENT
	BELOW GROUND VENT
\bowtie	BALL VALVE
\bowtie	CALIBRATED BALANCING VALVE
	CHECK VALVE
C—	SINGLE LINE - PIPE DROP
$\bigcirc -$	SINGLE LINE - PIPE RISE
¢	SINGLE LINE - PIPE RISE TEE
()	SINGLE LINE - PIPE DROP TEE
\bigcirc	TWO LINE - PIPE DROP
\mathbf{O}_{-}	TWO LINE - PIPE RISE

LOUVER SCHEDULE												
NOMINAL DIMENSIONS												
TAG	;				(IN) FREE		FREE	AIRFLOW	VELOCITY			
		MANUFACTURER	MODEL	DESIGNATION	WIDTH	HEIGHT	DEPTH	AREA (SF)	(CFM)	(FPM)	WEIGHT (LBS)	NOTES
L	1	GREENHECK	ESD-635-24x16	INTAKE	24	16	6	0.9	860	933	10	1
L	2	GREENHECK	ESD-635-24x16	EXHAUST	24	16	6	0.9	500	546	9	1

<u>NOTES:</u> 1. COORDINATE LOUVER COLOR WITH ARCHITECTURE.



		PLUMBING FIXTU	IRE SCHEDULE
TAG	FIXTURE	DESCRIPTION	BASIS OF DE
S-1	HAND SINK	■BOWL - ONE (1) 38-1/2"x29-13/16"x43-3/4" 16 GA ONE COMPARTMENT SINK W/ 18" RIGHT DRAIN BOARD AND STAINLESS-STEEL LEGS. CENTER HOLE DRAIN. ■ FAUCET – CHROME PLATE BRASS, 8" CENTERSET WALL MOUNT 44" FLEXIBLE HOSE WITH 1.2 GPM SPRAY HEAD. 2" LEVEL HANDLES. 8" ARC TUBE SPOUT■ DRAIN AND TRAP - LOOSE KEY ANGLE STOP, 3/8"IPS, CHROME PLATED INLET, 3/8" O.D. FLEXIBLE RISER, AND WALL ESCUTCHEON. PROVIDE CAST BRASS P-TRAP, SINK DRAIN, AND FITTINGS.	 BOWL - ELKAY 14-1C18X24-R FAUCET - ELKAY LK943AF08 DRAIN – ELKAY MC TRAP – ELI

SYMBOLS

AxB	RECTANGULAR DUCT DIMENSION
A/B	FLAT-OVAL DUCT DIMENSION
AØ	ROUND DUCT DIMENSION
<	RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN
< /	RECTANGULAR RETURN AIR DUCT - UP OR DOWN
< /	RECTANGULAR EXHAUST AIR DUCT - UP OR DOWN
<	ROUND SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN.
	ROUND RETURN AIR DUCT - UP OR DOWN.
	ROUND EXHAUST AIR DUCT - UP OR DOWN.
	EXHAUST GRILLE (SQUARE)
	VOLUME DAMPER
\bullet	CONNECT TO EXISTING
\mathbf{x}	 EQUIPMENT TYPE (SEE ABBREVIATIONS) SCHEDULE #
T	THERMOSTAT
XXXXXX	KEYNOTE
CO	CARBON MONOXIDE SENSOR
NO2	NITROGEN DIOXIDE SENSOR

——FPW———FIRE PROTECTION WET

MECHANICAL ABBREVIATIONS:

AMPSAMPERESINADJ.ADJUSTABLELAPDAIR PRESSURE DROPLATA.F.F.ABOVE FINISHED FLOORLDBCFMCUBIC FEET PER MINUTELBSCO.COMPANYLWBDSPDUCT STATIC PRESSUREMAXEAEXHAUST AIRMIN.EATENTERING AIR TEMPERATURENO.EDBENTERING DRY BULBOAEFEXHAUST FANPHEFFEFFICIENCYPSI.ELECT.ELECTRICALRFESPEXTERNAL STATIC PRESSURERMEWBENTERING WET BULBRMEWCELECTRIC WATER COOLERSEFFIRE DAMPERSFPMFEET PER MINUTETFAFFAFROM FLOOR ABOVETFBFFBFROM FLOOR BELOWTSPFTFEETVAVGCGENERAL CONTRACTORVOLTHPHORSE POWERVFDHRHOURW.C.I.D.IDENTIFICATIONW.O.IHINTAKE HOODWPDMBH1000 BRITISH THERMAL UNITS PER H	VARIABLE FREQUENCY DRIVE WATER COLUMN WALL OPENING WATER PRESSURE DROP
--	---

L DATA FAN MOTO				ТА	
KW	FLA	CFM	RPM	HP	NOTES
7.5	20.8	650	1600	1/30	1,2
7.5	20.8	650	1600	1/30	1,2

EXHAUST FAN SCHEDULE

			-	-			
SW	EXTERNAL	MOTOR	MOTOR	ELECTR	ICAL DA	TA	
1)	SP (IN WG)	(RPM)	(HP)	VOLTAGE	PHASE	FLA	NOTES
	.25	813	1/4	115	1	3.8	1,2,3

SHALL TURN OFF WHENVEVER CONCENTRATIONS FOR CO AND NO2 FALL BELOW 20 PPM (ADJ.). AND .7 PPM (ADJ.) RESPECTIVELY. PROVIDE MOTOR RATED TOGGLE SWITCH (WITH THERMAL OVERLOAD, OVERLOAD RESET, AND RED "ENERGIZED" LED PILOT LIGHT)

E						
DESIGN	SAN/WASTE	VENT	COLD WATER	нот	WATER	REMARKS
AY MODEL 4-R-18X KAY MODEL 508LC MODEL LK18B ELKAY	2"	1 1/4"	1/2"		1/2"	-
WATER HAMMER ARRESTOR SCHEDULE						

TYPE	FIXTURE UNIT RATING	I.P.S.	MODEL
WHA-A	1-11	3/4"	5005

MECHANICAL GENERAL NOTES:

- 1. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH INDIANA MECHANICAL CODE, LATEST APPLICABLE EDITION, THE AUTHORITY HAVING JURISDICTION AND AS SPECIFIED (WHICHEVER IS MORE STRINGENT).
- 2. IF NON-DESIGN BASE EQUIPMENT IS SELECTED, THIS CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS FOR MODIFICATION TO THE PROPOSED BUILDING SYSTEM CAUSED BY SELECTION OF THE NON-DESIGN BASE EQUIPMENT INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.
- 3. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS. IF DIMENSIONS CANNOT BE ACCURATELY DETERMINED, REQUEST THE INFORMATION FROM THE ARCHITECT/ENGINEER.
- 4. KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT.
- 5. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT EXCEPT AS SPECIFICALLY NOTED.
- 6. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED, WHETHER INDICATED ON THE PLANS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL/CEILING ASSEMBLY.
- 7. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE, PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AS NECESSARY AND COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES. 8. DUCTWORK
 - A. ALL LISTED DUCTWORK DIMENSIONS ARE CLEAR AIR FLOW DIMENSIONS.
 - B. ALL DUCTS IN FINISHED ROOMS AND SPACES SHALL BE CONCEALED IN CHASES OR ABOVE THE CEILINGS, UNLESS OTHERWISE NOTED.
 - C. FIELD VERIFY LOCATION OF BEAMS, GENERAL STRUCTURE, LIGHTING, PIPING, ETC., BEFORE FABRICATION AND INSTALLATION OF DUCTWORK COORDINATE ELEVATIONS, OFFSETS, AND TRANSITIONS AS REQUIRED.
 - D. MAXIMUM LENGTH OF FLEX DUCT SHALL BE 5'-0". FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK IS EXPOSED. THE LAST ELBOW BEFORE CONNECTION TO AN AIR DEVICE SHALL BE A HARD DUCT.
 - E. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS.
 - F. THE ELBOWS FOR DUCTWORK SHALL HAVE TURNING VANES UNLESS NOTED OTHERWISE.
 - G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR AIR DEVICE LOCATIONS. H. ALL AIR DEVICES IN CMU WALLS SHALL MATCH BLOCK COURSING.
 - I. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED
 - WALLS, FLOORS AND SMOKE BARRIERS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS, SMOKE DAMPERS IN ALL DUCTS PENETRATING SAID WALLS/FLOOR, WHETHER INDICATED ON THE MECHANICAL PLANS OR NOT.
- 9. ALL HANGER SYSTEMS FOR PIPING, DIFFUSERS, GRILLES, DUCTWORK AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
- 10. COORDINATE ALL WORK WITH EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.
- 11. CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
- 12. ALL HVAC CONTROL WIRING SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR UNLESS OTHERWISE NOTED. EXPOSED CONTROL WIRING SHALL BE IN CONDUIT. TEMPERATURE CONTROL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND LOCATING ANY 24V TRANSFORMERS REQUIRED FOR CONTROL COMPONENTS. COORDINATE WITH DIV 26 CONTRACTOR FOR POWER WIRING.
- 13. REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. 14. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS,
- CEILINGS ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING , DUCTWORK ETC. PATCH AS NEEDED TO MATCH ADJACENT CONDITIONS. 15. FOR ANY 24 V EQUIPMENT OR ACCESSORY NEEDING POWER, DIVISION 26 CONTRACTOR SHALL BE
- RESPONSIBLE FOR PROVIDING POWER UPSTREAM OF THE TRANSFORMER. DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR 24 V POWER DOWNSTREAM OF TRANSFORMER. 16. FOR EQUIPMENT NOT BEING DEMOLISHED OR TO REMAIN AS EXISTING, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POSSIBLE MEANS AND METHODS REQUIRED FOR TEMPORARY SUPPORTS AND
- REINSTALLS 17. NUMEROUS PENETRATIONS ARE REQUIRED THROUGH EXISTING MULTI-WYTHE LOAD BEARING MASONRY WALLS.
- A. PROVIDE LINTEL AT PENETRATION CONSISTING OF (1) L3 1/2x3 1/2x3/8 FOR EACH 4" THICKENESS OF MASONRY WALL AT ALL PENETRATIONS GREATER THAN 12" IN WIDTH.
- B. GROUPS OF PENETRATIONS SHALL BE TREATED AS ONE PENETRATION WHERE PENETRATIONS ARE PLACED CLOSER THAN 12" IN PLAN.
- C. ALL LINTELS SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END ON SOLID MASONRY. D. IN NO CASE SHALL ANY PENETRATION AS DESCRIBED ABOVE EXCEED 4'-0". CONTACT ENGINEER FOR DIRECTION.
- E. IN NO CASE SHALL PENETRATIONS BE PLACED DIRECTLY BELOW ANY BEAM OR LINTEL BEARING. F. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED TO PLACE LINTELS FOR REQUIRED
- 21. ALL DDC CONTROLS SHALL BE BACNET IP INCLUDING BUT NOT LIMITED TO UNITARY CONTROLS. PROVIDE CONTROLS TO ALLOW FOR DAISY CHAIN CONNECTION.

FIRE PROTECTION GENERAL NOTES:

PENETRATIONS.

- 1. THE BUILDING EXISTING SPRINKLER SYSTEM SHALL BE EXTENDED TO COVER NEW ADDITION AS NOTED ON THE DRAWINGS.
- 2. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED. DESIGN DENSITIES AND SPRINKLER HEAD COVERAGE SHALL BE PROVIDED AS PER NFPA-13 STANDARDS BASED ON OCCUPANCY AND FIRE HAZARD TYPES.
- 3. HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE NFPA-13 STANDARD. 4. ALL PIPING SHALL BE CONCEALED IN AREAS WITH FINISHED CEILINGS.
- 5. ALL FLOW TEST DRAINS SHALL BE PIPED TO A SUITABLE DRAIN THAT DISCHARGES TO THE EXTERIOR OF
- THE BUILDING OR AS INDICATED ON THE DRAWINGS.
- 6. AUXILIARY DRAINS SHALL BE PROVIDED, WHERE REQUIRED, FOR SYSTEM DRAINAGE. 7. COORDINATE FIRE SPRINKLER WORK WITH ARCHITECTURAL (REFLECTED CEILING PLAN), ELECTRICAL
- (LIGHTING), HVAC (DUCTWORK AND PIPING), AND PLUMBING, BEFORE COMMENCING WORK. 8. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR COSTS, PERMIT FEES AND EQUIPMENT REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL SPRINKLER SYSTEM, AS INDICATED IN THE CONTRACT DOCUMENTS.
- 9. CONTRACTOR SHALL PREPARE AND SUBMIT SPRINKLER PLANS AND PRODUCT DATA SHEETS THAT CONTAIN SUFFICIENT DETAIL FOR THE AUTHORITIES HAVING JURISDICTION TO EVALUATE THE HAZARD AND EFFECTIVENESS OF THE SPRINKLER SYSTEM.
- 10. INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, THE STATE OF INDIANA FIRE CODE, AND OTHER LOCAL FIRE CODE AUTHORITY HAVING JURISDICTION.
- 11. HYDRAULIC CALCULATIONS AND SHOP DRAWINGS SUBMITTALS SHALL BE SIGNED AND STAMPED BY A QUALIFIED FIRE PROTECTION PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA. 12. ANY CONFLICTS WHICH OCCUR DUE TO LACK OF COORDINATION OF THE SPRINKLER CONTRACTOR WITH OTHER DIVISIONS SHALL BE CORRECTED BY THE SPRINKLER CONTRACTOR WITH NO FURTHER EXPENSE TO
- 13. SPRINKLER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE NFPA-13 AND BY THE AUTHORITY HAVING JURISDICTION BEFORE COMMISSIONING THE SPRINKLER SYSTEMS.
- 14. REFER TO ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS.

CONCEALED IN OCCUPIED AREAS.

EQUIPMENT.

- 15. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO DRAIN BACK TO ALARM VALVES OR DRAIN STATIONS 16. PIPE ROUTINGS ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ARCHITECTURAL DRAWINGS FOR UNDERSTANDING OF CEILING CONDITIONS AND WHERE PIPING IS ROUTED TO REMAIN
- 17. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO NOT BE ROUTED OVER ELECTRICAL

