WESTCHESTER MAINTAINENCE BUILDING ADDITION

DUNELAND SCHOOL CORPORATION

GEROMETTA & KINEL ARCHITECTS, INC.

SCHOOL BOARD

MRS. JANICE CUSTER

MR. NICK JURASEVICH

MR. RON STONE

architect:

MR. RALPH AYRES

MR. MICHAEL TROUT

MR. MICHAEL C. HARRIS

PRESIDENT VICE PRESIDENT

SECRETARY

BOARD MEMBER

BOARD MEMBER

CHESTERTON, INDIANA

ADMINISTRATION

DR. DIRK BAER MR. MONTE MOFFETT

DR. DAVID PRUIS

MRS. BONNIE GASTON

MR. MARK MCKIBBEN

SUPERINTENDENT

ASSIST. SUPERINTENDENT ASSIST. SUPERINTENDENT

BUSINESS MANAGER

DIR. OF SPECIAL SERVICES

(SEE SPEC SECTION 1100 ALTERNATE BIDS)

BOARD ATTORNEY

civil:

consulting engineer:

TITLE SHEET & SITE PLAN

TOPOGRAPHIC & UTILITY SURVEY

NEW 1811 ø

@ SOUTH SIDE DRIVE

CONC. FTGS.-

CANTILEVER SLIDE GATE

M/E DESIGN SERVICES, INC. MISHAWAKA, INDIANA

site engineer: McMAHON GROUP

DRAWING INDEX

architectural:

NEW FLOOR PLAN

NEW BUILDING ELEVATIONS

NEW BUILDING SECTIONS, & DETAILS E1.1

SECTION

3/16" = 1'-0" \SP-1

THRU SLIDE GATE 1/2" = 1'-0"

WALL SECTIONS

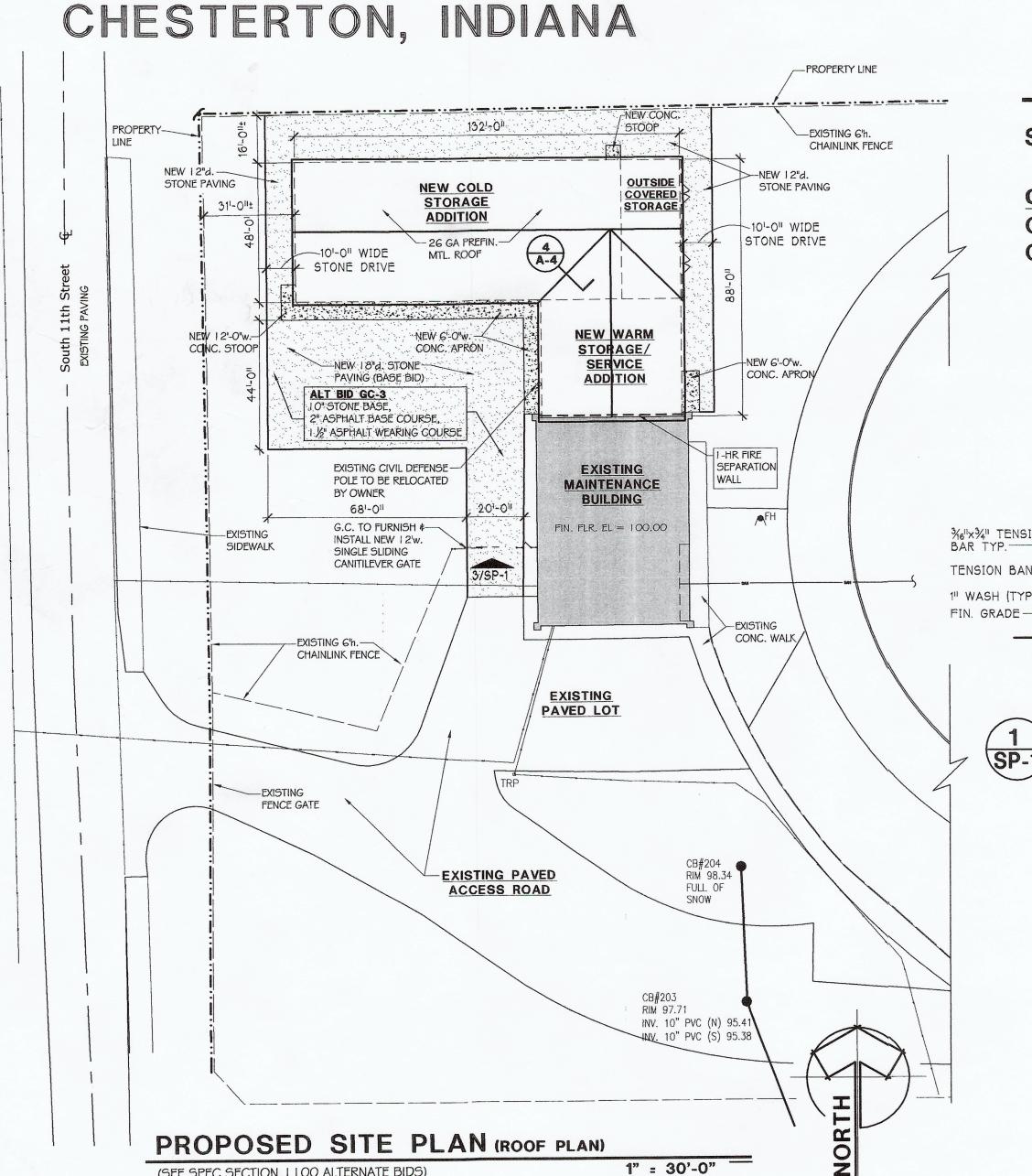
FOUNDATION PLAN **S-1**

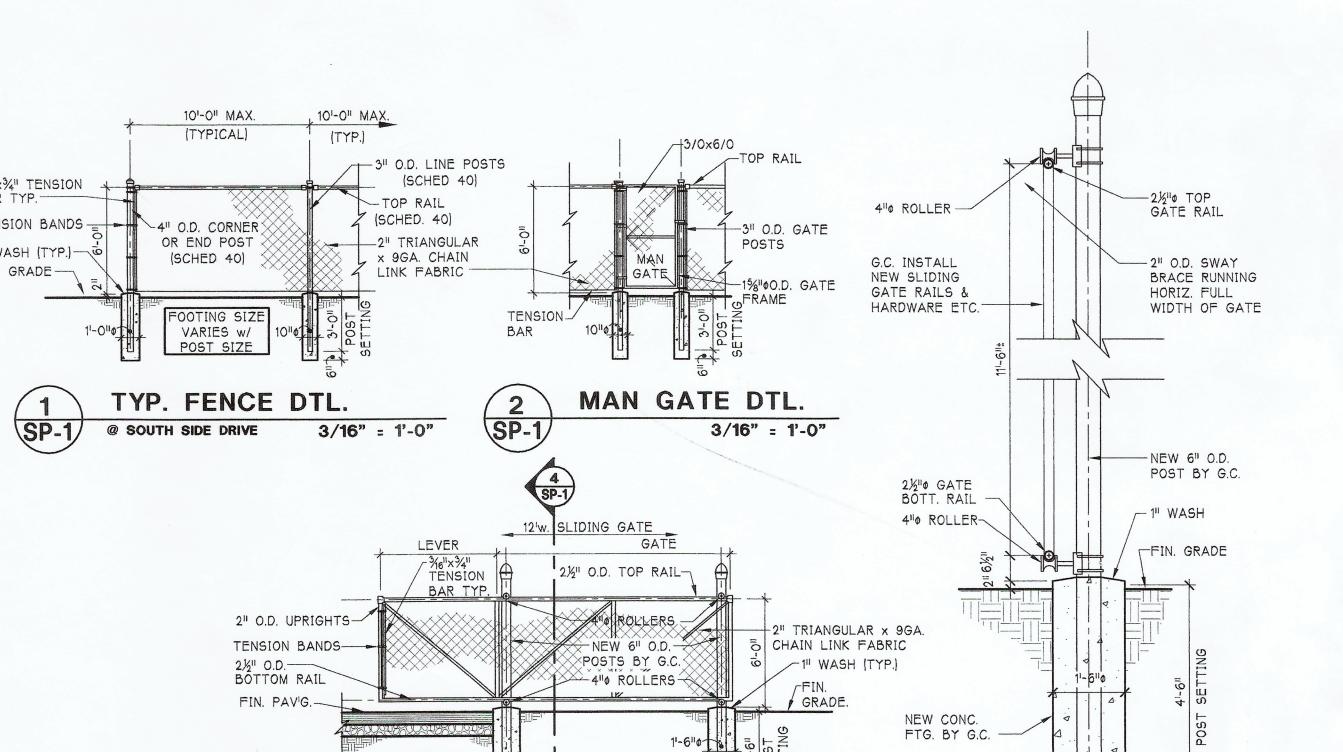
ROOF FRAMING PLAN

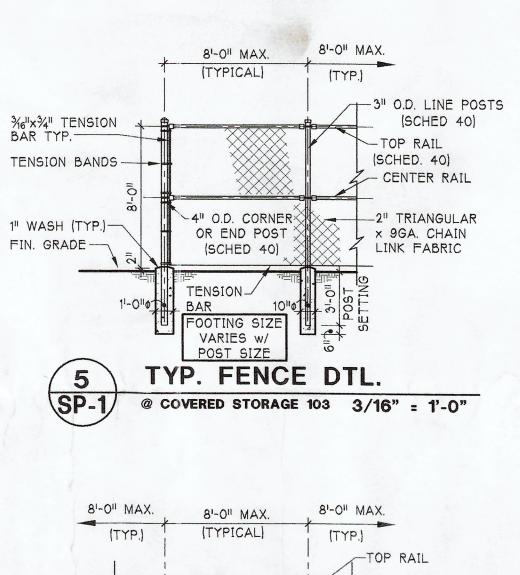
VALPARAISO, INDIANA

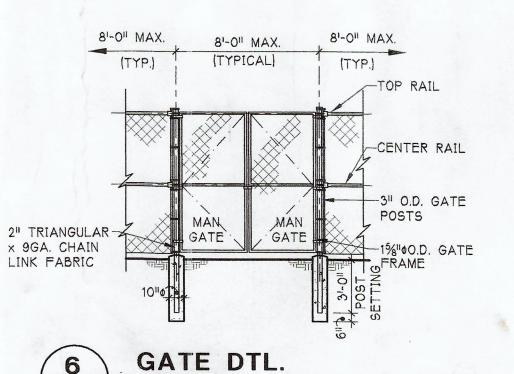
mechanical/electrical: MECHANICAL PLAN

ELECTRICAL PLAN



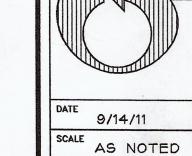






@ COVERED STORAGE 103

3/16" = 1'-0"



JAV 1118

SP-

WESTCHESTER MAINTAINENCE BUILDING ADDITION

TITLE SHEET & SITE PLAN

SITE PLAN

TOPOGRAPHIC & UTILITY SURVEY

DUNELAND SCHOOL CORPORATION

SCHOOL BOARD MRS. JANICE CUSTER MR. NICK JURASEVICH

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CHESTERTON, INDIANA

BUSINESS MANAGER DIR. OF SPECIAL SERVICES

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architect:

GEROMETTA & KINEL ARCHITECTS, INC. CHESTERTON, INDIANA

consulting engineer: M/E DESIGN SERVICES, INC. MISHAWAKA, INDIANA

site engineer: McMAHON GROUP VALPARAISO, INDIANA

DRAWING INDEX

architectural: **NEW FLOOR PLAN**

NEW BUILDING ELEVATIONS NEW BUILDING SECTIONS, & DETAILS WALL SECTIONS

SECTION

THRU SLIDE GATE

S-1 FOUNDATION PLAN **ROOF FRAMING PLAN**

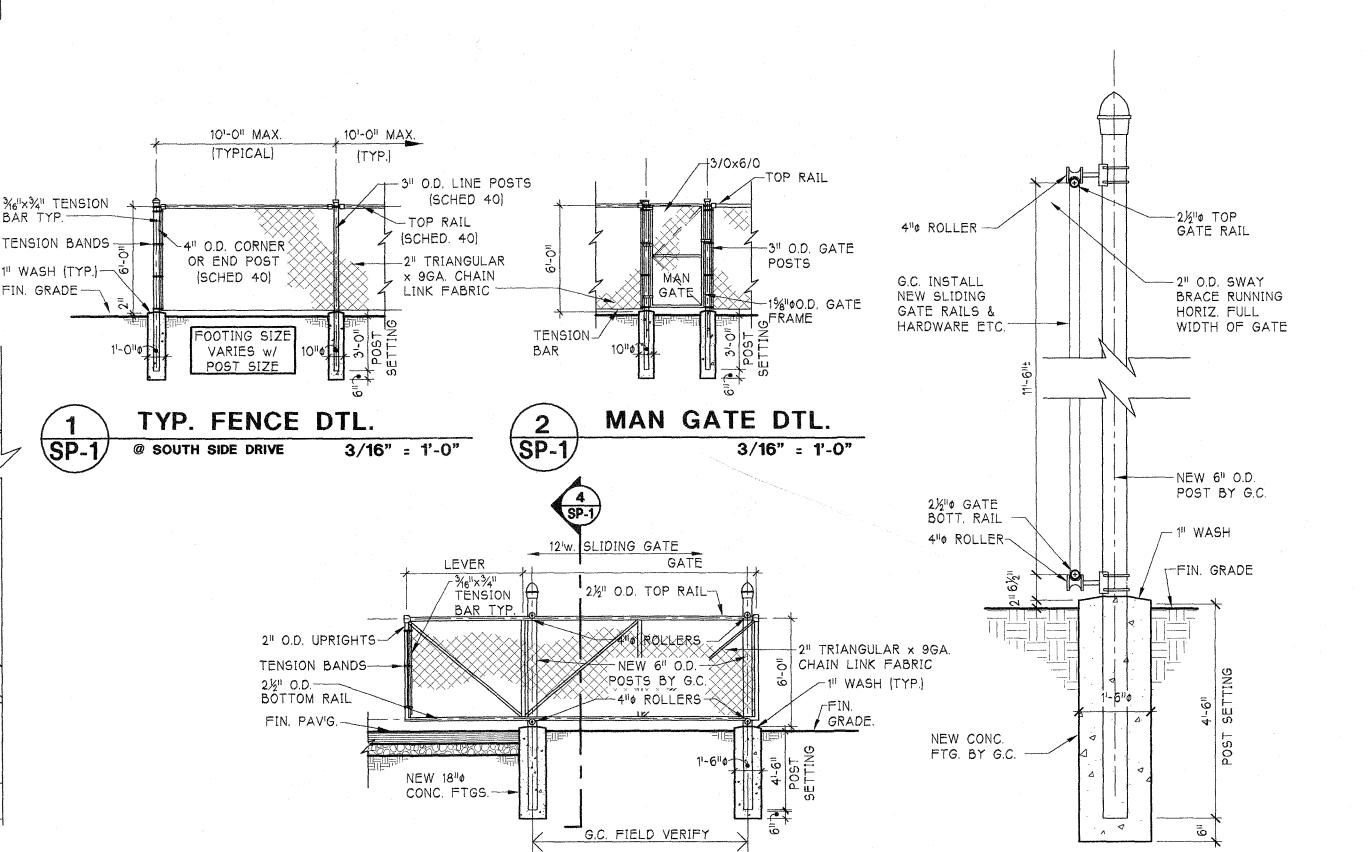
mechanical/electrical:

MECHANICAL PLAN

ELECTRICAL PLAN

-10'-0" WIDE MTL. ROOF STONE DRIVE NEW 6'-0"w. -NEW WARM NEW 12'-0"w.-STORAGE/ CONC. APRON CONC. STOOP -NEW 6'-0"w. SERVICE -NEW 18"d. STONE-**ADDITION** CONC. APRON PAVING (BASE BID) ALT BID GC-3 2" ASPHALT BASE COURSE, 1 ½" ASPHALT WEARING COURSE EXISTING CIVIL DEFENSE SEPARATION **EXISTING** WALL POLE TO BE RELOCATED MAINTENANCE BY OWNER BUILDING 681-011 G.C. TO FURNISH #-FIN. FLR. EL = 100.00 -EXISTING INSTALL NEW 12'w. SIDEWALK SINGLE SLIDING CANITILEVER GATE FIN. GRADE --EXISTING CONC. WALK, CHAINLINK FENCE **EXISTING** PAVED LOT FENCE GATE CB#204 RIM 98.34 -EXISTING PAVED ACCESS ROAD INV. 10" PVC (N) 95.4 NV. 10" PVC (S) 95.38 PROPOSED SITE PLAN (ROOF PLAN)

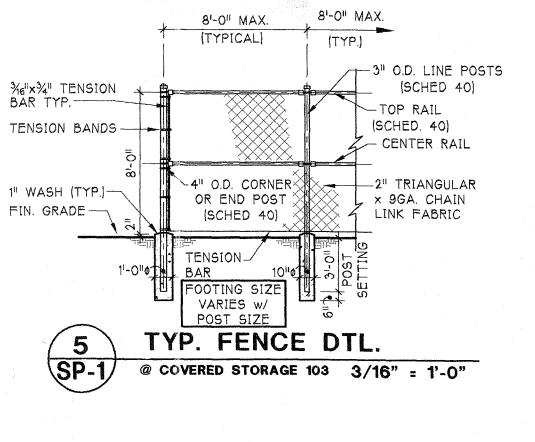
1" = 30'-0"

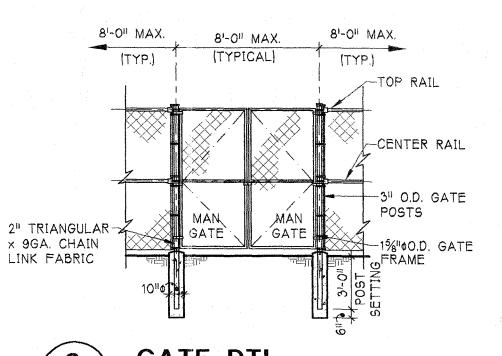


3/16" = 1'-0"

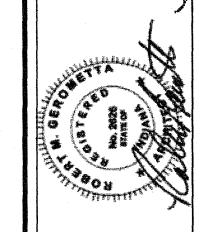
CANTILEVER SLIDE GATE

@ SOUTH SIDE DRIVE





GATE DTL. @ COVERED STORAGE 103 3/16" = 1'-0"



BULDING CHESTERTON, INDIANA

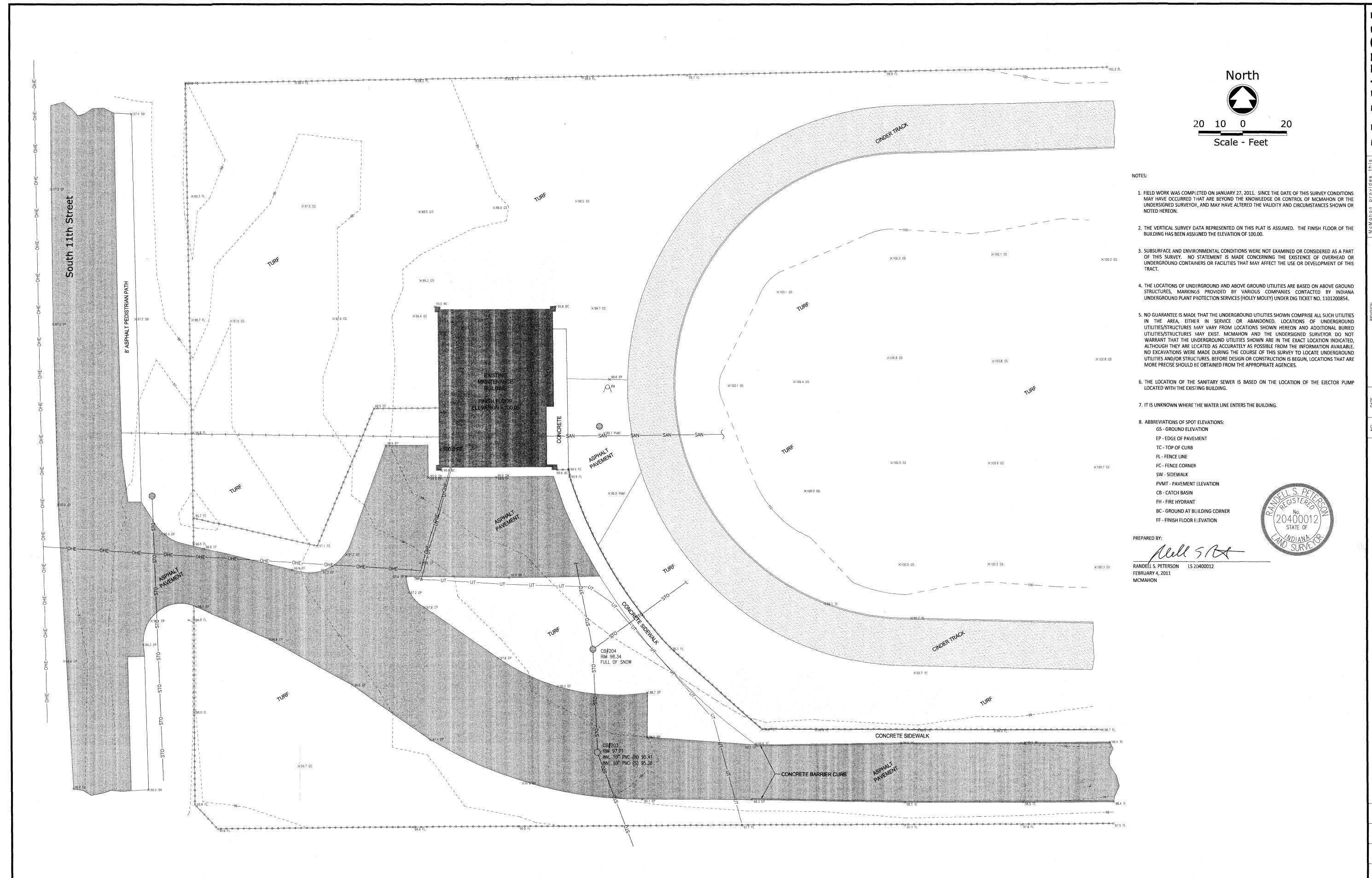
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D MAINTENANCE

AS NOTED JAV 1118

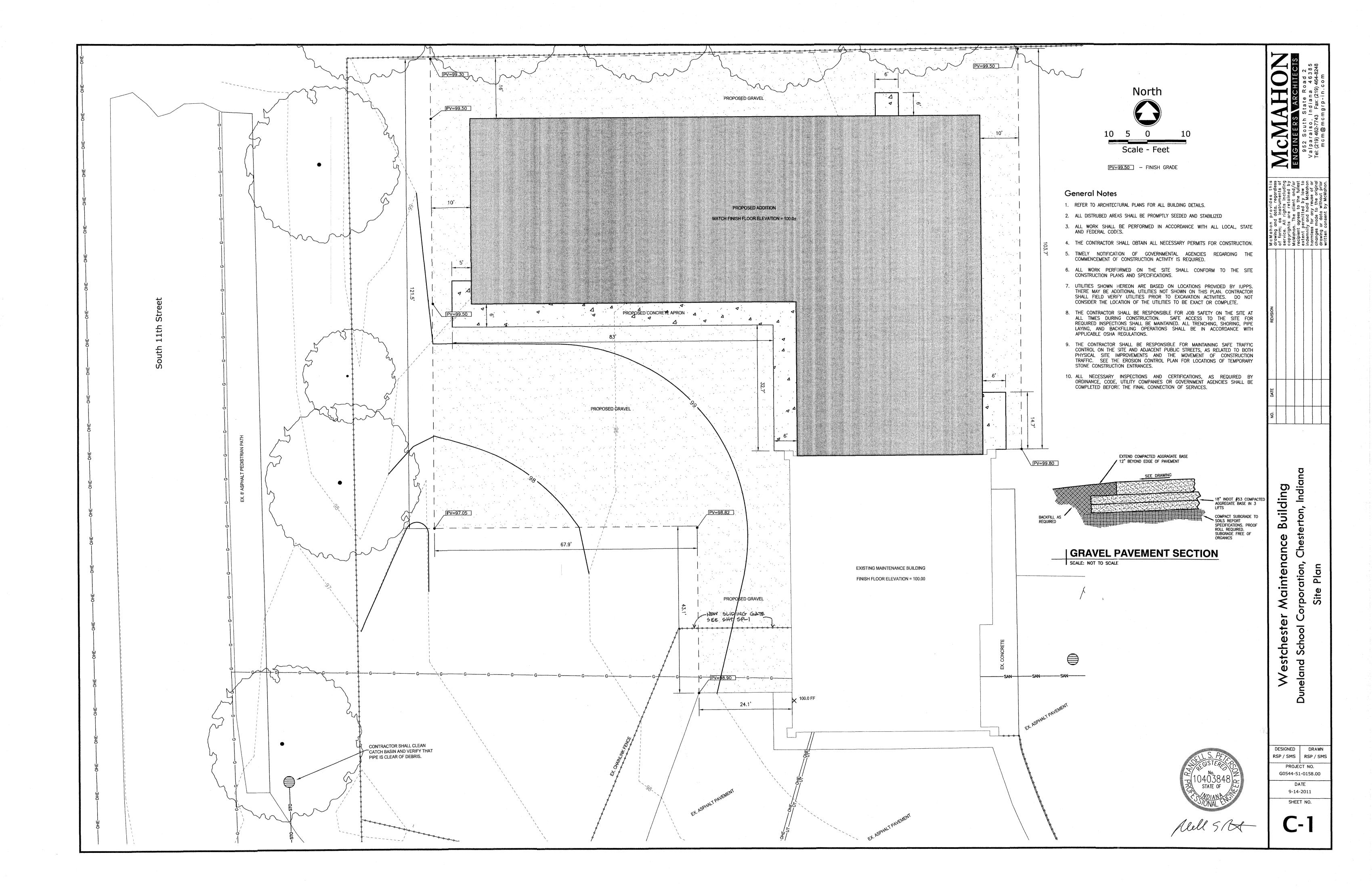
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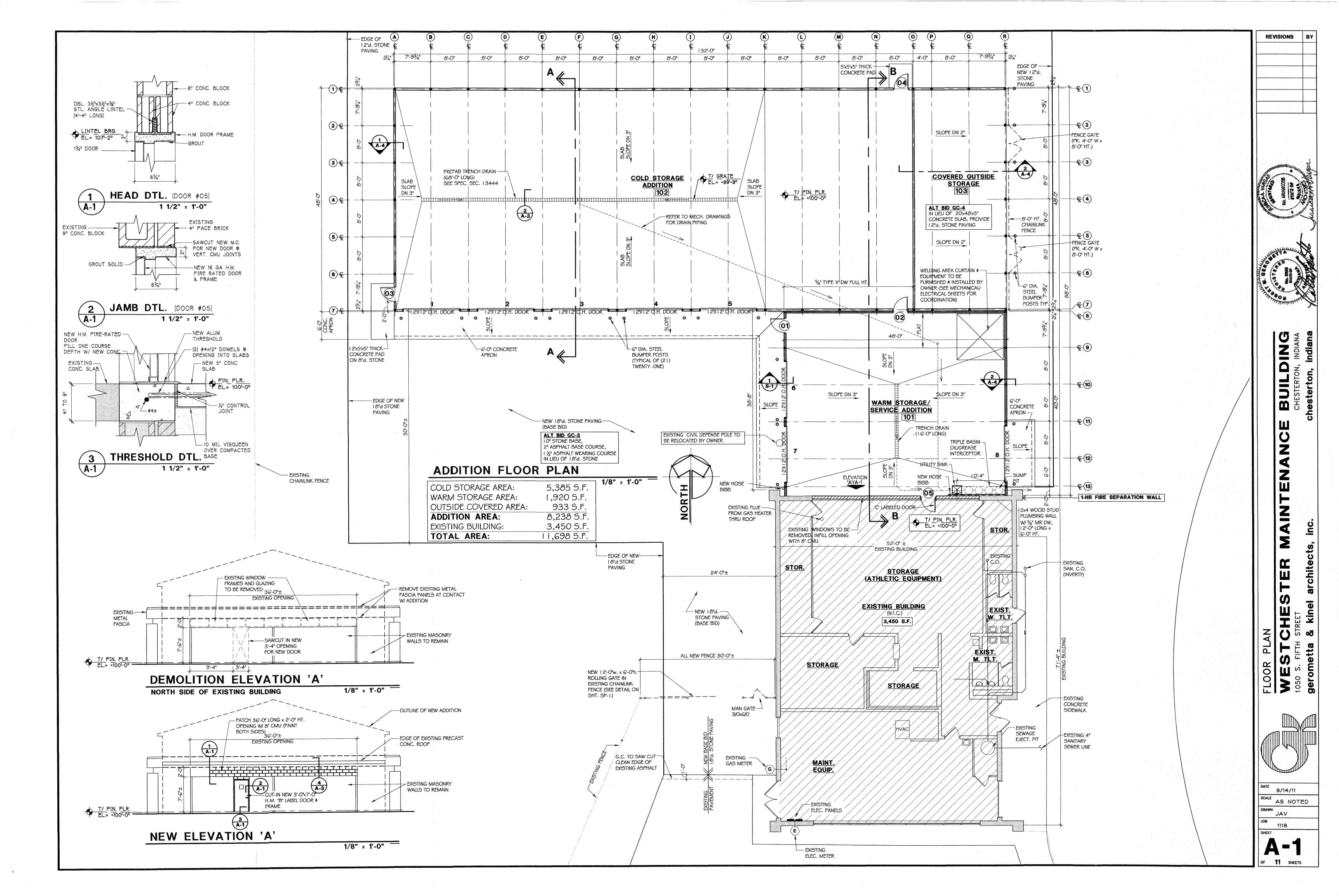


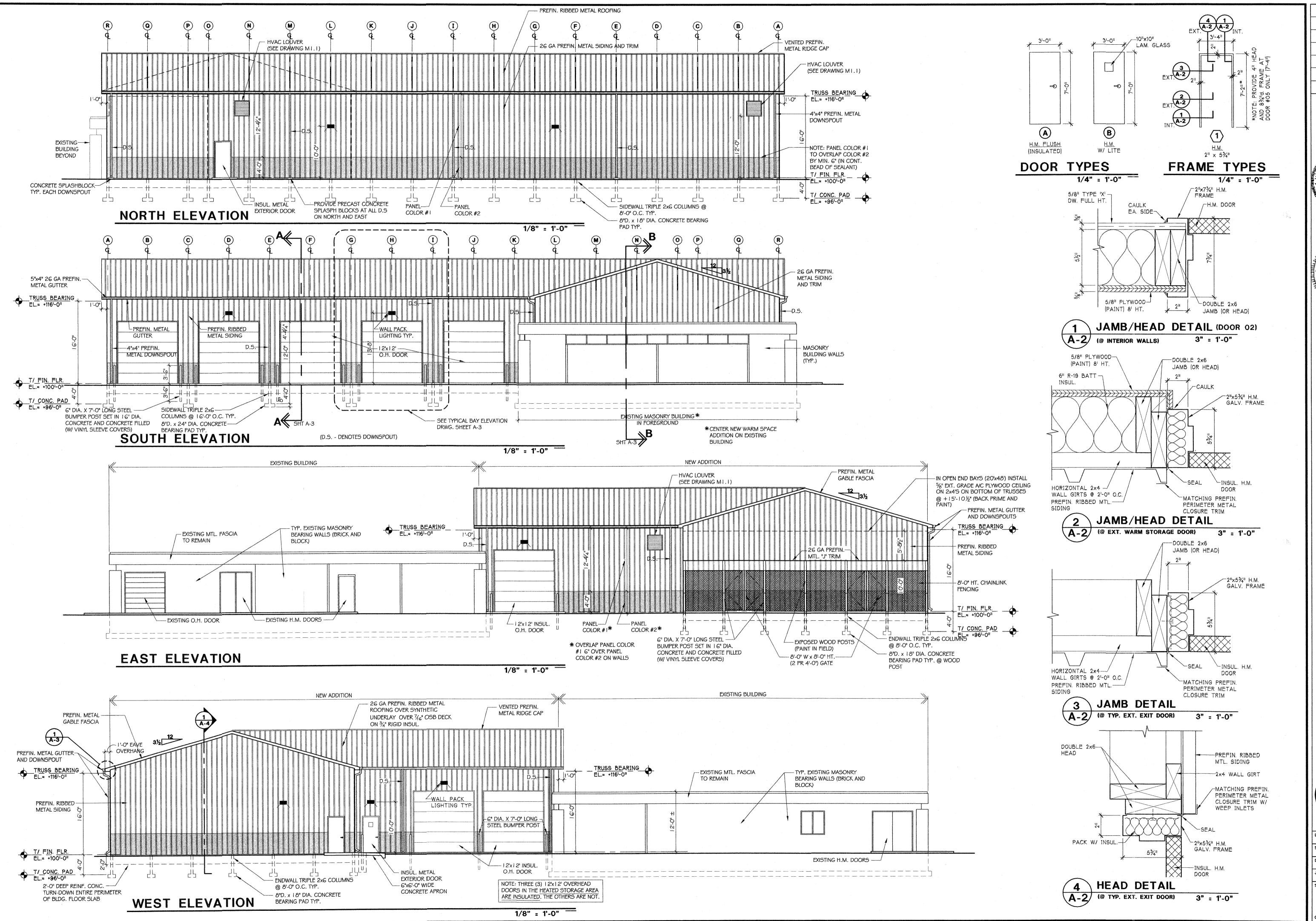
Addition Building Maintenance

DESIGNED DRAWN RSP / SMS RSP / SMS PROJECT NO. D0528-51-0105.00 DATE

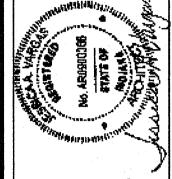
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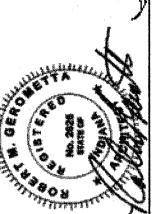


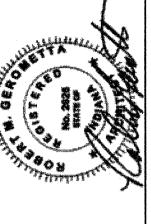




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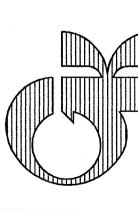






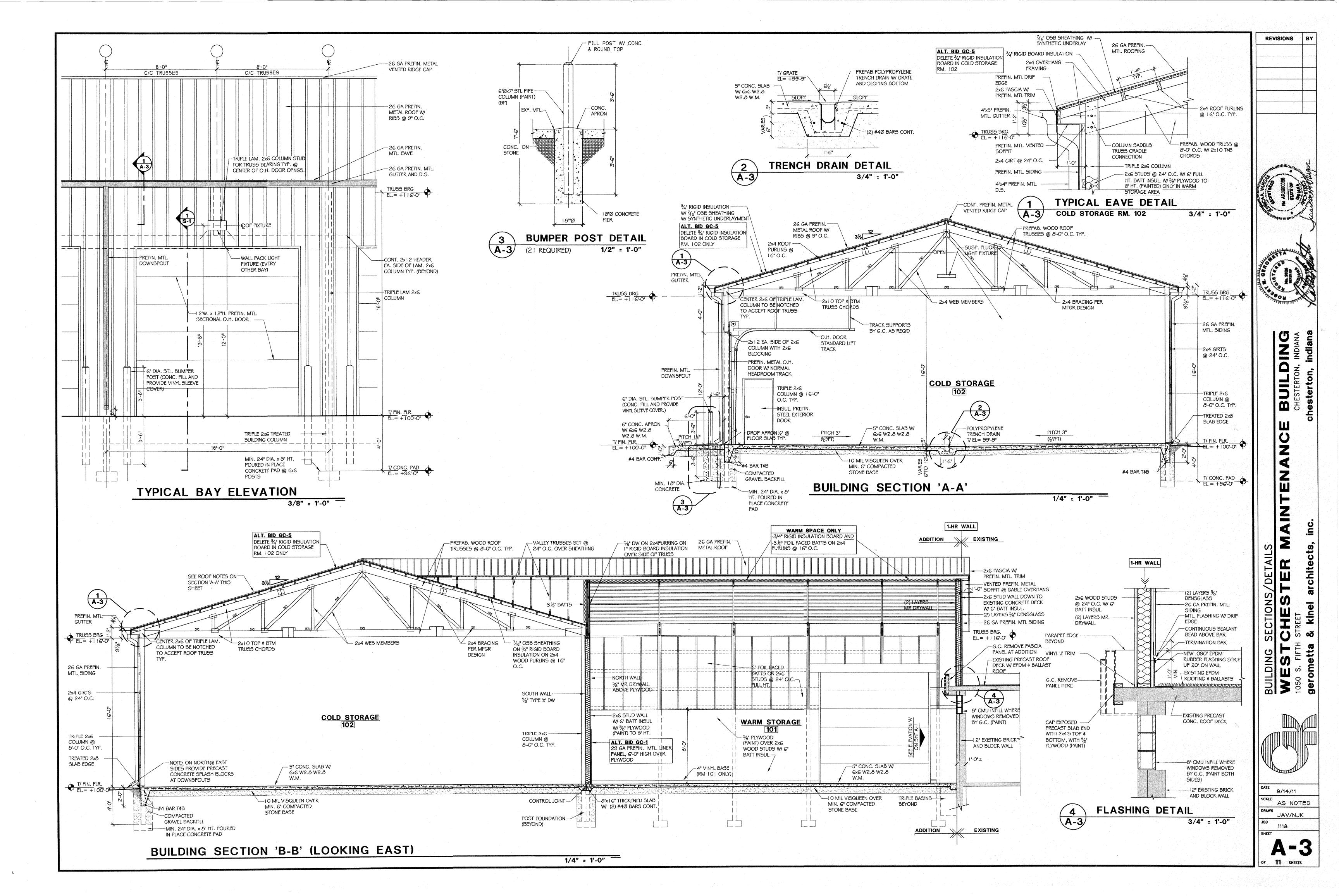
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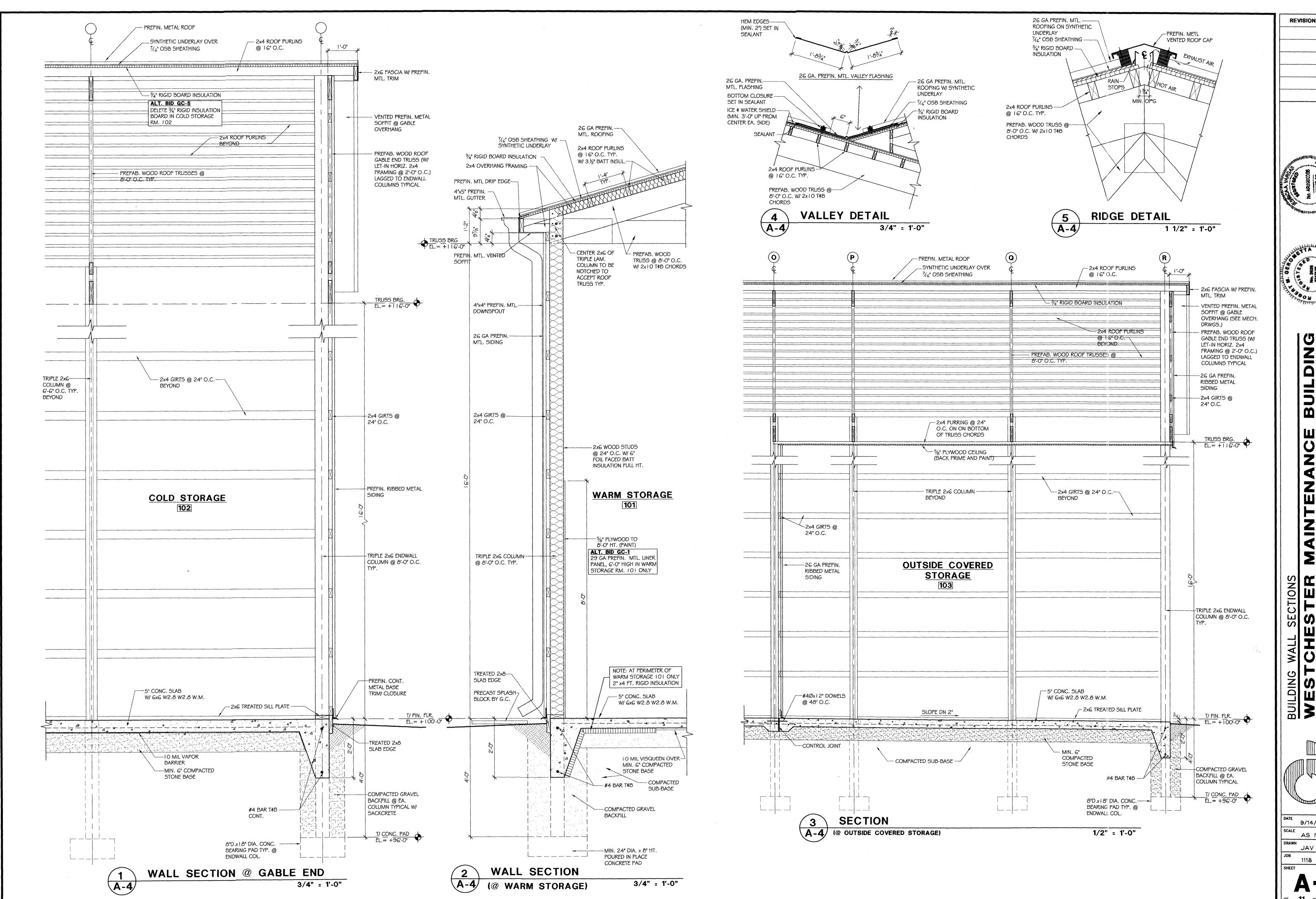
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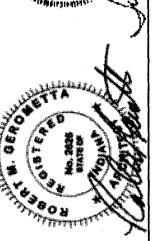
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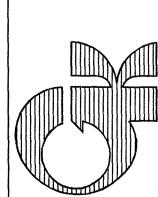
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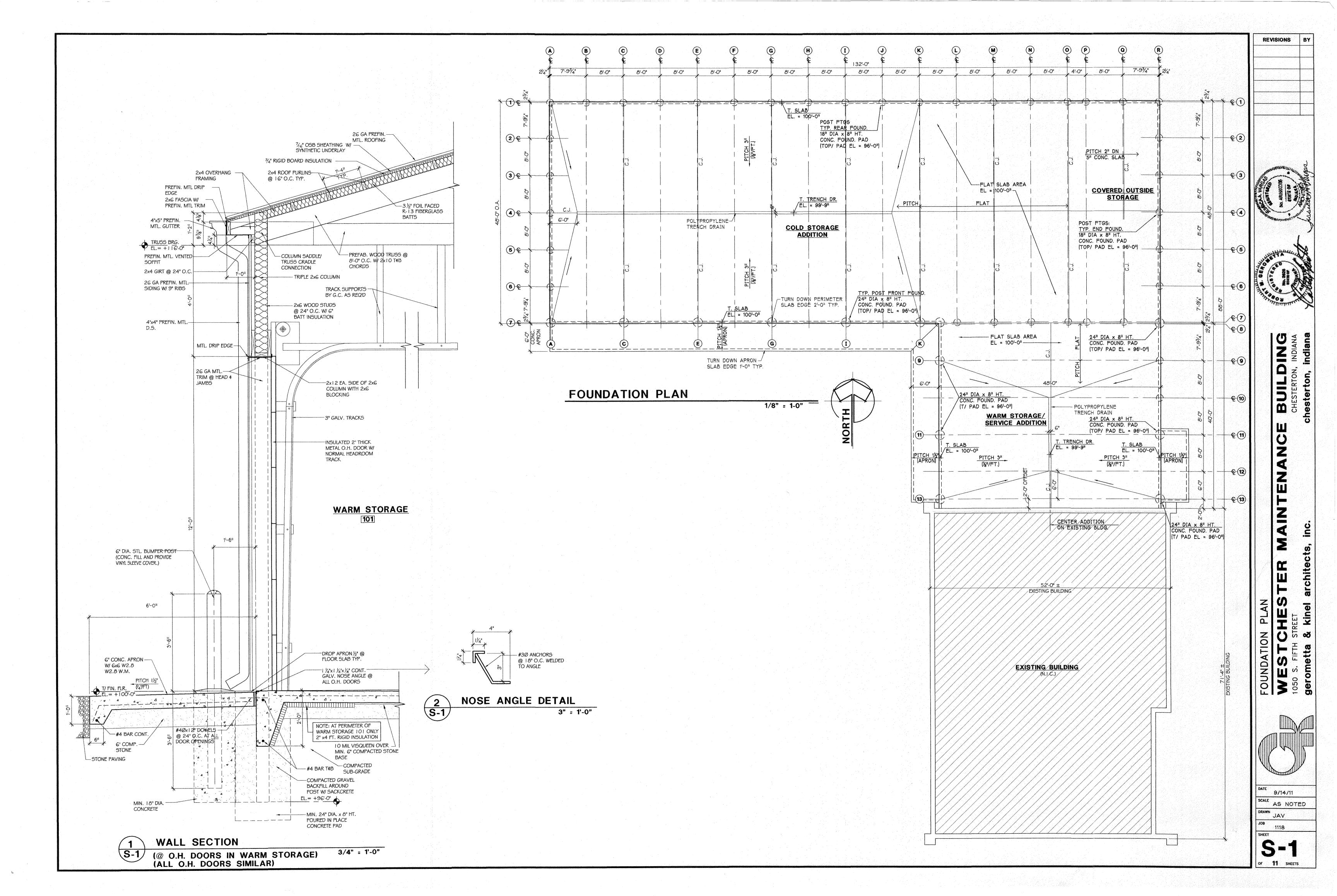


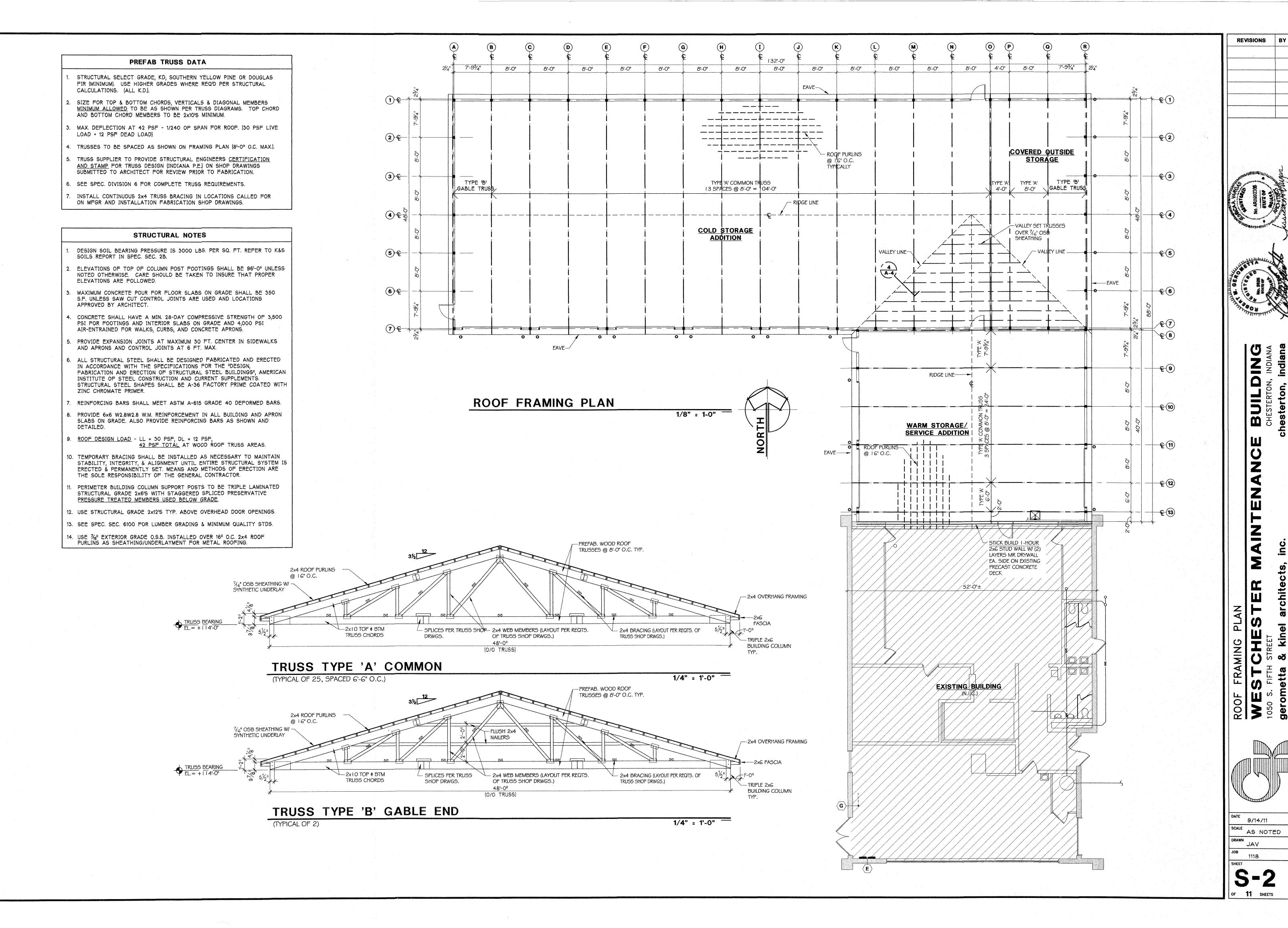
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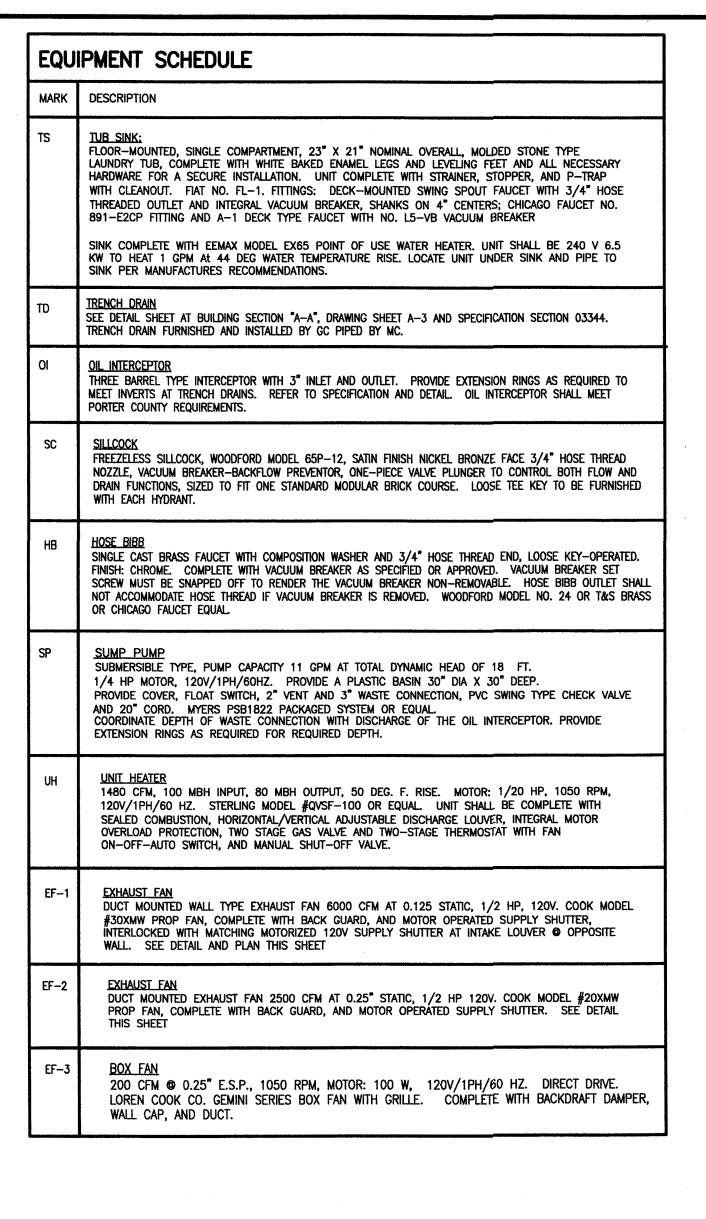


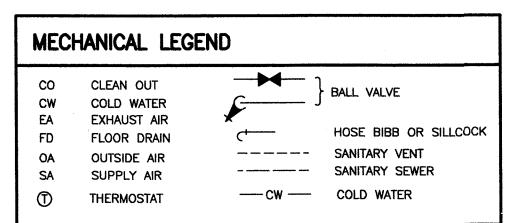


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GENERAL MECHANICAL NOTES

THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.

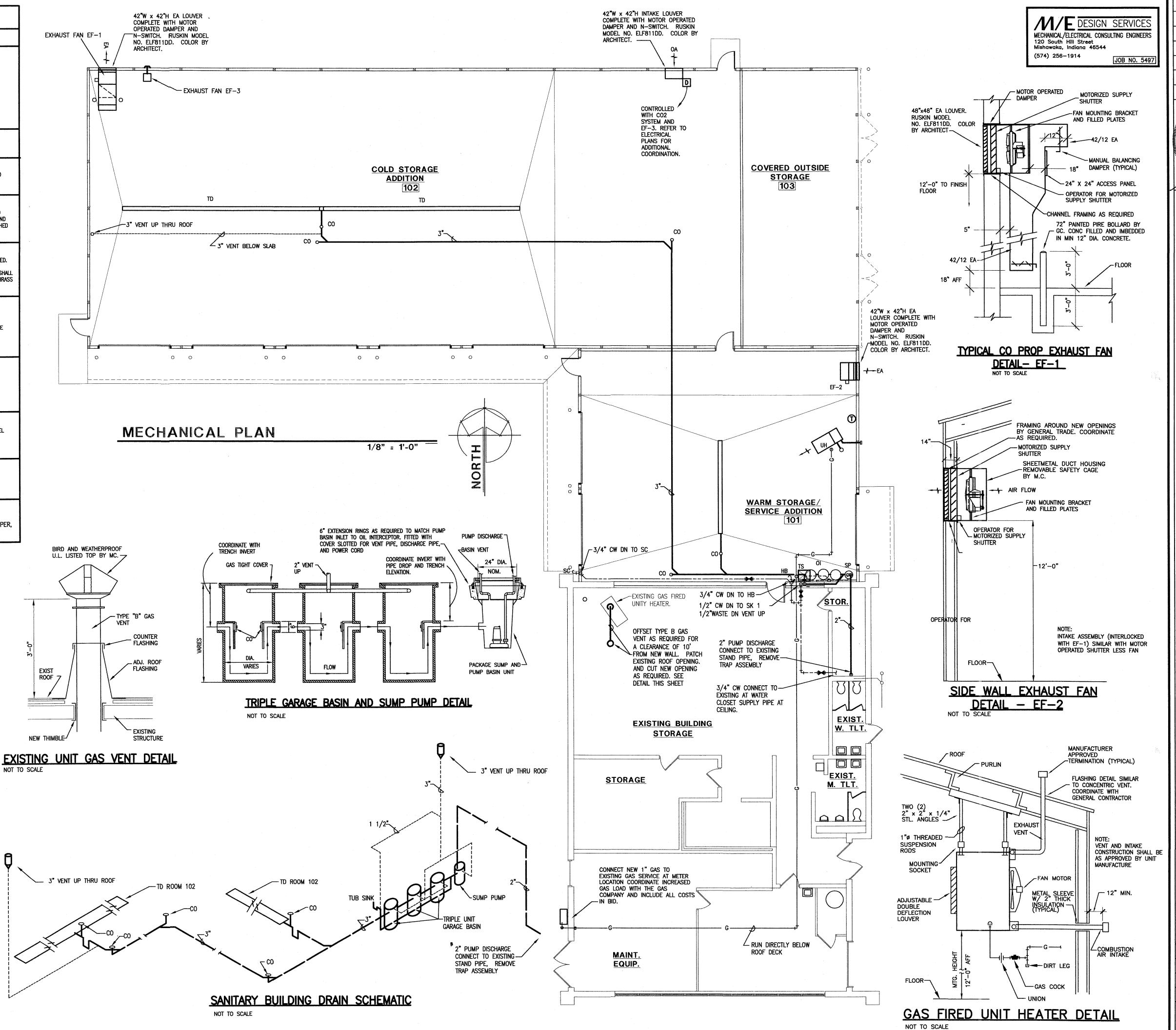
THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COSTS FOR LOCATING, REMOVING, REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

MECHANICAL TRADE SHALL COORDINATE ROOF AND WALL FLASHING AND EXACT PENETRATION LOCATIONS.

DRAWINGS ARE DIAGRAMMATIC AND GENERALLY INDICATIVE OF THE WORK. PIPING AND SYSTEMS SHALL FOLLOW ARRANGEMENT AS MUCH AS POSSIBLE, HOWEVER, ACTUAL FIELD CONDITIONS SHALL DICTATE. PROVIDE NECESSARY MODIFICATIONS TO MEET FIELD CONDITIONS AND AVOID CONFLICT WITH OTHER TRADES. IF RESOLUTION CANNOT BE REACHED WITHOUT COMPROMISING THE DESIGN, THESE CONFLICTS SHALL BE PRESENTED TO THE ENGINEER FOR RESOLUTION. IN CONFLICT AREAS, COMPLETE ONLY WORK NOT AFFECTED BY THE CONFLICT PRIOR TO RESOLUTION.

- THE FLOOR PLANS DO NOT SHOW ALL VALVES, FITTINGS, APPURTENANCES, DUCT TRANSITIONS, ACCESS PANELS, ELEVATION CHANGES, AND VARIOUS OTHER ITEMS CALLED FOR BY DETAILS AND SPECIFICATIONS. REFER TO DETAILS AND SPECIFICATIONS AND WHERE REQUIRED, THESE ITEMS SHALL BE PROVIDED WITHOUT ADDITIONAL COST FOR A COMPLETE AND OPERATING SYSTEM.
- 6. COORDINATE ROUTING OF PIPING, DUCTWORK, ETC. PRIOR TO STARTING INSTALLATION. MECHANICAL AND ELECTRICAL TRADES SHALL REVIEW AVAILABLE SPACE AND COORDINATE ALL SYSTEM ROUTING
- 7. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CUTTING AND/OR PATCHING OF EXISTING WALLS, CEILING AND FLOORS AS REQUIRED FOR NEW AND/OR DEMOLITION OF MECHANICAL WORK, EXCEPT WHERE STRUCTURAL SUPPORT IS REQUIRED OR WHERE WORK CAN BE COORDINATED WITH OTHER
- CONNECTIONS TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS,
- ALL HANGER SYSTEMS FOR PIPING AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
- ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES AND REGULATIONS HAVING JURISDICTION.

 MAINTAIN SAFE AND ORDERLY JOB CONDITIONS. PROTECT ALL AREAS, BARRICADE AND SEAL WORK
- MAINTAIN SAFE AND ORDERLY JOB CONDITIONS. PROTECT ALL AREAS. BARRICADE AND SEAL WORK AREAS FROM OCCUPIED AREAS TO PREVENT INJURIES, SPREAD OF DUST AND DIRT AND UNAUTHORIZED ACCESS. PROVIDE FIRE EXTINGUISHERS IN THE WORK AREA. PROVIDE LIGHTING AND SIGNAGE AS REQUIRED.



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GENERAL ELECTRICAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL CODES IN FORCE AT THE TIME OF BIDDING, INCLUDING, BUT NOT LIMITED TO, THE INDIANA CONSTRUCTION RULES AND NATIONAL ELECTRICAL CODE.
- INSTALL A SEPARATE GROUNDING CONDUCTOR, INSULATED GREEN, IN ALL CONDUITS. WHERE WIRING COUNTS ARE INDICATED ON DRAWINGS, THESE WIRING COUNTS EXCLUDE THE GROUNDING CONDUCTOR, HOWEVER, GROUNDING CONDUCTOR IS REQUIRED.
- MAINTAIN ACCURATE RECORDS OF ALL CHANGES MADE DURING CONSTRUCTION. PROVIDE A NEATLY MARKED SET OF BLUEPRINTS TO THE ENGINEER/ARCHITECT AT COMPLETION OF THE PROJECT, INDICATING ALL FIELD CHANGES.
- INCREASE BRANCH CIRCUIT CONDUCTORS TO ACCOMMODATE FOR VOLTAGE DROP. 120V CIRCUITS OVER 100' SHALL BE #10 AWG MINIMUM. 277V CIRCUITS OVER 250' SHALL BE #10 AWG MINIMUM.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES. CONTRACTORS TO CORRELATE LOCATIONS OF LIGHTING. DISCONNECT SWITCHES, AND CORD REELS, ETC.. WITH REFLECTED CEILING PLANS AS REQUIRED AND DIRECTED BY
- 6. ALL DEVICES, EQUIPMENT, FIXTURES, ETC., MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT AND LOCATE DISCONNECT SWITCHES IN ACCORDANCE WITH THE N.E.C.
- REFER TO MECHANICAL SPECIFICATIONS, HVAC PLANS AND PLUMBING PLANS FOR ADDITIONAL ELECTRICAL WORK AND INCLUDE ALL COST IN BASE BID
- REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS BY THIS CONTRACTOR.
- 10. UNLESS OTHERWISE NOTED, ALL DEVICE ELEVATIONS REFER TO CENTER OF OUTLET BOX. (SEE SPECIFICATIONS.) THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL OUTLET LOCATIONS WITH OTHER TRADES.
- 11. ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8" MINIMUM.
- 12. PROVIDE "SEAL OFFS" WHERE PIPING PASSES THROUGH DIFFERENT AMBIENT TEMPERATURES AND/OR HAZARDOUS AREAS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CUTTING AND PATCHING REQUIRED FOR THE PROPER INSTALLATION, SUPPORT, OR ANCHORAGE OF ELECTRICAL EQUIPMENT. THE E.C. SHALL LAYOUT CAREFULLY IN ADVANCE WHERE CUTTING, CHANNELING OR DRILLING IS NECESSARY FOR THE PROPER COMPLETION OF ELECTRICAL WORK. COORDINATE WITH OTHER TRADES AS REQUIRED.
- 15. CONNECTION OF BUILDING GROUNDING SYSTEM TO FOUNDATION STEEL SHALL BE DOCUMENTED WITH PHOTOGRAPHS AND ENGINEER/ARCHITECT SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO POURING CONCRETE TO ALLOW VERIFICATION.

TOXALERT CM203 (OR

ELECTRICAL LEGEND

ABOVE FINISHED GRADE A.F.F. ABOVE FINISHED FLOOR **CONDUIT** C.B. CIRCUIT BREAKER COMB. COMBINATION DISC. DISCONNECT ELECTRICAL CONTRACTOR/TRADE GENERAL CONTRACTOR/TRADE H.O.A. HAND OFF AUTOMATIC LC-X LIGHTING CONTACTOR MFG'R. MANUFACTURER MECHANICAL CONTRACTOR/TRADE OVERLOAD **PHOTOCELL** RCPT. RECEPTACLE **WEATHERPROOF** SINGLE POLE SWITCH THREE-WAY SWITCH

BUSSMAN BOX COVER FUSED SWITCHED ••• PUSHBUTTON DOOR CONTROLLER

> DEVICE WITH INTEGRAL GROUND FAULT CURRENT PROTECTION. DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT INTERRUPTER PHOTOCELL, TORK MODEL 2001 (OR EQUAL)

CARBON MONOXIDE SENSOR TOXALERT MODEL CM203 W/ CMP12U POWER SUPPLY (OR EQUAL)

MOTOR LOCATION

HEAVY DUTY DISCONNECT SWITCH. 30A OR AS INDICATED. 4 CONTROL/POWER CONNECTION

MOTORIZED DAMPER POWER CONNECTION JUNCTION BOX

SURFACE MOUNTED PANELBOARD

"A", "B-B" = LIGHT FIXTURE TYPE FROM SCHEDULE B1 = PANEL AND CIRCUIT NUMBER e = SWITCH CONTROL

WIRE AND CONDUIT SIZE OTHER THAN MINIMUM SPECIFIED. - CONDUIT SIZE - WIRE SIZE

CONDUIT AND WIRE

-NUMBER OF WIRES

CONDUIT AND WIRE RUN TO BE CONTINUED ON THE DRAWING OF ADJACENT AREAS.

HOME RUN TO PANELBOARD. A 1,3 = PANELBOARD "A", CIRCUITS 1 AND 3, THREE CROSS LINES = 3 WIRES. UNLESS OTHERWISE NOTED, THE CONDUIT AND WIRE SIZES ARE THE MINIMUM AS REQUIRED BY THE SPECIFICATIONS. LONG CROSS LINE = NEUTRAL.

REFER TO BUILDING SECTIONS ON SHEET A-3 FOR LIGHT FIXTURE MOUNTING HEIGHTS. 2. DOOR OPERATOR DISCONNECT SWITCH. INSTALL ADJACENT TO DOOR OPERATOR.

COORDINATE EXACT LOCATION IN FIELD. 3. SEE CO SENSOR/EF CONTROL WIRING DETAIL ON SHEET E-2 FOR ADDITIONAL INFORMATION.

EQUAL) STAND ALONE CO _FAN CONTROL PANEL SENSOR WITH ALARMS (NEMA 1 ENCLOSURE WITH AND AUXILIARY RELAYS MANUAL OVERRIDE BACKPLATE, IN-LINE FUSE, SWITCH WITH XFRMR, AND RELAY) BY TOXALERT (OR EQUAL) INTEGRAL TIMER. SIDE MOUNT IN NEMA 1 CMP12U PWR SUPPLY -ENCLOSURE. SQUARE D 8501C06V14 (FACTORY INSTALLED) RELAY EXHAUST FAN EF-1 - EXHAUST LOUVER +12 V INTAKE LOUVER GND 150 VA IN-LINE CONTROL CONTACTS DRY N.O. XFRMR RATED 2A @ 120VAC 120V/24V

SEQUENCE OF CONTROL: R1 OF THE CARBON MONOXIDE SENSOR AUX. RELAY SHALL CLOSE ACTIVATING RELAY IN EXHAUST FAN CONTROL PANEL. WHEN ACTIVATED THIS RELAY SHALL ACTIVATE THE EXHAUST FAN AND MOTORIZED INTAKE AND EXHAUST LOUVERS.

ALL LAMPS TO BE MANUFACTURED BY GE, OSRAM/SYLVANIA, OR PHILIPS.

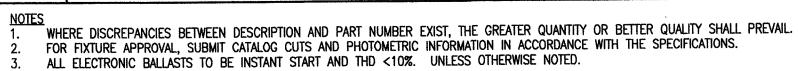
CO SENSOR/EF CONTROL WIRING DETAIL

NOT TO SCALE

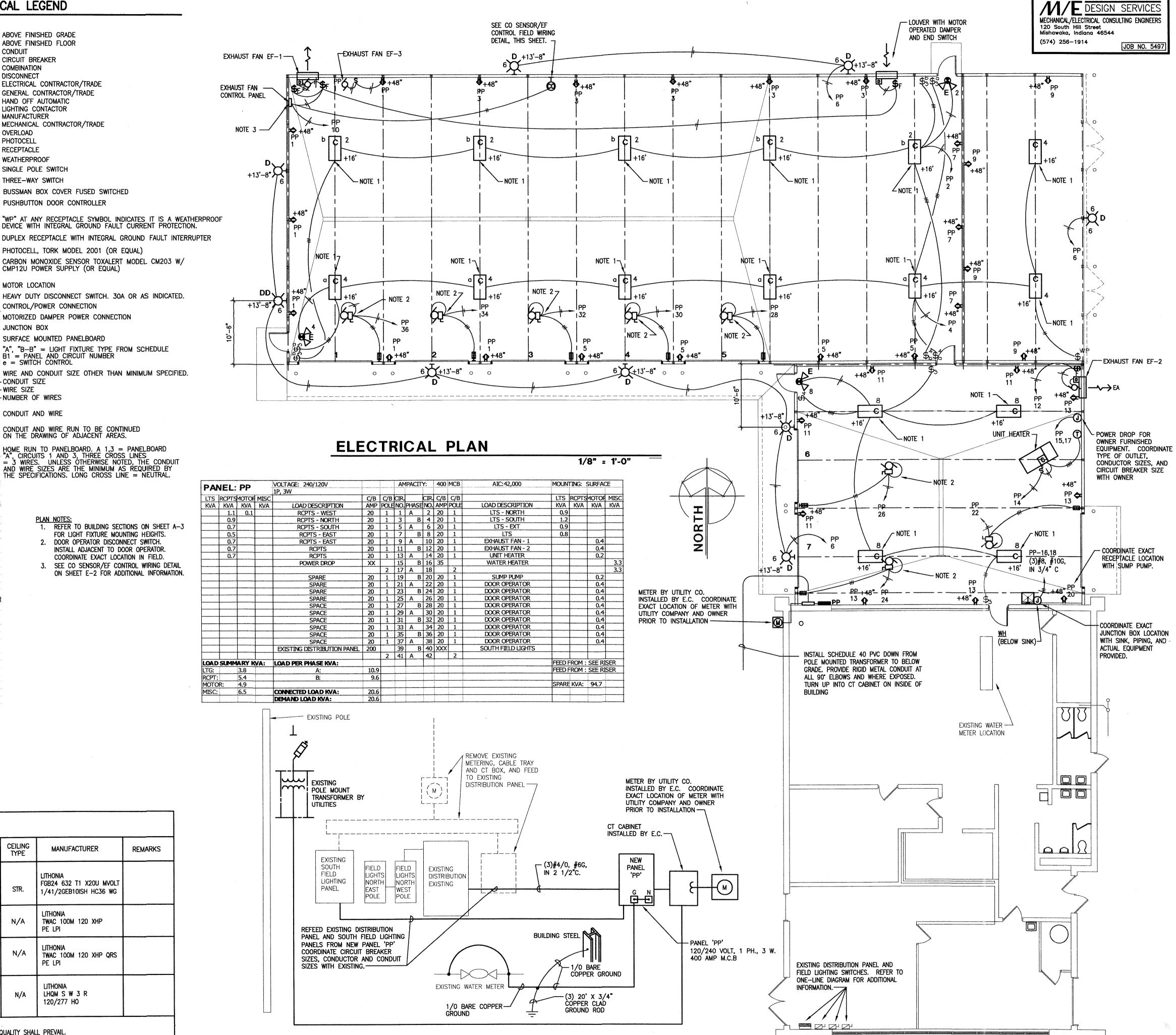
120VAC 60Hz

POWER IN

LIGHTING FIXTURE SCHEDULE CEILING TYPE MANUFACTURER REMARKS MOUNTING DESCRIPTION SYMBOL # TYPE HI-BAY FLUORESCENT FIXTURE, STEEL HOUSING, WHITE FINISH, CEILING SPECULAR ALUMINUM REFLECTOR, 1 (4) LAMP BALLAST, 1 (2) 4100K FGB24 632 T1 X20U MVOLT MOUNTED STR. LAMP BALLAST, CHAIN HANGER, AND WIREGUARD, INSTANT INSTANT 1/41/2GEB10ISH HC36 WG START START ELECTRONIC COLD WEATHER BALLAST XTERIOR HID WALL PACK FIXTURE, ALUMINUM HOUSING, TWAC 100M 120 XHP POLYCARBONATE LENS, PULSE START BALLAST, FINISH TO MOUNTED BE SELECTED BY ARCHITECT, PHOTOCELL CONTROL. EXTERIOR HID WALL PACK FIXTURE, ALUMINUM HOUSING, POLYCARBONATE LENS, PULSE START BALLAST, FINISH TO TWAC 100M 120 XHP QRS M.H. MOUNTED BE SELECTED BY ARCHITECT, COLD WEATHER BALLAST, QUARTZ RESTRIKE SYSTEM, PHOTOCELL CONTROL. COMBINATION EMERGENCY/EXIT LIGHT FIXTURE WITH UV 6W 120/ HALOGEN 277 LHQM S W 3 R WALL N/A STABILIZED POLYCARBONATE HOUSING, (2) ADJUSTABLE 120/277 HO HEADS AND MAINTENANCE FREE LEAD CALCIUM BATTERY. RED LED EXIT FACE.



ONE-LINE DIAGRAM NOT TO SCALE



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