DOT-200023 ODOT - EATON OUTPOST

5656 US-127 Eaton, Ohio 45320

PREPARED FOR:

Ohio Facilities Construction
Commission
and
Ohio Department of Transportation

PREPARED BY:

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MECHANICAL-ELECTRICAL-PLUMBING-FIRE PROTECTION ENGINEER

Veregy

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Paul J. Ford & Co.

CIVIL ENGINEER

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1495 Old Henderson Rd. Columbus, Ohio 43220 TEL: 614.459.6992 FAX:614.459.6987



ABBREVIATIONS GENERAL NOTES WRB WARDROSE WS WOOD SCREWS / WAT WSP WEATHERSTRIP WRS WELDED RESILIENT SI WSCT WAINSCOT WT WEIGHT WWF WOVEN WIRE FABRIC WWM WOVEN WIRE MESH WARDROBE WOOD SCREWS / WATERSTOP WEATHERSTRIP WELDED RESILIENT SHEET EXISTING EAST/ELEC. DUPLEX OUTLET OXYGEN CARBOGEN ON CENTER OUTSIDE DIAMETER (DIM) OWNER FURNISHED, CONTRACTOR INSTALLED OVERFLOW DRAIN OFFICE COMPRESSED AIR OUTLET SOAP DISPENSER / SOAP DISH ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE. DIMENSIONS IN ROOMS SECTION SQUARE FEET STRUCTURAL GLAZED FACING END GUARD EXTERIOR INSULATION & FINISHING SYSTEM EXPANSION JOINT ELEVATION (GRADE) EXAM LIGHT SWITCH STIC CEILING TILE SGFT TILE SHOWER SHOWER SHEET SIMILAR SINK / SKETCH SHORT LEGS BACK TO BACK SEALER SHORT LEG VERTICAL SMOKE PARTITION SHEET METAL SCREW(S) SANITARY NAPKIN SANITARY NAPKIN SHOW MC SANITARY NAPKIN SANITARY NAPKIN HP SHAPE SHAPE C MC MISCELLANEOUS CHANNEL HP SHAPE OFFICE OWNER FURNISHED, OWNER INSTALLED OVERHEAD / OVERHANG / OVAL HEAD ALL EXTERIOR DIMENSIONS ARE TO FACE OF FOUNDATION UNLESS NOTED OTHERWISE EXAM LIGHT SWITCH LECTRIC(AL) LEVATOR / ELEVATION LIMINATE ENAMEL(ED) ENTRY MAT EMERGENCY ENCLOSURE ENGINEER ENTRANCE AIR HANDLER UNIT OVAL HEAD SCREW OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OHS OHMS OHWS OLS OPER OPN(G) OPP W SHAPE S SHAPE M SHAPE AMERICAN STANDARD CHANNE MISCELLANEOUS CHANNEL HP SHAPE ENAM EM EMER ENCL ENGR ENTR EPCMU EPGWB EPNT EPVP HEATING AND VENTILATING HEATING, VENTILATION, AIR CONDITIONING HOT WATER HIGHWAY HYDRANT OVAL HEAD WOOD SCREW OVERBED LIGHT SWITCH OPERATING OPEN(ING) OPPOSITE OPERATING ROOM ORTHOPEDIC OCCUPATIONAL THERAPY OLINCE CCESS PANEL / ACOUSTIC SANITARY NAPKIN RECEPTACLE ARCHITECT(URAL) ABOVE REFERENCE FLOOR ASPIRATOR STRUCTURAL TEE CUT FROM W TANDPIPE / SHEAR PLATE :PECIFICATION / SPECIFIED PEAKER SHAPE STRUCTURAL TEE CUT FROM S ASPIRATOR ASPIALT(IC) ASSISTANT ASTRAGAL ASSEMBLY AUTOMATIC AUXILIARY AUDIO-VISUAL AVENUE AVERAGE INTENSIVE CARE UNIT INSIDE DIAMETER (DIM) STRUCTURAL TEE CUT FROM M SPECIAL SPRINKLER / SINGLE PLY ROOF MT QUIPMENT MERGENCY SHOWER STIMATE(D) THAT IS INVERT ELEVATION INSULATING GLASS INSULATED METAL PANEL QUARE (HEAD) PLATE STRUCTURAL TUBING PAINT PUBLIC ADDRESS PARAGRAPH / PARAPET PASSENGER PATIENT PATTERN(S) TIME (CLOCK) Y TERRAZZO STATION SOUND TRANSMISSION COEFFICIENT (CLASS) STANDARD STIFFENER H WAY CTRIC WATER COOLER EXAMINATION / EXAMINATING EXCAVATED / EXCAVATION / EXCAVATE BALANCE BOTTOM OF CURB / EXPANSION TRUCTURAL SUBFLOOR(ING) SÜBFLOOR(ING) SUPPLY SUPPORT / SUPPLEMENT(AL) SURFACE SURGERY / SURGICAL SUSPEND(ED) STAIN AND VARNISH SYMMETRIC(AL) SYNTHETIC SYSTEM SURFACED ONE SIDE SURFACED FOUR SIDES DLATED POWER PANEL BLOCKING BOULEVARD BENCH MARK / BEAM FORMED FINISHES FOR CONCRETE: ROUGH FORM FINISH SMOOTH FORM FINISH TEXTURED FINISH RUBBED FINISH EXPOSED AGGREGATE FINISH SAND BLAST FINISH TOOLED FINISH PLATE GLASS PEGBOARD PAINTED GYPSUM WALL-OTTOM BLOOD PRESSURE CUFF REGULATORY APPROVALS HAVE BEEN ISSUED. BUILDING PERMIT WILL BE OBTAINED BY THE OWNER. BOARD PHASE / PAN HEAD BASEMENT BRITISH THERMAL UNIT BETWEEN PLATE / PROPERTY LINE ASTIC LAMINATE ASTER ULLETIN UILT-UP ROOF(ING) PLUMBING POUNDS PER LINEAR FOOT PLYWOOD PNEUMATIC PANEL (ING) PAINT(ED) POLISH(ED) FIRE ALARM FABRICATE / FABRICATOR / FABRIC FACILITY TOP / TREAD / TELEPHONE TOP AND BOTTOM TOWEL BAR TOP OF CURB / TOP OF CONCRETE KNOCK OUT KICK PLATE KIPS PER SQUARE INCH KILOWATT(S) FLAI BAR FAN COIL UNIT FLOOR DRAIN FOUNDATION FIRE DEPT. VALVE FIRE DEPT. VALVE CABINET CABINET CAPACITY CATCH BASIN / CODE BLUE CHALK BOARD POLISH(ED) POCISH(ED) PORTABLE PUSH PLATE PUSH/PULL PAIR / PRINTER / COMPUTER PRINTER PREFABRICATED PRESSURE PROJECT(ION) PROPERTY PROTECT(IVE) (ION) POUNDS PER SQUARE INCH POINT / PNEUMATIC TUBE PAPER TOWEL DISPENSER COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE PARTITION POLISH PROFERENCE CONCRETE TELEPHONE TEMPERATURE / TEMPERED / TEMPERATURE / TEMPERED / TEMPERATURE / TEMPERED / TEMPERED GLASS TONGUE AND GROOVE TEMPERED HARDBOARD TERMO THERMOSTAT(IC) THK THICK (NESS) THRS THRESHOLD THRU TKBD TACK BOARD TOIL TOP TOPPING FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FACTORY FINISH(ED) LEAD LABORATORY LAMINATE LAVATORY POUND(S) / LAG BOLT(S) LABEL LUMBER LINEAL FOOT / LINEAR FEET LEFT HAND LEFT HAND LEFT HAND REVERSE LINE ISOLATION MONITOR LINEAR LINEAR LINEAR LINEAR ACCELERATOR LOCKER LONG LEG BACK TO BACK ORONARY CARE UNIT EMENT PLASTER FIRE HOSE CABINET LBL FIRE HOSE AND EXTINGUISHER LBR CABINET FLAT HEAD MACHINE SCREW FLAT HEAD SCREW FLAT HEAD WOOD SCREW FURNISHED AND INSTALLED BY CONTRACTOR TOPPING TOP OF STEEL TOILET PAPER DISPENSER PARTITION PAPER TOWEL RECEPTACLE POLYVINYL CHLORIDE PAVEMENT FINISH(ED) FURNISHED AND INSTALLED BY OWNER PROTECTIVE WALL COVERING POWER PAINTED VENEER PLASTER FURNISHED AND INSTALLED BY VENDOR CONTROL JOINT CENTER LINE / CLEARANCE / FL FLOOR / FLOOR LINE LIGHTING LIGHTWEIGHT UNFORMED FINISHES FOR CONCRETE: MONITOR (OUTLET) MEDICAL AIR MACHINE MAINTENANCE MASONRY MATERIAL MAXIMUM MACHINE BOLT / MARKER BOARD MARBLE MEMBER MEDICINE CABINET MODULAR CPT (CARPET TILE) MEDIUM DENSITY FIBERBOARI MEDIUM DENSITY OVERLAY MECHANICAL PENETRATION TROWELED LIGHT TROWELED TROWELED AND BROOMED BROOM LIGHT BROOM BEI T CARBON DIOXIDE COLUMN COMBINATION / COMBUSTIBLE COMMUNICATION COMPRESS (ED) (ION)/ COMPOSITE (ION) COMPOSITE (ION) FREQ COMPOSITE (ION) FRT FS FT FEET PER MINUTE FEET PER SECOND RADIUS / RISER / RESILIENT RADIATOR / RADIATION / ESILIENT BASE ROOF DRAIN / ROAD DRY SHAKE EXPOSED AGGREGATE COMPOSITE (ION) CONCRETE CONDUIT / CONDITION CONFERENCE CONNECT(TION) CONSTRUCTION CONTINUE / CONTINUOUS CONTRACTOR CONVECTOR CONVECTOR CORRIDOR COAPPET ÓÖTING FURRING FUTURE: WORK TO BE PERFORMED LATER ECEIVING ECEPTACLE / RECEPTION UNDER COUNTER UNDERGROUND UNIT HEATER UNDERWRITERS LABORATORIES UNFINISHED UNLESS NOTED OTHERWISE URINAL ULTRASONIC TEST(ING) UTILITY EFERENCE / REFRIGERATOR EFRIGERATOR EGULATOR / REGLET / EGISTER FXD FIXED MECHANICAL MEDICAL / MEDIUM METAI REINFORCE(D) (ING) (MENT) TYPICAL GLAZING ABBREVIATIONS: ESILIEN (EQUIRE(D) RETURN REVERSED / REVISED / ULTRAVIOLET CHEMICAL RESISTIVE CATHODE RAY TUBE IG COUNTERSINK / COUNTERSUNKG CASEWORK CERAMIC TILE CENTER G VOLTS / VACUUM (OUTLET) VACUUM VAPOR VARIABLE / VARNISH / VARIES VARIABLE AIR VOLUME VACUUM BREAKER / VAPOR BAPPIER RADIO FREQUENCY RADIO FREQUENCY ROOFING OVAC ROUND HEAD / RIGHT HAND VAP ROUND HEAD MACHINE SCREW VAP RIGHT HAND REVERSE ROUND HEAD SCREW ROUND HEAD WOOD SCREW ROOM LIGHT SWITCH ROOM ROOM VAP VB ROOM ROOM VB ROOM LAMINATED GLASS MIR GAS OUTLET / GROUND (JACK) MISC GAUGE / GAGE GALLON MMB GALVANIZED MO GRAB BAR GENERAL CONTRACTOR GENERAL / GENERATOR GLASS FIBER REINFORCED CONCRETE GLASS FIBER REINFORCED MS MS MNT(D) VENTILATION / VENTILATE / MAGNETIC RESONANCE IMAGER DEEP PENNY (NAILS) IMAGER MACHINE SCREW) MOUNT(ED) MOUNTING / MEETING MOTOR MULLION DIRECT CURRENT DOUBLE DOUBLE EGRESS DEGREE(S) DEMOLISH / DEMOLITION DEPARTMENT DRINKING FOUNTAIN DETAIL DIAMETER DIAGONAL DIFFUSER DIMENSION DIRECTOR(S) / DIRECTORY DISPENSER DIVISION / DIVIDER DOWN DITTO / DOOR OPENING T CURRENT RESILIENT SHEET ROD & SHELF RESILIENT TILE RETURN RAIN WATER LEADER PLASTER GLASS / GLAZING / GLAZED GLUE LAMINATED GLAZED MASONRY UNIT GOVERNMENT GOVERNMENT GALLONS PER HOUR GALLONS PER MINUTE GALLONS PER SECOND GRANITE GYPSUM WALLBOARD GYPSUM WATTS WIDE /WEST /WASTE /WATER WITH SOUTH / SUPPORT SOUND ABSORPTION BATT SCD SEAT COVER DISPENSER SCGWB SPECIAL COATING ON GYPSUM WALLBOARD SCHOOL SCHED SCHEDULE SYMBOL LEGEND WORK POINT/ SPOT ELEVATION SECTION OR ELEVATION REFERENCED TO DRAWINGS CODED NOTE DOOR & FRAME INDICATOR. 5656 US-127 Eaton, Ohio SEE DOOR SCHEDULE DETAIL REFERENCED TO DRAWINGS WINDOW INDICATOR.

INTERIOR ELEVATION

REFERENCED TO DRAWINGS

FLOOR ELEVATION

SEE WINDOW SCHEDULE

INTERIOR WALL TYPE INDICATOR.

COLUMN LINE

REVISION

LOCATION MAP

45320

CODE INFORMATION

- ALL DIMENSIONS MUST BE FIELD VERIFIED AND THE A/E MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
- WITH TILE WALLS ARE TO FACE OF BACKER BOARD UNLESS NOTED OTHERWISE.
- COORDINATE LOCATIONS AND/OR ELEVATIONS OF FLOOR DRAINS, REGISTERS, GRILLES, LOUVERS, CONVECTORS, CABINET UNIT HEATERS, PANELS, ETC. WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- ALL DIMENSIONS AND TIE-INS GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTORS PRIOR TO THE PREPARATION OF SHOP DRAWINGS AND BEFORE PROCEEDING WITH ANY WORK. THE FIRST SUBMITTAL OF SHOP DRAWINGS MUST CONTAIN CORRECT CONDITIONS AND DIMENSIONS OBTAINED FROM THE FIELD. IF CONDITIONS AND DIMENSIONS VARY GREATLY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE A/E BEFORE PREPARATION OF SHOP DRAWINGS, AND BEFORE PROCEEDING
- COORDINATE FLOOR AND WALL PENETRATIONS WITH ALL TRADES INVOLVED. PROVIDE STEEL FRAMES, SLEEVES, LINTELS, AND SIMILAR ENCLOSURES REQUIRED AROUND PENETRATIONS IN MASONRY OR CONCRETE WALLS AND FLOORS. FIRE SEAL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION WITH UL
- CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS, APPROVALS AND GUIDELINES FROM GOVERNING REGULATORY AGENCIES. CONSTRUCTION WORK WILL NOT PROCEED UNTIL ALL REQUIRED
- CONSTRUCT PARTITIONS IN ACCORDANCE WITH PLANS, PARTITION TYPES, SPECIFICATIONS, AND OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALSO COORDINATE WITH OTHER CONTRACTORS' REQUIREMENTS.
- IF EQUIPMENT IS RECESSED IN A FIRE-RESISTANT RATED WALL, MAINTAIN THE RATING OF THE WALL AROUND THE RECESSED EQUIPMENT IN ALL CASES.
- CEILING HEIGHT(S) NOTED ON DRAWINGS FOR ROOMS OR AREAS IS THE HEIGHT FROM FINISHED FLOOR SURFACE TO FINISHED CEILING. WHERE NO FINISHED CEILING IS CALLED FOR, THE CEILING HEIGHT(S) NOTED IS THE MINIMUM REQUIRED HEADROOM CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE (LOW POINT) OF PIPES, DUCTS, CONDUITS, LIGHT FIXTURES, AND SIMILAR EXPOSED OR SUSPENDED ITEMS OR EQUIPMENT.
- PROTECT ALL CONSTRUCTION, UTILITIES, AND FACILITIES, ANY AND ALL DAMAGE DURING CONSTRUCTION AND/ OR DEMOLITION SHALL BE REPAIRED TO MATCH THE EXISTING AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE WILL BE RESPONSIBLE FOR THE COST OF REPAIR.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIE DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ARCHITECT / ENGINEER HAS NO EXPERTISE IN AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND / OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES
- IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ARCHITECT / ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE CONSTRUCTION.
- EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE THIS INFORMATION WITH THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS IS TO BE BORNE BY THE APPROPRIATE CONTRACTOR REQUIRING THE REVISION.
- GOVERNING CODE: OHIO BUILDING CODE 2017.

APPLICABLE BUILDING CODE: 2017 OHIO BUILDING CODE 2017 OHIO MECHANICAL CODE 2017 OHIO PLUMBING CODE 2017 ICC A117.1 NFPA 70: NATIONAL ELECTRIC CODE ASHRAE 90.1

USE GROUPS: B – Business S2 – Storage

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY:

406.4 Public Parking Garages 404.4.6 Mixed Occupancy Separation per OBC 508.1

Use Group B – 726 sf. / 9,000 sf. Allowable

BUILDING HEIGHT: 29'-6" (40' Allowable)

NUMBER OF STORIES: 1 (2 Stories Allowable)

BUILDING AREA:

Use Group S2 – 8,678 sf. / 13,500 sf. Allowable 726 sf. / (726 sf. + 8,678 sf.) = .077 Use Group B = 7.7% of Overall Floor Area 7.7% < 10% - Use Group B = Accessory Occupancy (508.2.3) 508.2.4 – No separation is required between Accessory Occupancies and the Main Occupancy.

CONSTRUCTION TYPE: VB

Primary Structural Frame Exterior Bearing Walls Interior Bearing Walls Non-Bearing Walls + Partitions 0 HR Floor Construction Roof Construction

FIRE-RESISTANCE OF EXTERIOR WALLS BASED ON SEPARATION DISTANCE: Existing storage shed to remain: Construction Type VB, Use Group S-2 Table $602 - 10 \le x \le 30 = 0 \text{ HR}$ $x \ge 30 = 0 HR$

INTERIOR FINISHES: Table 803.11 = Class B (Most Restrictive)

FIRE PROTECTION SYSTEMS: 903.2.10 – Area does not exceed 12,000 sf. and is not located beneath other

groups. Stored vehicles do not meet definition of commercial motor vehicles.

FIRE SUPPRESSION: Not Required

FIRE ALARM: Not Required 907.2.2 Group B – Occupant Load < 100

OCCUPANT LOAD:

Use Group B - 726/100 = 6 Use Group S2 - 8,678/200 = 42

TOTAL CALCULATED: 48 ACTUAL OCCUPANT LOAD: 12

MEANS OF EGRESS:

1006.3.2. Max Common Path of Egress – 75 ft. 1017.2 Exit Access Travel Distance – 200 ft. (B – Most Restrictive)

PLUMBING FIXTURE REQUIREMENTS:

Use Group B requires: 1 Water Closet per 50 Occupants (8/50) = .16 male / .16 female 1 Lavatory per 80 Occupants (8/80) = .1 1 Drinking Fountain per 100 Occupants (8/100) = .08 0 Service Sink *Per Section 410 of the Ohio Plumbing Code, business

sinks shall not be required. Use Group S2 requires:

1 Water Closet per 100 Occupants (18/100) = .18 male / .18 female 1 Lavatory per 100 Occupants (18/100) = .01 1 Drinking Fountain per 1000 Occupants (18/100) = .18

occupancies with an occupant load of 15 or fewer, service

1 Service Sink

Cumulative Building Requirement Water Closets (.16+.18 = .34) = 1 male/1 female required *Per OPC 2902.2, Exception 2: Separate facilities shall not be required in structures or tenant spaces with a total occupant load of

*Per Section 410 of the Ohio Plumbing Code, where water dispensers are provided, drinking fountains shall not be required. 1 Service Sink

SHEET INDEX

COVER SHEET INDEX SHEET

SP-A-001

SITE AND SITE ACCESSORIES:

EXISTING SITE SURVEY C-200 SITE DEMOLITION PLAN C-300 SITE DIMENSION PLAN C-400 SITE GRADING & STORM WATER PLAN C-401 STORM SEWER OUTLET PLAN & PROFILES C-500 **GENERAL NOTES & SITE DETAILS** C-501 SITE DETAILS (CONT.) PSU PLUMBING SITE UTILITY PLAN ESU ELECTRICAL SITE UTILITY PLAN TECHNOLOGY SITE UTILITY PLAN

EXISTING BUILDING DEMOLITION PLAN

TRUCK STORAGE BUILDING:

A-CODE CODE PLAN A-100 FIRST FLOOR PLAN A-101 **ROOF PLAN** A-200 EXTERIOR ELEVATIONS A-300 SECTIONS A-400 ENLARGED FLOOR PLAN A-500` INTERIOR ELEVATIONS A-501 INTERIOR DETAILS A-600 REFLECTED CEILING PLAN A-800 EXTERIOR WALL SECTIONS A-801 **EXTERIOR WALL SECTIONS** A-900 **EXTERIOR DETAILS** A-901 EXTERIOR DETAILS A-1000 SCHEDULES GENERAL NOTES

S-002 **GENERAL NOTES & TYPICAL DETAILS** S-003 TYPICAL FOUNDATION DETAILS S-004 TYPICAL FRAMING DETAILS S-100 FOUNDATION PLAN S-200 ROOF FRAMING PLAN S-300 FOUNDATION SECTIONS S-400 FRAMING SECTIONS

PLUMBING LEGENDS PLUMBING UNDERSLAB PLAN P-101 FIRST FLOOR PLUMBING PLAN P-401 **ENLARGED PLUMBING PLANS** P-601 PLUMBING SCHEDULES & DETAILS P-901 PLUMBING STACKS H-000 HVAC LEGENDS

H-101 FIRST FLOOR HVAC PLAN **HVAC DETAILS** H-600 **HVAC SCHEDULES** ELECTRICAL LEGENDS FIRST FLOOR LIGHTING PLAN E-201

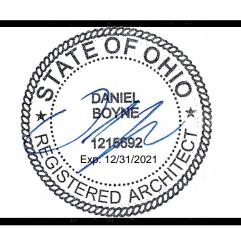
FIRST FLOOR POWER PLAN E-500 SINGLE LINE DIAGRAM E-501 ELECTRICAL PANEL SCHEDULES E-601 ELECTRICAL DETAILS

T-000 TECHNOLOGY LEGENDS T-001 TECHNOLOGY FACEPLATE DETAILS TECHNOLOGY DETAILS **TECHNOLOGY DETAILS** FIRST FLOOR TECHNOLOGY PLAN T-101



Jerome M. Scott **Architects**

1020 Goodale Blvd Columbus, Ohio 43212



DOT-200023 **ODOT - EATON** OUTPOST

5656 US-127 Eaton, Ohio 45320

1	12/17/2021	REVISION 1 PERMIT / BID SET
-	12/10/2021	BID SET
-	11/12/2021	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NO: **DOT-200023** 12/17/2021 MWM **DRAWN BY:**

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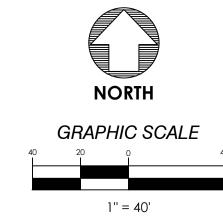
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SHEET TITLE

INDEX SHEET

A-INDEX



HELEN MARCUS ID: L38820230000005000 67.99 AC, (AUDITOR)



11-12-2021 Registered Engineer

1020 Goodale Blvd

Columbus, Ohio

43212

DOT-200023 ODOT - EATON OUTPOST

5656 US-127 Eaton, Ohio 45320

1	12/17/21	REVISION 1 PERMIT / BID SET
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EXISTING SITE SURVEY

SHEET TITLE

1495 Old Henderson Road Columbus, Ohio 43220 614-459-6992

507 Main Street Zanesville, Ohio 43701 740-450-1640

specifications & documents.

Know what's below.



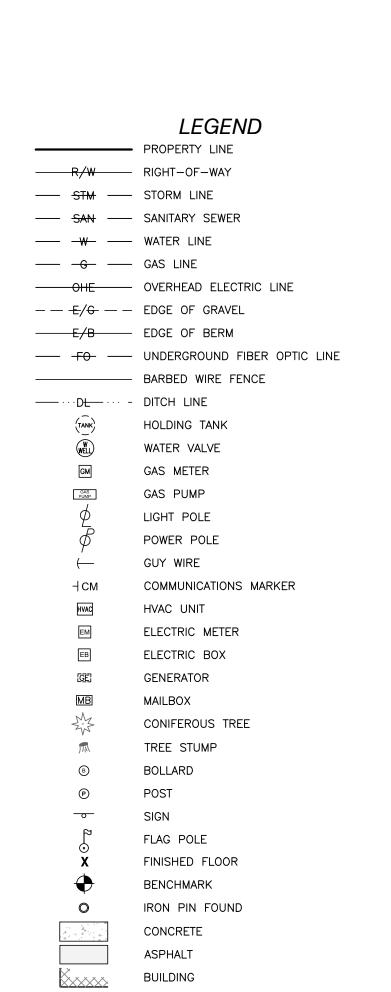
OFFICES

128 East Main Street

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Logan, Ohio 43138 740-385-2140

SD PROJECT NO. 4250



CONC. FENCE CORNER

∕12" CMP GATE \ 1101.67 ACCESS

0-00E/60-0920_0

TANK LID
HOLDING TANK
PB CONTROL

PIVOT GATE

ABBREVIATIONS CMP CORRUGATED METAL PIPE

1 STORY BLOCK OUTPOST BUILDING

DIESEL AND -GASOLINE TANK

METAL STAIRS / WITH LANDING

FFL ~ 1104.11

OHIO STATE DEPT/HWYS OUTPØST PID: L38820230000001000 5.057 AC. (AUDITOR)

BLOCK WALL

OVERHANG ~

CONDUIT(3)

FFL 1104.09

SANITARY STM STORM FFL FINISHED FLOOR TEMPORARY BENCHMARK IPF IRON PIN FOUND RBF REBAR FOUND

HORIZONTAL REFERENCE BASIS OF BEARINGS

DUANE C SMITH PID: L38820200000003000

82.43 AC, (AUDITOR)

METAL EQUIPMENT STORAGE BUILDING

✓ OVERHANG

HELEN MARCUS PID: L3882023000005000 67.99 AC, (AUDITOR)

- TBM 1 1105,29

BEARINGS ARE BASED ON THE OHIO STATE PLANE GPS OBSERVATION, REFERENCED TO THE ODOT VRS

TO THE ODOT VRS RTK NETWORK.

BENCHMARKS

BEING LOCATED ±75 FEET EAST OF THE AQUASALINA

BOUNDARY SURVEY PREPARED BY SANDS DECKER.

PANEL: 39135C0135D EFFECTIVE DATE: MARCH 2, 2010 0.2% ANNUAL CHANCE FLOODPLAIN.

COORDINATE SYSTEM - OHIO SOUTH ZONE (NAD83) BY NETWORK.

S 89°13'23" E 967.00'

1,099.05

WOOD SALT STORAGE

CONTROLS (3)

- AQUASALINA

N 89°13'23" W 967.00'

LAY DOWN AREA

CONC. SALT

BENCHMARK REFERENCE

ELEVATIONS DEPICTED ON THIS SURVEY ARE REFERENCED TO THE NAVD88 VERTICAL DATUM BY GPS OBSERVATIONS

ELEVATION = 1105.29BENCH TIE DRIVEN INTO THE SOUTH SIDE OF A POWER POLE LOCATED NEXT TO THE SOUTHWEST CORNER OF METAL EQUIPMENT STORAGE BUILDING.

ELEVATION = 1101.51MAG NAIL SET IN THE NORTH SIDE OF A POWER POLE LOCATED ON THE SOUTH SIDE OF THE PROPERTY ALSO

SURVEYOR'S NOTES

- BOUNDARY LINES ARE DEPICTED FROM RECORD LINES FOUND IN REFERENCES HEREON RECORDED AT THE PREBLE COUNTY RECORDER'S OFFICE AND DOES NOT REFLECT A

 FEMA INFORMATION ZONE X: AREAS DETERMINED TO BE OUTSIDE OF THE

UTILITIES

CONC. SALT

CONC. RETAINING WALL

REFUSE PILE

RBF ~ NO CAP

REFUSE PILE

--E/G

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, AND OTHER INFORMATION IS ONLY AS ACCURATE AS THE INFORMATION PROVIDED BY THE OWNERS OF THE UTILITY COMPANY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED, OR GUARANTEED TO BE COMPLETE OR

ACCURATE. THE FOLLOWING UTILITY OWNERS WERE CONTACTED AS LISTED BY OUPS CONFIRMATION TICKET A121502021:

CHARTER COMMUNICATIONS (MIKE BATH, CONSTRUCTION SUPERVISOR)

CENTURYLINK (CHRIS STRAYER, LEAD PROJECT MNGR.)

1-303-886-1299 DARKE RURAL ELECTRIC

1-614-827-7974

1-937-548-4114

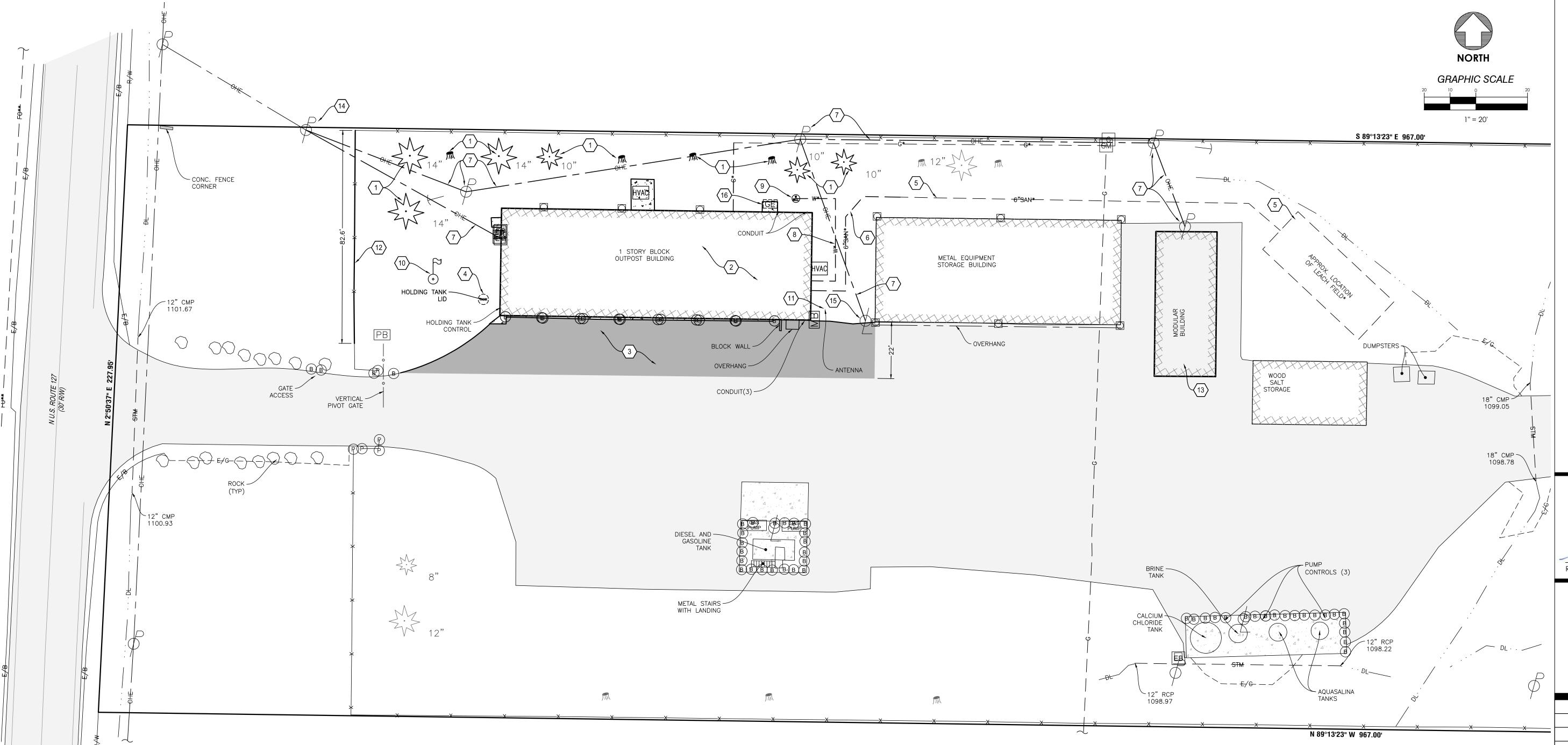
AES - FORMERLY DAYTON POWER & LIGHT 1-800-424-5578

INDEPENDENTS FIBER NETWORK

1-800-634-4032 CENTERPOINT ENERGY

1-800-227-1376

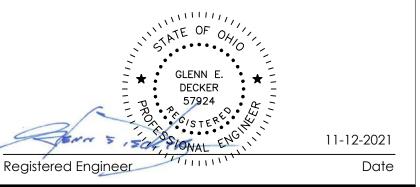
*DENOTES THE UTILITY LINE IS DRAWN FROM STATE OF OHIO HIGHWAY OUTPOST BUILDING PLOT PLAN (1963) **DENOTES THE UTILITY LINE IS DRAWN FROM GIS PLANS PROVIDED BY CENTURY LINK OUPS RESPONSE



ARCHITECTURE

Jerome M. Scott Architects

1020 Goodale Blvd Columbus, Ohio 43212



DOT-200023 ODOT - EATON OUTPOST

5656 US-127 Eaton, Ohio 45320

	•	DOT 200022
MARK	DATE	DESCRIPTION
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_		

 PROJECT NO:
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SHEET TITLE

740-385-2140 Old Henderson Road

128 East Main Street

Logan, Ohio 43138

1495 Old Henderson Road Columbus, Ohio 43220 614-459-6992

> 507 Main Street Zanesville, Ohio 43701 740-450-1640

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OFFICES

SITE DEMOLITION PLAN

C200

SD PROJECT NO. 4250

DEMOLITION KEYNOTES

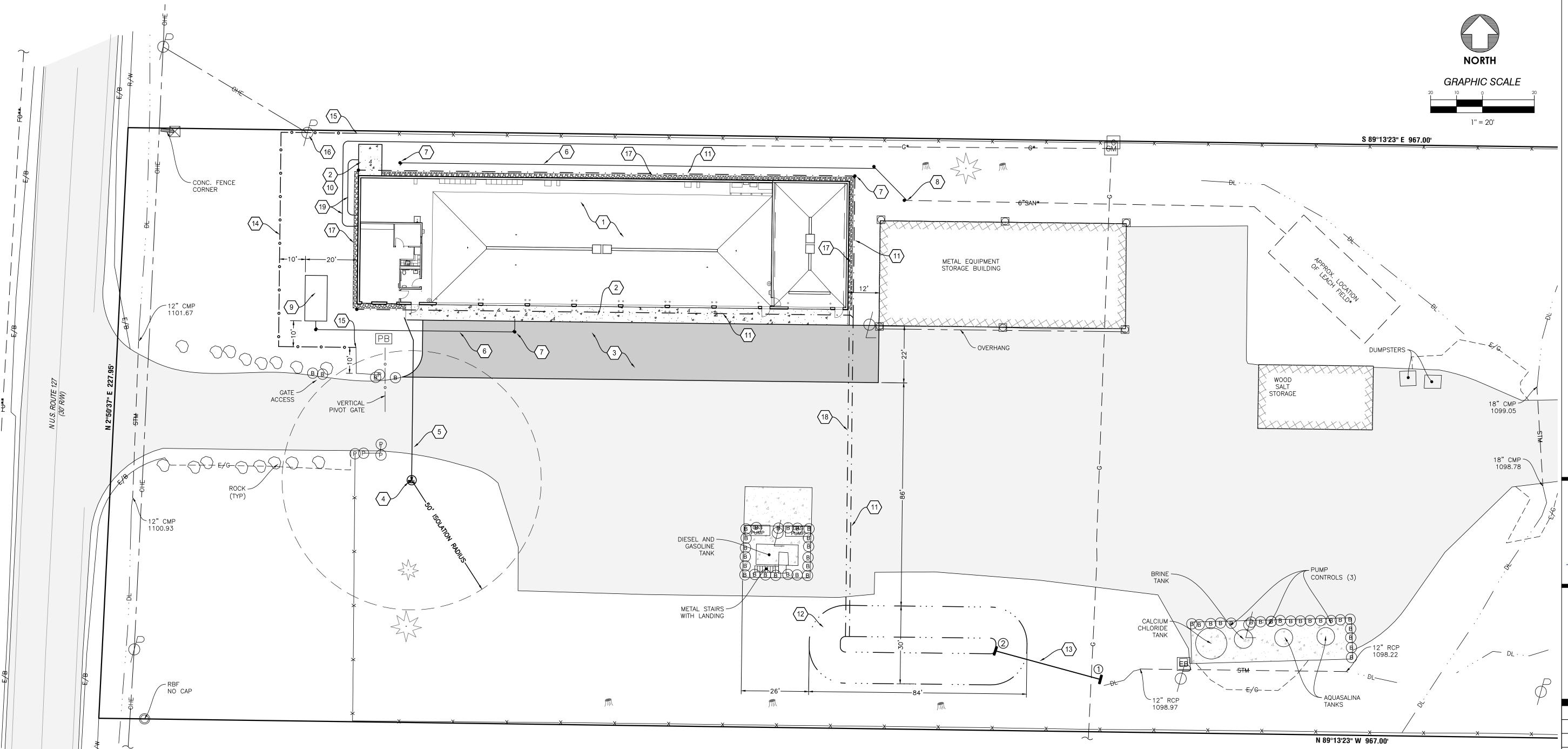
- STUMP OR TREE & STUMP TO BE REMOVED.
 BUILDING & APPURTENANCES INCLUDING DOWNSPOUTS, BOLLARDS, POSTS, MECHANICAL EQUIPMENT, PADS & UTILITY SERVICES TO BE REMOVED
- 3. ASPHALT PAVEMENT & BASE TO BE REMOVED
 4. 3500 GALLON PLASTIC UNDERGROUND HOLDING TANK TO BE REMOVED
 5. SANITARY SERVICES SE
- 5. SANITARY SERVICES, SEPTIC SYSTEM EQUIPMENT, TANKS & LEACH FIELD TO REMAIN FOR RECONNECTION TO NEW BUILDING SANITARY SERVICE
- 6. SANITARY SERVICE TO BE REMOVED. SEE SITE DIMENSION PLAN
- 7. POWER POLE, OVERHEAD/UNDERGROUND ELECTRIC SERVICES & EQUIPMENT TO BE REMOVED. SEE MEP PLANS
- 8. WATER SERVICE FROM WELL TO BUILDING TO BE REMOVED
- 9. WELL TO BE ABANDONED/SEALED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PREBLE COUNTY GENERAL HEALTH DISTRICT. SEALING THE EX. WELL MUST BE DONE PRIOR TO DRILLING NEW WELL, HOWEVER, BOTH ITEMS MAY BE PERFORMED UNDER THE SAME PERMIT. SEE SITE DIMENSION PLAN FOR ADDITIONAL INFORMATION.
- 10. FLAG POLE TO BE REMOVED
 11. ANTENNA TO BE REMOVED
- 12. CHAINLINK FENCE & POSTS TO BE REMOVED. SEE SITE DIMENSION PLAN
- 13. BUILDING & APPURTENANCES TO BE REMOVED BY OWNER
- 14. POWER POLE TO REMAIN. SEE MEP PLANS.
- 15. LIGHT POLE TO REMAIN. SEE MEP PLANS. 16. GENERATOR TO BE RELOCATED. SEE SITE
- 16. GENERATOR TO BE RELOCATED. SEE SITE
 DIMENSION & MEP PLANS

 17. CAS SERVICE TO BUILDING TO BE DEMOVED.
- 17. GAS SERVICE TO BUILDING TO BE REMOVED. SEE MEP PLANS.

MISC. NOTES

- ALL ITEMS NOTED FOR DEMOLITION SHALL BE REMOVED & DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL & LOCAL REGULATIONS, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE THE DISCONNECTION & REMOVAL &/OR ABANDONMENT OF EXISTING UTILITIES WITH THE MEP PLANS & APPROPRIATE UTILITY OWNERS AS NECESSARY & SHALL MEET ALL APPLICABLE FEDERAL, STATE & LOCAL CODES & REQUIREMENTS. ANY ABANDONED OR INACTIVE UTILITIES ENCOUNTERED ON—SITE, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE REMOVED TO THE PROPERTY LINE & CAPPED.
- THE REMOVAL OF ANY ITEMS WHICH HAVE
 IN-GROUND FOUNDATIONS, BASES OR FOOTERS OF
 ANY KIND SHALL INCLUDE COMPLETE REMOVAL OF
- SAID FOUNDATIONS.

 SEE SITE DIMENSION PLAN FOR ADDITIONAL INFORMATION.



SITE KEYNOTES

- OUTPOST BUILDING. SEE ARCHITECTURAL PLANS.
 FOR CONCRETE APRON/PAD DETAILS, SEE
- 3. HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL 4. WELL. SEE MISC. NOTES.

STRUCTURAL PLANS

- 5. 3" WATER SERVICE. COORDINATE CONNECTION TO BUILDING PLUMBING WITH MEP PLANS
- 6. 6" SANITARY SEWER SERVICE AT 2.08% MIN.
 COORDINATE INVERT & LOCATION OF BUILDING CONNECTIONS WITH MEP PLANS
 7. CLEANOUT, TYP. SEE DETAIL
- 8. FIELD VERIFY LOCATION & ELEVATION OF EX. SANITARY SERVICE & CONNECT TO NEW OUTPOST BUILDING SERVICE AS SHOWN.
- 9. 5000 GAL. HOLDING TANK. SEE DETAILS
- 10. RELOCATED GENERATOR
 11. 8" ROOF DRAIN COLLECTOR @ 0.8% MIN.
 COORDINATE CONNECTIONS TO BUILDING ROOF
 DRAINS/DOWNSPOUTS WITH ARCHITECTURAL & MEP
 PLANS. DISCHARGE TO DETENTION BASIN AS
 SHOWN.
- 12. STORM WATER DETENTION BASIN (QUANTITY
- CONTROL ONLY). SEE DETAILS

 13. STORM SEWER. SEE PROFILE
- 14. CHAINLINK FENCE. SEE DETAIL. 15. CONNECT TO EX. FENCE.
- 16. COORDINATE PLACEMENT OF FENCE AROUND EX.
- UTILITY POLE WITH OWNER.

 17. 18"W x 6"D NO. 4 OR NO. 57 WASHED STONE DRIP EDGE/MOW STRIP WITH 6 MIL BLACK WEED BARRIER & 3/16" X 5 1/2" INTERLOCKING ALUMINUM EDGING AT PERIMETER. EDGING SHALL BE INSTALLED WITH CONTINUOUS CORNERS & SECURED WITH MIN. 12" STAKES.
- 18. 4" FOUNDATION DRAIN OUTLET AT 1.2%±.
- DAYLIGHT TO DETENTION BASIN AS SHOWN.
 19. GAS SERVICE. SEE MEP PLANS.

MISC. NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE GROUND & REPORT ANY LAYOUT
- DISCREPANCIES IMMEDIATELY TO THE A/E.

 REFER TO THE ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUT. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL BUILDING CORNER LOCATIONS
- IN THE FIELD.
 DO NOT SCALE FROM THIS DRAWING. ALL WRITTEN DIMENSIONS SHALL GOVERN. REPORT ANY
- DISCREPANCIES IMMEDIATELY TO THE A/E.

 UNLESS OTHERWISE NOTED, FOR ALL CONCRETE PADS, APRONS & STOOPS, SEE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR DETAILS.
- CONTRACTOR SHALL PROVIDE A 75 GPM (MIN.) 3 PHASE WELL PUMP TO DELIVER 80 PSI (MIN.) TO THE BUILDING. A REGISTERED WATER SYSTEMS CONTRACTOR MUST OBTAIN A WELL PERMIT FROM THE PREBLE COUNTY GENERAL HEALTH DISTRICT PRIOR TO ANY DRILLING. ALL WORK RELATED TO THIS PERMIT MUST BE PERFORMED BY SAID CONTRACTOR & COORDINATED WITH THE HEALTH DISTRICT. A WATER SAMPLE IS REQUIRED AFTER THE WELL IS COMPLETE & CHLORINATED. IN ADDITION TO THE HEALTH DISTRICT, TESTING RESULTS SHOULD BE PROVIDED TO THE DESIGN ENGINEER TO DETERMINE IF TREATMENT OF ANY KIND WILL BE REQUIRED. SEE DEMOLITION PLAN FOR RELATED INFORMATION.
- TRENCH REPAIR FOR ASPHALT AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED PER THE HEAVY DUTY PAVEMENT DETAIL.





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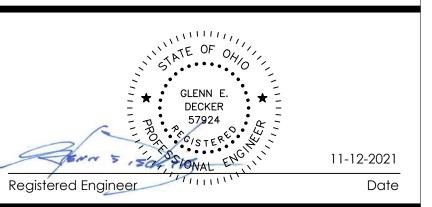
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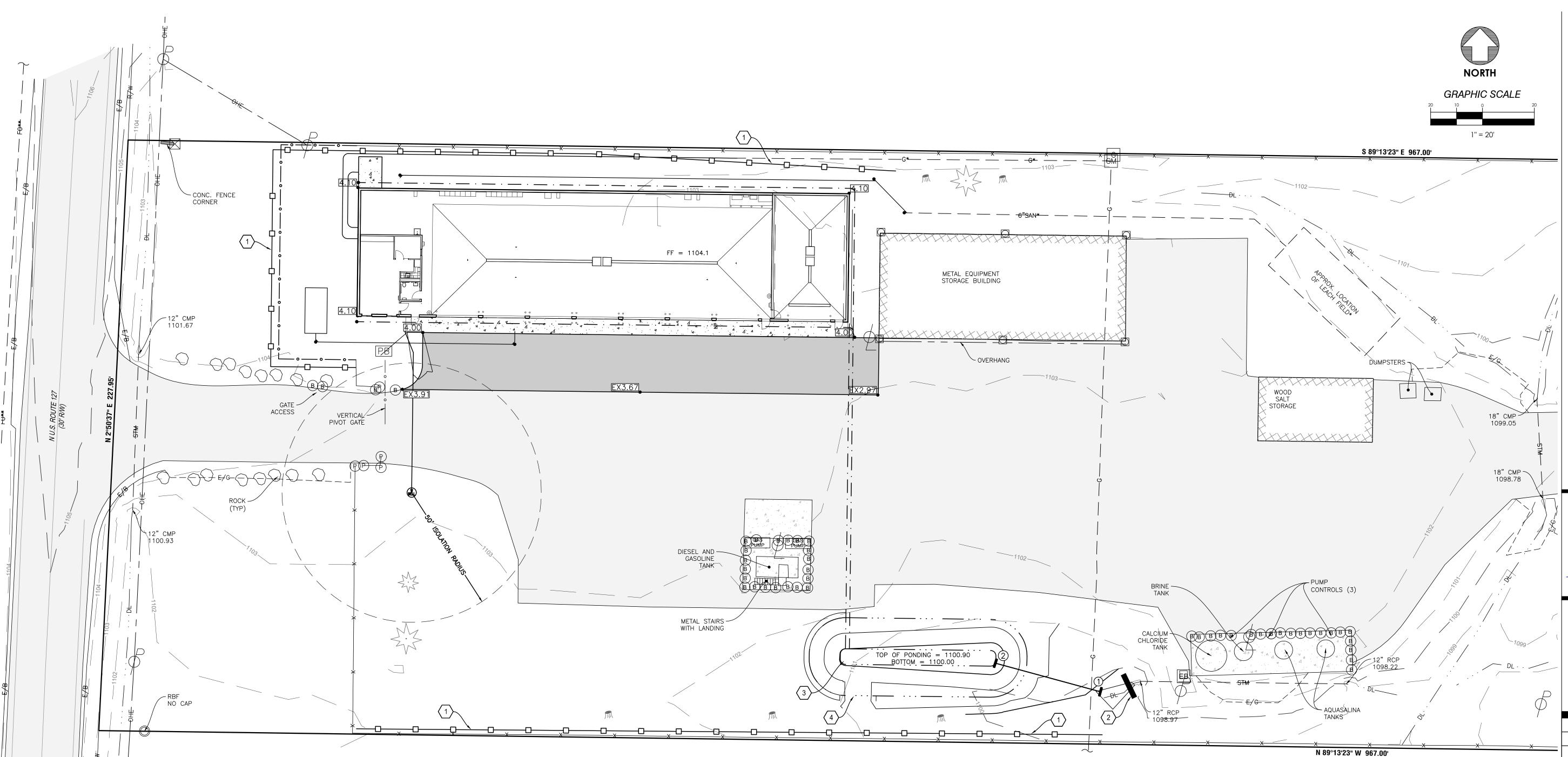
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SITE DIMENSION PLAN

C300

SD PROJECT NO. 4250





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Logan, Ohio 43138 740-385-2140 STORM WATER PLAN 1495 Old Henderson Road Columbus, Ohio 43220 614-459-6992

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SITE GRADING &

C400

SD PROJECT NO. 4250

GRADING KEYNOTES

- 1. SEDIMENT FENCE, TYP. SEE DETAIL
- 2. DITCH CHECK, TYP. SEE DETAIL
- 3. 4'W X 5'L X 18"D ROCK CHANNEL PROTECTION.
- SEE DETAIL 4. OVERFLOW WEIR. SEE DETAIL

PERIMETER CONTROLS & OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED WITHIN 7 DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

FOR DISTURBED AREAS THAT WILL LIE DORMANT FOR 1 YEAR OR MORE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF MOST RECENT DISTURBANCE.

FOR DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE & AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE.

FOR ANY OTHER DISTURBED AREAS AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

FOR DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE & NOT AT FINAL GRADE, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14

FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN 1 YEAR, & NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA. FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST 7 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).

FOR DISTURBED AREAS THAT WILL BE LEFT IDLE OVER WINTER. TEMPORARY EROSION CONTROLS SHALL BE APPLIED PRIOR TO ONSET OF WINTER WEATHER.

SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED FOR OVER 14 DAYS.

SEDIMENT BARRIERS: SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES. SHALL PROTECT ADJACENT PROPERTIES & WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED & SHALL BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL CONCENTRATED WATER SOURCES SHALL DISCHARGE INTO A VIABLE SEDIMENT BASIN.

SEDIMENT BASINS SHALL BE CLEANED OUT ANY TIME ACCUMULATED STORAGE REACHES THE SEDIMENT VOLUME ELEVATION AS INDICTED IN THE SEDIMENT BASIN CHART.

ALL WATER SOURCES SHALL DISCHARGE IN A NON-EROSIVE MANNER.

ALL SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES SUCH AS STRAW BALE DIKES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT

PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE ENGINEER, PROVIDES ADEQUATE COVER & IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY & TO SURVIVE ADVERSE WEATHER CONDITIONS.

1. DIVERSION SWALE & STRUCTURAL PROTECTION - INSPECT EVERY 15 DAYS OR AFTER EACH RAINSTORM PRODUCING RUNOFF. REPAIR AS REQUIRED.

2. INLET PROTECTION — INSPECT FOR SEDIMENT ACCUMULATION AFTER EACH RAINFALL & DAILY DURING CONTINUED RAINFALL. REPAIR OR REPLACE WHEN WATER FLOW IS RESTRICTED BY SEDIMENT.

3. VEGETATIVE PLANTING - INSPECT AFTER SPROUTING OCCURS & REPLANT BARE AREAS. INSPECT ESTABLISHED COVER EVERY 15 DAYS FOR DAMAGE. REPLANT AS REQUIRED. MAINTAIN ESTABLISHED COVER AT MAXIMUM 6" HEIGHT. IRRIGATE AS REQUIRED DURING DRY PERIODS TO MAINTAIN LIVE VEGETATION.

NON-SEDIMENT POLLUTANT CONTROLS: HAZARDOUS/TOXIC WASTES SHALL NOT BE DISPOSED OF ON-SITE OR DUMPED INTO SEWERS, DRAINS OR CATCH BASINS. ANY HAZARDOUS/TOXIC WASTE SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED LOCATION &/OR TAKEN TO AN APPROVED RECYCLING CENTER.

CONSTRUCTION SEQUENCE:

- 1. THE CONTRACTOR SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE. 2. THE CONTRACTOR SHALL PLACE THE REQUIRED SEDIMENT FENCE & OTHER CONTROLS PRIOR TO DENUDING.
- 3. THE CONTRACTOR SHALL PERFORM SITE EARTHWORK OPERATIONS IN ACCORDANCE WITH THE PLAN DETAILS & NOTES.
- 4. THE CONTRACTOR SHALL APPLY WATER OR DUST PALLIATIVE ON DISTURBED AREAS DURING CONSTRUCTION TO ALLEVIATE OR PREVENT DUST NUISANCE PER ITEM 616. DUST PALLIATIVE SHALL CONSIST OF CALCIUM CHLORIDE MEETING THE REQUIREMENTS OF SECTION 712.02. THE WATER OR CALCIUM CHLORIDE SHALL BE SPREAD UNIFORMLY OVER THE SURFACE OF THE DISTURBED AREAS.
- EXPOSED SLOPES SHALL BE STABILIZED AS SOON AS THEY ARE CONSTRUCTED. 6. THE CONTRACTOR SHALL PLACE SEEDING & MULCHING AS NECESSARY TO STABILIZE ALL DENUDED AREAS. ALL DENUDED AREAS SHALL HAVE SOIL STABILIZATION, EITHER TEMPORARY OR PERMANENT, ACCORDING TO THE NOTES ON
- 7. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE ESTABLISHED VEGETATIVE COVER. 8. AFTER REMOVAL OF EROSION CONTROL DEVICES, THE CONTRACTOR SHALL CLEAN INLETS & STORM PIPES OF ANY/ALL SEDIMENT INCURRED DURING CONSTRUCTION.

THE CONTRACTOR OR HIS/HER AGENT SHALL MAKE REGULAR INSPECTIONS OF ALL CONTROL MEASURES IN ACCORDANCE WITH THE INSPECTION SCHEDULE OUTLINED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN(S). THE PURPOSE OF SUCH INSPECTIONS WILL BE TO DETERMINE THE OVERALL EFFECTIVENESS OF THE CONTROL PLAN & THE NEED FOR ADDITIONAL CONTROL MEASURES. ALL INSPECTIONS SHALL BE DOCUMENTED IN WRITTEN FORM.

ALL CONSTRUCTION & DEMOLITION DEBRIS WASTE SHALL BE RECYCLED OR DISPOSED OF IN AN OHIO EPA APPROVED CONSTRUCTION & DEMOLITION DEBRIS LANDFILL AS REQUIRED BY OHIO REVISED CODE 3714.

SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRIC & IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

1. HEIGHT OF SILT FENCE SHALL NOT EXCEED 36". HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

2. FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A 6" (MIN.) OVERLAP & SECURELY SEALED.

3. POSTS SHALL BE SPACED AT 10' (MAX.) APART AT THE BARRIER LOCATION & DRIVEN SECURELY INTO THE GROUND 12" (MIN.). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6'.

4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE & 4" DEEP ALONG THE LINE OF POSTS & UP-SLOPE FROM THE BARRIER.

5. WHEN STANDARD STRENGTH FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1" LONG, TIE WIRES OR HOG RINGS. WIRE SHALL EXTEND INTO THE TRENCH 2" (MIN.) & SHALL NOT EXTEND MORE THAN 36" ABOVE ORIGINAL GROUND SURFACE.

6. STANDARD STRENGTH FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE & 8" OF THE FABRIC SHALL EXTEND INTO THE TRENCH. FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE ORIGINAL GROUND SURFACE. FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

7. WHEN EXTRA STRENGTH FABRIC & CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.

8. THE TRENCH SHALL BE BACKFILLED & SOIL COMPACTED OVER THE FILTER FABRIC.

9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:

SILT FENCES & FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE & THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT & MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE BARRIER HEIGHT.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH EXISTING GRADE, PREPARED & SEEDED.

DESIGN CAPACITY CHART:

MAX. DRAINAGE AREA PER 100 LF OF FENCE 0.5 AC.

0.25 AC. 0.125 AC. RANGE OF SLOPE PER DRAINAGE AREA <2% >2% BUT <20% ≥20% BUT <50%

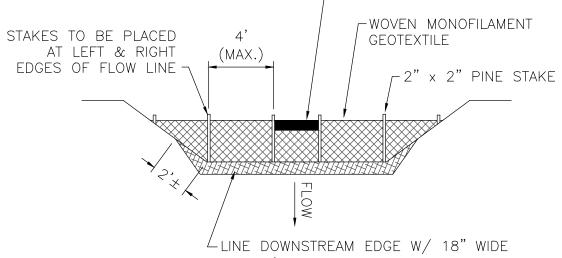
SEDIMENT FENCE

NOT TO SCALE

42" LONG

(SHARPENED)

WHERE PONDING AVAILABILITY & DITCH HEIGHT IS LIMITED, A NOTCH OVER FLOW LINE MAY BE CUT INTO FABRIC BETWEEN 2 CLOSELY SPACED STAKES TO PREVENT END AROUND SCOURING



STRAW/COCONUT BLANKET. PLACE BLANKET ALONG ENTIRE WIDTH OF DITCH & EXTEND 2' (MIN.) UP BANK ON EACH SIDE TO LIMIT DOWNSTREAM SCOUR.

WOVEN MONOFILAMENT GEOTEXTILE; TOP OF FABRIC TO BE PLACED AT $1.25-1.5\pm$ TIMES NORMAL FLOW DEPTH (MAX. HEIGHT 30") -_2" x 2" PINE STAKE 9/16" WIRE STAPLES -HIGH SPUN TYPAR -STRAW/COCONUT FIBER (IF DESIRED) -BLANKET TO PREVENT DOWNSTREAM SCOURING 1-1/2" OF SHOVELED FINE DIRT OR GRAVEL _6" SOD STAPLES, 12"± (#57 PREFERRED)-1' TO 2' APART ACROSS DITCH WIDTH 4"(MIN.) **-**-18"(MAX.)--8"(MAX.) ** SECURELY DRIVEN INTO GROUND, 18"(MIN.) IF POSSIBLE

> ** LEADING EDGE MUST LAY FLAT ON THE BOTTOM OF THE DITCH & ALONG BANK SIDES; REMOVE ALL VISIBLE ROCK UNDER THE LEADING EDGE

MATERIALS GUIDE

1. 2" x 2" PINE STAKES, SHARPENED. 2. WOVEN MONOFILAMENT GEOTEXTILE FABRIC (100-250 GPM/SF FLOW RATE) OR HIGH FLOW FABRIC (HIGH SPUN TYPAR FOR ADDITIONAL PONDING).

3. 9/16" WIRE STAPLES & 6" SOD STAPLES.

4. STRAW/COCONUT FIBER BLANKET 5. #57 STONE (ODOTCMS).

INSTALLATION GUIDE 1. DETERMINE REQUIRED HEIGHT OF FABRIC — IN GENERAL, REQUIRED HEIGHT EQUALS 1.25 TO 1.5 TIMES NORMAL FLOW DEPTH OF DITCH. 2. INSTALL STAKES PER DIAGRAMS

3. USE 4' CARPENTER'S LEVEL TO MARK STAKES AT TOP OF FABRIC LOCATION. TOP OF FABRIC TO BE LEVEL ALONG THE WIDTH OF DITCH. 4. STAPLE TOP EDGE OF FABRIC TO STAKES AT LEVEL MARKS. 5. TRIM EXCESS FABRIC TO PROVIDE A LEADING EDGE THAT LIES FLAT & FLUSH WITH DITCH BOTTOM.

6. HIGH SPUN TYPAR FABRIC MAY BE ADDED AT UPSTREAM END IF ADDITIONAL PONDING IS DESIRED OR IF SUPERFINES ARE OF CONCERN. 7. STAPLE BOTTOM OF FABRIC AT DITCH BOTTOM; CHECK TO ENSURE A

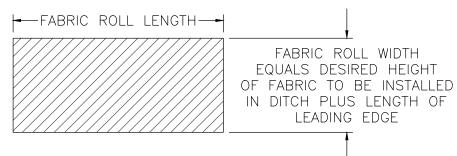
8. SHOVEL DIRT OR GRAVEL TO COMPLETELY COVER LEADING EDGE. 9. PLACE STRAW/COCONUT FIBER AT DOWNSTREAM END. SECURE WITH SOD STAPLES. TRIM EXCESS MATERIAL SO IT LIES FLAT & FLUSH WITH DITCH

10. FABRIC ROLL DIMENSIONS TO BE BASED ON INSTALLATION REQUIREMENTS - ALL EXCESS TO BE TRIMMED WITH SHARP UTILITY KNIFE OR SCISSORS. 11. ANY INSTALLATION FOLDS MUST BE CAREFULLY TRIMMED & OVERLAPPED TO AVOID WRINKLES OR UNDESIRABLE IRREGULARITIES.

MAINTENANCE GUIDE

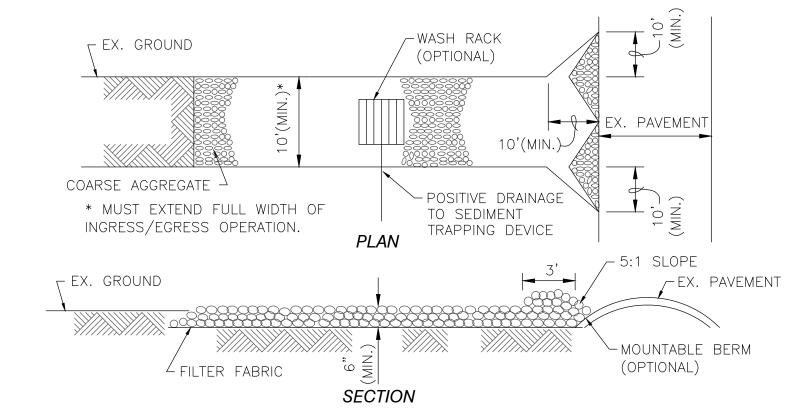
1. AFTER FIRST RAIN, REPLACE ANY MISSING ROCK & DIRT AT LEADING EDGE.

2. INSPECT DITCH CHECKS AFTER HEAVY RAINS. 3. REMOVE SEDIMENT DEPOSITS FROM DITCH CHECKS WHEN TOP OF SEDIMENT REACHES 75% OF FABRIC HEIGHT.



NOTE: WHERE DESIRED HEIGHT EXCEEDS FABRIC ROLL WIDTH, FABRIC TO BE OVERLAPPED BY A MINIMUM OF 12". PLACE 2' X 6" OR 4" X 4" BOARD BEHIND OVERLAP

DITCH CHECK (MODERATE FLOW) NOT TO SCALE



CONSTRUCTION SPECIFICATIONS 1. STONE SIZE: USE 2" STONE OR RECLAIMED/RECYCLED CONCRETE EQUIVALENT.

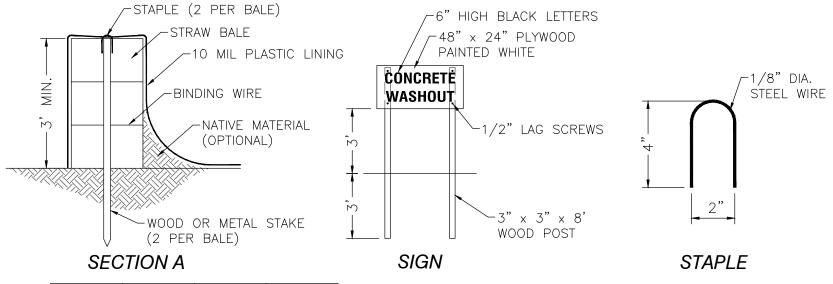
2. LENGTH: AS REQUIRED.

3. THICKNESS: NOT LESS THAN 6". 4. WIDTH: 10' MIN., BUT NO LESS THAN FULL WIDTH OF INGRESS/EGRESS POINTS.

5. FILTER CLOTH: WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SURFACE WATER: SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM WITH 5:1 SLOPES IS PERMITTED.

7. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND & REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY. 8. WASHING: WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WASHING SHALL BE DONE ON AN AREA STABILIZED WITH STONE. 9. PERIODIC INSPECTION & NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.





∠10 MIL PLASTIC LINING 7 -STAKE (TYP.) /STRAW BALE (TYP.)

PLAN

ACTUAL LOCATION & LAYOUT SHALL BE DETERMINED IN THE

• PIT CAN BE DUG INTO THE GROUND OR FORMED ABOVE

• PLASTIC LINING SHALL BE MAINTAINED FREE OF TEARS OR

• AFTER THE PIT IS USED & WASHWATER HAS EVAPORATED OR BEEN VACUUMED OFF, THE REMAINING HARDENED SOLIDS CAN BE BROKEN UP & REMOVED FROM THE PIT.

• IF DAMAGE OCCURS TO THE STRAW BALES OR PLASTIC LINING DURING THE REMOVAL OF SOLIDS, THE PIT SHALL BE REPAIRED & RELINED WITH NEW PLASTIC TO ACHIEVE A LEAK-PROOF SYSTEM.

• A PRE-FABRICATED PORTABLE VINYL WASHOUT CONTAINER WITH FILTER BAG OR METAL WASHOUT CONTAINER SERVICE MAY BE USED AS SUBSTITUTES FOR THE STRAW BALE & PLASTIC LINER PIT.

CONCRETE WASHOUT AREA NOT TO SCALE





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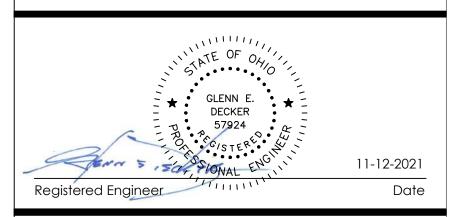
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Jerome M. Scott **Architects**

1020 Goodale Blvd Columbus, Ohio 43212



DOT-200023 **ODOT - EATON OUTPOST**

5656 US-127 Eaton, Ohio 45320

1	12/17/21	REVISION 1 PERMIT / BID SET
-	12/10/21	BID SET
-	11/12/21	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NO: DOT-200023 DATE: 12/10/21 DRAWN BY: LLA COPYRIGHT

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SHEET TITLE

STORM WATER POLLUTION PREVENTION NOTES & DETAILS

SD PROJECT NO. 4250

APPROVED PLANS: THE CIVIL/SITE DRAWINGS PREPARED BY SANDS DECKER FOR THIS PROJECT ARE NOT FOR CONSTRUCTION UNLESS AND UNTIL ALL APPLICABLE APPROVALS HAVE BEEN SECURED AND THE DRAWINGS ARE ISSUED FOR CONSTRUCTION. LAYOUT, FABRICATION OF MATERIALS, CONSTRUCTION, OR ANY CONSTRUCTION—RELATED ACTIVITIES ASSOCIATED WITH THESE DRAWINGS IS NOT TO PROCEED UNLESS EACH SHEET INCLUDES THE ISSUED FOR CONSTRUCTION LABEL.

GENERAL: THE CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION & MATERIAL SPECIFICATIONS (ODOTCMS) TOGETHER WITH THE REQUIREMENTS OF PREBLE COUNTY, OHIO, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS & WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS. WHEN THERE IS OR APPEARS TO BE A CONFLICT BETWEEN THE ABOVE REFERENCED SPECIFICATIONS & THESE PLANS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. UNLESS OTHERWISE SPECIFIED, ALL ITEM NUMBERS REFER TO ODOTCMS.

PROJECT LIMITS: THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS—OF—WAY, CONSTRUCTION EASEMENTS & PERMANENT EASEMENTS, & SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT OF THE PROPERTY OWNER.

PROTECTION OF SURVEY MONUMENTS: THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, & ANY OTHER SURVEY MONUMENTS OR MARKERS. IF THE ACTIONS OF THE CONTRACTOR, HIS EMPLOYEES, OR HIS SUB—CONTRACTORS RESULT IN DESTRUCTION OF OR DAMAGE TO ANY OF THE ABOVE ITEMS, THOSE ITEMS SHALL BE ACCURATELY RESTORED, AT THE CONTRACTOR'S EXPENSE, BY A LICENSED SURVEYOR REGISTERED IN THE STATE OF OHIO.

MISCELLANEOUS WORK: ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR & THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

PERMITS: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

TRAFFIC CONTROL: THE CONTRACTOR SHALL USE ADEQUATE LIGHTS, SIGNS, FLAGGERS, & BARRICADES AS REQUIRED IN ITEM 614 TO SAFEGUARD THE TRAVELING PUBLIC AT ALL TIMES. ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON—WORKING HOURS. WHERE IT IS ANTICIPATED THAT WORK WILL CLOSE A ROAD OR STREET, THE CONTRACTOR SHALL INFORM THE RESIDENTS TO BE AFFECTED, THE LOCAL LAW ENFORCEMENT AGENCY, THE LOCAL FIRE DEPARTMENT, & THE ENGINEER AS TO THE EXTENT, NATURE, & THE TIME OF THE ANTICIPATED WORK. THE CONTRACTOR SHALL SUBMIT A PLAN & SCHEDULE FOR DETOURING TRAFFIC 10 DAYS PRIOR TO THE CLOSING OF ANY ROAD OR STREET TO THE ENGINEER & ROAD OWNER. DURING A CLOSING OF A ROAD OR STREET, THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES FOR EMERGENCY VEHICLES & THE PROPERTY OWNERS. NO ROAD OR STREET SHALL BE CLOSED UNTIL THE SCHEDULE IS APPROVED BY THE AGENCY HAVING CONTROL OF THE ROAD.

SAFETY OF CONSTRUCTION: THE CONTRACTOR SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY & HEALTH ACT OF 1970 (OSHA) & ALL OTHER APPLICABLE FEDERAL, STATE, & LOCAL LAWS, REGULATIONS, FINDINGS & ORDERS RELATING TO SAFETY & HEALTH CONDITIONS ON THE WORK SITE. CONSTRUCTION METHODS FOR COMPLETING THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS SHALL BE CONSISTENT WITH THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AMENDED CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUB-PART P, EFFECTIVE MARCH 5, 1990.

EROSION & SEDIMENT CONTROL: PROJECTS DISTURBING LESS THAN ONE ACRE & NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT ARE NOT REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO THE OHIO EPA FOR COVERAGE UNDER THEIR GENERAL CONSTRUCTION STORM WATER PERMIT & ARE NOT REQUIRED TO MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWP3) ON SITE. THE CONTRACTOR SHALL, HOWEVER, INSTALL & MAINTAIN SILT FENCES, DITCH CHECKS, TEMPORARY SEEDING, & OTHER MEASURES AS NECESSARY TO CONTROL SOIL EROSION & PREVENT SEDIMENT—LADEN RUN—OFF FROM EXITING THE SITE OR ENTERING STORM SEWER SYSTEMS OR DRAINAGE WAYS.

BORROW MATERIAL & SURPLUS EXCAVATION: THE SITE SHALL BE CONSTRUCTED TO THE FINAL GRADES SHOWN ON THE PLANS. WHERE NECESSARY, THE CONTRACTOR SHALL OBTAIN SUITABLE BORROW MATERIAL ON—SITE OR OFF—SITE AS NEEDED TO COMPLETE THE SITE CONSTRUCTION AS DESCRIBED HEREIN. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION ON SITE &, IF NECESSARY, SHALL HAUL SURPLUS EXCAVATED MATERIAL AWAY FROM THE SITE & DISPOSE OF PROPERLY.

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, & OTHER INFORMATION SHOWN IS ONLY AS ACCURATE AS THAT PROVIDED BY THE OWNERS OF THE UTILITY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. THE ENGINEER DOES NOT INDEPENDENTLY VERIFY NOR FIELD LOCATE UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO PHYSICALLY LOCATE & VERIFY, IN THE FIELD, THE HORIZONTAL & VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL SUPPORT, PROTECT & RESTORE ALL EXISTING UTILITIES & THEIR ASSOCIATED ITEMS. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE SECTIONS OF THE OHIO REVISED CODE INCLUDING SECTIONS 153.64 & 3781.28. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE & ALL UTILITY OWNERS HAVING FACILITIES IN THE CONSTRUCTION AREA WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE. THE CONTRACTOR SHALL GIVE NOTIFICATION AS REQUIRED BY OHIO

REVISED CODE, AT LEAST TWO (2) & NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, EXCLUDING SATURDAYS, SUNDAYS, & LEGAL HOLIDAYS, & SHALL COORDINATE HIS WORK WITH THE UTILITY OWNERS UNTIL HIS WORK IS COMPLETED. THE CONTRACTOR SHALL KEEP THE UTILITY OWNERS APPRISED OF HIS SCHEDULE & REQUIREMENTS & SHALL PROVIDE THE PROJECT OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES & PROVIDED THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK.

THE CONTRACTOR MAY REVIEW THE INFORMATION PROVIDED TO THE ENGINEER BY THE UTILITY OWNERS AT THE ENGINEER'S OFFICE PRIOR TO SUBMITTING A BID. CONTRACTORS REQUIRING MORE INFORMATION REGARDING EXISTING UTILITIES SHOULD CONDUCT THEIR OWN FIELD INVESTIGATIONS OR OTHERWISE LOCATE THE UTILITIES PRIOR TO SUBMITTING A BID FOR THE CONSTRUCTION. SEE EXISTING SITE SURVEY FOR A LISTING OF UTILITIES THAT MAY HAVE UNDERGROUND FACILITIES IN THE PROJECT AREA.

DRAINAGE TILE: ALL FARM DRAINS, ROADWAY DRAINS, & OTHER DRAINAGE TILE WHICH ARE ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL BE PROVIDED WITH AN UNOBSTRUCTED OUTLET. EXISTING COLLECTOR TILES WHICH ARE LOCATED BELOW THE PROPOSED FINISHED ELEVATION & WHICH CROSS THE TRENCH SHALL BE REPLACED WITHIN THE TRENCH LIMITS BY ITEM 611 CONDUIT. THE LOCATION, TYPE, SIZE, & GRADE OF THE REQUIRED REPLACEMENT SHALL BE DETERMINED BY THE PROJECT ENGINEER OR HIS SITE REPRESENTATIVE DURING CONSTRUCTION. NECESSARY BENDS OR FITTINGS, COMPACTED GRANULAR BACKFILL, & ASSOCIATED ITEMS SHALL BE INCLUDED IN THE BID PRICE.

TEMPORARY PAVEMENT: TEMPORARY PAVEMENT REPLACEMENT SHALL BE PROVIDED ON PERMANENT PAVEMENT DAMAGED OR REMOVED BY THE CONTRACTOR IN THE PERFORMANCE OF THE WORK. AS SOON AS THE TRENCH HAS BEEN BACKFILLED, TEMPORARY PAVEMENT SHALL BE INSTALLED. THE ENGINEER MAY REQUIRE THAT ALL MATERIALS & EQUIPMENT INCIDENTAL TO PROVIDING THE TEMPORARY PAVEMENT BE ON THE JOB SITE PRIOR TO REMOVING THE EXISTING PAVEMENT. TEMPORARY PAVEMENT SHALL CONSIST OF 2" OF BITUMINOUS COLD MIX PLACED UPON 6" OF COMPACTED ITEM 304, AGGREGATE BASE. TEMPORARY PAVEMENT SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT PAVEMENT IS INSTALLED.

PERMANENT PAVEMENT: WHERE DAMAGED OR REMOVED, THE PAVEMENT SHALL BE REPLACED BY FIRST REMOVING TEMPORARY PAVEMENT DOWN TO CLEAN GRANULAR MATERIAL & REMOVING EXISTING PAVEMENT FOR AT LEAST 12" BEYOND THE TRENCH LIMITS ON EACH SIDE. PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWED NOT MORE THAN 72 HOURS PRIOR TO THE PLACING OF PERMANENT PAVEMENT MATERIALS. PERMANENT PAVEMENT REPLACEMENT MATERIALS & WORKMANSHIP SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS. ITEM 407, TACK COAT, SHALL BE APPLIED TO THE EXPOSED EXISTING PAVEMENT EDGES WHEN EITHER THE EXISTING OR NEW PAVEMENT IS BITUMINOUS MATERIAL. WHEN THE PERMANENT PAVEMENT IS BITUMINOUS MATERIAL, ITEM 407, TACK COAT SHALL BE APPLIED TO BITUMINOUS OR CONCRETE BASE MATERIAL PRIOR TO THE PLACING OF THE PERMANENT PAVEMENT.

NEW PAVEMENT DESIGN: A GEOTECHNICAL REPORT WITH PAVEMENT DESIGN RECOMMENDATIONS WAS NOT PROVIDED FOR THIS PROJECT. PAVEMENT DETAILS SHOWN HEREIN ARE BASED ON GENERALLY ACCEPTED ENGINEERING STANDARDS. SANDS DECKER CPS, LLC PROVIDES NO GUARANTEE AND ASSUMES NO LIABILITY FOR THE USEFUL LIFE AND/OR PERFORMANCE OF SAID DESIGN RECOMMENDATIONS.

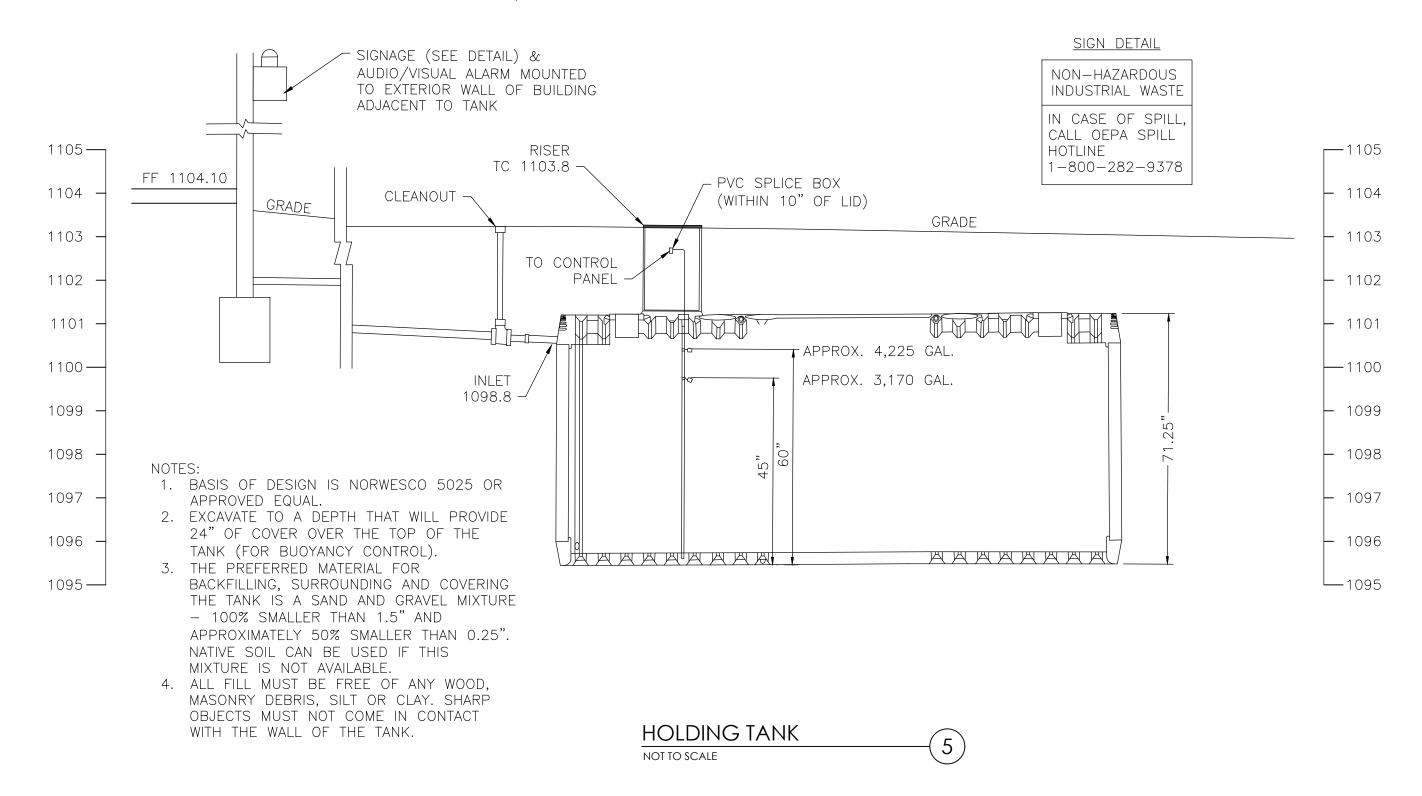
INSTALLATION IN EMBANKMENT: WHERE UTILITIES ARE TO BE INSTALLED IN EMBANKMENT AREAS, THE EMBANKMENT SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS, A MINIMUM OF 2' ABOVE THE PIPE BUT SUFFICIENTLY ABOVE THE PIPE TO PROTECT THE PIPE FROM DAMAGE DUE TO FURTHER CONSTRUCTION ACTIVITIES PRIOR TO THE INSTALLATION OF THE UTILITY.

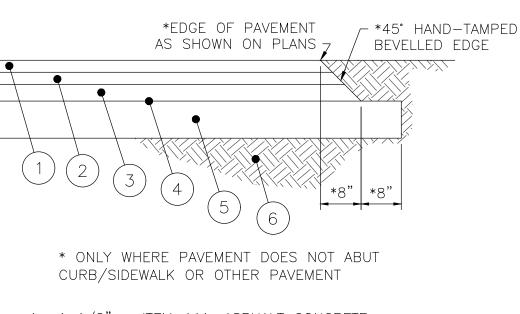
CONFLICTS IN GRADE: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER LINES OR WATER SERVICES & OTHER EXISTING UTILITIES, THE WATER LINE/SERVICE LINE SHALL BE LOWERED DURING CONSTRUCTION. A MINIMUM 18" VERTICAL & 10' HORIZONTAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE WATER LINE & ANY SANITARY OR STORM SEWER; 12" MINIMUM VERTICAL CLEARANCE FOR OTHER UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AHEAD OF HIS CONSTRUCTION OPERATIONS TO ALLOW FOR ADJUSTMENTS IN GRADE TO THE WATER LINE THAT MAY BE REQUIRED AS A RESULT OF POTENTIAL CONFLICTS WITH AN EXISTING UTILITY. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR LOWERING THE WATER LINE TO AVOID CONFLICTS WITH EXISTING UTILITIES.

EXISTING DITCHES: WHERE IT BECOMES NECESSARY TO LOCATE A MAIN LINE VALVE, FIRE HYDRANT OR MANHOLE IN AN EXISTING DITCH, THE CONTRACTOR SHALL RELOCATE THE DITCH BEHIND THE PROPOSED VALVE, HYDRANT OR MANHOLE.

MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN PUBLIC OR PRIVATE PAVEMENT, SIDEWALK, CONCRETE PAD OR PAVED SHOULDER, THE TOPS SHALL BE BUILT TO EXISTING PAVEMENT ELEVATIONS. ELSEWHERE MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE. THE COST OF ADJUSTMENT IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

FINAL GRADING & CLEAN-UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS & MATERIALS RESULTING FROM HIS OPERATION & RESTORE ALL SURFACES, STRUCTURES, DITCHES, SIGNS, MAILBOXES, FENCES, GUARDRAILS, OR OTHER PHYSICAL FEATURES OR PROPERTY DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL SUCH WORK SHALL BE INCLUDED WITH THE VARIOUS RELATED ITEMS.





1. 1 1/2" ~ ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22 2. 2 1/2" ~ ITEM 441, ASPHALT CONCRETE

INTERMEDIATE COURSE, TYPE 2 (448), PG64-22
3. 4" ~ ITEM 301, ASPHALT BASE COURSE.
4. ITEM 408, PRIME COAT (0.35 GAL/SY)
5. 10" ~ ITEM 304, AGGREGATE BASE

(COMPACT TO 100% MAX. DENSITY)
6. ITEM 204, SUBGRADE COMPACTION
(PROOF ROLL & STABILIZE TO 100% MAX. DRY
DENSITY PER ASTM D-698; GRADE SO THAT NO
POOLING AREAS ARE PRESENT)

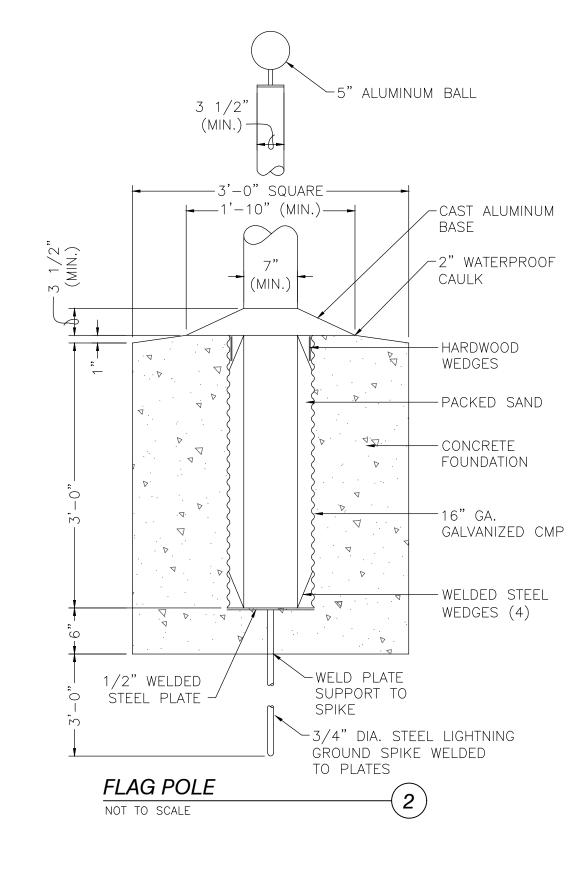
NOTES: 1. GRADE OF SUBBASE SHALL BE SLOPED TO MATCH

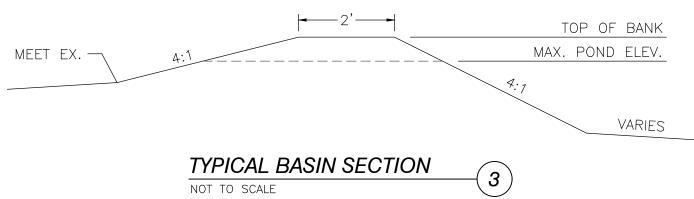
FINISH GRADE FOR POSITIVE DRAINAGE.

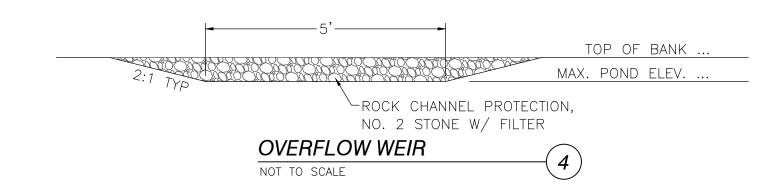
2. ENGINEERED FILL, WHEN REQUIRED, SHALL BE PLACED IN 8" MAX. LAYERS WITH EACH COMPACTED TO 100% MAX. DRY DENSITY PER ASTM D-698.

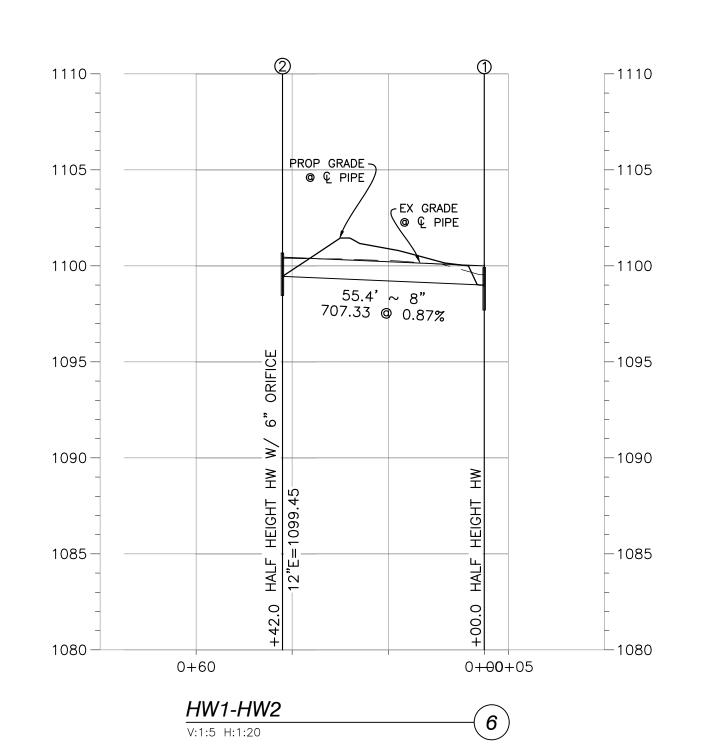
3. ITEM 407, TACK COAT MAY BE APPLIED AT A RATE OF 0.06 GAL/SY BETWEEN INTERMEDIATE & SURFACE COURSES OF ASPHALT AS CONDITIONS REQUIRE.

HEAVY DUTY PAVEMENT











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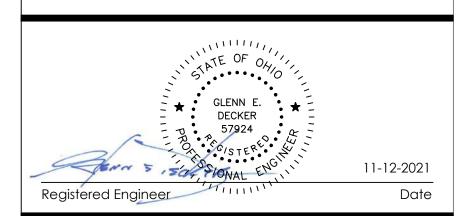
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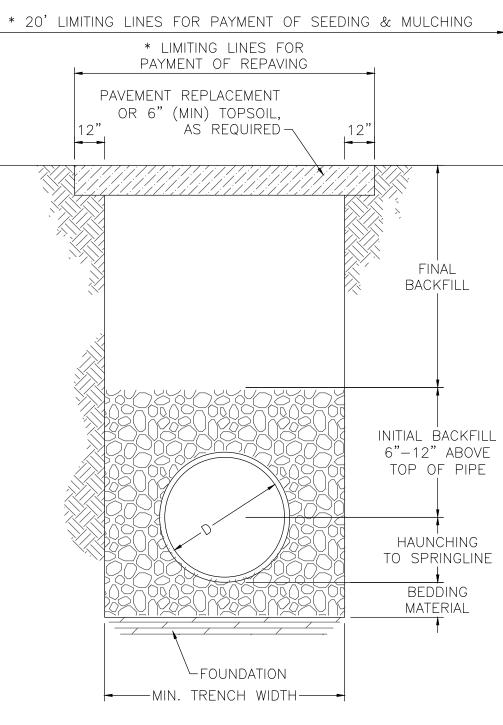
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PROJECT NO:

GENERAL NOTES & SITE DETAILS

C500

SD PROJECT NO. 4250



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.



- NOTES (DETAIL 1): 1. FOUNDATION: WHERE TRENCH BOTTOM IS UNSTABLE, CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER & REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWER & OTHER GRAVITY-FLOW APPLICATIONS", LATEST EDITION. AS AN ALTERNATIVE & AT THE DISCRETION OF THE ENGINEER, TRENCH BOTTOM MAY BE STABILIZED USING WOVEN GEOTEXTILE FABRIC.
- 2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MIN. BEDDING THICKNESS SHALL BE 4" FOR 4"-24" & 42"-48" PIPE & 6" FOR 30"-36" PIPE.

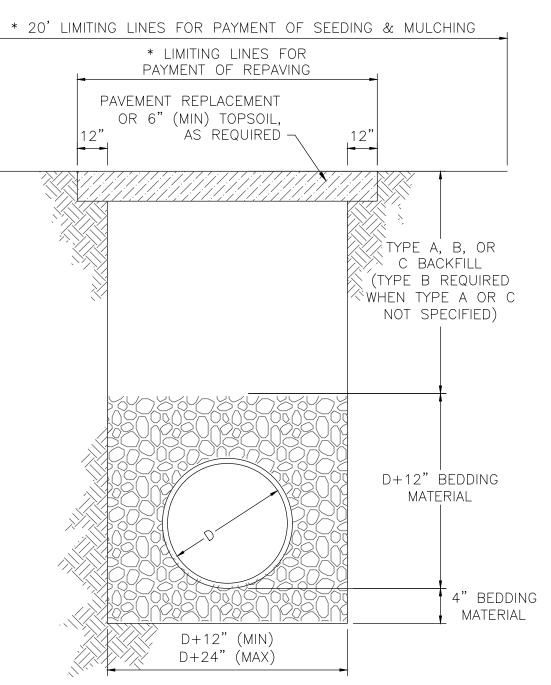
- 3. HAUNCHING & INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- 4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MIN. RECOMMENDED TRENCH WIDTHS SHALL BE AS FOLLOWS:

RECOMMENDED	INCINCII WIDI
NOMINAL Ø 4" 6" 8"	MIN. WIDTH 21" 23" 25"
10" 12" 15" 18" 24"	28" 31" 34" 39" 48"
30" 36" 42" 48" 60"	66" 78" 83" 89" 102"

5. THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION. MINIMUM COVER: MIN. RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE AS FOLLOWS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE FROM TOP OF PIPE TO GROUND SURFACE.

SURFACE LIVE	
LOADING CONDITION	MIN. COVE
H25 (FLEXIBLE PAVEMENT)	12" **
H25 (RIGID PAVEMENT)	12"
E80 RAILWAY	24"
HEAVY CONSTRUCTION	48"

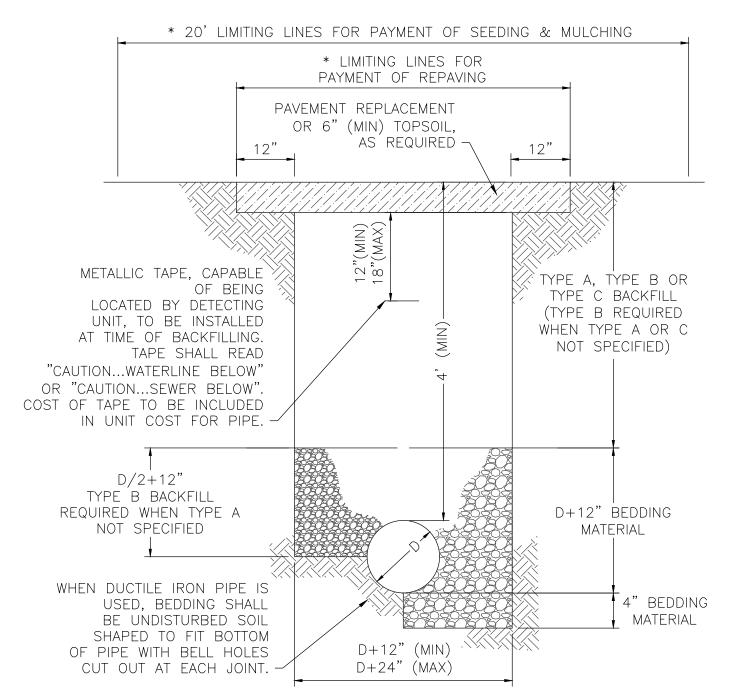
** TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION.



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

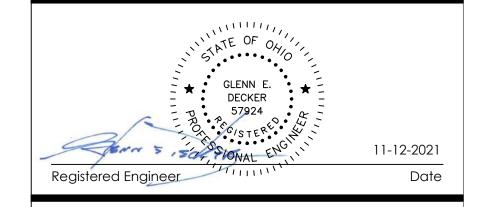


- NOTES (DETAILS 2 & 3): 1. ITEM NUMBERS REFÉR TO STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- 2. AGGREGATE FOR BEDDING IS NO. 57, NO. 6, NO. 67, NO. 68, OR NO. 7, ITEM 703.
- 3. TYPE A BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ITEM 304, GRADE A. TYPE A BACKFILL SHALL BE USED WHEN THE TRENCH IS 5' OR LESS FROM ANY PAVED OR GRAVEL SURFACE, OR BENEATH THE PAVEMENT OR GRAVEL. COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 203.
- 4. TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2" ACROSS THEIR GREATEST DIMENSION. TOPSOIL. VEGETATION. DEBRIS. RUBBISH. OR FROZEN MATERIAL. COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT.
- 5. TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 6" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, STONES NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST 3' ABOVE THE TOP OF THE PIPE.
- 6. THE EXCAVATED TRENCH WIDTH 12" ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.
- 7. RIGID PIPE SHALL BE DUCTILE IRON, THICKNESS CLASS 53, PRESSURE RATING 350. FLEXIBLE PIPE SHALL BE PVC C-900 DR14 FOR SIZES UP TO 12" AND PVC C-905 DR18 FOR LARGER SIZES.
- 8. WHEN CALLED FOR ON THE CONSTRUCTION DRAWINGS, ENCASEMENT SHALL BE CLASS C CONCRETE.
- 9. SECTIONS ARE SYMMETRICAL ABOUT THE CENTERLINE.
- 10. GRANULAR BEDDING AND BACKFILL SHALL NOT BE REQUIRED FOR DUCTILE IRON PIPE UNLESS WITHIN LIMITS REQUIRING GRANULAR BACKFILL FOR ROADS AND DRIVEWAYS.
- 11. COVER OVER PIPE SHALL BE AS SPECIFIED ON PLANS. UNLESS OTHERWISE SPECIFIED, ROOF DRAINS SHALL HAVE 30" MIN. COVER AND SANITARY SEWER SERVICES SHALL HAVE 48" MIN. COVER.



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

TYP. TRENCH FOR WATER MAINS & SEWER FORCE MAINS NOT TO SCALE



Jerome M. Scott

Architects

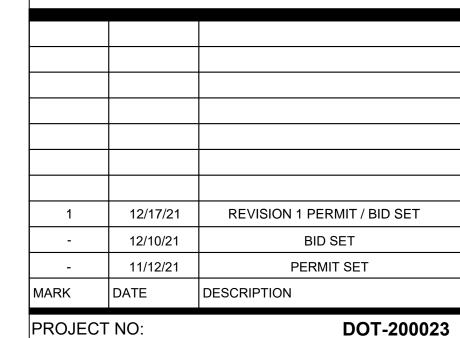
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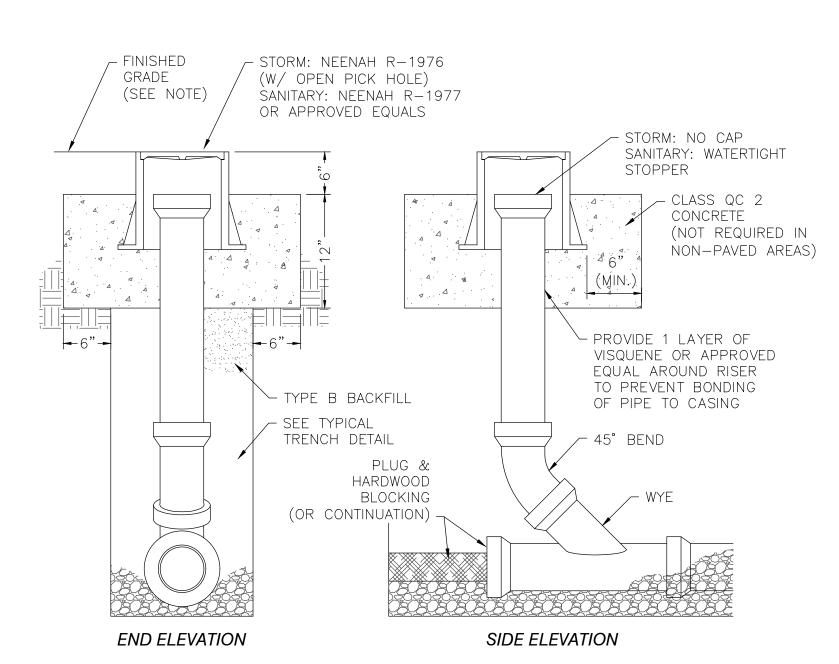
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SHEET TITLE SITE DETAILS

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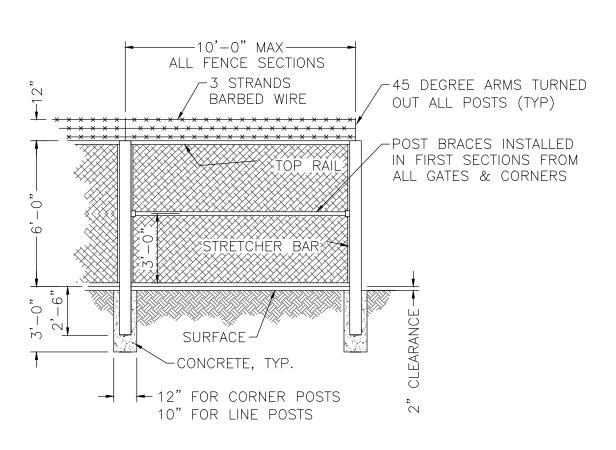
(CONT.)

SD PROJECT NO. 4250



NOTE: CLEANOUT TOP OF CASTING SHALL BE SET FLUSH WITH FINISHED GRADE IN PAVEMENT AREAS OR 2" MIN. TO 4" MAX. ABOVE FINISHED GRADE IN NON-PAVED AREAS.

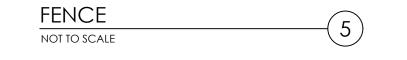


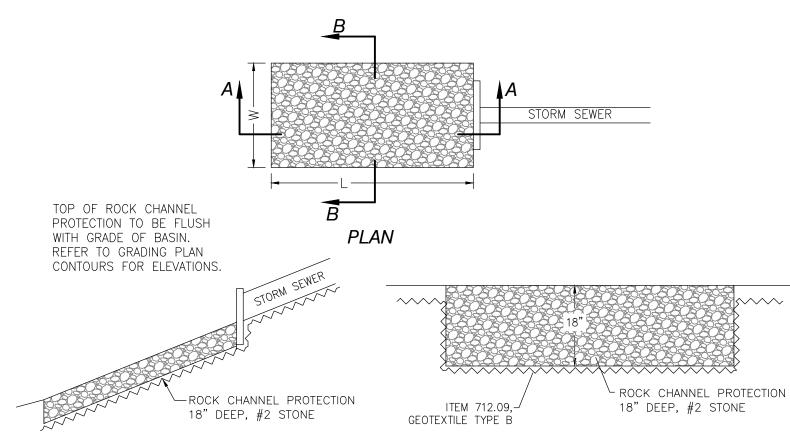


POSTS/RAILS SHALL BE AS FOLLOWS: BRACE RAILS - 1 5/8" DIA. LINE POSTS - 2 1/2" DIA. CORNER POSTS - 2 1/2" DIA.

BARBED WIRE SHALL MEET ASTM A 121, TYPE Z, CLASS 3 GALVANIZING, AT 0.80 OUNCES PER SQUARE FOOT OF SURFACE.

CONNECT TO EX. FENCE WHERE APPLICABLE.





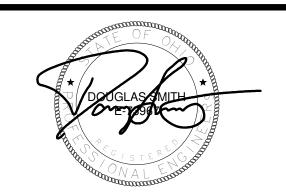


PLAN NOTES NOTE



Jerome M. Scott Architects 1020 Goodale Blvd Columbus, Ohio 43212





DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

DESCRIPTION

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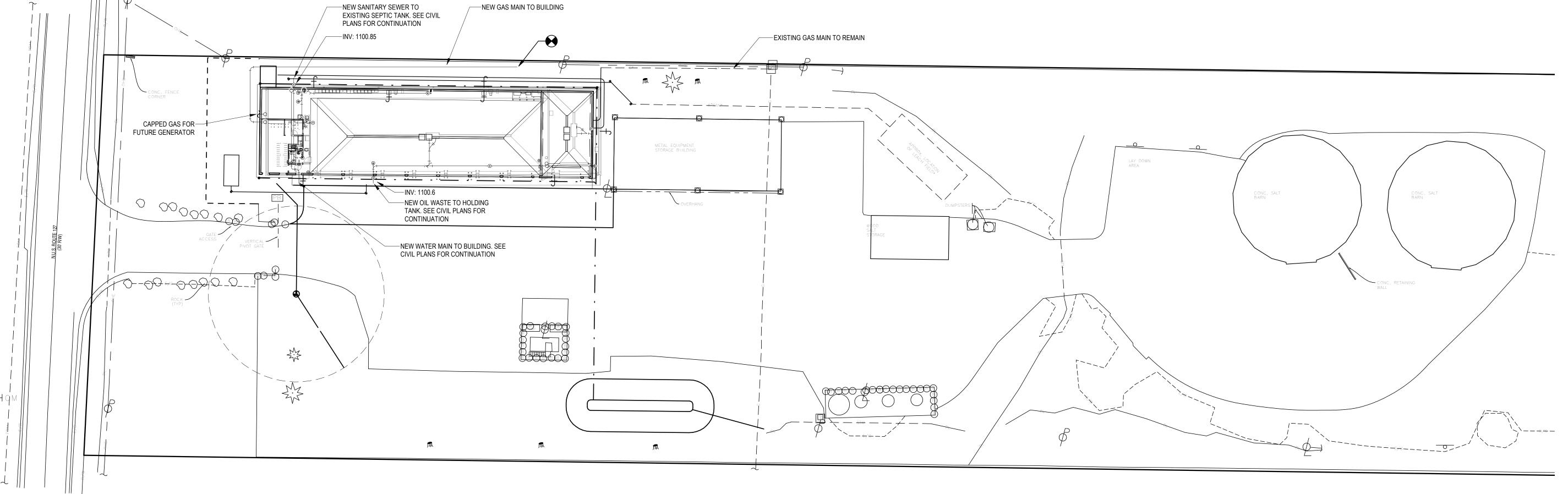
JEROME M. SCOTT ARCHITECTS, INC.

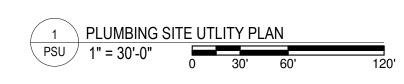
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SHEET TITLE

MARK DATE

PLUMBING SITE UTILITY PLAN

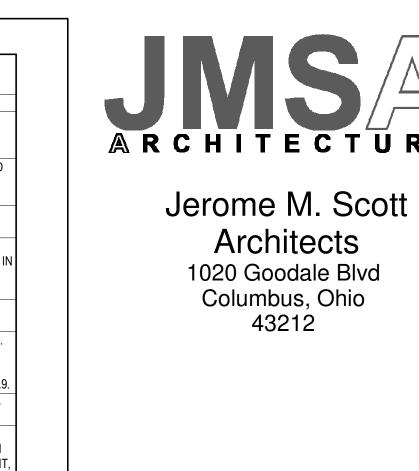




GENERAL NOTES: THESE DRAWINGS SHOW GAS PIPING WORK ONLY. SEE SITE PLANS FOR ALL OTHER UTILITIES.

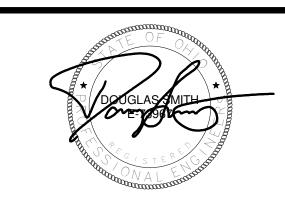
—NEW GAS MAIN TO BUILDING







Email: dynamix@dynamix-ltd.com DEL #21-179



DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

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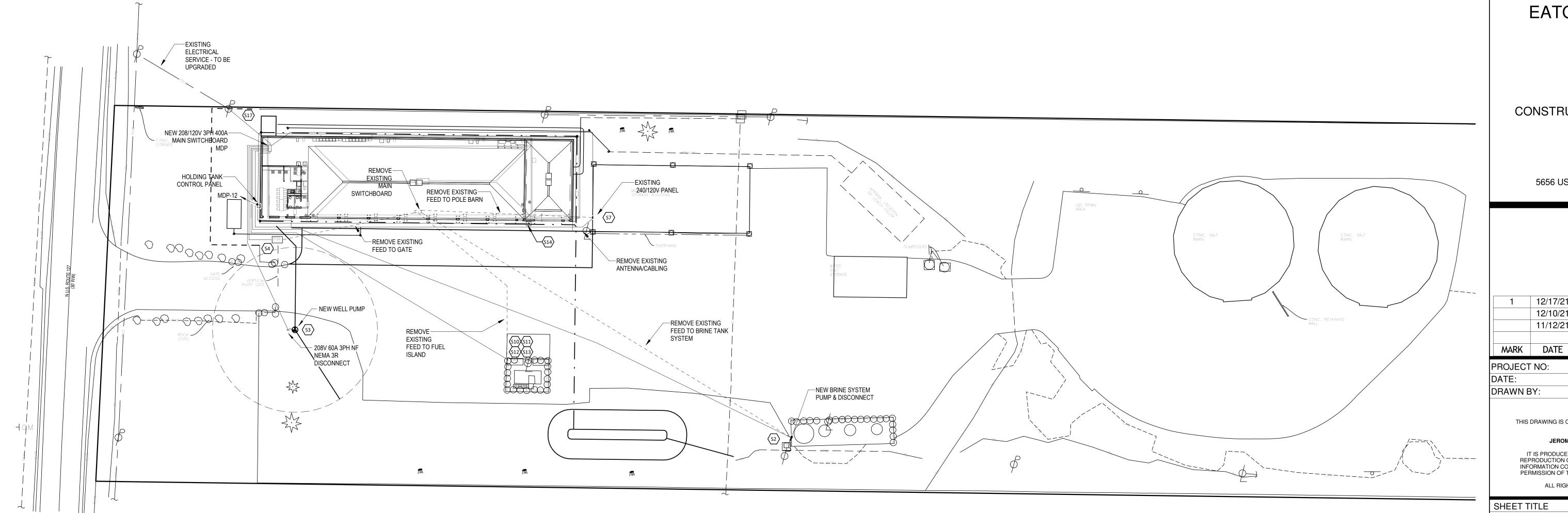
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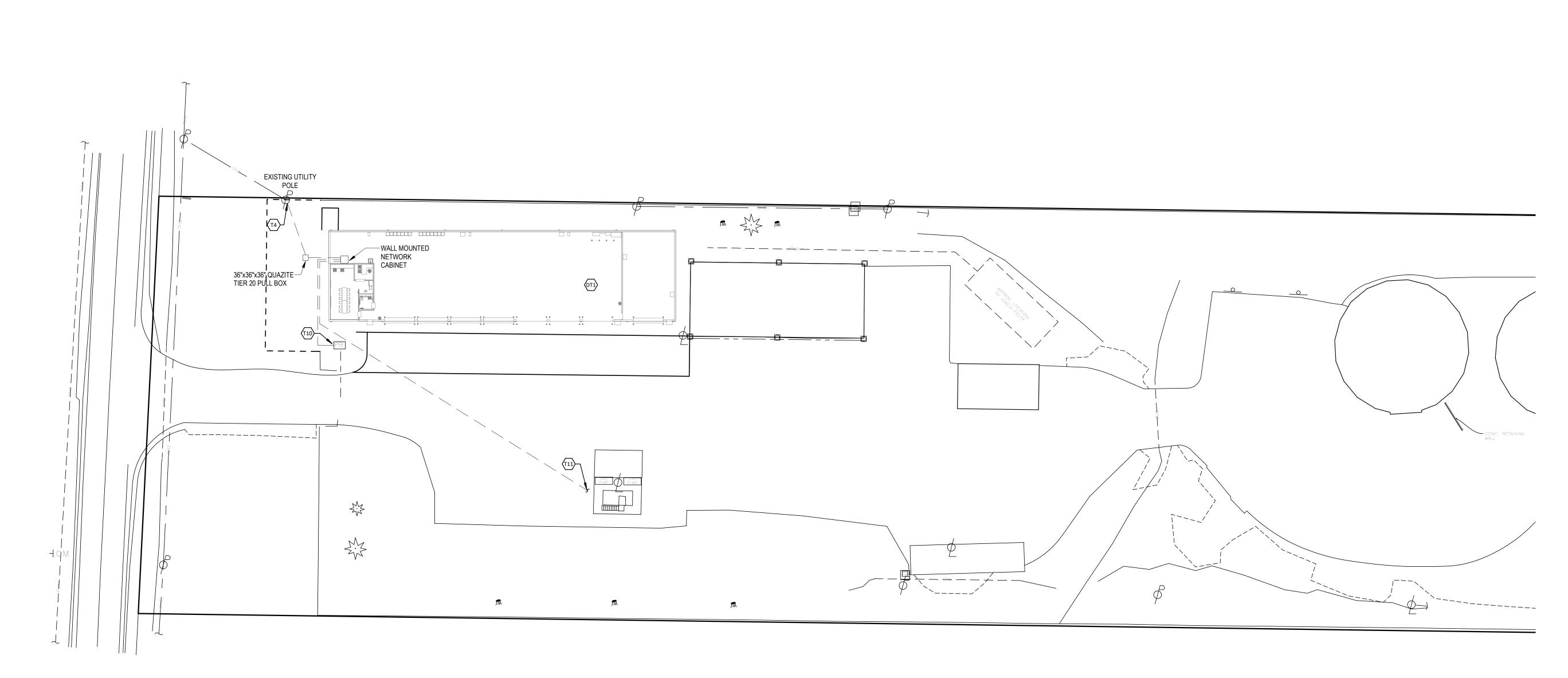
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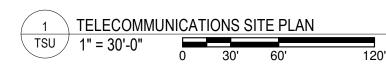
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SHEET TITLE

ELECTRICAL SITE UTILITY PLAN





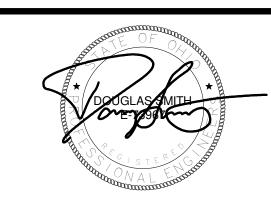


	PLAN NOTES
#	NOTE
DT1	REMOVE SECURITY AND ACCESS CONTROL EQUIPMENT FROM BUILDING TO BE DEMOLISHED. TURN OVER TO NWOSS FOR REINSTALLATION.
T4	(3) 4" UNDERGROUND CONDUITS TO UTILITY POLE. ONE FOR FIBER OPTIC CABLE, ONE FOR TELEPHONE SERVICE AND ONE SPARE. ALL CONDUITS BELOW PAVING OR SIDEWALKS SHALL BE CONCRETE ENCASED.
T10	PROVIDE 2-1/2" CONDUIT WITH WET RATED CAT 6 CABLE AND PULL STRING TO GATE CONTROLLER AND (1) 1-1/2" WITH PULL STRING FOR FUTURE CARD READER AND INTERCOM. COORDINATE LOCATIONS IN FIELD.
T11	PROVIDE 2-1/2" CONDUIT WITH WET RATED CAT 6 CABLE AND PULL STRING TO FUEL ISLAND FOR DATA AND FUTURE SECURITY AND (1) 1" CONDUIT WITH PULL STRING TO FUEL ISLAND LIGHT POLE. COORDINATE STUB UP LOCATIONS IN FIFLD.



Jerome M. Scott
Architects
1020 Goodale Blvd
Columbus, Ohio
43212





DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

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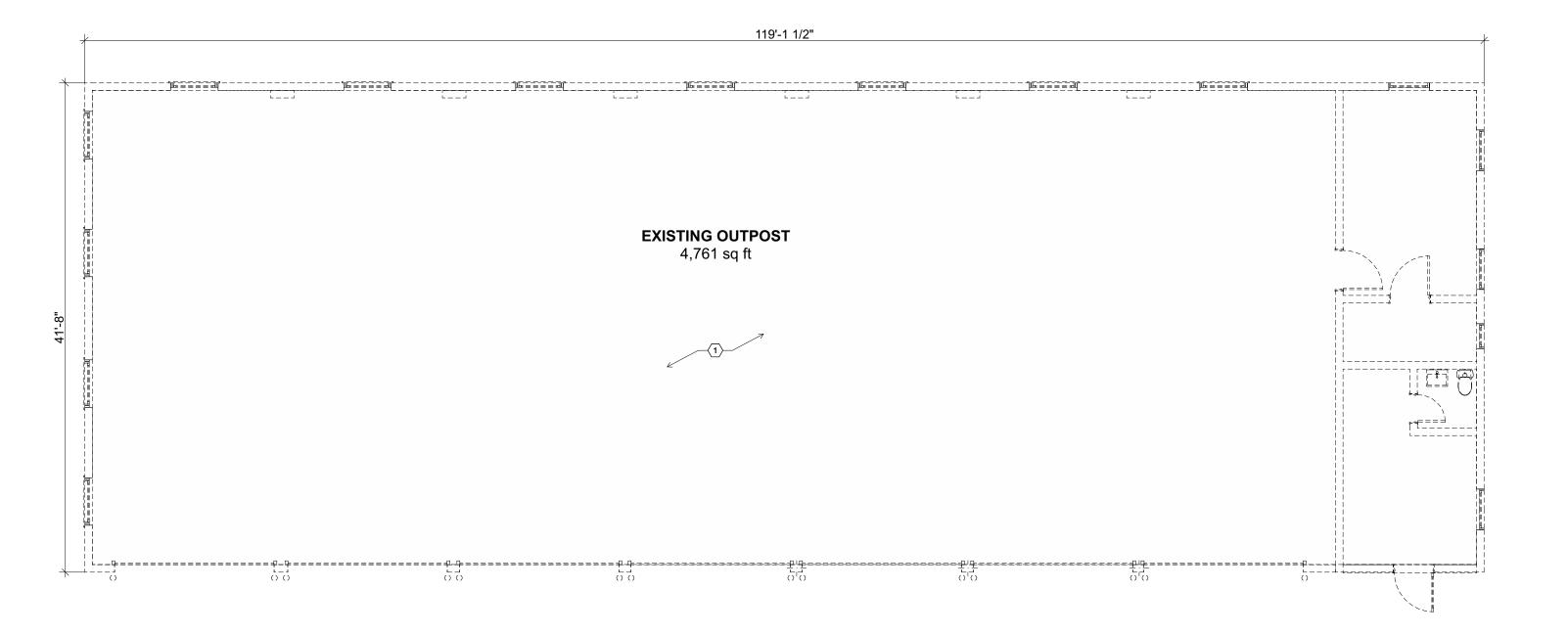
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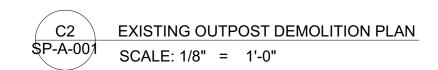
TECHNOLOGY SITE UTILITY PLAN

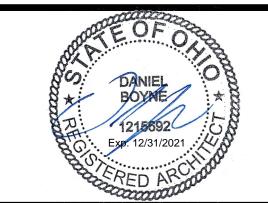
TSL



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SHEET TITLE

EXISTING BUILDING DEMOLITION PLANS

SP-A-001

DEMOLITION PLAN CODED NOTES:
① DEMO EXISTING MASONRY AND STEEL STRUCTURE INCLUDING SLAB AND ALL ASSOCIATED FOUNDATIONS AND

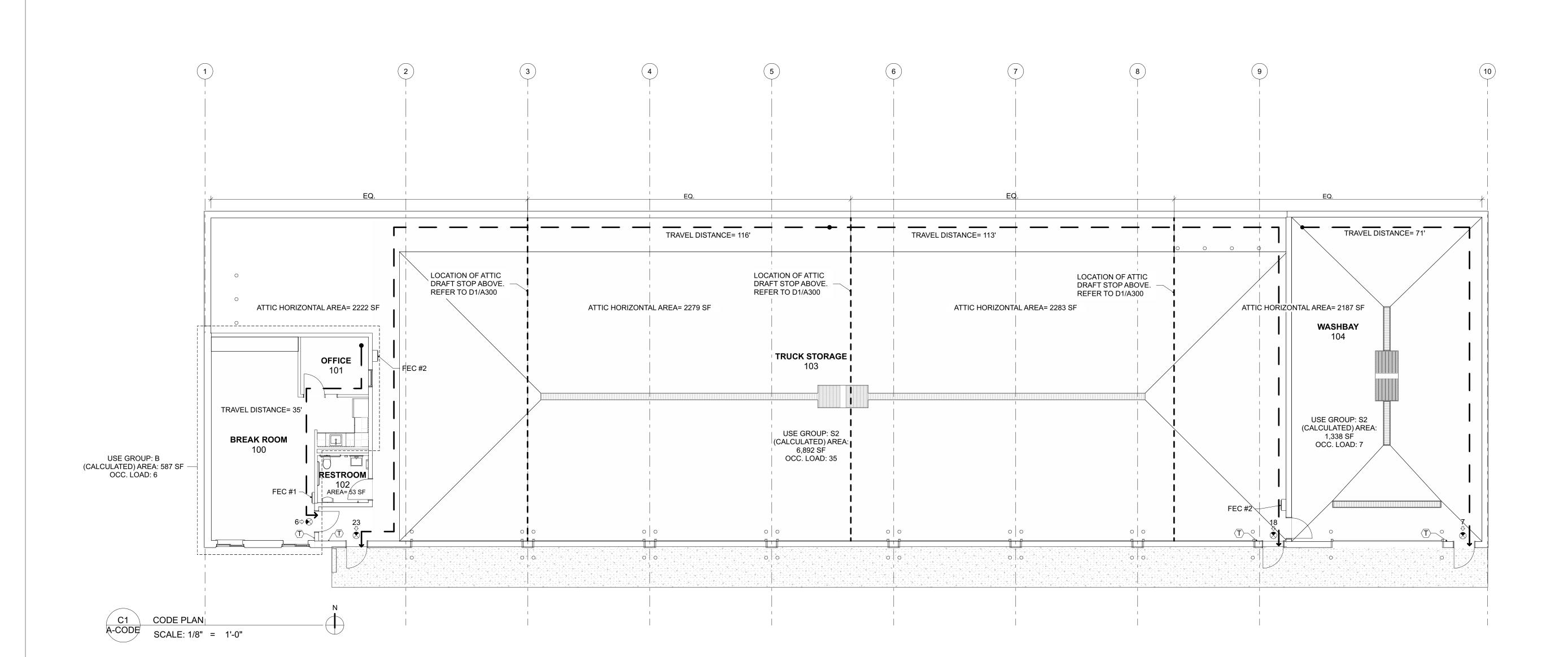
UTILITIES.

SPECIFICATION NOTES:

2. REFER TO SPECIFICATION 00 31 26 FOR EXISTING HAZARDOUS MATERIALS INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ABATEMENT OF HAZARDOUS MATERIALS AS REQUIRED TO COMPLETE THE DEMOLITION SCOPE IN ACCORDANCE WITH REGULATORY REQUIREMENTS.

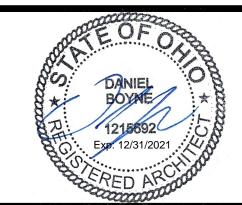
3. REFER TO SITE UTILITY PLANS FOR ADDITIONAL NOTES REGARDING DEMOLITION OF EXISTING SITE UTILITIES.

4. COORDINATE ALL WORK WITH CIVIL PLANS.





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SHEET TITLE

GENERAL NOTES:

- : INDICATES EGRESS PATH

* FEC # 1:5 LB MULTI-PURPOSE FIRE-EXTINGUISHER AND SEMI-RECESSED CABINET. REFER TO SPEC 10 44 13 AND 10 44 16.

MOUNTED CABINET. REFER TO SPEC 10 44 13 AND 10 44 16.

* FEC # 2: 10 LB MULTI-PURPOSE FIRE-EXTINGUISHER AND SURFACE-

★ : 26 50 00 ILLUMINATED EXIT SIGN (REFER TO ELECTRICAL)

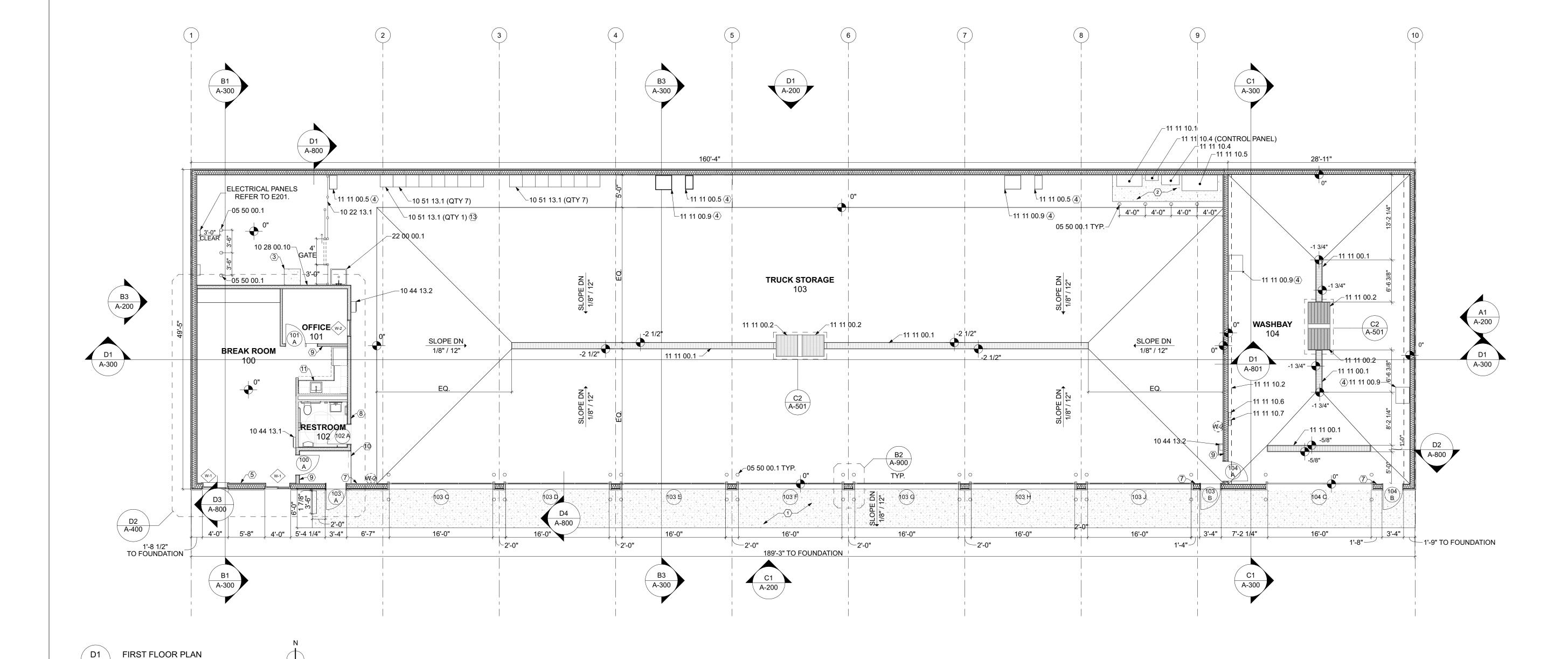
T: TACTILE EXIT SIGN. REFER TO SHEET A-500

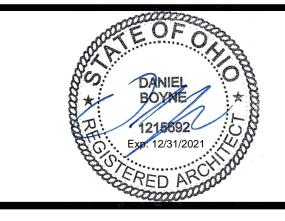
CODE PLAN

A-CODE



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SHEET TITLE

FIRST FLOOR PLAN

PLAN GENERAL NOTES:

- JOINT SEALANT (07 92 00) SHALL BE APPLIED AT ALL JOINTS OF 7. ALL DOORS TO BE LOCATED WITH OUTSIDE EDGE OF FRAME 4" FROM DISSIMILAR MATERIAL.
- MUST BE COORDINATED. SEE STRUCTURAL AND MEP DRAWINGS. COORDINATE FINAL LOCATIONS WITH ARCHITECT. REFER TO CIVIL DRAWINGS FOR CONTINUATION AND LAYOUT
- OF EXTERIOR WALLS, STOOPS, CURBS, ETC. REFER TO STRUCTURAL DRAWINGS FOR CONTROL JOINTS IN INTERIOR CONCRETE SLABS (03 30 00). COORDINATE
- CONCRETE JOINTS WITH THE FINISH FLOOR MATERIALS. CUT HOLES IN WALL PANELS AND PROVIDE WEATHERTIGHT FLASHING BOOTS FOR ALL ROOF AND WALL PENETRATIONS. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OTHER PENETRATIONS WHERE BOOT IS NOT FEASIBLE. THE FINAL
- WEATHER TIGHTNESS OF THE BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR. 6. PROVIDE BLOCKING FOR OVERHEAD DOOR OPENERS, MOTORS, SHAFT SUPPORTS, TRACKS, AND OPERATORS.
- FINISHED FACE OF ADJACENT PARTITION U.N.O. ALL OPENINGS AND THE EQUIPMENT THROUGH OPENINGS 8. PROVIDE SUPPORT STEEL FOR ALL HVAC EQUIPMENT AS
 - RECOMMENDED BY MANUFACTURER. 9. COORDINATE UNDERGROUND UTILITIES WITH THE DEPTH OF TRENCH DRAINS (11 11 00).
 - 10. FINAL ELEVATIONS FOR EACH OF THE TRENCH DRAINS (11 11 00.1) AND CATCH BASINS TO BE COORDINATED WITH THE INSTALLATIONS OF THE CONCRETE FLOORS (03 30 00).
 - 11. ALL SLOPED SLABS SHALL HAVE A CONSISTANT SLOPE.
 - 12. COORDINATE INSTALLATION OF THE TRENCH DRAINS WITH CONCRETE FLOOR CONTROL JOINTS. 13. ALL FURNISHINGS TO BE PROVIDED BY CONTRACTOR U.N.O. REFER TO
 - SPECIFICATION 12 51 00. 14. ALL FASTENERS, HARDWARE, CONDUIT, COVER PLATES, ETC. LOCATED IN WASHBAY TO BE STAINLESS STEEL UNLESS SPECIFICALLY APPROVED A.F.F. FOR FUTURE TV MOUNT (BY OWNER). BY ARCHITECT IN WRITING.

PLAN CODED NOTES:

- angle REINFORCED CONCRETE APRON/STOOP. SLOPE DOWN angle DENOTES COUNTERTOP GROMMET. 1/8" PER FOOT FROM BUILDING. REFER TO STRUCTURAL.
- PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD AT WASHBAY EQUIPMENT, COORDINATE FINAL DIMENSIONS
- (3) PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PADAT MECHANICAL AND/OR ELECTRICAL EQUIPMENT. COORDINATE FINAL DIMENSIONS AND LOCATION WITH
- (4) COORDINATE FINAL MOUNTING HEIGHT/LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. $\langle \overline{5} \rangle$ PROVIDE HORIZONTAL WOOD BLOCKING AT 4', 6', AND 8'.
- $\langle \overline{7} \rangle$ TACTILE EXIT SIGN. REFER TO SHEET A-500. (8) TACTILE RESTROOM SIGN. REFER TO SHEET A-500. 03 30 00.8 GROUT (9) ROOM NAME SIGN. REFER TO SHEET A-500. (10) EXTENTS OF EPOXY FLOORING SYSTEM. PROVIDE KEYED EDGE TRANSITION. CONTINUE EPOXY FLOORING AND INTERNAL BASE BELOW AND BEHIND BASE CABINETS. 12 LOCATION OF IN-GROUND LOOP DETECTION FOR UNDERCARRIAGE WASH.

(13) ACCESSIBLE LOCKER. REFER TO DETAIL D4/

- 03 30 00.1 CAST IN-PLACE CONCRETE 03 30 00.2 TEXTURED/PIGMENTED CONCRETE 03 30 00.3 VAPOR BARRIER
- 03 30 00.4 GRAVEL BASE 03 30 00.7 EXPANSION JT 05 50 00.2 HDPE BOLLARD COVER 06 10 00.1 WOOD FRAMING 06 10 00.2 WOOD FURRING @ 24" O.C.
 - 06 16 00.1 5/8" SHEATHING 06 16 00.2 ROOF SHEATHING 06 41 16.1 CABINET 06 41 16.2 SOLID SURFACE COUNTERTOP 06 41 16.3 SOLID SURFACE WINDOW SILL 07 21 00.1 FOUNDATION INSULATION 07 21 00.2 BATT INSULATION 07 21 00.3 RIGID INSULATION

07 41 13.3 METAL DOWNSPOUTS

SPECIFICATION NOTES:

- 08 80 00.1 GLAZING 07 21 00.4 INSULATION BAFFLE 09 22 16.1 METAL "Z" FURRING 09 29 00.1 5/8" GYPSUM BOARD 07 25 00.1 AIR BARRIFR 07 41 13.1 METAL ROOF PANELS 09 29 00.2 1/2" GYPSUM BOARD 07 41 13.2 METAL GUTTERS 09 29 00.3 SOUND ATTENUATION BLANKETS
- 07 41 13.5 CAST-IRON DOWNSPOUT BOOT 09 51 13.1 ACOUSTICAL CEILING TILE 07 41 13.6 METAL FASCIA 09 65 13.1 RESILIENT BASE 07 41 13.7 UNDERLAYMENT 09 67 00.1 EPOXY FLOORING SYSTEM 07 41 13.8 PERFORATED METAL SOFFIT PANEL 09 77 00.1 FRP PANELS 07 42 13.1 METAL WALL PANELS 05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS 07 62 00.1 METAL FLASHING
 - 07 72 53.1 SNOW GUARD 07 92 00.1 JOINT SEALANTS 08 11 13.1 HOLLOW METAL DOORS/FRAMES 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 31 13.1 ACCESS PANEL 08 36 13.1 OVERHEAD SECTIONAL DOORS 08 36 14.1 WASHBAY OVERHEAD DOORS 08 43 13.1 ALUMINUM FRAME STOREFRONTS 08 51 13.1 ALUMINUM WINDOWS

07 41 13.4 METAL ROOF RIDGE VENT

09 29 00.4 TILE BACKING PANELS

10 11 00.2 TACK BOARD 10 22 13.1 WIRE MESH PARTITION 10 28 00.4 SOAP DISPENSER 10 28 00.5 GRAB BAR 10 28 00.7 COAT HOOK

10 51 13.1 LOCKERS

10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 10 28 00.3 WASTE RECEPTACLE 10 28 00.6 SANITARY NAPKIN DISPOSAL 10 28 00.8 FRAMED MIRROR UNIT 10 28 00.9 UNDER LAVATORY GUARD

09 30 00.1 CERAMIC TILE

- 10 28 00.10 MOP HOLDER / SHELF 10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET 10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET
- 09 77 00.2 INTERLOCKING PVC PANELS 11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM 11 11 10.3 UNDERCARRIAGE WASH 09 96 00.1 EPOXY PAINT 10 11 00.1 MARKER BOARD 11 11 10.4 VEHICLE WASH PUMP 11 11 10.5 VECHICLE WASH TANK 11 11 10.6 PRESSURE WASHER REMOTE SYSTEM 11 11 10.7 VEHICLE WASH SWITCH 11 30 13.1 MICROWAVE 11 30 13.2 REFRIGERATOR
 - 12 21 13.1 HORIZONTAL LOUVER BLINDS
 - 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 22 47 00.1 BOTTLE FILLER 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL) 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL) 26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL)

11 11 00.1 TRENCH DRAIN

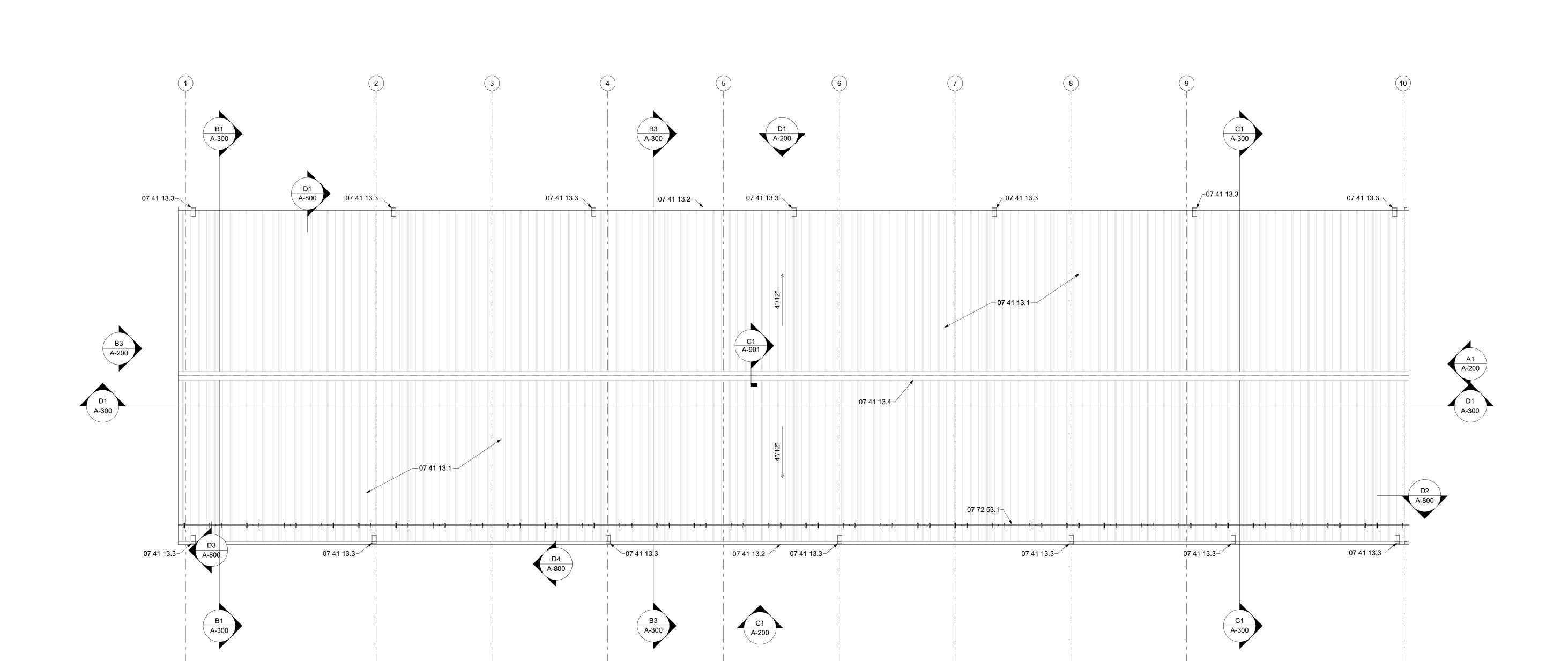
11 11 00.2 TRENCH DRAIN CATCH BASIN

11 11 00.5 COMPRESSED AIR REEL

11 11 00.9 WATER REEL AND HOSE

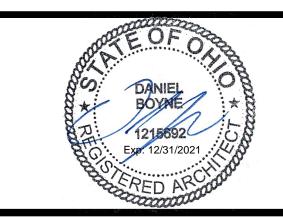
11 11 10.1 PRESSURE WASHER

33 46 00.1 FOUNDATION DRAIN





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SHEET TITLE

ROOF PLAN

PLAN GENERAL NOTES:

- DISSIMILAR MATÈRIAL.
- ALL OPENINGS AND THE EQUIPMENT THROUGH OPENINGS MUST BE COORDINATED. SEE STRUCTURAL AND MEP DRAWINGS. COORDINATED FINAL LOCATIONS WITH ARCHITECT.
- REFER TO CIVIL DRAWINGS FOR CONTINUATION AND LAYOUT OF EXTERIOR WALLS, STOOPS, CURBS, ETC.
- REFER TO STRUCTURAL DRAWINGS FOR CONTROL JOINTS IN INTERIOR CONCRETE SLABS (03 30 00). COORDINATE CONCRETE JOINTS WITH THE FINISH FLOOR MATERIALS.
- CUT HOLES IN WALL PANELS AND PROVIDE WEATHERTIGHT FLASHING BOOTS FOR ALL ROOF AND WALL PENETRATIONS. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OTHER PENETRATIONS WHERE BOOT IS NOT FEASIBLE. THE FINAL WEATHER TIGHTNESS OF THE BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE BLOCKING FOR OVERHEAD DOOR OPENERS, MOTORS, SHAFT SUPPORTS, TRACKS, AND OPERATORS.
- FINISHED FACE OF ADJACENT PARTITION U.N.O.
- PROVIDE SUPPORT STEEL FOR ALL HVAC EQUIPMENT AS RECOMMENDED BY MANUFACTURER.
- DRAINS (11 11 00). 10. FINAL ELEVATIONS FOR EACH OF THE TRENCH DRAINS (11 11 00.1) AND
- 11. ALL SLOPED SLABS SHALL HAVE A CONSISTANT SLOPE.
- 12. COORDINATE INSTALLATION OF THE TRENCH DRAINS WITH CONCRETE
- 13. ALL FURNISHINGS TO BE PROVIDED BY CONTRACTOR U.N.O. REFER TO SPECIFICATION 12 51 00.

03 30 00.1 CAST IN-PLACE CONCRETE

- 07 41 13.4 METAL ROOF RIDGE VENT 03 30 00.2 TEXTURED/PIGMENTED CONCRETE 07 41 13.5 CAST-IRON DOWNSPOUT BOOT 03 30 00.3 VAPOR BARRIER 07 41 13.6 METAL FASCIA 03 30 00.4 GRAVEL BASE 07 41 13.7 UNDERLAYMENT
- 03 30 00.7 EXPANSION JT 03 30 00.8 GROUT 05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS
- 05 50 00.2 HDPE BOLLARD COVER 06 10 00.1 WOOD FRAMING 06 10 00.2 WOOD FURRING @ 24" O.C. 06 16 00.1 5/8" SHEATHING
- 06 16 00.2 ROOF SHEATHING 06 41 16.1 CABINET

07 25 00.1 AIR BARRIER

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

- 06 41 16.2 SOLID SURFACE COUNTERTOP 06 41 16.3 SOLID SURFACE WINDOW SILL 07 21 00.1 FOUNDATION INSULATION 07 21 00.2 BATT INSULATION 07 21 00.3 RIGID INSULATION 07 21 00.4 INSULATION BAFFLE
- 07 41 13.8 PERFORATED METAL SOFFIT PANEL 07 42 13.1 METAL WALL PANELS 07 62 00.1 METAL FLASHING 07 72 53.1 SNOW GUARD 07 92 00.1 JOINT SEALANTS 08 11 13.1 HOLLOW METAL DOORS/FRAMES 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 31 13.1 ACCESS PANEL

09 22 16.1 METAL "Z" FURRING

09 29 00.1 5/8" GYPSUM BOARD

09 29 00.2 1/2" GYPSUM BOARD

09 29 00.4 TILE BACKING PANELS

09 29 00.3 SOUND ATTENUATION BLANKETS

- 10 11 00.1 MARKER BOARD 10 11 00.2 TACK BOARD 08 36 13.1 OVERHEAD SECTIONAL DOORS 08 36 14.1 WASHBAY OVERHEAD DOORS 08 43 13.1 ALUMINUM FRAME STOREFRONTS 08 51 13.1 ALUMINUM WINDOWS 08 80 00.1 GLAZING
 - 10 22 13.1 WIRE MESH PARTITION 10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 10 28 00.3 WASTE RECEPTACLE 10 28 00.4 SOAP DISPENSER 10 28 00.5 GRAB BAR 10 28 00.6 SANITARY NAPKIN DISPOSAL 10 28 00.7 COAT HOOK 10 28 00.8 FRAMED MIRROR UNIT 10 28 00.9 UNDER LAVATORY GUARD 10 28 00.10 MOP HOLDER / SHELF 10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

09 30 00.1 CERAMIC TILE

09 77 00.1 FRP PANELS

09 96 00.1 EPOXY PAINT

10 51 13.1 LOCKERS

09 65 13.1 RESILIENT BASE

09 51 13.1 ACOUSTICAL CEILING TILE

09 67 00.1 EPOXY FLOORING SYSTEM

09 77 00.2 INTERLOCKING PVC PANELS

- 11 11 10.5 VECHICLE WASH TANK 11 11 10.6 PRESSURE WASHER REMOTE SYSTEM
 - 11 11 10.7 VEHICLE WASH SWITCH 11 30 13.1 MICROWAVE 11 30 13.2 REFRIGERATOR 22 47 00.1 BOTTLE FILLER

11 11 00.1 TRENCH DRAIN

11 11 00.2 TRENCH DRAIN CATCH BASIN

11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM

11 11 00.5 COMPRESSED AIR REEL

11 11 00.9 WATER REEL AND HOSE

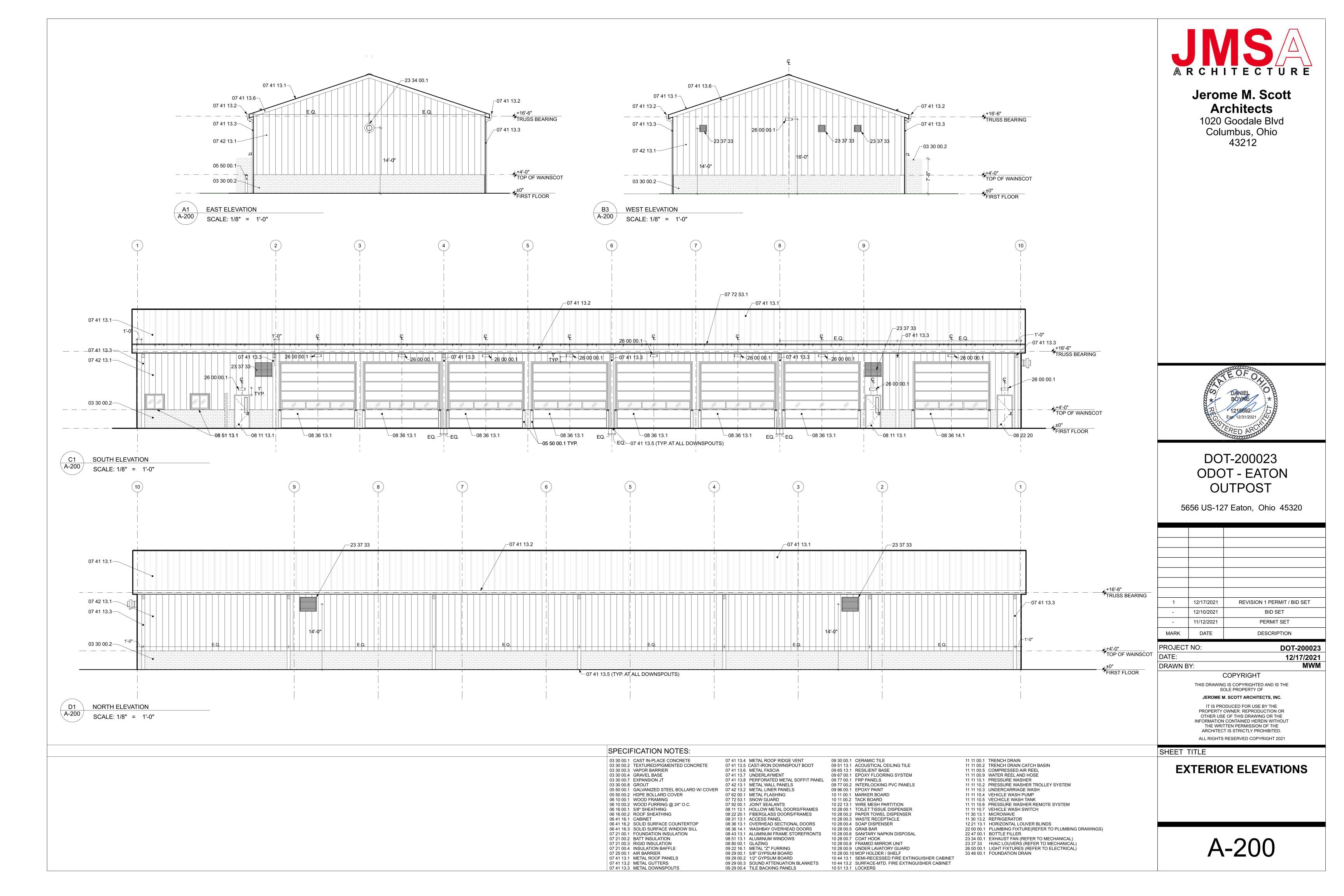
11 11 10.3 UNDERCARRIAGE WASH

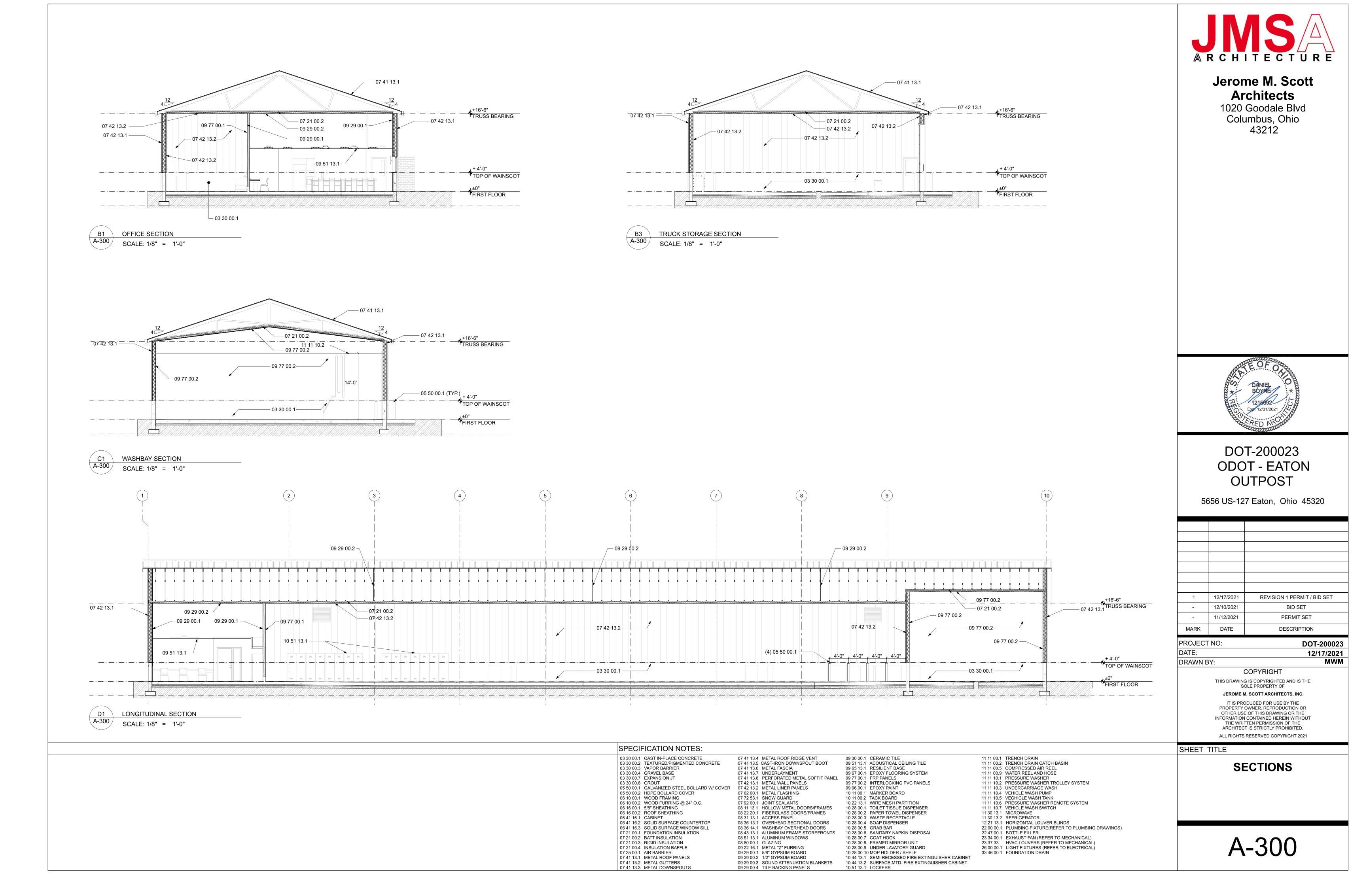
11 11 10.4 VEHICLE WASH PUMP

11 11 10.1 PRESSURE WASHER

- 12 21 13.1 HORIZONTAL LOUVER BLINDS 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL)
- 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL) 26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL) 33 46 00.1 FOUNDATION DRAIN

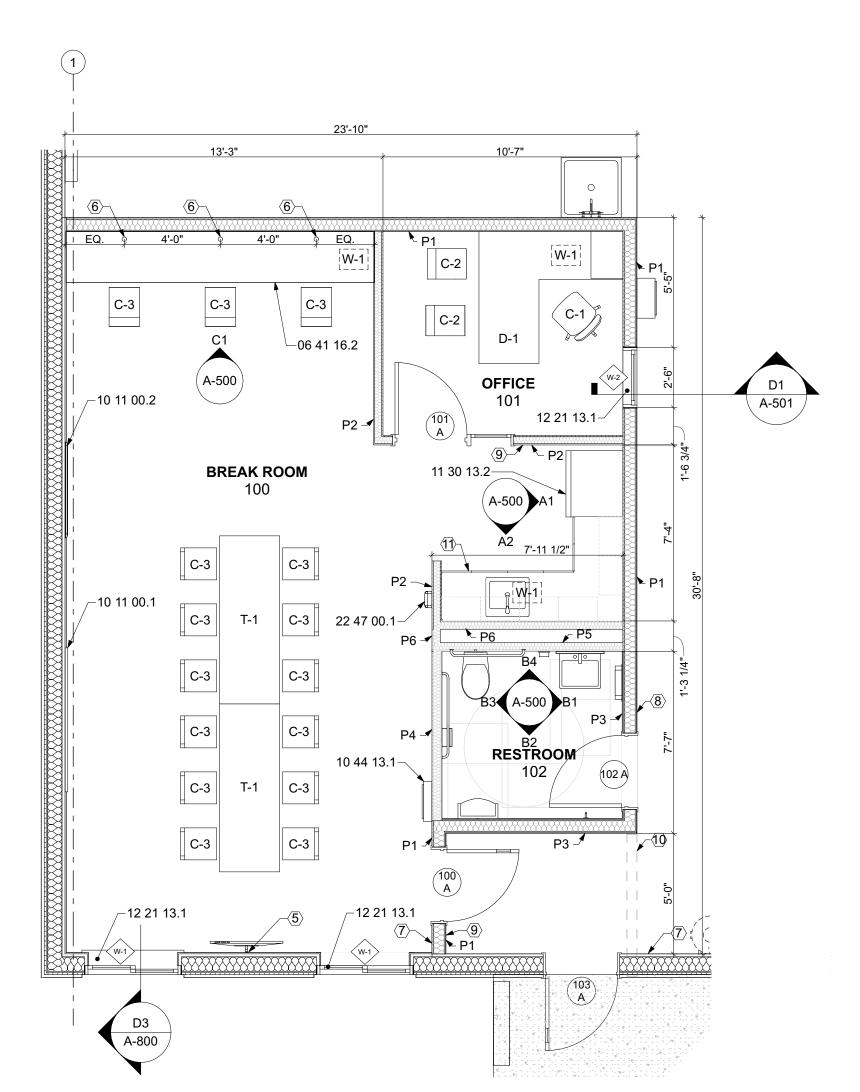
- SPECIFICATION NOTES: JOINT SEALANT (07 92 00) SHALL BE APPLIED AT ALL JOINTS OF 7. ALL DOORS TO BE LOCATED WITH OUTSIDE EDGE OF FRAME 4" FROM
 - COORDINATE UNDERGROUND UTILITIES WITH THE DEPTH OF TRENCH
 - CATCH BASIN TO BE COORDINATED WITH THE INSTALLATIONS OF THE CONCRETE FLOORS (03 30 00).
 - FLOOR CONTROL JOINTS.
 - 14. ALL FASTENERS, HARDWARE, CONDUIT, COVER PLATES, ETC. LOCATED IN WASHBAY TO BE STAINLESS STEEL UNLESS SPECIFICALLY APPROVED BY ARCHITECT IN WRITING.







1020 Goodale Blvd Columbus, Ohio 43212



ENLARGED OFFICE PLAN

FURNITURE SCHEDULE: (REFER TO SPECIFICATION 12 15 00)

- C-1 MID-BACK TASK CHAIR (QTY 1)
- C-2 GUEST CHAIR (QTY 2)
- C-3 STACKING CHAIR (QTY 17)
- DESK W/ RIGHT RETURN, FULL MODESTY, BBF + FF (QTY 1)
- 84"x30" LAMINATE NESTING TABLE (QTY 2)
- 7 GALLON PLASTIC WASTE RECEPTACLE (QTY 3)
- 35 GALLON PLASTIC OPEN TOP WASTE RECEPTACLE (QTY 2)

OF OLD	
DANIEL BOYNE *	
1215692 Exp: 12/31/2021	
RED ARCOND	

DOT-200023 **ODOT - EATON** OUTPOST

5656 US-127 Eaton, Ohio 45320

1	12/17/2021	REVISION 1 PERMIT / BID SET
1	12/10/2021	BID SET
-	11/12/2021	PERMIT SET
MARK	DATE	DESCRIPTION

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ENLARGED OFFICE PLAN

SHEET TITLE

PLAN GENERAL NOTES:

- DISSIMILAR MATERIAL.
- ALL OPENINGS AND THE EQUIPMENT THROUGH OPENINGS 8. PROVIDE SUPPORT STEEL FOR ALL HVAC EQUIPMENT AS MUST BE COORDINATED. SEE STRUCTURAL AND MEP DRAWINGS. COORDINATE FINAL LOCATIONS WITH ARCHITECT. REFER TO CIVIL DRAWINGS FOR CONTINUATION AND LAYOUT
- OF EXTERIOR WALLS, STOOPS, CURBS, ETC. REFER TO STRUCTURAL DRAWINGS FOR CONTROL JOINTS IN
- INTERIOR CONCRETE SLABS (03 30 00). COORDINATE CONCRETE JOINTS WITH THE FINISH FLOOR MATERIALS. CUT HOLES IN WALL PANELS AND PROVIDE WEATHERTIGHT
- FLASHING BOOTS FOR ALL ROOF AND WALL PENETRATIONS. CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OTHER PENETRATIONS WHERE BOOT IS NOT FEASIBLE. THE FINAL WEATHER TIGHTNESS OF THE BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 6. PROVIDE BLOCKING FOR OVERHEAD DOOR OPENERS, MOTORS, SHAFT SUPPORTS, TRACKS, AND OPERATORS.

- JOINT SEALANT (07 92 00) SHALL BE APPLIED AT ALL JOINTS OF 7. ALL DOORS TO BE LOCATED WITH OUTSIDE EDGE OF FRAME 4" FROM FINISHED FACE OF ADJACENT PARTITION U.N.O.
 - 9. COORDINATE UNDERGROUND UTILITIES WITH THE DEPTH OF TRENCH DRAINS (11 11 00). 10. FINAL ELEVATIONS FOR EACH OF THE TRENCH DRAINS (11 11 00.1) AND CATCH BASINS TO BE COORDINATED WITH THE INSTALLATIONS OF THE
 - CONCRETE FLOORS (03 30 00). 11. ALL SLOPED SLABS SHALL HAVE A CONSISTANT SLOPE.

RECOMMENDED BY MANUFACTURER.

- 12. COORDINATE INSTALLATION OF THE TRENCH DRAINS WITH CONCRETE FLOOR CONTROL JOINTS.
- 13. ALL FURNISHINGS TO BE PROVIDED BY CONTRACTOR U.N.O. REFER TO SPECIFICATION 12 51 00.
- 14. ALL FASTENERS, HARDWARE, CONDUIT, COVER PLATES, ETC. LOCATED $|\langle \overline{5} \rangle|$ PROVIDE HORIZONTAL WOOD BLOCKING AT 4', 6', AND 8'. IN WASHBAY TO BE STAINLESS STEEL UNLESS SPECIFICALLY APPROVED A.F.F. FOR FUTURE TV MOUNT (BY OWNER). BY ARCHITECT IN WRITING.

PLAN CODED NOTES:

ARCHITECT.

- angle REINFORCED CONCRETE APRON/STOOP. SLOPE DOWN $\langle \overline{6}
 angle$ DENOTES COUNTERTOP GROMMET. 1/8" PER FOOT FROM BUILDING. REFER TO STRUCTURAL.
- PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD AT WASHBAY EQUIPMENT, COORDINATE FINAL DIMENSIONS
- (3) PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PADAT MECHANICAL AND/OR ELECTRICAL EQUIPMENT. COORDINATE FINAL DIMENSIONS AND LOCATION WITH
- (4) COORDINATE FINAL MOUNTING HEIGHT/LOCATION WITH (12) LOCATION OF IN-GROUND LOOP DETECTION FOR ARCHITECT PRIOR TO INSTALLATION.

- $\langle \overline{7} \rangle$ TACTILE EXIT SIGN. REFER TO SHEET A-500. (8) TACTILE RESTROOM SIGN. REFER TO SHEET A-500. 03 30 00.8 GROUT
- (9) ROOM NAME SIGN. REFER TO SHEET A-500. (10) EXTENTS OF EPOXY FLOORING SYSTEM. PROVIDE 06 16 00.1 5/8" SHEATHING KEYED EDGE TRANSITION.
- CONTINUE EPOXY FLOORING AND INTERNAL BASE 06 41 16.1 CABINET 06 41 16.2 SOLID SURFACE COUNTERTOP BELOW AND BEHIND BASE CABINETS.
- UNDERCARRIAGE WASH.

SPECIFICATION NOTES:

- 03 30 00.1 CAST IN-PLACE CONCRETE 07 41 13.4 METAL ROOF RIDGE VENT 03 30 00.2 TEXTURED/PIGMENTED CONCRETE 03 30 00.3 VAPOR BARRIER 03 30 00.4 GRAVEL BASE 03 30 00.7 EXPANSION JT
- 05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS 05 50 00.2 HDPE BOLLARD COVER 06 10 00.1 WOOD FRAMING
- 06 10 00.2 WOOD FURRING @ 24" O.C. 06 16 00.2 ROOF SHEATHING
- 06 41 16.3 SOLID SURFACE WINDOW SILL 07 21 00.1 FOUNDATION INSULATION 07 21 00.2 BATT INSULATION 07 21 00.3 RIGID INSULATION 07 21 00.4 INSULATION BAFFLE 07 25 00.1 AIR BARRIER

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

- 07 41 13.5 CAST-IRON DOWNSPOUT BOOT 07 41 13.6 METAL FASCIA 07 41 13.7 UNDERLAYMENT 07 41 13.8 PERFORATED METAL SOFFIT PANEL 09 77 00.1 FRP PANELS 07 42 13.1 METAL WALL PANELS 07 62 00.1 METAL FLASHING 07 72 53.1 SNOW GUARD
- 07 92 00.1 JOINT SEALANTS 08 11 13.1 HOLLOW METAL DOORS/FRAMES 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 31 13.1 ACCESS PANEL 08 36 13.1 OVERHEAD SECTIONAL DOORS 08 36 14.1 WASHBAY OVERHEAD DOORS

09 29 00.2 1/2" GYPSUM BOARD

09 29 00.4 TILE BACKING PANELS

08 43 13.1 ALUMINUM FRAME STOREFRONTS 08 51 13.1 ALUMINUM WINDOWS 08 80 00.1 GLAZING 09 22 16.1 METAL "Z" FURRING 10 28 00.10 MOP HOLDER / SHELF 09 29 00.1 5/8" GYPSUM BOARD

09 29 00.3 SOUND ATTENUATION BLANKETS

10 11 00.1 MARKER BOARD 10 11 00.2 TACK BOARD 10 22 13.1 WIRE MESH PARTITION 10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 10 28 00.3 WASTE RECEPTACLE 10 28 00.4 SOAP DISPENSER 10 28 00.5 GRAB BAR 10 28 00.7 COAT HOOK

10 51 13.1 LOCKERS

09 30 00.1 CERAMIC TILE

09 96 00.1 EPOXY PAINT

09 65 13.1 RESILIENT BASE

09 51 13.1 ACOUSTICAL CEILING TILE

09 67 00.1 EPOXY FLOORING SYSTEM

09 77 00.2 INTERLOCKING PVC PANELS

10 28 00.6 SANITARY NAPKIN DISPOSAL 10 28 00.8 FRAMED MIRROR UNIT 10 28 00.9 UNDER LAVATORY GUARD

10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

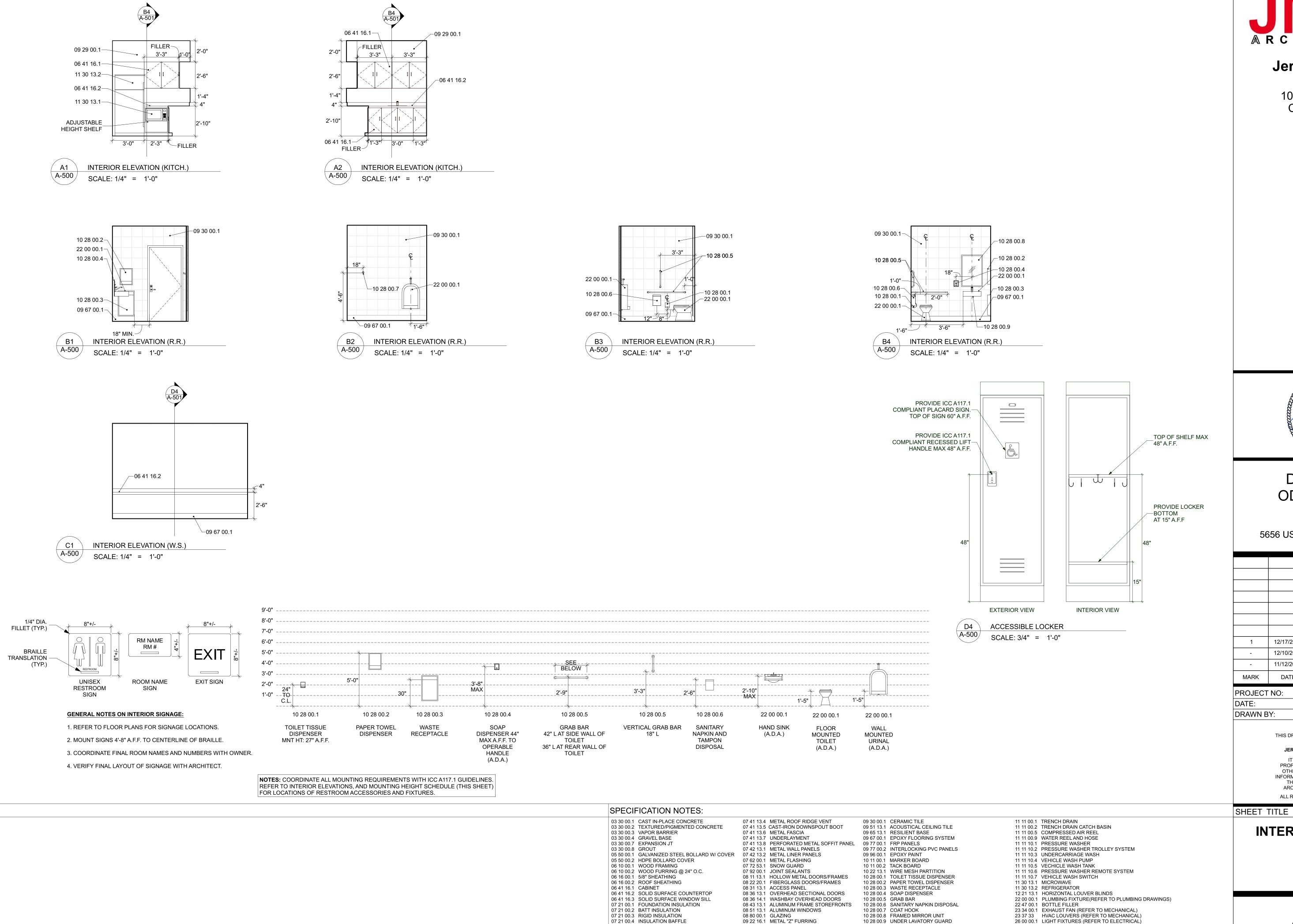
11 11 00.5 COMPRESSED AIR REEL 11 11 00.9 WATER REEL AND HOSE 11 11 10.1 PRESSURE WASHER

11 11 00.1 TRENCH DRAIN

11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM 11 11 10.3 UNDERCARRIAGE WASH 11 11 10.4 VEHICLE WASH PUMP 11 11 10.5 VECHICLE WASH TANK

11 11 00.2 TRENCH DRAIN CATCH BASIN

- 11 11 10.6 PRESSURE WASHER REMOTE SYSTEM 11 11 10.7 VEHICLE WASH SWITCH
- 11 30 13.1 MICROWAVE 11 30 13.2 REFRIGERATOR 12 21 13.1 HORIZONTAL LOUVER BLINDS
- 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 22 47 00.1 BOTTLE FILLER 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL) 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL)
- 26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL) 33 46 00.1 FOUNDATION DRAIN



07 25 00.1 AIR BARRIER

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

09 29 00.1 5/8" GYPSUM BOARD

09 29 00.2 1/2" GYPSUM BOARD

09 29 00.4 TILE BACKING PANELS

09 29 00.3 SOUND ATTENUATION BLANKETS

10 28 00.10 MOP HOLDER / SHELF

10 51 13.1 LOCKERS

10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

Jerome M. Scott **Architects**

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DOT-200023 ODOT - EATON OUTPOST

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33 46 00.1 FOUNDATION DRAIN

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DOT-200023

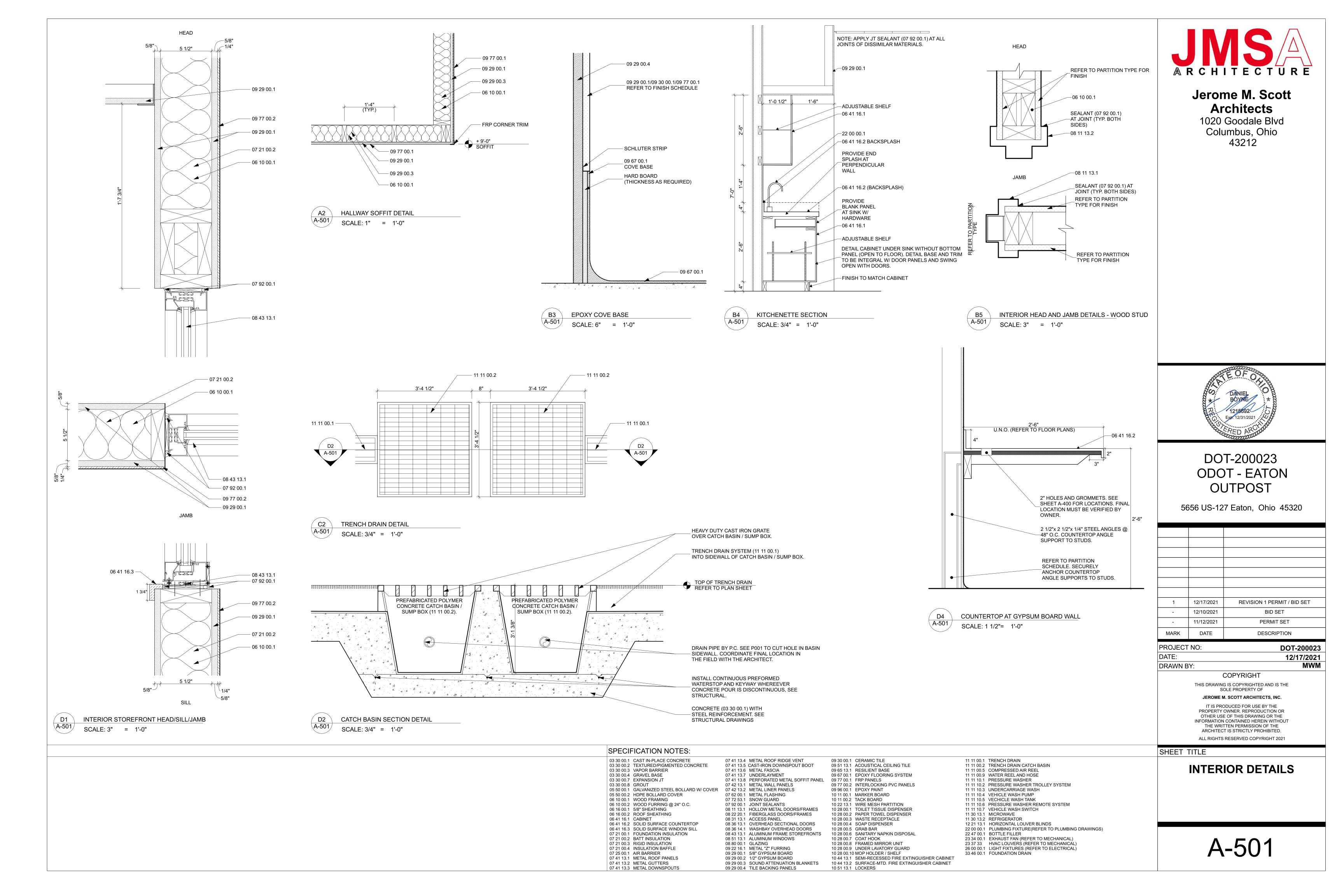
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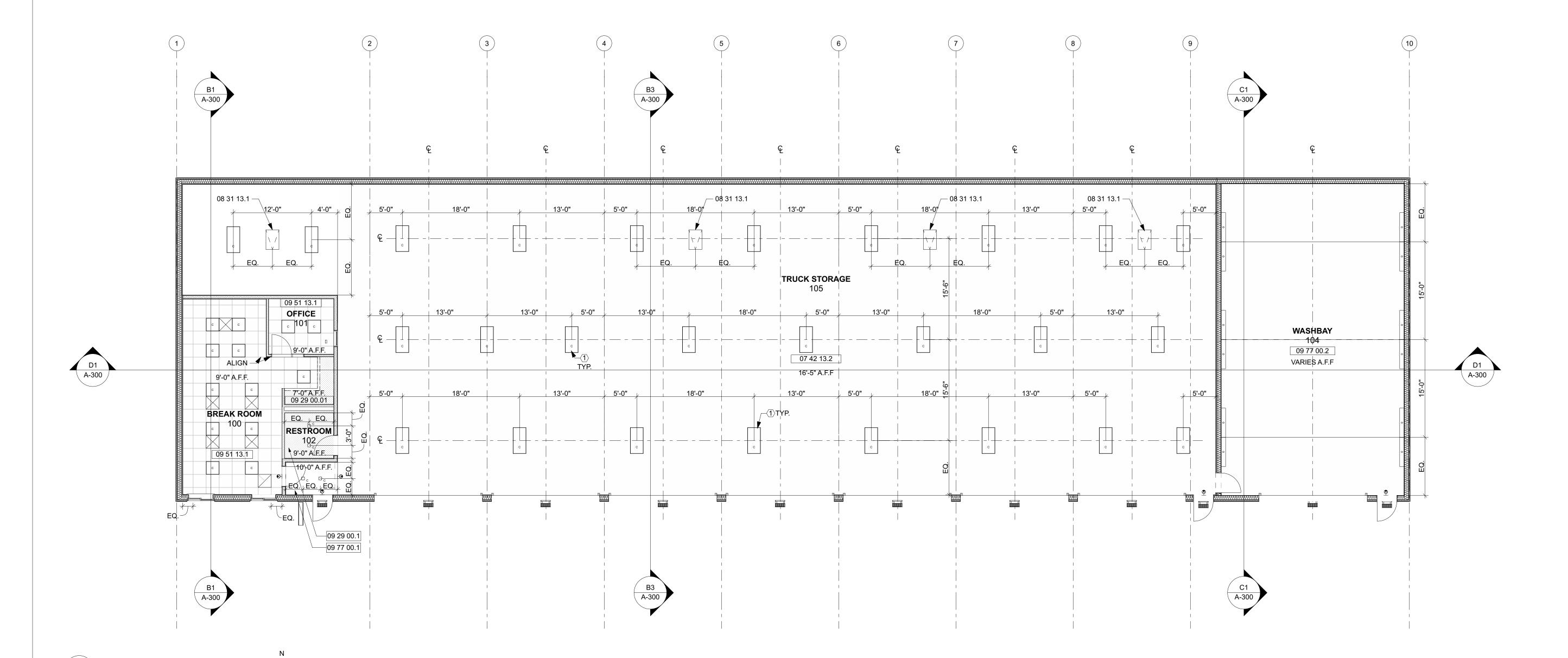
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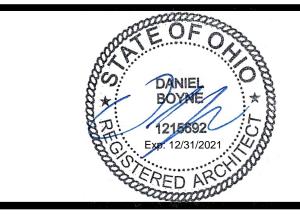
INTERIOR ELEVATIONS





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SHEET TITLE

REFLECTED CEILING PLAN

RE	EFLECTED CEILING PLAN GENERAL NOTES:
1.	SEE MEP FOR FURTHER DETAILS.
2.	REFER TO THE REFLECTED CEILING PLAN FIXTURE SCHEDULE AND CODE SUSPENDED LIGHT FIXTURES.

REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

DED NOTES FOR MOUNTING HEIGHTS OF

3. COORDINATE OVERHEAD SECTIONAL DOORS MOTOR LOCATIONS WITH THE POWER SUPPLY INDICATED ON THE ELECTRICAL DRAWINGS

4. PROVIDE SUPPORT FRAMING AROUND ALL RECESSED LIGHTING FIXTURES.

5. PROVIDE SEALANT BETWEEN ALL HVAC PENETRATIONS AND GYPSUM BOARD CEILINGS.

VERIFY ALL STRUCTURAL MEMBERS AND CONNECTIONS INCLUDING LOAD REQUIREMENTS FOR EQUIPMENT AND AUXILIARY ITEMS ATTACHED TO THE BUILDING STRUCTURE.

PRIVDE FRAMING FOR EXHAUST FANS (23 24 00.1). REFER TO HVAC DRAWINGS.

COORDINATE THE LOCATIONS OF ALL OVERHEAD DOOR TRACKS, LIGHT FIXTURES, HCAV EQUIPMENT, AND

9. REFER TO ELECTRICAL DRAWINGS AND ELEVATIONS (A-200) FOR LOCATIONS OF EXTERIOR LIGHTING FIXTURES (26 00 00.1).

CODED NOTES: ① BOTTOM OF HIGH BAY LIGHT FIXTURES +/- 19'-0" A.F.F. COORDINATE WITH OVERHEAD DOOR HARDWARE

26 50 00 - EXIT SIGNAGE (REFER TO ELECTRICAL DRAWINGS) 26 50 00 - EXTERIOR SURFACE MOUNTED LIGHT FIXTURE 03 30 00.4 GRAVEL BASE (REFER TO ELECTRICAL DRAWINGS) 26 50 00 - RECESSED LIGHT FIXTURE (REFER TO ELECTRICAL DRAWINGS) 26 50 00 - SURFACE MTD LIGHT FIXTURE

23 37 13 - RETURN GRILLE

INDICATES GYPSUM BOARD

FIXTURE SCHEDULE

06 10 00.1 WOOD FRAMING (REFER TO ELECTRICAL DRAWINGS) 06 16 00.1 5/8" SHEATHING 26 50 00 - 24"X24" RECESSED LIGHT FIXTURE 06 16 00.2 ROOF SHEATHING (REFER TO ELECTRICAL DRAWINGS) 06 41 16.1 CABINET 26 50 00 - SUSPENDED HIGH BAY LIGHT FIXTURE (REFER TO ELECTRICAL DRAWINGS) 07 21 00.2 BATT INSULATION 23 37 13 - SUPPLY GRILLE 07 21 00.3 RIGID INSULATION (REFER TO HVAC DRAWINGS) 07 21 00.4 INSULATION BAFFLE

(REFER TO HVAC DRAWINGS)

03 30 00.2 TEXTURED/PIGMENTED CONCRETE 07 41 13.6 METAL FASCIA 07 41 13.7 UNDERLAYMENT 07 41 13.8 PERFORATED METAL SOFFIT PANEL 07 42 13.1 METAL WALL PANELS 05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS 05 50 00.2 HDPE BOLLARD COVER 07 62 00.1 METAL FLASHING 07 72 53.1 SNOW GUARD 06 10 00.2 WOOD FURRING @ 24" O.C. 07 92 00.1 JOINT SEALANTS 08 31 13.1 ACCESS PANEL 06 41 16.2 SOLID SURFACE COUNTERTOP 06 41 16.3 SOLID SURFACE WINDOW SILL 07 21 00.1 FOUNDATION INSULATION

SPECIFICATION NOTES:

03 30 00.1 CAST IN-PLACE CONCRETE

03 30 00.3 VAPOR BARRIER

03 30 00.7 EXPANSION JT

07 25 00.1 AIR BARRIER

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

03 30 00.8 GROUT

08 11 13.1 HOLLOW METAL DOORS/FRAMES 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 36 13.1 OVERHEAD SECTIONAL DOORS 08 36 14.1 WASHBAY OVERHEAD DOORS 08 43 13.1 ALUMINUM FRAME STOREFRONTS 08 51 13.1 ALUMINUM WINDOWS 08 80 00.1 GLAZING 09 22 16.1 METAL "Z" FURRING 09 29 00.1 5/8" GYPSUM BOARD 09 29 00.2 1/2" GYPSUM BOARD 09 29 00.3 SOUND ATTENUATION BLANKETS 10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

09 29 00.4 TILE BACKING PANELS

07 41 13.4 METAL ROOF RIDGE VENT

07 41 13.5 CAST-IRON DOWNSPOUT BOOT

09 77 00.1 FRP PANELS 09 77 00.2 INTERLOCKING PVC PANELS 09 96 00.1 EPOXY PAINT 10 11 00.1 MARKER BOARD 10 11 00.2 TACK BOARD 10 22 13.1 WIRE MESH PARTITION 10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 10 28 00.3 WASTE RECEPTACLE 10 28 00.4 SOAP DISPENSER 10 28 00.5 GRAB BAR 10 28 00.6 SANITARY NAPKIN DISPOSAL 10 28 00.7 COAT HOOK 10 28 00.8 FRAMED MIRROR UNIT 10 28 00.9 UNDER LAVATORY GUARD

09 30 00.1 CERAMIC TILE

09 65 13.1 RESILIENT BASE

09 51 13.1 ACOUSTICAL CEILING TILE

09 67 00.1 EPOXY FLOORING SYSTEM

10 28 00.10 MOP HOLDER / SHELF 10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

11 11 10.6 PRESSURE WASHER REMOTE SYSTEM 11 11 10.7 VEHICLE WASH SWITCH 11 30 13.1 MICROWAVE 11 30 13.2 REFRIGERATOR 12 21 13.1 HORIZONTAL LOUVER BLINDS 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 22 47 00.1 BOTTLE FILLER 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL) 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL) 26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL)

11 11 00.1 TRENCH DRAIN

11 11 00.2 TRENCH DRAIN CATCH BASIN

11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM

11 11 00.5 COMPRESSED AIR REEL

11 11 00.9 WATER REEL AND HOSE

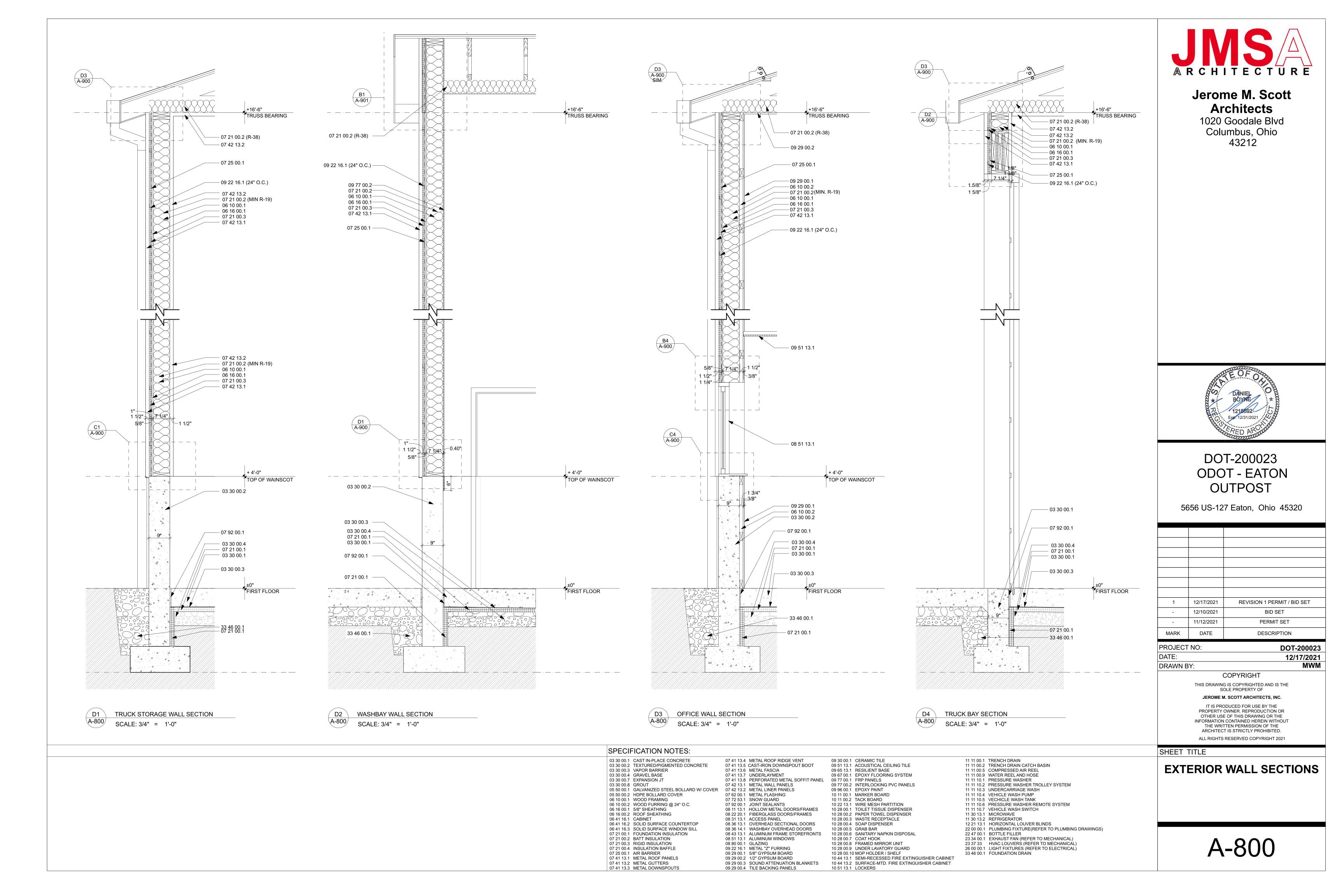
11 11 10.3 UNDERCARRIAGE WASH

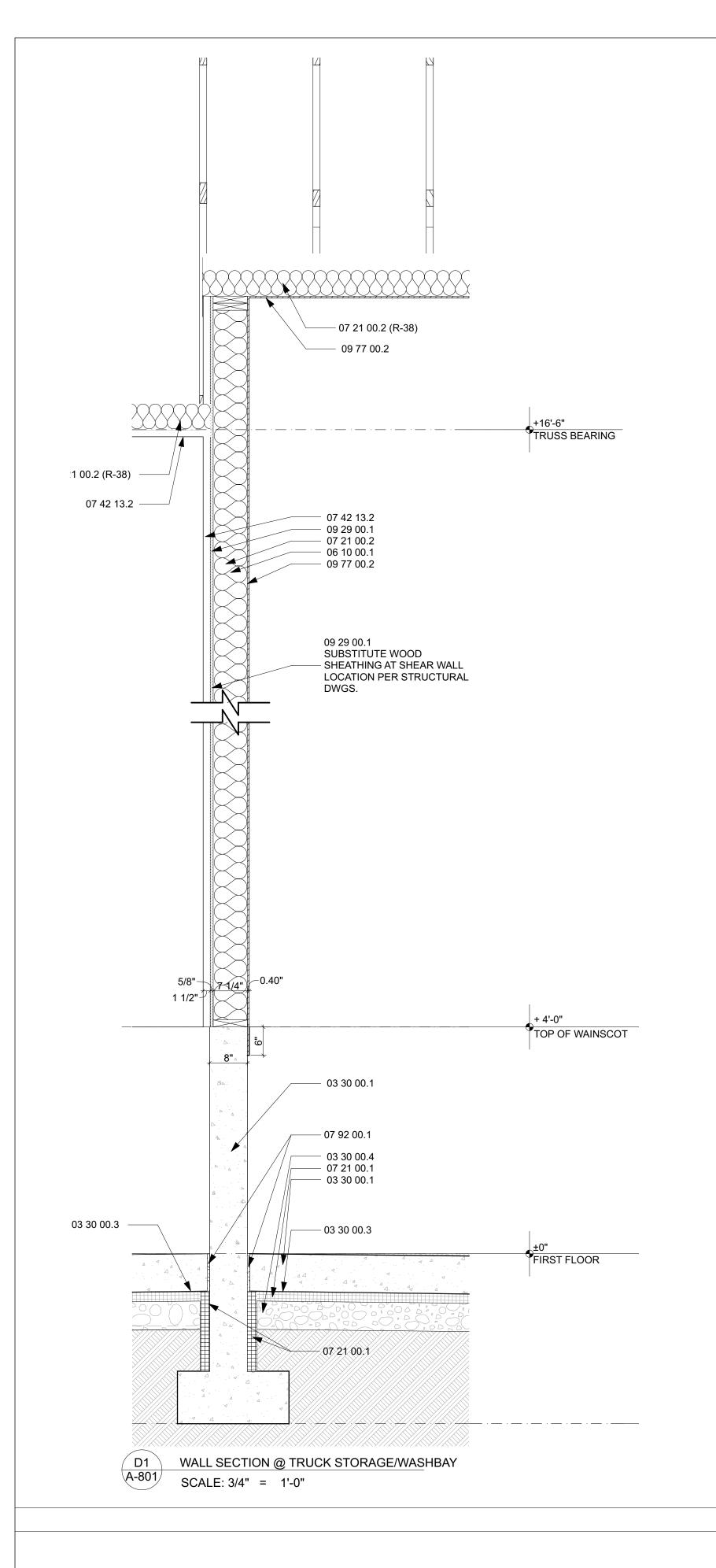
11 11 10.4 VEHICLE WASH PUMP

11 11 10.5 VECHICLE WASH TANK

11 11 10.1 PRESSURE WASHER

33 46 00.1 FOUNDATION DRAIN







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SHEET TITLE

EXTERIOR WALL SECTIONS

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SPECIFICATION NOTES:

07 41 13.2 METAL GUTTERS

07 41 13.3 METAL DOWNSPOUTS

- 03 30 00.1 CAST IN-PLACE CONCRETE 07 41 13.4 METAL ROOF RIDGE VENT 03 30 00.2 TEXTURED/PIGMENTED CONCRETE 07 41 13.5 CAST-IRON DOWNSPOUT BOOT 03 30 00.3 VAPOR BARRIER 07 41 13.6 METAL FASCIA 03 30 00.4 GRAVEL BASE 07 41 13.7 UNDERLAYMENT 03 30 00.7 EXPANSION JT 07 41 13.8 PERFORATED METAL SOFFIT PANEL 09 77 00.1 FRP PANELS 03 30 00.8 GROUT 07 42 13.1 METAL WALL PANELS 05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS 05 50 00.2 HDPE BOLLARD COVER 07 62 00.1 METAL FLASHING 06 10 00.1 WOOD FRAMING 07 72 53.1 SNOW GUARD
- 06 10 00.2 WOOD FURRING @ 24" O.C. 07 92 00.1 JOINT SEALANTS
- 06 16 00.1 5/8" SHEATHING 06 16 00.2 ROOF SHEATHING 06 41 16.1 CABINET 06 41 16.2 SOLID SURFACE COUNTERTOP 06 41 16.3 SOLID SURFACE WINDOW SILL
- 07 21 00.1 FOUNDATION INSULATION 07 21 00.2 BATT INSULATION 07 21 00.3 RIGID INSULATION 07 21 00.4 INSULATION BAFFLE 07 25 00.1 AIR BARRIER 07 41 13.1 METAL ROOF PANELS
- 09 65 13.1 RESILIENT BASE 09 67 00.1 EPOXY FLOORING SYSTEM 09 77 00.2 INTERLOCKING PVC PANELS 09 96 00.1 EPOXY PAINT

09 30 00.1 CERAMIC TILE

09 51 13.1 ACOUSTICAL CEILING TILE

- 10 11 00.1 MARKER BOARD 10 11 00.2 TACK BOARD 10 22 13.1 WIRE MESH PARTITION 08 11 13.1 HOLLOW METAL DOORS/FRAMES 10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 31 13.1 ACCESS PANEL 10 28 00.3 WASTE RECEPTACLE 08 36 13.1 OVERHEAD SECTIONAL DOORS 10 28 00.4 SOAP DISPENSER
- 08 36 14.1 WASHBAY OVERHEAD DOORS 10 28 00.5 GRAB BAR 08 43 13.1 ALUMINUM FRAME STOREFRONTS 10 28 00.6 SANITARY NAPKIN DISPOSAL 08 51 13.1 ALUMINUM WINDOWS 10 28 00.7 COAT HOOK 08 80 00.1 GLAZING 10 28 00.8 FRAMED MIRROR UNIT 09 22 16.1 METAL "Z" FURRING 10 28 00.9 UNDER LAVATORY GUARD 09 29 00.1 5/8" GYPSUM BOARD 10 28 00.10 MOP HOLDER / SHELF 10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET 09 29 00.2 1/2" GYPSUM BOARD 09 29 00.3 SOUND ATTENUATION BLANKETS 10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET 09 29 00.4 TILE BACKING PANELS 10 51 13.1 LOCKERS
- 11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM
 11 11 10.3 UNDERCARRIAGE WASH 11 11 10.4 VEHICLE WASH PUMP 11 11 10.5 VECHICLE WASH TANK 11 11 10.6 PRESSURE WASHER REMOTE SYSTEM 11 11 10.7 VEHICLE WASH SWITCH 11 30 13.1 MICROWAVE

11 11 00.2 TRENCH DRAIN CATCH BASIN

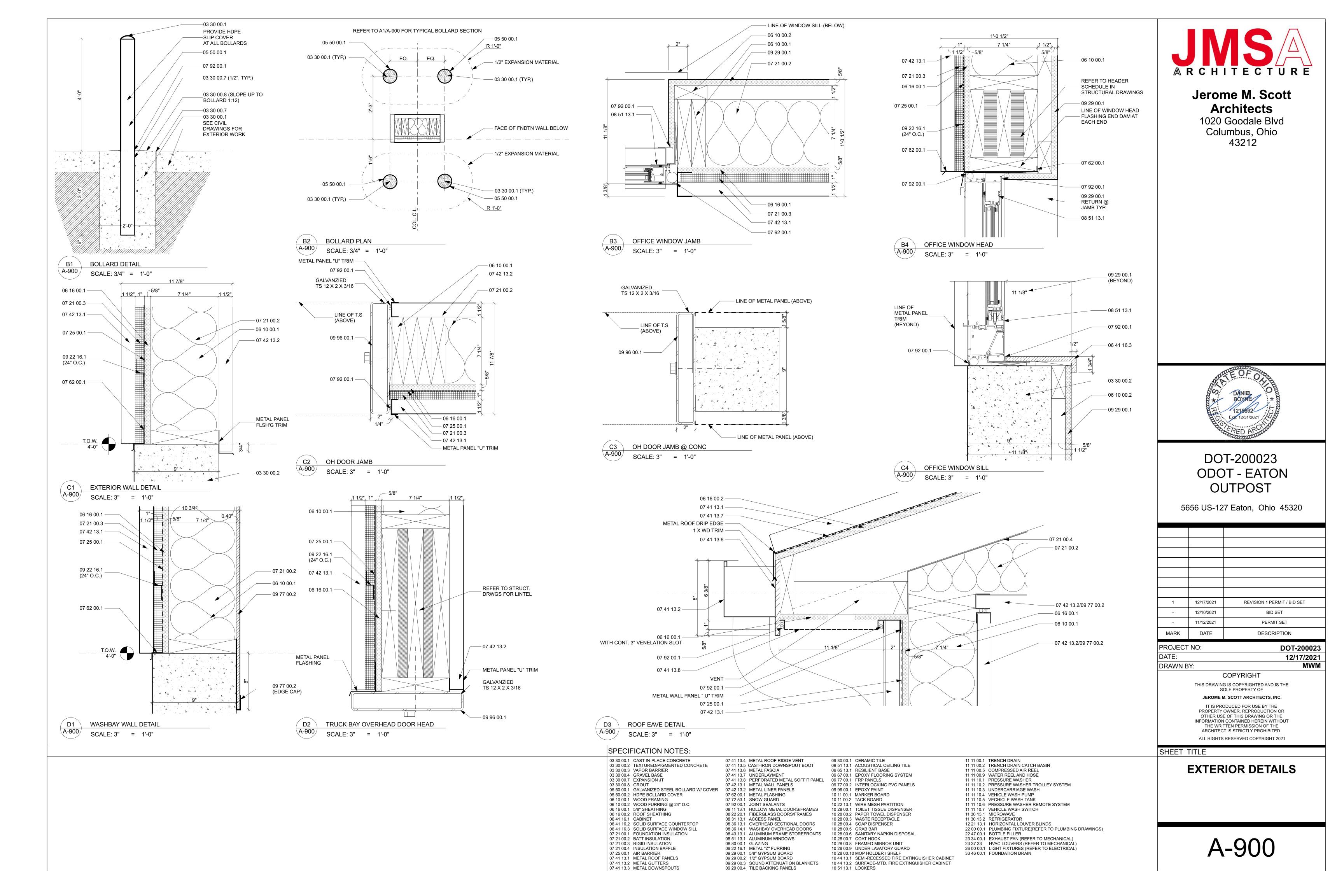
11 11 00.5 COMPRESSED AIR REEL

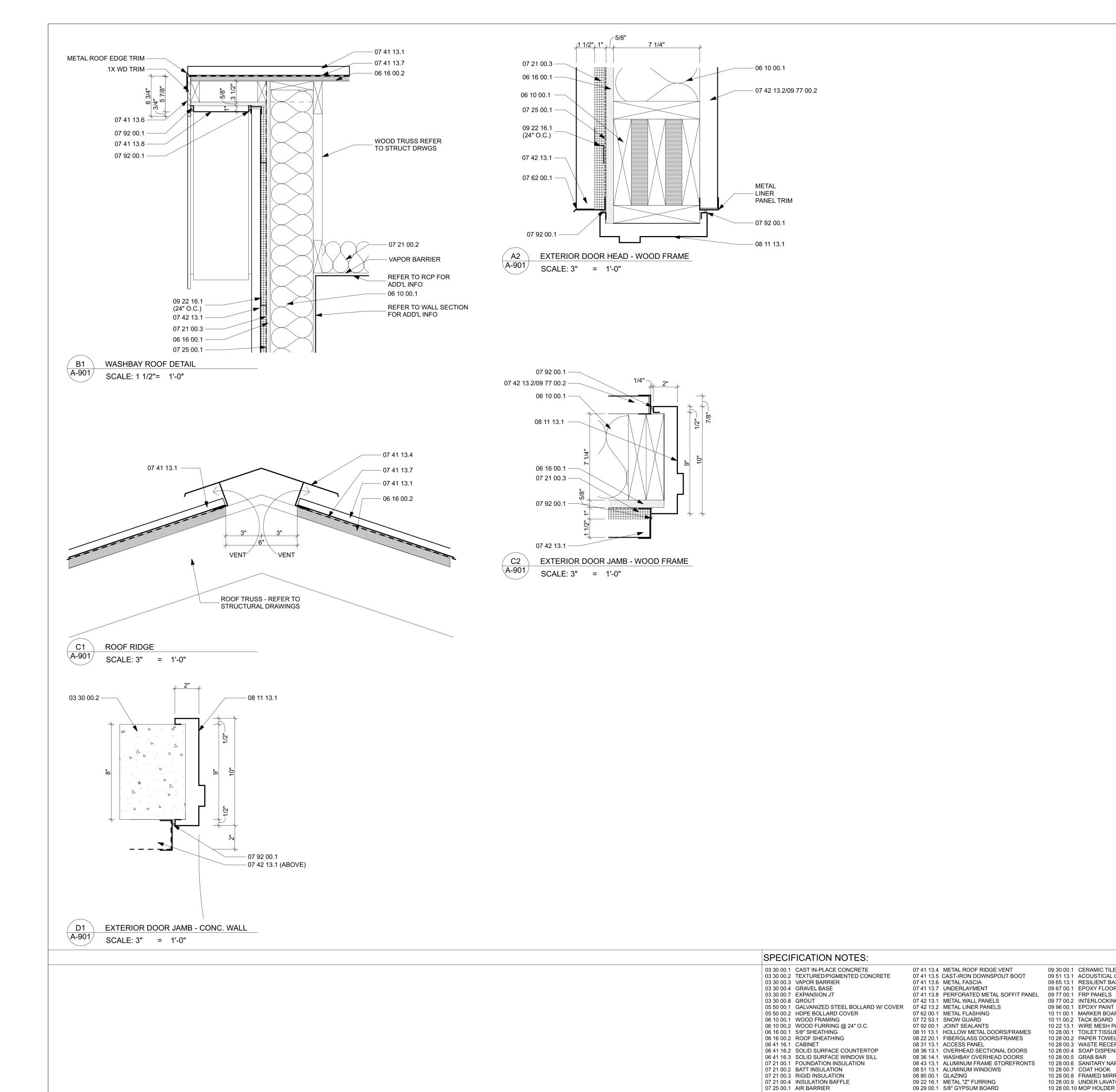
11 11 00.9 WATER REEL AND HOSE

11 11 10.1 PRESSURE WASHER

11 11 00.1 TRENCH DRAIN

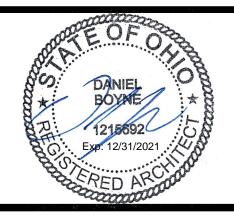
- 11 30 13.2 REFRIGERATOR
- 12 21 13.1 HORIZONTAL LOUVER BLINDS
 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 22 47 00.1 BOTTLE FILLER 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL) 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL)
- 26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL) 33 46 00.1 FOUNDATION DRAIN







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SHEET TITLE

09 30 00.1 CERAMIC TILE

09 96 00.1 EPOXY PAINT 10 11 00.1 MARKER BOARD

10 11 00.2 TACK BOARD

09 65 13.1 RESILIENT BASE

09 51 13.1 ACOUSTICAL CEILING TILE

09 67 00.1 EPOXY FLOORING SYSTEM

09 77 00.2 INTERLOCKING PVC PANELS

10 28 00.1 TOILET TISSUE DISPENSER

10 28 00.6 SANITARY NAPKIN DISPOSAL

10 28 00.8 FRAMED MIRROR UNIT

10 28 00.10 MOP HOLDER / SHELF

10 28 00.9 UNDER LAVATORY GUARD

10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

10 28 00.2 PAPER TOWEL DISPENSER

10 22 13.1 WIRE MESH PARTITION

10 28 00.3 WASTE RECEPTACLE

10 28 00.4 SOAP DISPENSER

10 28 00.5 GRAB BAR

10 28 00.7 COAT HOOK

10 51 13.1 LOCKERS

09 29 00.2 1/2" GYPSUM BOARD

09 29 00.4 TILE BACKING PANELS

09 29 00.3 SOUND ATTENUATION BLANKETS

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

11 11 00.1 TRENCH DRAIN

11 11 00.2 TRENCH DRAIN CATCH BASIN

11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM
11 11 10.3 UNDERCARRIAGE WASH

11 11 10.6 PRESSURE WASHER REMOTE SYSTEM

23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL)

23 37 33 HVAC LOUVERS (REFER TO MECHANICAL)

26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL)

22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS)

11 11 00.5 COMPRESSED AIR REEL

11 11 00.9 WATER REEL AND HOSE

11 11 10.1 PRESSURE WASHER

11 11 10.4 VEHICLE WASH PUMP

11 11 10.5 VECHICLE WASH TANK

11 30 13.1 MICROWAVE

11 30 13.2 REFRIGERATOR

22 47 00.1 BOTTLE FILLER

33 46 00.1 FOUNDATION DRAIN

11 11 10.7 VEHICLE WASH SWITCH

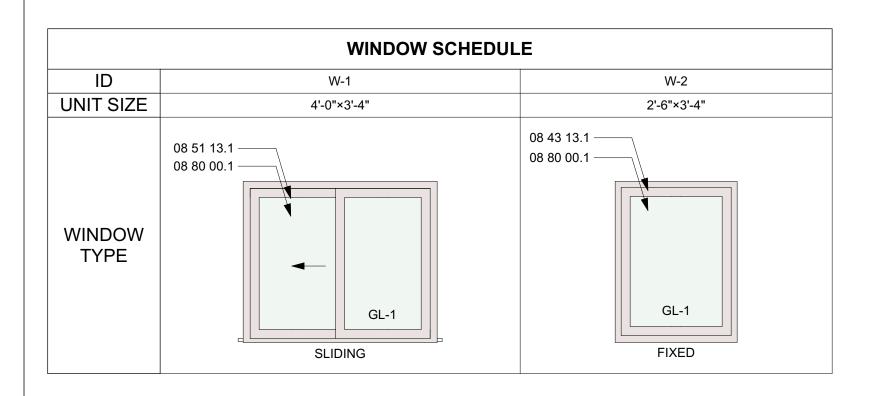
12 21 13.1 HORIZONTAL LOUVER BLINDS

EXTERIOR DETAILS

						DOC	OR SCHEDULE							
DOOR N	NUMBER								D	DETAIL		RATINGS		
ROOM	ID	ROOM NAME	NOMINAL WIDTH	NOMINAL HEIGHT	LEAF THICKNESS	MATL	TYPE	FRAME TYPE	HEAD	JAMB	HDWR. SET	FIRE	STC	REMARKS
100	Α	BREAK ROOM	3'-0"	7'-0"	1 3/4"	НМ	NARROW LITE	HM-1	B5/A501	B5/A501	02	Unrated		
101	Α	OFFICE	3'-0"	7'-0"	1 3/4"	НМ	FLUSH	HM-2	B5/A501	B5/A501	01	Unrated		18" SIDELITE
102	Α	RESTROOM	3'-0"	7'-0"	1 3/4"	НМ	FLUSH	HM-1	B5/A501	B5/A501	03	Unrated		
103	Α	TRUCK STORAGE	3'-0"	7'-0"	1 3/4"	НМ	NARROW LITE	HM-1	A2/A901	C2 & D1/A901	04	Unrated		
103	В	TRUCK STORAGE	3'-0"	7'-0"	1 3/4"	НМ	NARROW LITE	HM-1	A2/A901	C2 & D1/A901	04	Unrated		
103	С	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	D	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	E	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	F	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	G	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	Н	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
103	J	TRUCK STORAGE	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		
104	Α	WASHBAY	3'-0"	7'-0"	1 3/4"	FG	FLUSH	FG-1	A2/A901 (SIM.)	C2 & D1/A901 (SIM.)	05	Unrated		ALL HARDWARE TO BE STAINLESS STEEL
104	В	WASHBAY	3'-0"	7'-0"	1 3/4"	FG	FLUSH	FG-1	A2/A901 (SIM.)	C2 & D1/A901 (SIM.)	04	Unrated		ALL HARDWARE TO BE STAINLESS STEEL
104	С	WASHBAY	16'-0"	14'-0"	_	STL	OVERHEAD		D2/A900	C2+C3/A900		Unrated		ALL HARDWARE TO BE STAINLESS STEEL

FINISH SCHEDULE										
ROOM		FINISH -	FINISH-	WALL	WALL	WALL	WALL	CEILING	REMARKS	
NUMBER	NAME	FLOOR	BASE	FINISH/N	FINISH/E	FINISH/S	FINISH/W			
100	BREAK ROOM	EF	EF	GB-PT	GB-PT	GB-PT	GB-PT	ACT		
101	OFFICE	EF	EF	GB-PT	GB-PT	GB-PT	GB-PT	ACT		
102	RESTROOM	EF	EF	СТ	СТ	СТ	СТ	GB-PT		
103	TRUCK STORAGE	CONC		CONC/MLP	CONC/MLP	CONC/MLP	CONC/MLP/ FRP-1	MLP	EPOXY FLOORING AT ENTRY, SEE FLOOR PLAN FOR EXTENTS.	
104	WASHBAY	SFC		PT/PVC	PT/PVC	PT/PVC	PT/PVC	PVC		

			PARTITION SCHEDU	JLE		
PARTITION TYPE	P1 (SUBSTITUTE WD SHEATHING FOR GYP BD ON TRUCK STORAGE SIDE AT SHEAR WALL LOCATION PER STRUCTURAL.)	P2	P3	P4	P5	P6
SECTION	5.1/2" BOTTOM OF TRUSS	BRACE AS REQ'D CLG 09 29 00.1 09 29 00.3 06 10 00.1 (2x4 @ 16 O.C.)	5.1/2" BOTTOM OF TRUSS 09 77 00.1 09 29 00.1 09 29 00.3 09 29 00.4 09 30 00.1 06 10 00.1 (2x6 @ 16 O.C.) 03 30 00.1	BRACE AS REQ'D CLG 09 29 00.1 09 29 00.3 06 10 00.1 (2x4 @ 16 O.C.) 09 29 00.4 09 30 00.1	BRACE AS REQ'D	BRACE AS REQ'D CLG 09 29 00.1 06 10 00.1 (2x4 @ 16 O.C.) 09 29 00.4



FINISH GENERAL NOTES:

1. THE FLOOR FINISH TRANSITION AT DOOR OPENINGS SHALL ALIGN WITH CENTER OF THE DOOR (NOT FRAME). COORDINATE INSTALLATION IN THE FIELD AT EACH OPENING.

2. THE COLOR CHANGE FOR DOOR FRAMES SHALL OCCUR AT THE HINGE SIDE OF THE DOOR STOP (INSIDE CORNER). 3. ALL FIELD PAINTED ITEMS SURFACE MOUNTED AND/OR SUSPENDED SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE. SPECIFIC ITEMS IN QUESTION DUE TO CLOSE PROXIMITY OF MULTIPLE COLORS SHALL BE BROUGHT TO THE ATTENTION OF THE

4. JOINT SEALANTS SHALL MATCH THE ADJACENT SURFACES. PROVIDE INSTALLED SAMPLE FOR THE ARCHITECT'S REVIEW PRIOR TO COMMENCING WORK.

5. PAINT ACCESS DOORS AND FRAMES TO MATCH ADJACENT SURFACES.

ARCHITECT PRIOR TO PAINTING.

6. ALL EXTERIOR LOUVERS AND EXHAUST VENTS/CAPS SHALL BE PAINTED. CUSTOM MATCH EXTERIOR METAL PANELS.

PARTITION NOTES:

1. PARTITION TYPES INDICATED ARE CONTINUOUS TO A CORNER OR AN INTERLOCKING PARTITION UNLESS INDICATED OTHERWISE. WHERE PARTITIONS OF DIFFERENT THICKNESSES MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS NOTED OTHERWISE.

2. DESIGN AND DETAILING SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE AMERICAN WOOD COUNCIL.

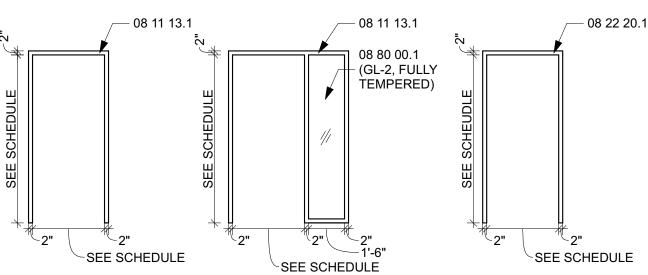
3. EDGES OF GYPSUM WALL BOARD LEFT EXPOSED TO VIEW, OR ABUTTING DISSIMILAR MATERIAL ARE TO BE FINISHED WITH METAL EDGE TRIM AND COMPOUND UNLESS NOTED OTHERWISE (NO "S" BEADS).

4. PROVIDE DOUBLE STUDS AT ALL DOOR JAMBS.

5. PROVIDE FOR DEFLECTION AT ALL FULL HEIGHT PARTITIONS.

SEE SCHEDULE SEE SCHEDULE

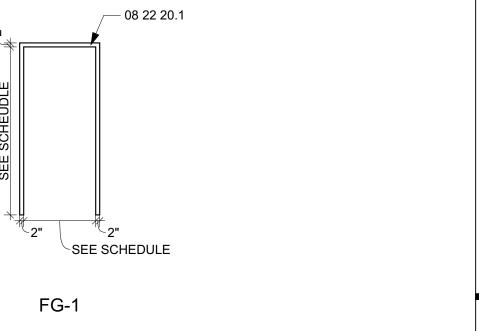
FLUSH NARROW LITE B4 ` DOOR TYPES SCALE: 1/4" = 1'-0"

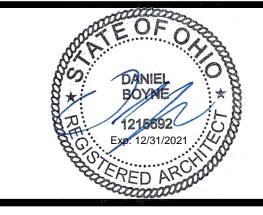


HM-2 B4 ` DOOR FRAME TYPES SCALE: 1/4" = 1'-0"



OVERHEAD





Jerome M. Scott

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5656 US-127 Eaton, Ohio 45320

1	12/17/2021	REVISION 1 PERMIT / BID SET
-	12/10/2021	BID SET
-	11/12/2021	PERMIT SET
MARK	DATE	DESCRIPTION

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DOT-200023 12/17/2021

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SHEET TITLE

PROJECT NO:

SCHEDULES

SPECIFICATION NOTES:

FINISH LEGEND

CT: CERAMIC TILE (09 30 00) EF: EPOXY FLOORING (09 67 00) FRP-1: FRP PANELS (09 77 00.1)

GB: GYPSUM BOARD (09 29 00) PT: PAINT (09 91 23/09 96 00)

ACT: ACOUSTICAL CEILING TILE (09 51 13) CONC: CONCRETE (03 30 00.1)

PVC: INTERLOCKING PVC PANÉLS (09 77 00.2) MLP: METAL LINER PANELS (07 42 13.2)

SFC: SILICA FUME CONCRETE (03 30 10)

03 30 00.1 CAST IN-PLACE CONCRETE 07 41 13.4 METAL ROOF RIDGE VENT 03 30 00.2 TEXTURED/PIGMENTED CONCRETE 07 41 13.5 CAST-IRON DOWNSPOUT BOOT 03 30 00.3 VAPOR BARRIER 07 41 13.6 METAL FASCIA 07 41 13.7 UNDERLAYMENT

03 30 00.4 GRAVEL BASE 03 30 00.7 EXPANSION JT 03 30 00.8 GROUT

05 50 00.1 GALVANIZED STEEL BOLLARD W/ COVER 07 42 13.2 METAL LINER PANELS 05 50 00.2 HDPE BOLLARD COVER 06 10 00.1 WOOD FRAMING

06 10 00.2 WOOD FURRING @ 24" O.C. 06 16 00.1 5/8" SHEATHING 06 16 00.2 ROOF SHEATHING 06 41 16.1 CABINET 06 41 16.2 SOLID SURFACE COUNTERTOP 06 41 16.3 SOLID SURFACE WINDOW SILL

07 41 13.1 METAL ROOF PANELS

07 41 13.3 METAL DOWNSPOUTS

07 41 13.2 METAL GUTTERS

07 21 00.1 FOUNDATION INSULATION 07 21 00.2 BATT INSULATION 07 21 00.3 RIGID INSULATION 09 22 16.1 METAL "Z" FURRING 07 21 00.4 INSULATION BAFFLE 07 25 00.1 AIR BARRIER

07 41 13.8 PERFORATED METAL SOFFIT PANEL 09 77 00.1 FRP PANELS 07 42 13.1 METAL WALL PANELS 07 62 00.1 METAL FLASHING 07 72 53.1 SNOW GUARD 07 92 00.1 JOINT SEALANTS 08 22 20.1 FIBERGLASS DOORS/FRAMES 08 31 13.1 ACCESS PANEL

09 29 00.2 1/2" GYPSUM BOARD

09 29 00.4 TILE BACKING PANELS

08 11 13.1 HOLLOW METAL DOORS/FRAMES 08 36 13.1 OVERHEAD SECTIONAL DOORS 08 36 14.1 WASHBAY OVERHEAD DOORS 08 43 13.1 ALUMINUM FRAME STOREFRONTS 08 51 13.1 ALUMINUM WINDOWS 08 80 00.1 GLAZING

09 29 00.3 SOUND ATTENUATION BLANKETS

10 22 13.1 WIRE MESH PARTITION 10 28 00.3 WASTE RECEPTACLE 10 28 00.4 SOAP DISPENSER 10 28 00.5 GRAB BAR 10 28 00.7 COAT HOOK 10 28 00.8 FRAMED MIRROR UNIT 10 28 00.9 UNDER LAVATORY GUARD 09 29 00.1 5/8" GYPSUM BOARD

10 11 00.1 MARKER BOARD 10 11 00.2 TACK BOARD 10 28 00.1 TOILET TISSUE DISPENSER 10 28 00.2 PAPER TOWEL DISPENSER 10 28 00.6 SANITARY NAPKIN DISPOSAL

10 51 13.1 LOCKERS

09 30 00.1 CERAMIC TILE

09 96 00.1 EPOXY PAINT

09 65 13.1 RESILIENT BASE

09 51 13.1 ACOUSTICAL CEILING TILE

09 67 00.1 EPOXY FLOORING SYSTEM

09 77 00.2 INTERLOCKING PVC PANELS

10 28 00.10 MOP HOLDER / SHELF 10 44 13.1 SEMI-RECESSED FIRE EXTINGUISHER CABINET

10 44 13.2 SURFACE-MTD. FIRE EXTINGUISHER CABINET

11 11 10.2 PRESSURE WASHER TROLLEY SYSTEM 11 11 10.3 UNDERCARRIAGE WASH 11 11 10.4 VEHICLE WASH PUMP 11 11 10.5 VECHICLE WASH TANK 11 11 10.6 PRESSURE WASHER REMOTE SYSTEM 11 11 10.7 VEHICLE WASH SWITCH 11 30 13.1 MICROWAVE 11 30 13.2 REFRIGERATOR

11 11 00.1 TRENCH DRAIN

11 11 00.2 TRENCH DRAIN CATCH BASIN

11 11 00.5 COMPRESSED AIR REEL

11 11 00.9 WATER REEL AND HOSE

11 11 10.1 PRESSURE WASHER

22 47 00.1 BOTTLE FILLER

12 21 13.1 HORIZONTAL LOUVER BLINDS 22 00 00.1 PLUMBING FIXTURE(REFER TO PLUMBING DRAWINGS) 23 34 00.1 EXHAUST FAN (REFER TO MECHANICAL) 23 37 33 HVAC LOUVERS (REFER TO MECHANICAL)

26 00 00.1 LIGHT FIXTURES (REFER TO ELECTRICAL) 33 46 00.1 FOUNDATION DRAIN

- THESE NOTES ARE GENERAL REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 2. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREINAFTER FOR USE ON THIS PROJECT.
- 3. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE CONTRACTOR SHALL CONTACT THE ARCHITECT/ENGINEER FOR
- 4. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON THE PLANS, BUT APPLY UNLESS NOTED OTHERWISE.
- 5. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION TO THE ENGINEER/ARCHITECT.
- 6. SHOP DRAWINGS PREPARED BY THE CONTRACTORS, SUPPLIERS, ETC., WILL BE REVIEWED BY THE ENGINEER/ARCHITECT ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. NO WORK AFFECTED BY THE SHOP DRAWINGS SHALL BE STARTED WITHOUT SUCH REVIEW.
- 7. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REVISIONS, CORRECTIONS, AND COMMENTS INDICATED ON THE SHOP DRAWINGS BY THE ARCHITECT/ENGINEER.
- 8. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 9. THE STRUCTURAL CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- 10. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER ARE SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- 11. ALL STRUCTURES ARE DESIGNED TO BE STABLE AND SELF-SUPPORTING AT THE COMPLETION OF CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE STABILITY AND SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL IS NOT INDICATED ON THE DRAWINGS AND, IF PROVIDED, SHALL BE REMOVED, AS CONDITIONS PERMIT AND REMAIN THE PROPERTY OF THE CONTRACTOR.
- 12. ALL MATERIALS AND EQUIPMENT FURNISHED WILL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- 14. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MISCELLANEOUS STEEL ITEMS, LINTELS, METAL PAN STAIRS, SIZE AND LOCATION OF FLOOR SLOPES, DEPRESSED AREAS, FINISH FILLS, CHAMFERS, GROOVES, RAILING SLEEVES, ROOF EDGES, INSERTS, ETC.
- 15. COORDINATE WITH CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS FOR PIPE SLEEVES, FLOOR DRAINS, ROOF DRAINS, INSERTS, HANGERS, TRENCHES, PITS, WALL AND SLAB OPENINGS, CONDUIT RUNS IN WALLS AND SLABS, SIZE AND LOCATION OF MACHINE OR EQUIPMENT SUPPORTS, BASE AND ANCHOR BOLTS, RAILING, ETC.
- 16. COORDINATE WITH SITE, ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND CIVIL DRAWINGS FOR RETAINING WALLS, PADS, PAVEMENT AND OTHER SITE STRUCTURES.
- 17. EARTHWORK, FOUNDATION DRAINS, WATERPROOFING, PERIMETER INSULATION, MASONRY AND OTHER REQUIRED NON-STRUCTURAL ITEMS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE WITH CIVIL/SITE AND ARCHITECTURAL DRAWINGS.
- 18. THIS BUILDING QUALIFIES AS A THRESHOLD BUILDING. SEE THRESHOLD PLAN FOR INSPECTION REQUIREMENTS.

GOVERNING CODES AND SPECIFICATIONS

OBC	-OHIO BUILDING CODE, 2017 EDITION
ASCE 7	-MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010 EDITION
ACI 318	-BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2014 EDITION
ACI 301	-SPECIFICATIONS FOR STRUCTURAL CONCRETE, 2010 EDITION
ACI 305R	-HOT WEATHER CONCRETING, 2010 EDITION
ACI 306R	-COLD WEATHER CONCRETING, 2010 EDITION
ACI SP-66	-ACI DETAILING MANUAL, 2004
AWC NDS	-NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH 2012
	SUPPLEMENT 2015 EDITION

-SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC. 2015 EDITION AWC SDPWS -PANEL DESIGN SPECIFICATION, 2012 EDITION

APA PDS

DESIGN LOADS

1.	LIVE LOADS: (REDUCIBLE PER GOVERNING CODE) a. ROOF	100 2,000
2.	SNOW LOADS: a. GROUND SNOW LOAD, Pg b. SLOPED ROOF SNOW LOAD, Ps c. SNOW EXPOSURE FACTOR, Ce d. SNOW LOAD IMPORTANCE FACTOR, Is e. THERMAL FACTOR, Ct	14 PSF 1.0 1.0
3.	WIND LOADS: a. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), MPH	90 II C .BE C (SEE DIAGRAM ON SHEET S-002)
4.	f. SEISMIC DESIGN CATEGORY	$\begin{array}{l} \dots 1.0 \\ \dots S_S = 0.152 \\ S_1 = 0.074 \\ \dots D \\ \dots S_{DS} = 0.162 \\ S_{D1} = 0.118 \\ \dots B \\ \dots LIGHT FRAME WALLS WITH SHEAR \\ PANELS OF OTHER MATERIALS \end{array}$
FOLIN	h. DESIGN BASE SHEAR i. SEISMIC RESPONSE COEFFICIENT. j. RESPONSE MODIFICATION COEFFICIENT k. ANALYSIS PROCEDURE USED	$C_S = 0.081$ $R = 2.0$

FOUNDATIONS

- 1. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT NO. W-21-116, PREPARED BY RESOURCE INTERNATIONAL, INC, DATED SEPTEMBER 14 2021. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION.
- 2. FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY COMPACTED ENGINEERED FILL WITH A NET ALLOWABLE BEARING CAPACITY OF 3000 PSF. (SEE GEOTECHNICAL REPORT.)
- 3. TOPSOIL, FILL, AND/OR OTHER DELETERIOUS MATERIALS ENCOUNTERED DURING THE SITE PREPARATION MUST BE REMOVED AND REPLACED WITH SELECT ENGINEERED FILL COMPACTED TO 90% PER ASTM D1557 AND MEETING THE SPECIFIED DESIGN BEARING CAPACITY. (SEE GEOTECH REPORT FOR MORE INFORMATION).
- 4. OWNER SHALL EMPLOY A SOILS TESTING LABORATORY APPROVED BY THE ENGINEER TO PERFORM TESTING SERVICES AS REQUIRED BY THE SPECIFICATIONS AND TO INSPECT ALL BEARING SURFACES OF SLABS AND
- 5. NOTIFY ENGINEER IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.

- 6. REMOVE ALL EXISTING PAVEMENT, STRUCTURES AND FOUNDATIONS, AND TOPSOIL, UNSUITABLE FILLS AND ORGANIC SOILS ENCOUNTERED WITHIN AND BELOW THE AREA TO BE OCCUPIED BY SLABS ON GRADE AND FOUNDATIONS. THESE MATERIALS SHALL NOT BE USED FOR FILL WITHIN OR ADJACENT TO THE BUILDING.
- 7. CHANGES IN ELEVATION OF WALL FOOTING SHALL BE MADE IN STEPS NOT MORE THAN 2'-0" HIGH AND AT LEAST 4'-0" APART, UNLESS DETAILED OTHERWISE. SEE TYPICAL FOOTING STEP DETAIL.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE TEMPORARY SHORING, BRACING, UNDERPINNING,

AND OTHER MEASURES NECESSARY TO INSURE STABILITY AND SAFETY DURING ERECTION AND CONSTRUCTION

AND TO PREVENT MOVEMENT OF SOIL THAT COULD DAMAGE EXISTING STRUCTURES, PAVEMENT, UTILITIES, ETC.

- 9. AFTER EXCAVATING FOR SLABS ON GRADE, THE EXPOSED NATURAL SOIL SHALL BE THOROUGHLY COMPACTED PRIOR TO PLACING THE GRANULAR MATERIAL.
- 10. CENTER FOOTINGS UNDER COLUMNS, PIERS, AND WALLS UNLESS NOTED.
- 11. THE DIFFERENCE IN ELEVATION OF THE BACKFILL ON THE INSIDE AND OUTSIDE OF WALLS SHALL NOT EXCEED TWO FEET UNTIL THE FIRST FLOOR STRUCTURE SUPPORTING THE WALLS IS IN PLACE, UNLESS THE WALL IS BRACED TO PREVENT MOVEMENT.
- 12. UNLESS NOTED OTHERWISE ON THE CIVIL/SITE DRAWINGS, PROVIDE A MINIMUM 2% GRADE WITHIN 10-FEET OF THE PERIMETER OF THE FOUNDATION SYSTEM TO ALLOW SURFACE WATER TO DRAIN AWAY.
- 13. DO NOT PLACE FILL OR CONCRETE ON FROZEN GROUND.

CAST-IN-PLACE CONCRETE AND REINFORCEMENT

FILL CONCRETE .

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318.
- 2. CONCRETE SHALL HAVE THE FOLLOWING 28-DAY COMPRESSIVE STRENGTHS CAST-IN-PLACE CONCRETE 4,000 PSI
- . 1,500 PSI 3. USE 6% ± 2%, ENTRAINED AIR PER ASTM C260 FOR ALL CONCRETE EXPOSED TO WEATHER.
- WATER CEMENT RATIO SHALL BE AS FOLLOWS: ALL INTERIOR SLABS-ON-GRADE 0.45 (MAX) CONCRETE WITH ENTRAINED AIR 0.45 (MAX) CONCRETE WITHOUT ENTRAINED AIR . . . 0.48 (MAX)

ACCORDANCE WITH AASHTO T260.

- 5. ALL REINFORCING STEEL, INCLUDING THAT ATTACHED TO EMBEDS, SHALL CONFORM TO ASTM A615 GRADE 60 AND SHALL BE EPOXY COATED.
- 6. ALL WELDED WIRE REINFORCING SHALL CONFORM TO ASTM A1064 PROVIDED IN FLAT SHEETS AND SHALL BE
- 7. ADMIXTURES SHALL CONTAIN NO MORE THAN 0.05% CHLORIDE IONS BY WEIGHT OF CEMENT WHEN TESTED IN
- 8. CONTRACTOR SHALL KEEP A COPY OF "FIELD REFERENCE MANUAL: STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE ACI 301 WITH SELECTED ACI REFERENCES", (ACI PUBLICATION SP-15) AT THE PROJECT FIELD OFFICE.
- 9. ALL REINFORCING DETAILS SHALL CONFORM TO "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" ACI 315, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- 10. SUBMIT FOR APPROVAL CONCRETE MIX DESIGN AND CERTIFICATION OF CONFORMITY OF CONCRETE MATERIALS.
- 11. THE ARCHITECT SHALL EMPLOY A TESTING LABORATORY TO PERFORM THE TESTING SPECIFIED PER PARAGRAPH 1.6.4 OF ACI 301. THE TESTING LABORATORY SHALL MEET THE REQUIREMENTS OF ASTM E329. TESTING SHALL BE MADE BY AN ACI CONCRETE FIELD TESTING TECHNICIAN GRADE 1 OR APPROVED EQUIVALENT. A TECHNICIAN GRADE 1 SHALL BE PRESENT DURING ALL CONCRETE PLACEMENT.
- 12. SUBMIT SHOP DRAWINGS FOR REVIEW. THESE DRAWINGS SHALL SHOW ALL CONCRETE MEMBER DIMENSIONS AND REINFORCING FOR WALLS.
- 13. PROVIDE DOWELS FROM FOUNDATIONS TO MATCH WALL VERTICAL REINFORCING. WHERE SHOWN, PROVIDE DOWELS OUT OF WALLS TO MATCH SLAB REINFORCING.
- 14. PROVIDE CLASS "B" TENSION LAP SPLICE OR FULL MECHANICAL SPLICE (ACI 318, SECT. 12.14.3) FOR ALL VERTICAL STEEL IN WALLS AND SLABS. SEE LAP SCHEDULE ON SHEET S-002 FOR LAP LENGTHS, U.N.O.
- 15. PROVIDE ADEQUATE BOLSTERS, HI-CHAIRS, SUPPORT BARS, ETC., TO MAINTAIN SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING BARS. SUPPORTS THAT BEAR DIRECTLY ON EXPOSED SURFACES SHALL BE STAINLESS STEEL
- 16. ALL SLABS AND WALLS SHALL BE POURED MONOLITHICALLY, EXCEPT FOR THE REQUIRED CONSTRUCTION JOINTS.
- 17. PROVIDE PERIMETER INSULATION AGAINST EXTERIOR FOUNDATION WALLS AND UNDER THE SLAB ADJACENT TO THE EXTERIOR OF THE BUILDING AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 18. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CORNERS OF SLABS AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS. MINIMUM CLEARANCES FOR REINFORCING STEEL SHALL BE MAINTAINED.
- 300 SQUARE FEET PER GALLON. USE PRODUCT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS.

19. CURE ALL CONCRETE FOR A MINIMUM 7-DAYS. APPLY CURING COMPOUND AT THE MAXIMUM COVERAGE RATE OF

- 20. WATERSTOP FOR CONSTRUCTION JOINTS SHALL BE PVC SERRATED TYPE WITHOUT CENTER BULB, NOT LESS THAN 6" WIDTH AND 3/8" THICK; SELF-EXPANDING BUTYL STRIPS 3/4" BY 1"; SELF-EXPANDING RUBBER STRIPS 3/8" BY 3/4".
- 21. WATERSTOP FOR EXPANSION JOINTS SHALL BE PVC SERRATED TYPE, WITH CENTER BULB NOT LESS THAN 9" WIDTH AND 3/8" THICK; SELF-EXPANDING BUTYL STRIPS 3/4" BY 1"; SELF-EXPANDING RUBBER STRIPS 3/8" BY 3/4". 22. ALL WATERSTOPS SHALL BE PROPERLY SUPPORTED AND WIRED TO REINFORCING TO REMAIN STRAIGHT AND
- TRUE. HEAT SPLICE ALL JOINTS PER MANUFACTURER'S RECOMMENDATIONS. 23. ALL CONSTRUCTION JOINTS SHALL BE KEYED. PROVIDE KEYWAYS AT MEMBER CENTERLINE WITH A DEPTH OF
- 1-1/2 INCH AND HEIGHT EQUAL TO ONE-THIRD OF THE MEMBER'S DEPTH/THICKNESS. 24. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CONSTRUCTION JOINTS NOT INDICATED ON THE
- DRAWINGS FOR REVIEW BY THE ENGINEER/ARCHITECT. 25. ALL ALUMINUM IN CONTACT WITH CONCRETE OR DISSIMILAR METALS SHALL BE COATED WITH GRAY EPOXY PRIMER, APPROVED BY THE ENGINEER.
- 26. FORMWORK, FOR ALL CONCRETE THAT WILL BE EXPOSED IN THE COMPLETED STRUCTURE, SHALL BE CONSTRUCTED FROM A METAL OR SUITABLE SURFACE PLYWOOD THAT WILL PRODUCE AN ACCEPTABLY SMOOTH
- 27. PITCH CONCRETE SLABS TO FLOOR DRAINS SHOWN ON MECHANICAL, PROCESS, OR ARCHITECTURAL DRAWINGS.
- 28. ALL HORIZONTAL AND VERTICAL PIPE SLEEVE OPENINGS THROUGH CONCRETE STEM WALLS SHALL BE FORMED WITH STANDARD STEEL PIPE.
- 29. CONCRETE PROTECTION (CLEAR COVER) FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
- a. FOOTINGS:
- 3 INCHES, BOTTOM AND UNFORMED EDGES 2 INCHES, FORMED EDGES
- 2 INCHES, EXPOSED TO EARTH, WATER OR WEATHER
- 2 INCHES, BOTTOM, ON CONCRETE MUDMAT
- b. WALLS:
- 2 INCHES TO REINFORCEMENT

SURFACE. SEE SPECIFICATIONS.

- c. PIERS 1 1/2 INCHES TO TIES
- 2 INCHES TO VERT REINFORCING.
- 30. LAP SPLICE WELDED WIRE FABRIC ONE SPACE PLUS 6 INCHES AT EDGES AND ENDS AND PROVIDE ADDITIONAL REINFORCING WHERE SHOWN ON DRAWINGS. PLACE MESH 2 INCHES FROM TOP OF SLAB FOR SLABS ON GROUND AND 1 INCH FROM TOP OF SUPPORTED SLABS UNLESS NOTED OTHERWISE.
- 31. ALL HOOKS SHALL BE ACI STANDARD HOOKS UNLESS DIMENSIONED OTHERWISE.

- WOOD DESIGN, SPECIFICATIONS AND ERECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION."
- WOOD SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE SOUTHERN PINE PRODUCTS ASSOCIATION OR THE SOUTHERN PINE INSPECTION BUREAU.
- 3. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.
- 4. SAWN LUMBER SHALL HAVE THE FOLLOWING MINIMUM GRADE UNLESS NOTED OTHERWISE:

MEMBER SIZE	Fb (PSI)	Fv (PSI)	E (PSI)	Fc (PSI)	WOOD GRADE
2x & 4x	775	135	1,100,000	1000	SPF NO. 2
BEAM WIDTH > 4"	600	125	1,000,000	425	SPF NO. 2
POST WIDTH > 4"	500	125	1,000,000	500	SPF NO. 2

- 5. ALL STUDS SHALL BE CONSTRUCTED CONTINUOUS FROM SILL TO TOP PLATE UNLESS NOTED OTHERWISE.
- 6. ALL 2x BEARING WALLS AND SHEAR WALLS SHALL BE BLOCKED HORIZONTALLY AT 4'-0" O.C. VERT. SPACING FOR ALL WALLS GREATER THAN 9'-0" IN HEIGHT.
- ENGINEERED LUMBER PRODUCTS SHALL BE LAMINATED VENEER LUMBER (LVL), WITH THE FOLLOWING MINIMUM PROPERTIES: $E = 2.0 \text{ x } 1.0^6 \text{ PSI}$ $F_b = 2,900 \text{ PSI}$ $F_v = 285 \text{ PSI}$

40/20

40/20

- 8. ALL PLYWOOD SHALL BE APA RATED SHEATHING CONFORMING TO STANDARD PS 1-08 WITH THE FOLLOWING NOMINAL THICKNESS AND SPAN/INDEX RATIO UNLESS NOTED OTHERWISE: SHEATHING LOCALE THICKNESS SPAN/INDEX RATIO
- 9. PLYWOOD SHALL BE PLACED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS USING A MINIMUM 5-PLY
- 10. PLYWOOD SHALL BE ATTACHED USING COMMON NAILS. NAILING PATTERN SHALL BE AS NOTED ON DIAPHRAGM SHEATHING SCHEDULE AND SHEAR WALL SCHEDULE. ATTACHMENT OF PLYWOOD USING WOOD SCREWS IS NOT PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
- 11. CONTRACTOR SHALL PROVIDE GALVANIZED PLYWOOD CLIPS AT MID-SPAN OF ROOF SHEATHING BETWEEN EACH ROOF TRUSS/JOIST.
- 12. ALL SILL PLATES RESTING ON CONCRETE OR MASONRY SHALL BE NATURALLY DURABLE (SPECIES FOR BOTH DECAY AND TERMITE RESISTANCE) OR PRESERVATIVE TREATED USING WATER-BORNE PERSERVATIVES IN ACCORDANCE WITH AWPA U1.
- 13. ALL BOLTS IN WOOD FRAMING SHALL CONFORM TO ASTM A307 AND BE INSTALLED WITH STEEL FLAT WASHERS CONFORMING TO ASTM F436.
- 14. CONNECTION HARDWARE AND FASTENERS SHALL BE GALVANIZED STEEL, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS BY SIMPSON STRONG-TIE COMPANY INC. (BASIS OF DESIGN), MITEK INC., TAMLYN, OR AN APPROVED EQUAL. DO NOT OVERLAP CONNECTORS.
- 15. A MINIMUM 16-GAGE STRAP EXTENDING 3" BEYOND PLATE WIDTH AND ATTACHED WITH 8-16d NAILS AT EACH END SHALL BE PROVIDED WHERE TOP PLATES, SILL PLATES OR STUDS ARE CUT FOR MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.
- 16. PROVIDE A MINIMUM OF 3 STUDS AT EACH CORNER OF EXTERIOR WALLS

PREFABRICATED WOOD TRUSSES

SHEAR WALL

PLYWOOD. PLYWOOD JOINTS SHALL BE STAGGERED.

- 1. FABRICATOR SHALL BE AN "APPROVED FABRICATOR" IN ACCORDANCE WITH IBC SECTION 1704.2.2, REGISTERED AND APPROVED BY THE LOCAL BUILDING DEPARTMENT.
- DESIGN WOOD ROOF TRUSSES FOR THE FOLLOWING SUPERIMPOSED DESIGN LOADS. DEAD LOAD DOES NOT INCLUDE THE SELF-WEIGHT OF THE TRUSSES. DEAD LOAD = 10 PSF

LIVE LOAD = 20 PSF WIND LOAD = SEE WIND DIAGRAM ON SHEET S-002. BOTTOM CHORD: DEAD LOAD = 10 PSF LIVE LOAD = 10 PSF

TRUSS CONFIGURATION INCLUDING SPAN, PITCH AND SPACING OF PANEL POINTS

- 3. THE PROVIDED DESIGN LOADING SHALL BE APPLIED TO THE TRUSS IN ACCORDANCE WITH THE GOVERNING BUILDING CODE.
- 4. WOOD TRUSS MANUFACTURER SHALL SUPPLY SHOP DRAWINGS AND CALCULATIONS FOR THE WOOD TRUSSES INDICATING THE FOLLOWING INFORMATION FOR APPROVAL:
- b. SPECIES, GRADE AND NOMINAL SIZE OF LUMBER USED. c. TRUSS CALCULATIONS SHALL INCLUDE, BUT NOT LIMITED TO DESIGN LOADS USED; PANEL POINT LOADS; TRUSS END REACTIONS; MEMBER AXIAL AND FLEXURAL FORCES, STRESSES AND COMBINED LOADING DESIGN; JOINT AND SPLICE CONNECTION DESIGN.
- d. JOINT AND SPLICE CONNECTION DESIGN SHALL INCLUDE TEST DATA VERIFYING LATERAL LOAD CAPACITY OF PLATES. METAL PLATES SHALL MEET THE REQUIREMENTS OF THE TRUSS PLATE INSTITUTE, ANSI/TPI 1, "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION."
- e. CALCULATIONS AND DRAWINGS SHALL BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
- 5. DEFLECTION FOR WOOD TRUSSES SHALL BE LIMITED TO THE FOLLOWING UNLESS NOTED OTHERWISE: ROOF TRUSSES: VERTICAL DEFLECTION SHALL NOT EXCEED L/240 FOR 1.5 TIMES DEAD LOAD PLUS LIVE LOAD AND L/360 FOR LIVE LOAD. LIMIT MAXIMUM VERTICAL DEFLECTION TO 2".
 - HORIZONTAL DEFLECTION SHALL NOT EXCEED 0.75 INCHES FOR LIVE LOAD AND 1.25 INCHES FOR TOTAL LOAD.
- 6. WOOD SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE SOUTHERN PINE PRODUCTS ASSOCIATION OR SOUTHERN PINE INSPECTION BUREAU.
- 7. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.

POST-INSTALLED FASTENERS

CHEMISTRY

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.

NOT BE SET IF WATER IS SEEPING INTO HOLE; NOTIFY THE ENGINEER.

- 2. INSTALL BOLTS AND FASTENERS TO MISS REINFORCING.
- 3. PRIOR TO DRILLING FOR THE ANCHOR CONCRETE REINFORCING STEEL SHALL BE LOCATED WITH A MAGNETIC BAR
- 4. FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND AS GIVEN BELOW. NOTIFY THE ENGINEER IF CONFLICTS EXIST BETWEEN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND THE BELOW REQUIREMENTS.
- 5. FASTENERS SHALL BE INSTALLED AT NOT LESS THAN THE MANUFACTURER'S MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE, UNLESS INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD.
- DRILL HOLES USING ROTARY PERCUSSION DRILL WITH A DEPTH GAGE. DO NOT DRILL THROUGH FULL THICKNESS OF CONCRETE. CLEAN HOLES BY VIGOROUSLY BRUSHING AND THEN BLOW OUT LOOSE MATERIAL USING OIL-FREE COMPRESSED AIR. THE BRUSH SHALL HAVE THE STIFF NON-METALLIC BRISTLES OF TYPE AND DIAMETER RECOMMENDED BY THE ADHESIVE MANUFACTURER. IF CONCRETE IS DAMP BLOW DRY HOLE WITH OIL-FREE COMPRESSED AIR. CLEAN WITH WATER ONLY IF RECOMMENDED BY MANUFACTURER. ADHESIVE ANCHORS MAY
- 7. FOR EXPANSION ANCHORS: DRILL HOLE TO NOMINAL DIAMETER OF ANCHOR. IF METRIC ANCHORS ARE USED, METRIC BITS MUST BE USED. INSTALL ANCHOR AND TIGHTEN TO RECOMMENDED TORQUE.
- 8. EXPANSION BOLTS IN CONCRETE SHALL BE "KWIK BOLT 3" BY HILTI, "WEDGE-ALL" BY SIMPSON STRONG TIE OR APPROVED EQUAL.
- ADHESIVE DOWELS AND ANCHORS IN CONCRETE SHALL BE OF THE TYPE SHOWN AND INSTALLED USING "HIT-HY 200" BY HILTI, "SET" BY SIMPSON STRONG TIE OR APPROVED EQUAL.
- 10. CONTRACTOR SHALL SUBMIT MANUFACTURERS LITERATURE FOR THE ANCHOR SYSTEM TO BE USED. THIS LITERATURE SHALL INCLUDE ANCHOR MATERIAL, STRENGTH DATA, EMBEDMENT LENGTH, DRILL BIT SIZE AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. FOR ADHESIVE ANCHORS INCLUDE ADHESIVE

SPECIAL INSPECTIONS

PER THE IBC SECTION 1704, SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:

- a. INSPECTION OF REINFORCING STEEL AND PLACEMENT. (PERIODIC)
- b. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE. (CONTINUOUS)
- c. VERIFYING USE OF REQUIRED MIX DESIGN. (PERIODIC)
- d. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM
- SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
- e. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
- (CONTINUOUS)
- f. INSPECTION OF SPECIFIED CURING AND TEMPERATURE AND TECHNIQUES. (PERIODIC)
- g. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.
- h. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
- (PERIODIC) i. NO INSPECTION IS REQUIRED FOR SLABS ON GRADE

GEOTECHNICAL:

PROPERLY PREPARED. (PERIODIC)

- a. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
- b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
- c. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. (PERIODIC) d. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION
- OF CONTROLLED FILL. (CONTINUOUS) e. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN
- 3. EXPANSION AND EPOXY ADHESIVE ANCHORS:

a. RECORD PRODUCT DESCRIPTION INCLUDING THE ADHESIVE PRODUCT NAME AND EXPIRATION DATE, ADHESIVE MIXING PROCEDURE AND USE OF PROPER NOZZLES FOR ALL CARTRIDGES. (PERIODIC)

- b. VERIFY ANCHOR OR REINFORCEMENT BAR MATERIAL, GRADE, DIAMETER, LENGTH, AND CLEANLINESS.
- c. VERIFY DRILL BIT DIAMETER, INCLUDING VERIFICATION OF DIAMOND-CORE AND CARBIDE-TIPPED DRILL BIT
- COMPLIANCE WITH ANSI B212.15. (PERIODIC) d. VERIFY DEPTH AND CLEANLINESS OF HOLES. (PERIODIC)
- e. VERIFY CONCRETE COMPRESSIVE STRENGTH BY ASTM C42 METHODS. (PERIODIC) f. VERIFY PHYSICAL PROPERTIES OF THE CONCRETE MASONRY WALL CONSTRUCTION COMPONENTS. (PERIODIC)
- g. VERIFY SUBSTRATE TEMPERATURE AT TIME OF ANCHOR INSTALLATION. (PERIODIC) h. VERIFY ACTUAL GEL TIME WHEN INSTALLED ANCHORS ARE NOT DISTURBED. (PERIODIC) i. VERIFY THAT THE ANCHOR INSTALLATION AND LOCATION, INCLUDING SPACING AND EDGE DISTANCE, ARE IN
- a. VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES CONFORMING TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS FOR
- PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES. b. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF AN APPROVED
- FABRICATOR. c. VERIFY THE GRADE AND THICKNESS OF WOOD STRUCTURAL PANEL SHEATHING.

THE COMPLETION OF THAT PHASE OF THE WORK.

ACKNOWLEDGING THE REQUIREMENTS OF IBC SECTION 1710.

COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS. (PERIODIC)

- d. VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES. e. VERIFY THE NAIL OR STAPLE DIAMETER AND LENGTH CONNECTING THE WOOD STRUCTURAL PANEL
- SHEATHING. f. VERIFY THE NUMBER OF FASTENER LINES AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE
- g. INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE LATERAL-FORCE-RESISTING-SYSTEM, INCLUDING, BUT NOT LIMITED TO WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS. (PERIODIC)
- 5. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR: a. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE
- APPROVED CONSTRUCTION DOCUMENTS. b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE
- REGISTERED DESIGN PROFESSIONAL IN CHARGE. c. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE PRIOR TO
- d. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

e. PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL PROVIDE STATEMENT OF SPECIAL INSPECTIONS



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-	12/10/21	BID SET
-	11/12/21	PERMIT SET
MARK	DATE	DESCRIPTION

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SHEET TITLE

PROJECT NO:

DRAWN BY:

GENERAL NOTES

HOLLOW CORE

HIGH STRENGTH

INSIDE DIAMETER INSIDE FACE

KIPS PER SQUARE FOOT

INFORMATION INTERIOR

KSI KIPS PER SQUARE INCH

HORIZONTAL

HEIGHT

HEAVY

INCH

INVERT

JOIST JOINT

KIPS

HORIZ

HT

HVY

INFO INT

STRUCTI	JRAL DRAWING ABBREVIATIONS		
ADDL ADJ AESS ALT	ADDITIONAL ADJACENT ARCH EXPOSED STRUCTURAL STEEL ALTERNATE AND APPROXIMATELY ARCHITECT or ARCHITECTURAL AT or SPACING BOTTOM OF BUILDING LINE	L LBS LF LG LL LLH LLV LOC LONG LSH LSV LT WT	ANGLE POUNDS LINEAL FEET LONG LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LOCATION LONGITUDINAL LONG SIDE HORIZONTAL LONG SIDE VERTICAL LIGHT WEIGHT
BLDG BLKG BM BRDG BRG BTWN BOT CANT CL CLR CTR	BUILDING BLOCKING BEAM BRIDGING BEARING BETWEEN BOTTOM CANTILEVER CENTERLINE CLEAR CENTER	MANUF MAS MATL MAX MECH MEZZ MFR MIN MISC MK MTL	MANUFACTURER MASONRY MATERIAL MAXIMUM MECHANICAL MEZZANINE MANUFACTURER MINIMUM MISCELLANEOUS MARK METAL
COL CONC CONN CONST CONT CJ CMU CONT CUFT	COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CONTROL/CONSTRUCTION JOINT CONCRETE MASONRY UNIT CONTINUOUS CUBIC FEET	NO. or # NOM NS NTS OC OD OF	NUMBER NOMINAL NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER OUTSIDE FACE
OBL OBL	CUBIC YARDS DOUBLE DEGREE DEMOLITION DETAIL DOUGLAS FIR LARCH DIAGONAL DIAMETER DIMENSION DITTO DOWN DEEP DRAWING DOWEL	O/O OPNG OPP PAF PAR PC PERP PL PLF PLYWD PREFAB	OUT TO OUT OPENING OPPOSITE POWDER ACTUATED FASTENE PARALLEL PRECAST PERPENDICULAR PLATE
EA EF EJ EL ELEC EMBED	EACH EACH FACE EXPANSION JOINT ELEVATION ELECTRICAL EMBEDDED, EMBEDMENT	QL QTY RAD REF	SEISMIC LOAD QUANTITY RADIUS REFERENCE
EQ EQUIP ES EW EXIST EXP	EQUAL EQUIPMENT EACH SIDE EACH WAY EXISTING EXPANSION	REQD SCHED SECT	REINFORCEMENT, REINFORCING REINFORCED REQUIRED SCHEDULE SECTION
FAB FDN FIN FLG FLR FS FT FTG	EXTERIOR FABRICATE FOUNDATION FINISH FLANGE FLOOR FARSIDE FOOT, FEET FOOTING	SF SHT SIM SOG SPA SPEC(S) SPF SQ SS STD STIFF	
GA GAL GALV GC GEN GLB GR	GAGE GALLON GALVANIZED GENERAL CONTRACTOR GENERAL GLUE LAMINATED BEAM GRADE	STL STR STRUCT SUP SYM SYP	STEEL STRUCTURAL STRUCTURAL SUPPORT SYMMETRICAL SOUTHERN YELLOW PINE
GYP BD	GYPSUM BOARD HOLLOW CORF	T T/ T&B	TOP TOP OF TOP AND BOTTOM

TOP AND BOTTOM

TEMP TEMPERATURE STEEL

THD THREAD
THK THICK
THRU THROUGH
TOL TOLERANCE

TRANS TRANSVERSE

TYP TYPICAL

VERT VERTICAL
VIF VERIFY IN F

WITH

W/O WITHOUT
WD WOOD
WP WORKPOINT
WT WEIGHT

TONGUE AND GROOVE

UN or UNO UNLESS NOTED (OTHERWISE)

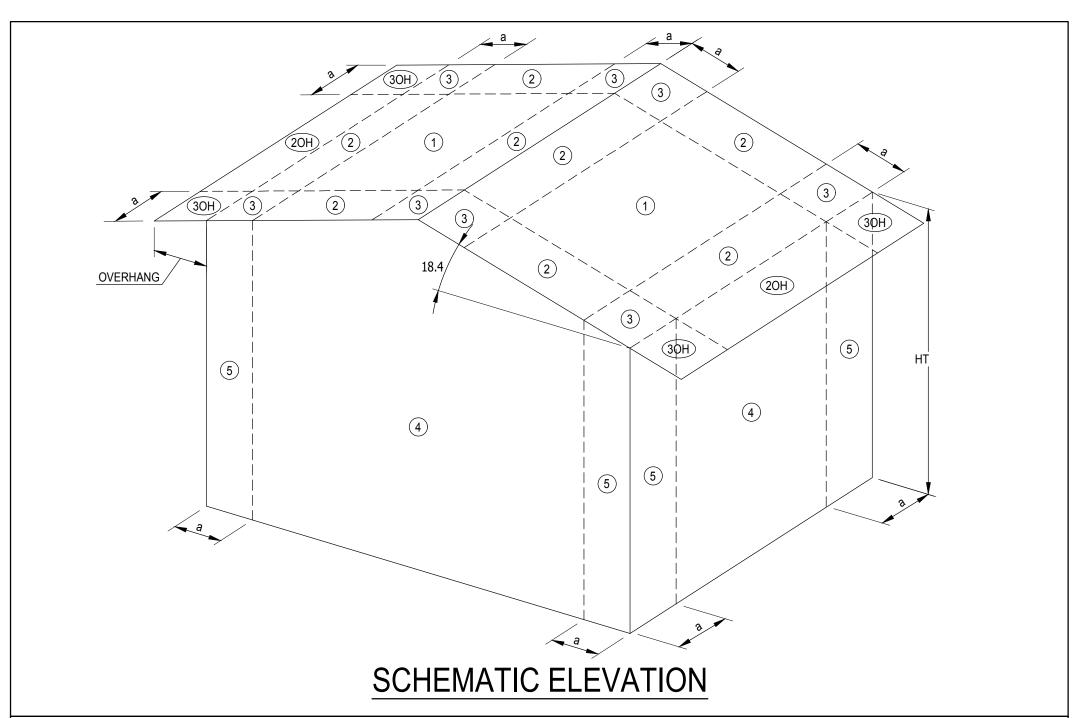
VERIFY IN FIELD

WWF WELDED WIRE FABRIC

T&G

LAP TABLE (f'c = 4,000 PSI, EPOXY-COATED)

LAP TABL	E (1C = 4,000)	PSI, EPUXY-	COATED)
BAR SIZE	LAP CLASS	TOP BARS	OTHER BARS
	А	24	22
#3	В	32	28
#4	А	33	29
	В	42	37
#5	А	41	36
#5	В	53	47
#6	А	49	43
#0	В	63	56
#7	А	71	63
π1	В	92	81
#8	А	81	71
#0	В	105	93
#9	А	91	81
#3	В	119	105
#10	А	103	91
#10	В	133	118
#11	А	114	101
#11	В	148	131



WIND PRESSURE (ASCE 7-10) FOR COMPONENTS & CLADDING

				·- () ·• •	– · · · · ,		····· • · · · ·		· -/			
EFFECTIVE AREA OF	ZON	NE 1		ZONE 2			ZONE 3		ZON	NE 4	ZON	IE 5
OPENING, A (S.F.)	PRESSURE (PSF)	SUCTION (PSF)	PRESSURE (PSF)	SUCTION (PSF)	OVERHANG (PSF)	PRESSURE (PSF)	SUCTION (PSF)	OVERHANG (PSF)	PRESSURE (PSF)	SUCTION (PSF)	PRESSURE (PSF)	SUCTION (PSF)
A ≤ 10	16.00	-17.50	16.00	-28.83	-36.67	16.00	-28.83	-55.66	18.78	-20.45	18.78	-24.57
10 < A ≤ 20	16.00	-16.84	16.00	-25.51	-36.67	16.00	-25.51	-47.70	17.61	-19.28	17.61	-22.22
20 < A ≤ 50	16.00	-16.34	16.00	-23.00	-36.67	16.00	-23.00	-41.68	16.73	-18.39	16.73	-20.45
50 < A ≤ 100	16.00	-16.34	16.00	-23.00	-36.67	16.00	-23.00	-41.68	16.00	-17.51	16.00	-18.68

- NOTES:

 1. VALUES LISTED IN THE ABOVE TABLE ARE BASED UPON AN ENCLOSED BUILDING USING THE SPECIFIED WIND LOADING AS INDICATED IN THE 'DESIGN LOADS' SECTION OF THE GENERAL NOTES.

 2. PRESSURE (POSITIVE) AND SUCTION (NEGATIVE) VALUES SIGNIFY LOADING ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY (FULL HEIGHT, UNLESS NOTED.)

 1. VALUES LISTED IN THE ABOVE TABLE ARE BASED UPON AN ENCLOSED BUILDING USING THE SPECIFIED WIND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY (FULL HEIGHT, UNLESS NOTED.)

 2. PRESSURE (POSITIVE) AND SUCTION (NEGATIVE) VALUES SIGNIFY LOADING DESCRIPTION OF THE GENERAL NOTES.

 3. PRESSURE (POSITIVE) AND SUCTION (NEGATIVE) VALUES SIGNIFY LOADING DESCRIPTION OF THE BUILDING SURFACES, RESPECTIVELY (FULL HEIGHT, UNLESS NOTED.)
- PRESSURE (FOSTIVE) AND SOCTION (NEGATIVE) VALUES SIGNIFT LOADING ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY (FULL HEIGHT, UNLESS NOTED.)
 VALUES LISTED IN THE ABOVE TABLE ARE ALLOWABLE STRESS DESIGN WIND PRESSURES. TO OBTAIN ULTIMATE WIND VALUES, MULTIPLY THE VALUES SHOWN IN THE ABOVE TABLE BY 1.6.
 EDGE STRIP "a" = 5'-0", UNLESS NOTED OTHERWISE.
 #OH DENOTES OVERHANG WIND LOAD IN CORRESPONDING ZONE.
 Θ DENOTES ROOF SLOPE, SEE ROOF PLAN.



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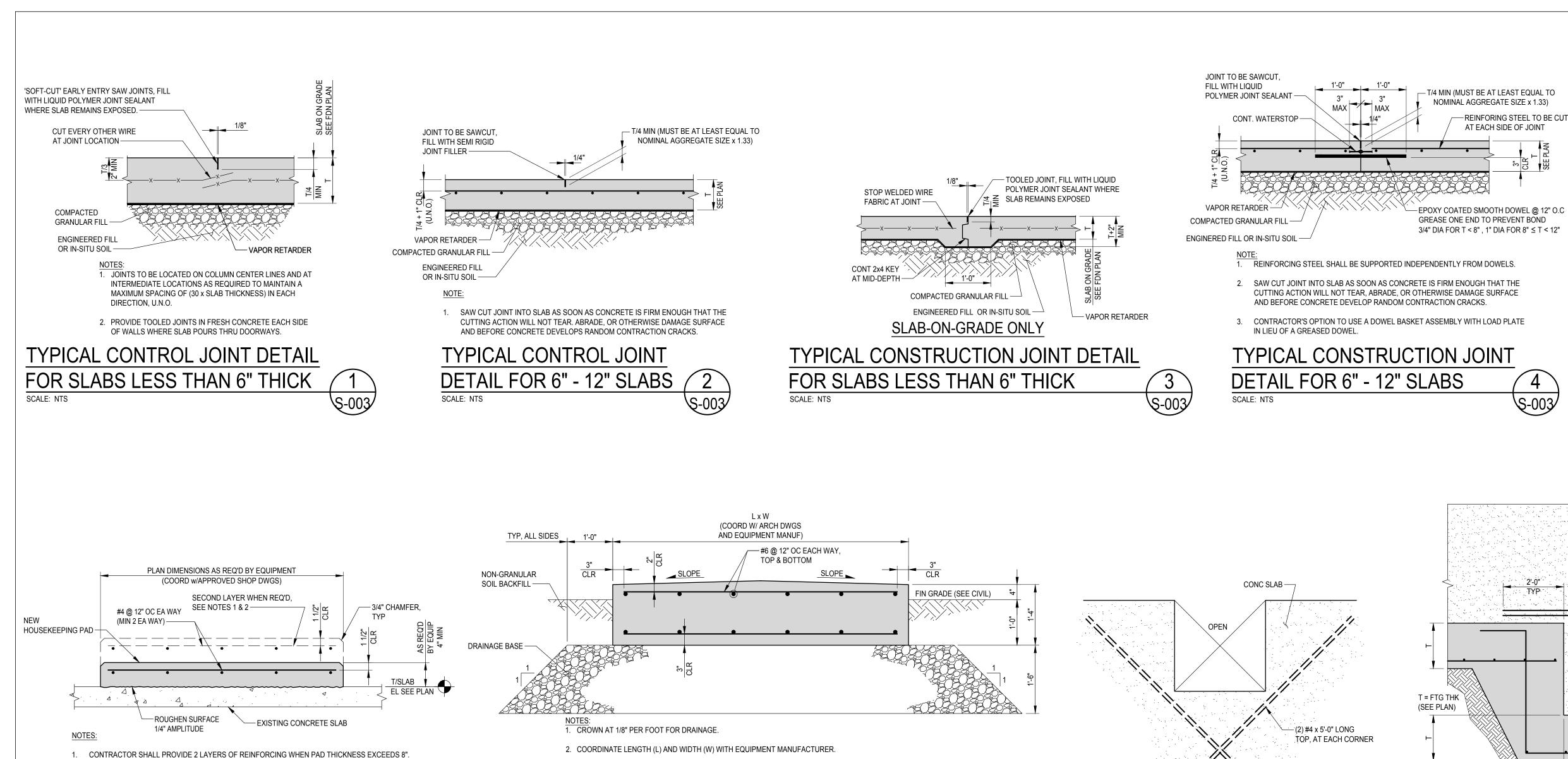
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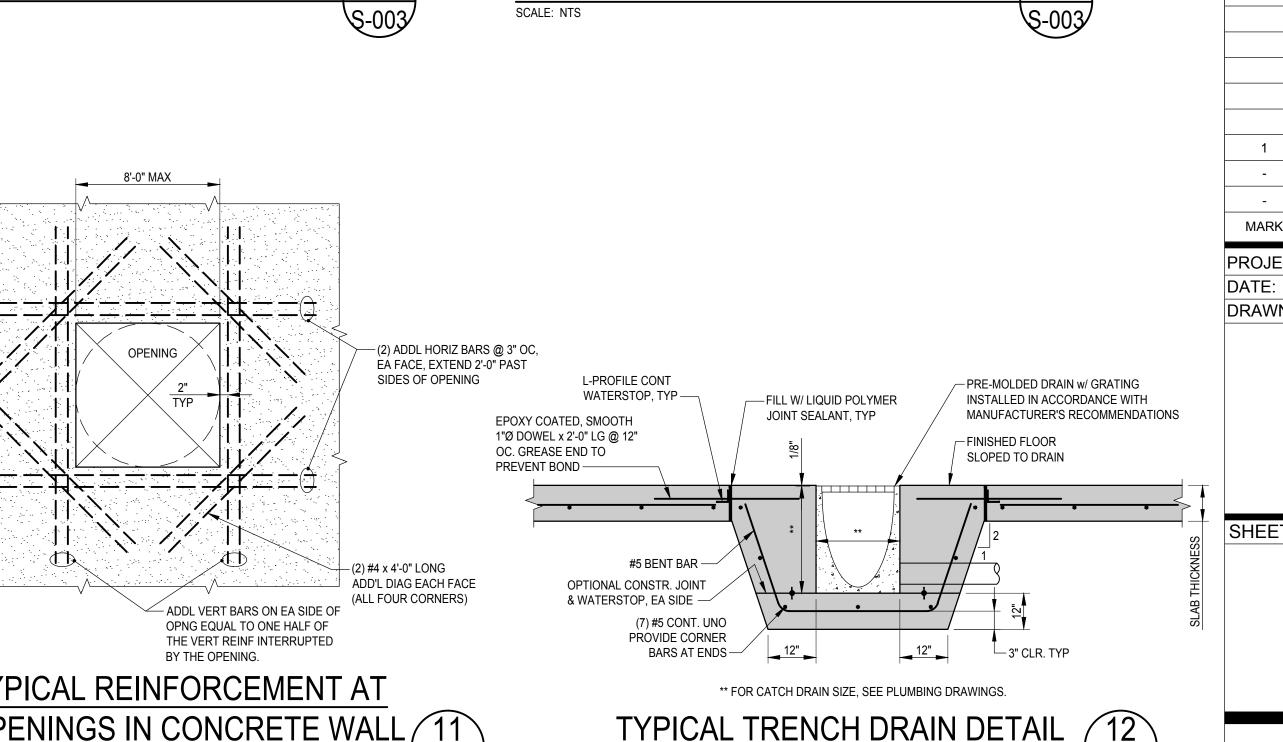
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SHEET TITLE

GENERAL NOTES & TYPICAL **DETAILS**





SCALE: NTS

TYP. DEPRESSED FOOTING DETAIL

@ WALL PENETRATIONS

\\$-003/

- CONCRETE WALL

-(2) #6 EXTRA, (1, EACH FACE)

-PIPE SLEEVE WITH 1"

COMPRESSIBLE FILLER

-PROPOSED PIPE

(SEE PLAN)

-MATCH FTG REINF



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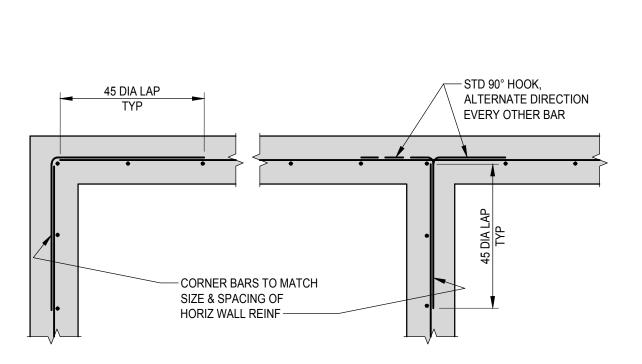
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SHEET TITLE

TYPICAL FOUNDATION **DETAILS**

S-003



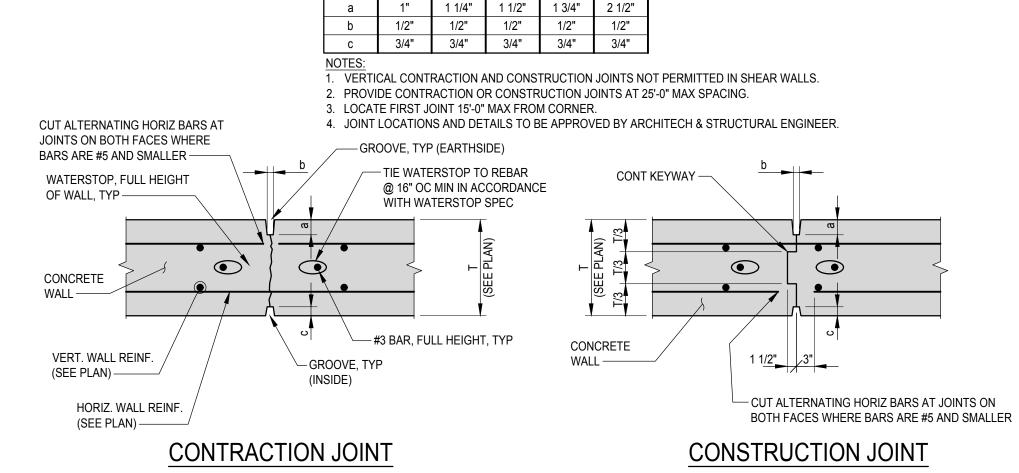
2. IF SECOND LAYER OF REINFORCING IS REQ'D. SPACING BETWEEN LAYERS SHALL NOT EXCEED 8

TYPICAL HOUSEKEEPING PAD DETAIL

4. COORDINATE SIZE, LOCATION & QUANTITY OF EQUIP ANCHOR BOLTS IF REQ'D, WITH APPROVED SHOP DWGS.

3. SEE PLUMBING, MECH & ELECTRICAL DRAWINGS FOR SIZE, LOCATION & QUANTITY OF PADS

TYPICAL CONC WALL CORNER DETAIL SINGLE LAYER



3. USE NON-SHRINK GROUT TO SET EQUIPMENT.

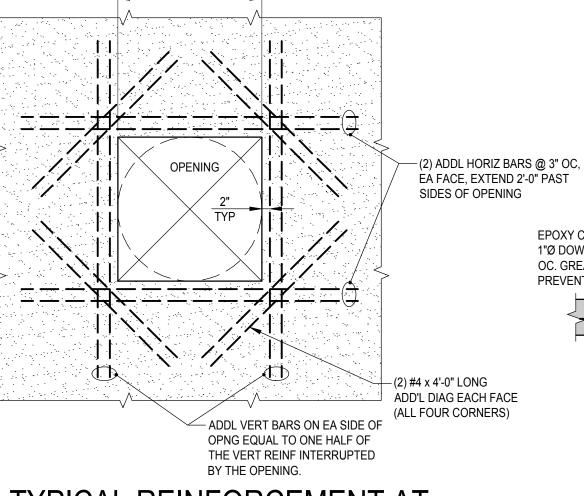
4. CONNECTION OF EQUIPMENT TO PAD SHALL BE PER EQUIPMENT MANUFACTURER

5. CONTRACTOR SHALL FIELD LOCATE REINFORCING STEEL PRIOR TO INSTALLING EPOXY OR EXPANSION

TYPICAL EXTERIOR EQUIPMENT PAD DETAIL

ANCHORS. (SEE POST INSTALLED FASTENERS SECTIONS OF GENERAL NOTES FOR MORE INFO).

TYPICAL VERTICAL CONTRACTION AND CONSTRUCTION JOINTS IN CONCRETE WALL 10

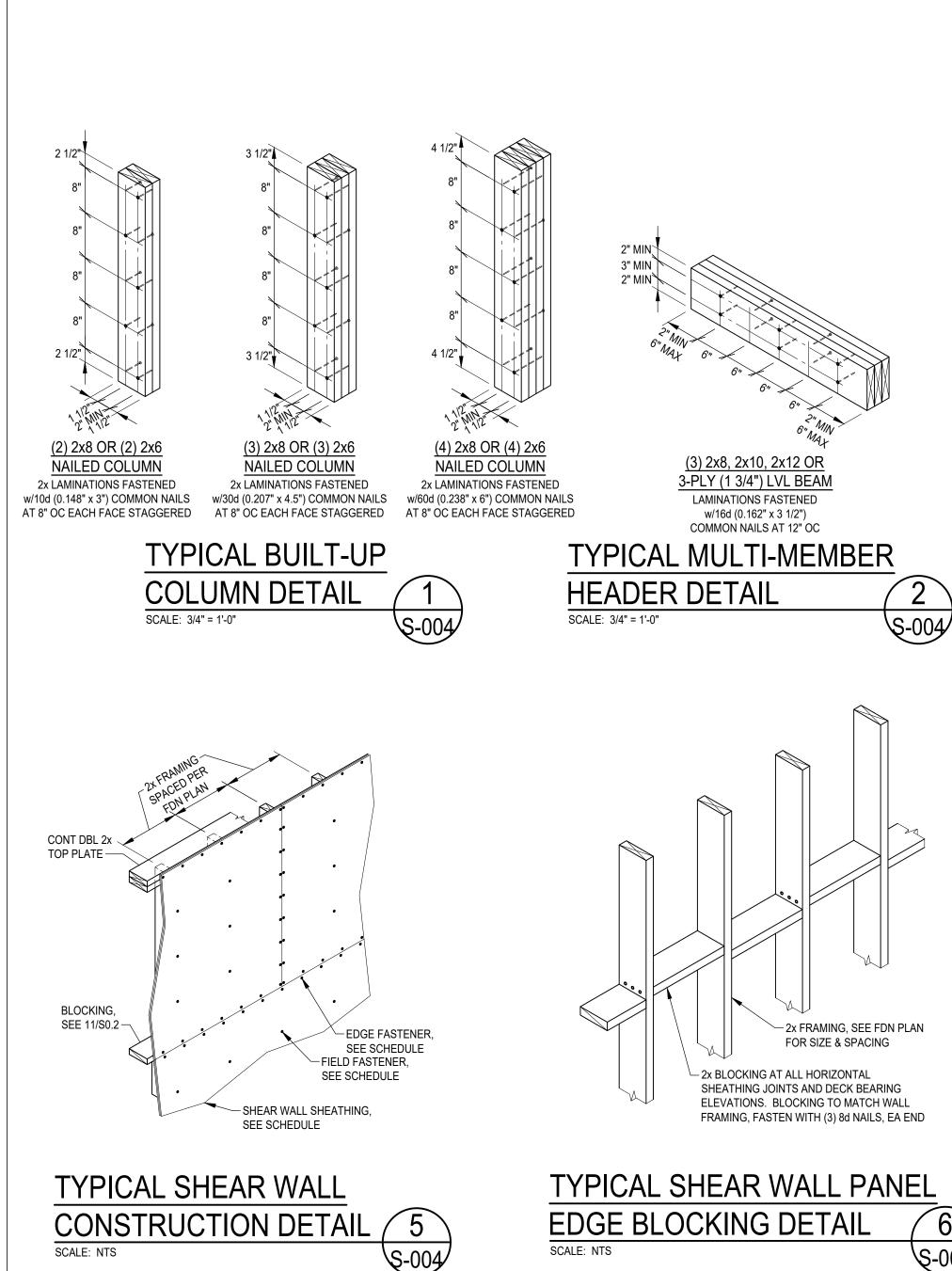


PLAN VIEW

TYPICAL FLOOR SLAB REINF.

AT RE-ENTRANT CORNERS

TYPICAL REINFORCEMENT AT OPENINGS IN CONCRETE WALL 11



NOTE: SEE ARCH DWGS FOR WATERPROOFING REQUIREMENTS INCLUDING CAP PLATES, SEAL

— GALV HSS12x2 FRAME, SEE PLAN

_ 2x WALL JAMB/KING

STUDS, SEE PLAN

CONC STEM WALL

PROVIDE CONT 2x8 BLKG

@ WALL STUD FRAMING

INSIDE HSS FRAME

- GALV 3/8"Ø LAG SCREWS @ 16" OC,

EMBED INTO WALL STUD FRAMING)

STAGGERED AS SHOWN (MIN 3"

TYP JAMB/HEADER FRAME ATTACHMENT

BELOW, SEE PLAN

2x STUD WALL FRAMING ABOVE

WOOD HEADER,

SEE PLAN-

GALV HSS12x2

PROVIDE CONT

HSS FRAME -

2x8 BLKG INSIDE

@ HEADER

\$-004

FRAME, SEE PLAN —

WELDS, WEEP HOLES, ETC.

- GALV HSS12x2 FRAME, SEE PLAN

- CONC STEM WALL

SEE PLAN

PROVIDE CONT 2x8 BLKG

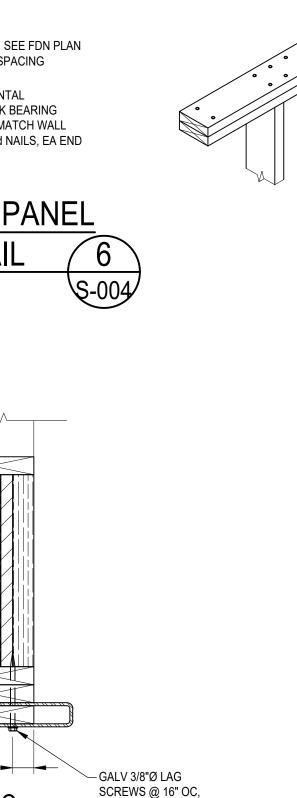
INSIDE HSS FRAME

-3/8"Ø HILTI KWIK HUS

SCREW ANCHOR @ 16" OC

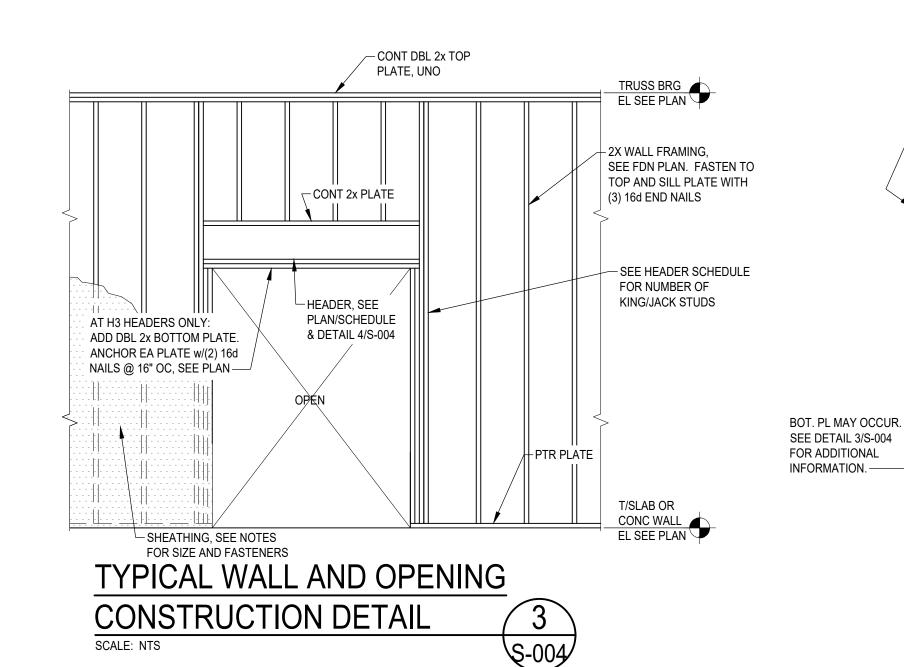
VERT W/ 3 1/4" MIN EMBED

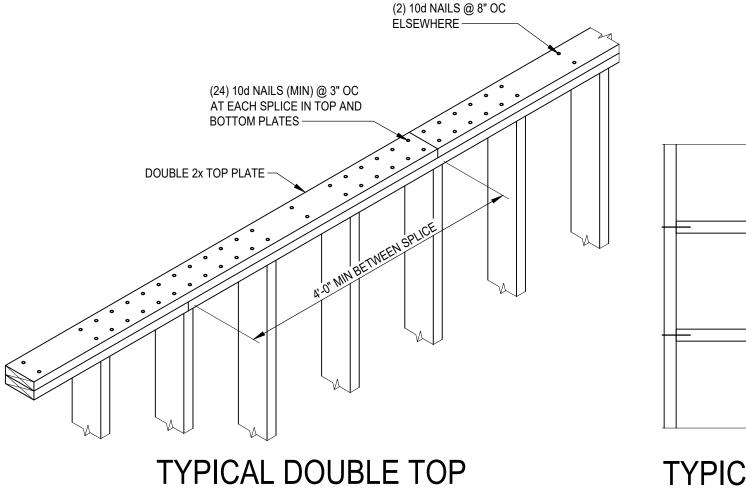
@ CONC SIDE-WALL



STAGGERED AS SHOWN (MIN 3" EMBED

INTO HEADER ABOVE)





\\$-004

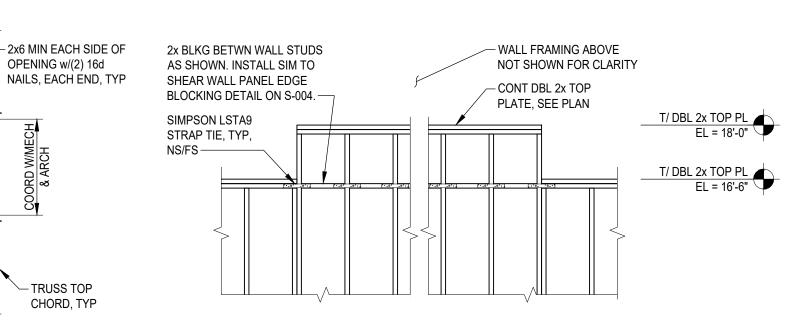
PLATE SPLICE DETAIL

SCALE: NTS



COORD w/MECH

& ARCH



TRUSS BRG

EL SEE PLAN

2x WALL FRAMING, SEE FDN PLAN

- (4) 16d MIN INTO EACH

PLY AT EACH END OF

T/OPENING EL SEE ARCH

-KING STUDS,

SEE SCHEDULE

HEADER

- SHEATHING, SEE NOTES FOR SIZE AND FASTENERS - CONT DBL 2x TOP PLATE -

> -16d NAILS @ 16" OC STAGGERED

PLYWOOD FILLERS

SCALE: NTS

OPENING w/(2) 16d

TRUSS TOP

AS REQD, SEE ARCH

HEADER, SEE SCHEDULE -

SEE SCHEDULE -

TYPICAL WOOD HEADER

CONSTRUCTION DETAIL

SIMPSON A35 CLIP TO ATTACH HEADER TO KING STUDS, TYP @ EA END OF LVL HEADER (H3) -





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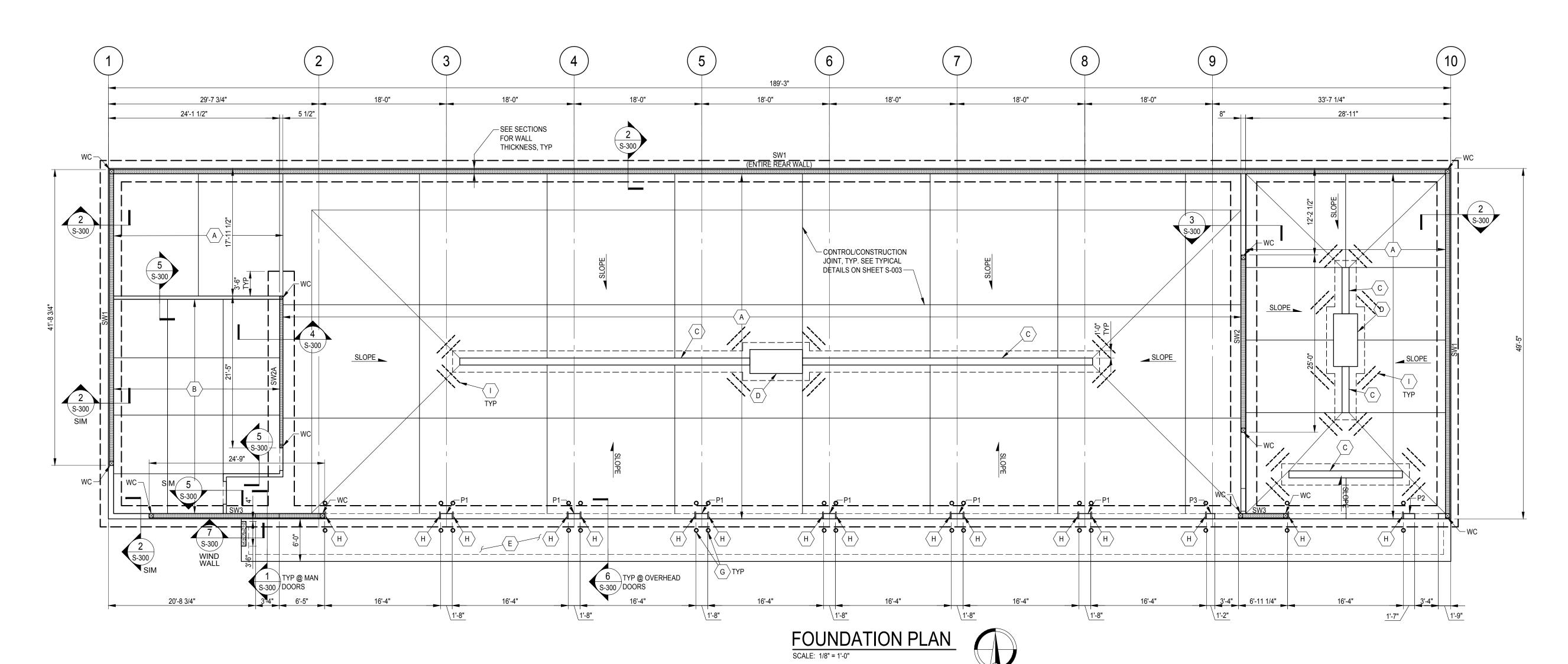
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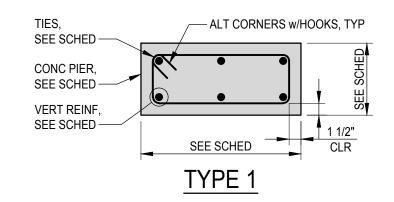
TYPICAL FRAMING **DETAILS**



	SHEAR WALL SCHEDULE												
	SHEAR WALL SYTEM					FRAMING		HOLD DOWN SYSTEM					;
MARK	SHEATHING TYPE	OUEATUINO	FAS	STENERS		STUD	T NOMINAL SILL BY		ANCHOR DIAMETER	MIN ANCHOR EMBEDMENT	BOUNDARY END POST (LOCATE EACH END)	REMARKS	
W u Ci C		SHEATHING APPLICATION	NAIL SIZE	SPACING AT EDGES	SPACING IN FIELD	THICKNESS AT PANEL JOINTS						NEW WAY	4
SW1	5/8" GYPSUM BOARD, SEE ARCH	OUTSIDE FACE ONLY	6d COOLER OR WALLBOARD NAILS	7" OC	12" OC	2X	2X	HDU5 - SDS2.5	5/8"ø	12"	(2) 2x8		į
SW2 / SW2A	19/32" APA RATED SHEATHING	FACE ADJACENT TO TRUCK STORAGE	10d	4" OC	12" OC	2X	2X	HDU8 - SDS2.5	7/8"ø	18"	(3) 2x8 @ SW2 (4) 2x6 @ SW2A	PROVIDE 1/2"Ø SILL PL ANCHORS @ 24" OC MAX (0'-8" EMBED)	
SW3	19/32" APA RATED SHEATHING	OUTSIDE FACE ONLY	10d	4" OC	12" OC	2X	2X	HDU8 - SDS2.5	7/8"ø	18"	(3) 2x8	PROVIDE 1/2"Ø SILL PL ANCHORS @ 24" OC MAX (0'-8" EMBED)	

BOUNDARY END POST MEMBERS SHALL BE NAILED TOGETHER PER THE BUILT-UP COLUMN REQUIREMENTS SHOWN IN THE TYPICAL DETAILS.

ANCHOR ROD OR ADHESIVE DOWEL FOR HOLD DOWN SHALL BE ASTM F1554, GRADE 36 MATERIAL. DIAMETER SHALL BE AS REQUIRED BY HOLD-DOWN MANUF, SEE SHEAR WALL SCHEDULE FOR EMBEDMENT LENGTH. ALL FOUNDATION ANCHOR BOLTS @ SHEAR WALL LOCATIONS SHALL HAVE A STEEL PLATE WASHER NOT LESS THAN 0.229" x 3" x 3" in Size.



PIER SCHEDULE								
	SI	ZE	REINFO					
MARK	MARK "L"		VERT.	TIES	TYPE			
P1	1'-8"	9"	(6) #6	#3 @ 12" O.C.	1			
P2	1'-7"	9"	(6) #6	#3 @ 12" O.C.	1			
P3	1'-2"	9"	(4) #6	#3 @ 12" O.C.	1 SIM.			

FOUNDATION PLAN NOTES:

- 1. SEE SHEETS S-001 & S-002 FOR STRUCTURAL GENERAL NOTES.
- 2. SEE SHEET S-003 FOR TYPICAL FOUNDATION DETAILS.
- 3. COORDINATE LOCATION AND SIZE OF PENETRATIONS AND OPENINGS WITH MECHANICAL AND SITE DRAWINGS.
- 4. TOP OF CONCRETE WALL SHALL BE AT ELEVATION +4'-0" U.N.O., SEE SECTIONS FOR ADDITIONAL INFORMATION.
- 5. TOP OF FOOTING ELEVATION SHALL BE AT ELEVATION -2'-8", U.N.O.
- 6. PIER TYPES ARE INDICATED P-#. SEE THIS SHEET FOR PIER SCHEDULE.
- 7. BOTTOM OF FOOTING DETAILS SHOWN ARE BASED UPON FOUNDATIONS BEARING ON MATERIALS AS LISTED IN FOUNDATION GENERAL NOTE NO. 2 ON SHEET S001. BEARING ELEVATIONS HAVE BEEN ESTABLISHED FROM THE GRADING PLAN AND SOILS REPORT. FOUNDATION BEARING SURFACES MUST BE INSPECTED AND APPROVED IN ACCORDANCE WITH FOUNDATION GENERAL NOTE NO. 4 ON SHEET S-001 AND BOTTOM OF FOOTING ELEVATIONS ADJUSTED ACCORDINGLY.
- 8. CONCRETE PIERS AND WALLS SHALL BE CENTERED ON FOOTING, U.N.O.
- 9. ALL EXTERIOR WALL FRAMING TO BE 2x8 WOOD STUDS @ 16" O.C. ALL EXTERIOR WALLS SHALL BE SHEATHED PER SHEAR WALL TYPE SW1, TYP UNO.
- 10. ALL PERIMETER BUILDING DIMENSIONS ARE MEASURED TO THE OUTSIDE FACE OF THE CONCRETE FOUNDATION WALL. SEE ARCHITECTURAL DRAWINGS FOR ALL MEASUREMENTS NOT SHOWN. ALL DIMENSIONS SHALL CONFORM TO THE ARCHITECTURAL DRAWINGS.
- 11. TOP/FINISHED SLAB-ON-GRADE SHALL BE AT ELEVATION 0'-0" (REF), TYP., U.N.O. SEE ARCHITECTURAL DRAWINGS FOR SLOPES TO DRAIN.
- 12. CONTRACTOR SHALL COORDINATE SLAB FINISHES WITH ARCHITECTURAL AND SITE DRAWINGS.
- 13. FOR SLAB-ON-GRADE CONSTRUCTION AND CONTROL JOINT SPACING CRITERIA AND DETAILS, SEE TYPICAL DETAIL ON SHEET S-003
- 14. CONTRACTOR SHALL EXERCISE EXTREME CAUTION SO AS NOT TO UNDERMINE, DISTURB, DAMAGE OR, IN ANY WAY, CAUSE UNDESIRABLE MOVEMENT, CRACKING, AND/OR SETTLEMENT OF THE ADJACENT EXISTING CONSTRUCTION.
- 15. WC DENOTES BOUNDARY END POST PER SHEAR WALL SCHEDULE.
- 16. DENOTES SHEAR WALL. SW# DENOTES TYPE. SHEATHING/PLYWOOD TO BE CONSTRUCTED ON EXTERIOR OF BUILDING, UNO. SEE SCHEDULE AND GENERAL NOTES FOR ADDITIONAL INFORMATION.

FOUNDATION PLAN CODED NOTES: (

- A. 8" THICK INTERIOR CONCRETE SLAB ON GRADE W/ #4 EPOXY COATED REINFORCING @ 16" O.C. EACH WAY, OVER A 10 MIL VAPOR RETARDER, OVER 6" ODOT 304, OVER PREPARED SUBGRADE, TYP. (UNO). CONCRETE SHALL HAVE A STEEL TROWEL FINISH.
- B. 4" THICK CONCRETE SLAB ON GRADE W/ 6x6-W2.9xW2.9 EPOXY COATED WELDED WIRE FABRIC CENTERED WITHIN SLAB, OVER A 10 MIL VAPOR RETARDER, OVER 6" ODOT 304, OVER PREPARED SUBGRADE. CONCRETE SHALL HAVE A STEEL TROWEL
- C. CONCRETE TRENCH DRAIN, SEE TYPICAL DETAIL
- D. SEE PLUMBING DRAWINGS FOR DRAIN SIZE
- E. CONCRETE APRON. PROVIDE BROOM FINISH. THICKNESS & REINFORCING TO MATCH
- F. BRINE SYSTEM EQUIPMENT PAD. SEE TYPICAL EXTERIOR SECTIONS.
- G. DENOTES BOLLARD. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- H. DENOTES HSS12x2x3/16 (GALV) JAMB/HEADER FRAME FASTENED TO ADJACENT CONCRETE WAINSCOT, WOOD WALL STUDS, AND THE UNDERSIDE OF THE HEADER AT OVERHEAD DOORS. SEE TYPICAL JAMB/HEADER FRAME ATTACHMENT DETAILS ON SHEET S-004.
- I. RE-ENTRANT CORNER SLAB REINFORCING PER TYP DETAIL.



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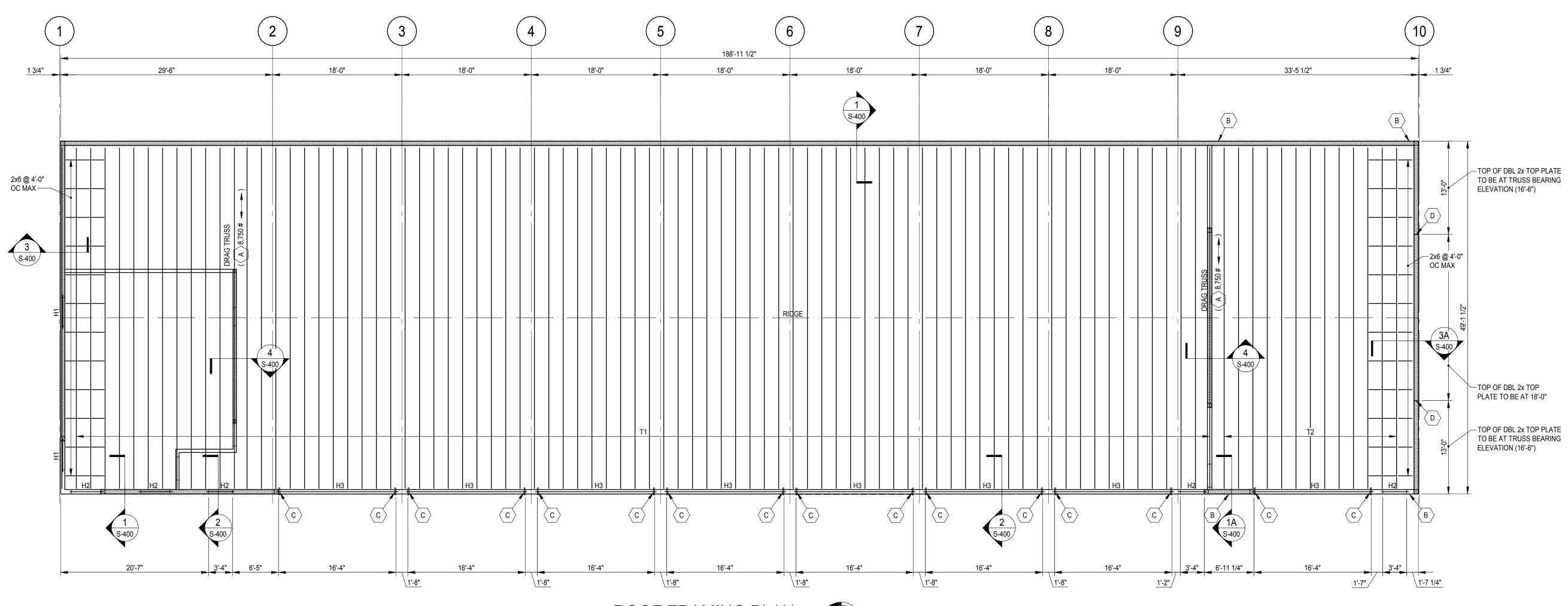
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SHEET TITLE

FOUNDATION PLAN



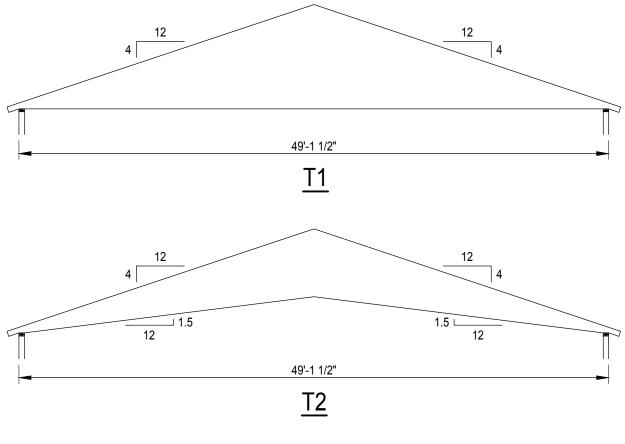
ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"



WOOD DIAPHRAGM SHEATHING SCHEDULE (1,2)											
		MIN. NOMINAL WIDTH OF FRAMING	MINIMUM PANEL SPAN INDEX		SHEATHING GRADE	COMMON NAIL	MINIMUM	NAIL SPACING			
LEVEL	PANEL GRADE	MEMBERS AT ADJOINING PANEL EDGES AND BOUNDARIES	THICKNESS	RATIO	CLASSIFICATION	SIZE (3)	FASTENER PENETRATION	DIAPHRAGM BOUNDARIES		AT OTHER	REMARKS
								EDGE	FIELD	EDGES	KEWAKKO
ROOF	5-PLY SHEATHING	2x MIN	19/32"	40/20	C-D EXPOSURE 1	10d (0.148"x3")	1 1/2"	6"	12"	6"	UNBLOCKED
		NOTEO						-			

- 1. NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE EDGES OF PANEL.
- 2. PROVIDE 1/8" EDGE AND END JOINT BETWEEN PANELS UNLESS NOTED OTHERWISE.
- 3. REFER TO NOTE 10 OF THE WOOD GENERAL NOTES SECTION ON S-001 FOR ADDITIONAL INFORMATION REGARDING FASTENING OF ROOF SHEATHING.



TRUSS DIAGRAMS

SCALE: NTS

ROOF FRAMING PLAN NOTES:

- 1. SEE SHEETS S-001 & S-002 FOR STRUCTURAL GENERAL NOTES.
- 2. SEE SHEET S-004 FOR TYPICAL FRAMING DETAILS.
- 3. ALL PERIMETER BUILDING DIMENSIONS ARE MEASURED TO THE OUTSIDE FACE OF STUD WALL. SEE ARCHITECTURAL DRAWINGS FOR ALL MEASUREMENTS NOT SHOWN. ALL DIMENSIONS SHALL CONFORM TO THE ARCHITECTURAL DRAWINGS.
- 4. COORDINATE LOCATION AND SIZE OF ALL ROOF PENETRATIONS AND OPENINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 5. SEE ARCHITECTURAL AND MECHANICAL SHEETS FOR EQUIPMENT WEIGHT AND LOCATIONS NOT INDICATED.
- 6. TRUSS BEARING AT ELEVATION 16'-6", U.N.O.
- 7. TYPICAL ROOF CONSTRUCTION: WOOD SHEATHING ON PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPE.
- 8. ONLY TRUSSES ARE SHOWN. PERMANENT BRACING FOR TRUSSES NOT SHOWN BUT REQUIRED PER TRUSS DESIGNER SPECIFICATIONS.
- 9. H# INDICATES HEADER/BEAM, SEE SCHEDULE FOR ADDITIONAL INFORMATION.
- 10. DENOTES SHEAR WALL. REFERENCE FOUNDATION PLAN. SEE SCHEDULE AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 11. T# INDICATES TRUSS TYPE PER TRUSS DIAGRAMS THIS SHEET.

ROOF FRAMING PLAN CODED NOTES:

- A. ASD SERVICE LEVEL WIND DRAG FORCE TO BE TRANSFERRED THROUGH TRUSS TO BOTTOM CHORD CONNECTION AT SHEAR WALL.
- B. G.C. TO COORDINATE THE INSTALLATION OF BLOCKING WITHIN WALLS AS REQUIRED FOR INSTALLATION OF HOSE TROLLEY SYSTEM PER MANUFACTURER'S REQUIREMENTS. COORD LOCATION W/ ARCH DWGS.
- C. DENOTES HSS12x2x3/16 (GALV) JAMB/HEADER FRAME FASTENED TO ADJACENT CONCRETE WAINSCOT, WOOD WALL STUDS, AND THE UNDERSIDE OF THE HEADER AT OVERHEAD DOORS. SEE TYPICAL JAMB/HEADER FRAME ATTACHMENT DETAIL ON SHEET S-004.
- D. SEE TYPICAL CHANGE IN DOUBLE 2x TOP PLATE ELEVATION DETAIL ON SHEET S-004.

HEADER SCHEDULE							
MARK	MEMBER SIZE	STUDS AT EACH SIDE OF OPENING	REMARKS				
H1	(3) 2x8	2J/2K					
H2	(3) 2x10	2J/2K					
Н3	(3) 1 3/4" x 16" LVL	3J/3K					

NOTES: 1. PROVIDE WOOD HEADERS OVER ALL OPENINGS IN LOAD BEARING WALLS. IF NO HEADER IS SPECIFIED, PROVIDE H2 AT WALLS SUPPORTING TRUSSES AND H1 AT OTHER WALLS.

- 2. AT TRIPLE 2x HEADER/BEAMS, PROVIDE PLYWOOD FILLERS BETWEEN MEMBERS.
- NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER AS SHOWN IN THE TYPICAL DETAILS.
- STUDS AT EACH END OF HEADER/BEAM ARE AS NOTED ABOVE, UNLESS NOTED OTHERWISE.
 J = JACK STUD = BEARING STUD
- K = KING STUD = FULL HEIGHT STUD
- 5. WHERE HEADERS FRAME INTO PERPENDICULAR WALLS PROVIDE (4) STUDS IN ADJACENT WALL. ATTACH HEADER TO STUD PACK WITH SIMPSON HUC210-2 HANGER.

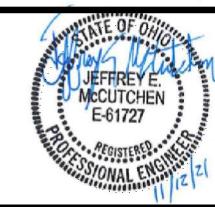


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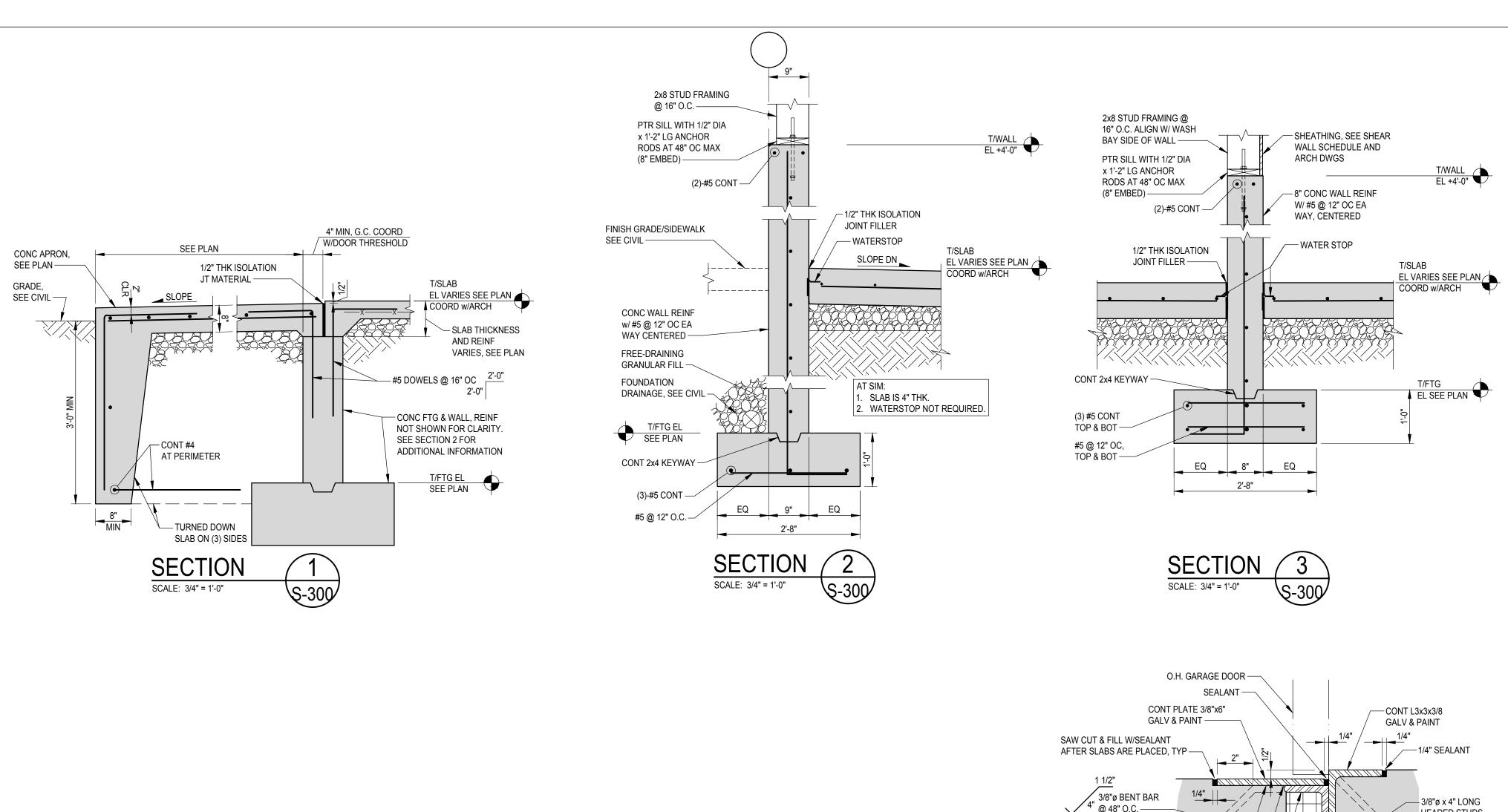
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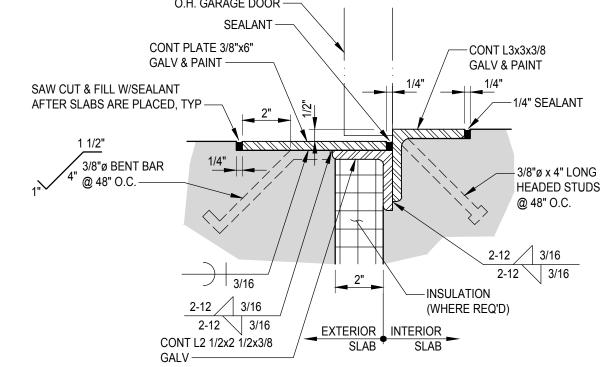
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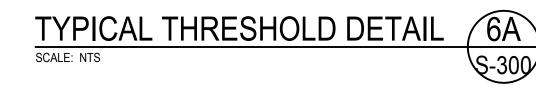
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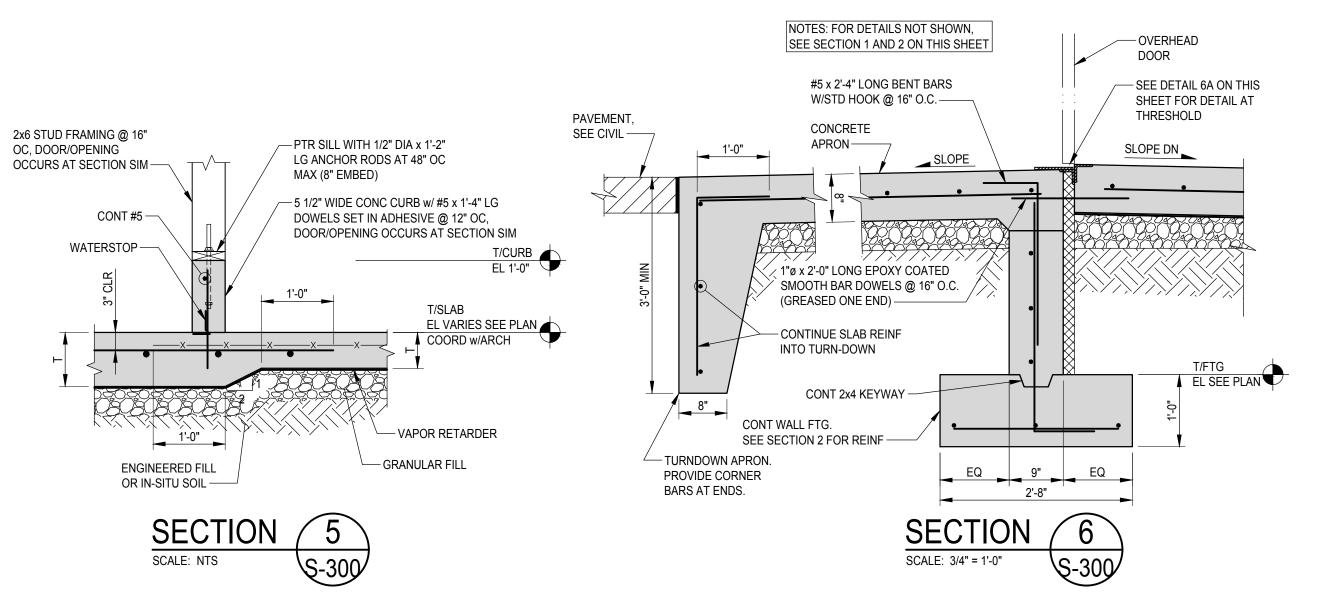
ROOF FRAMING PLAN

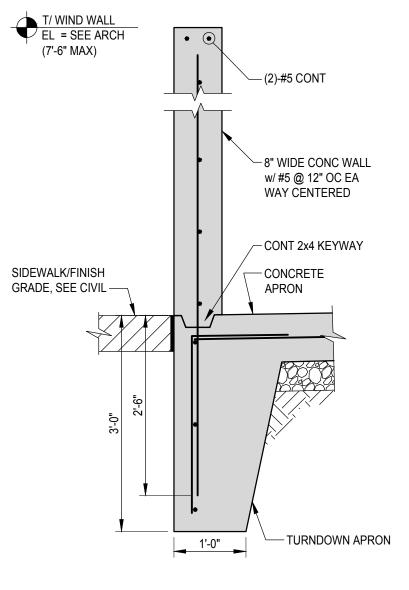




TYPICAL AT ALL EXTERIOR O.H. DOORS







NOTES: FOR DETAILS NOT SHOWN, SEE SECTION 1 AND 2 ON THIS SHEET

SCALE: 3/4" = 1'-0" **\\$-300**



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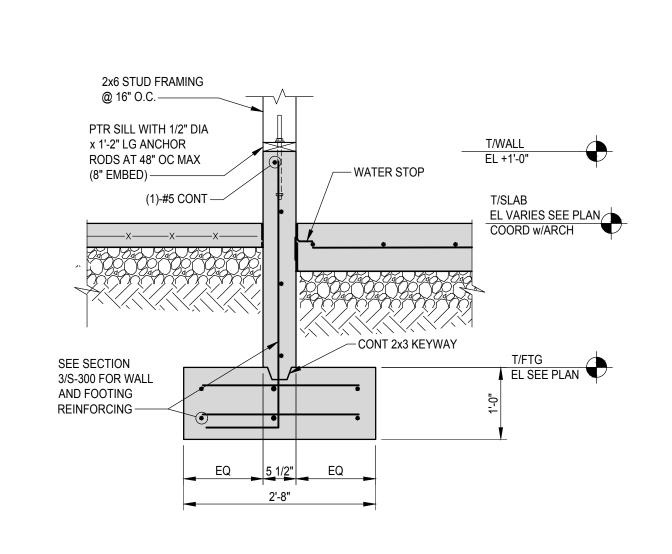
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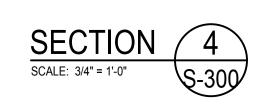
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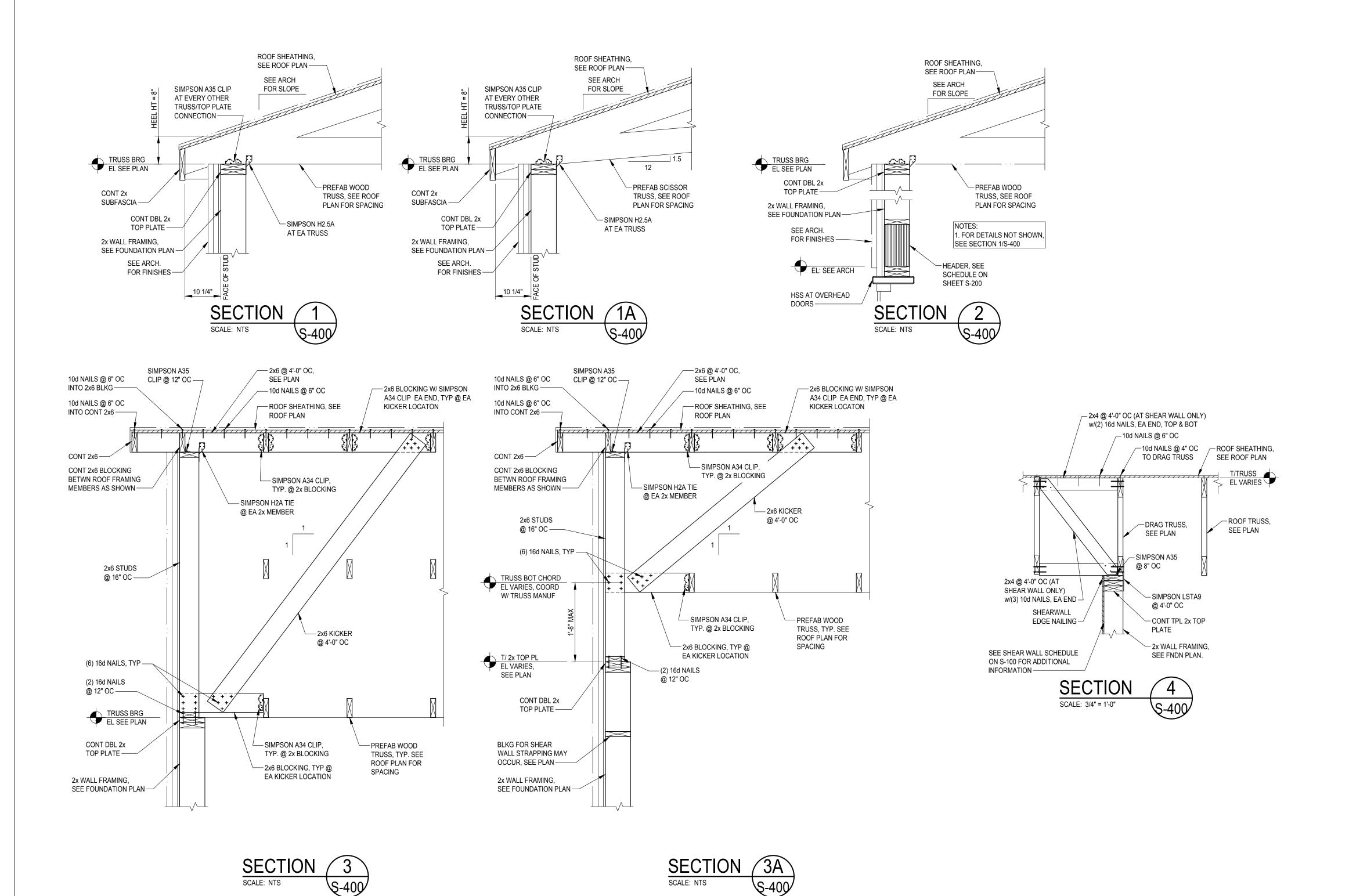
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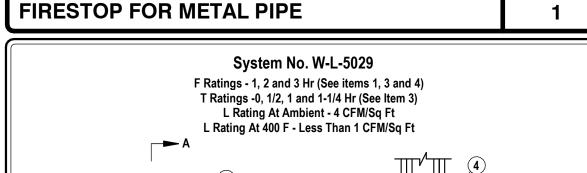
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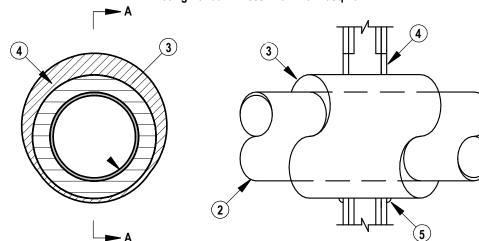
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FRAMING SECTIONS





1. Wall Assembly — The 1, 2 or 3 hr fire-rated gypsum board/stud wall as<u>SECTION A-A</u>se constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH

rating and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm). The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. 2. Through Penetrants — One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe. C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).

D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm). 3. Pipe Covering* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm).

See Pipe and Equipment Covering — Materials (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used. The hourly T, FT, FTH Ratings of the firestop system are 1/2 hr for 1 hr rated walls and 1 hr for 2 hr rated walls. For 3 hr rated walls, the hourly T, FT and FTH Ratings when steel and iron pipes are used are 1 hr. For 3 hr rated walls, the hourly T, FT and FTH Ratings when copper penetrants are used are 1-1/4 hr for 2 in. (51 mm) thick pipe covering and 0 hr for pipe covering thickness less than 2 in. (51 mm).

3A. Pipe Covering* — (Not Shown) — As an alternate to Item 3, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. When the alternate pipe covering is used, the T and FT Rating shall be as specified in item 3 above. See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Fill, Void or Cavity Material* — Sealant — For 1 and 2 hr F and FH Rating, min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. For 3 hr F and FH Rating, min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum board, a min 1/2 in. 13 mm) diam bead of fill material shall be applied at the pipe covering surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX

Sealant * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Hilti Firestop Systems

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NOTE: REFER TO SPECIFICAIONS FOR LIST OF APPROVED MANUFACTURERS

FIRESTOP FOR METAL PIPE OR CONDUIT

System No. C-AJ-1421 F Rating - 2 and 3 Hr (See Item 4B) T Rating = 0 Hr

. Floor or Wall Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers. 2. Metalic Sleeve - (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or

grouted into floor or wall assembly, flush with floor or wall surfaces. . Through-Penetrant - One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop sytem. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 5-3/8in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:

A. Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. B. Iron Pipe - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe. C. Copper Pipe - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

D. Copper Tubing - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing. E. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel conduit. F. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).

I. Firestop System - The firestop system shall consist of the following: A. Packing Material - Min 4 in. (102 mm) thickness of min 4 pcf (64kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickenss of fill material. B. Fill, Void or Cavity Material* - Sealant - Min 1/4in. (6mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in.

(6mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location

on the top surface of floor and on both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE Sealant or CP604 Self-Leveling Firestop Sealant. CP604 shall be used in floor applications only. When CP604 is used, F Rating is 2 Hr.



*Bearing the UL Classification Mark

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NOTE: REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

ABBREVIATIONS

LEAVING WATER TEMPERATURE ABOVE AIR CONDITIONING M/A AREA DRAIN MAX MAXIMUM ADD ADDENDUM MBH ONE THOUSAND BTU PER HOUR ABOVE FINISHED FLOOR MCF ONE THOUSAND CUBIC FEET AFUE ANNUAL FUEL UTILIZATION EFFICIENCY MD MOTORIZED DAMPER AI TERNATE MECH MECHANICAL **ACCESS PANEL** MFR MANUFACTURER ARCH ARCHITECT/ARCHITECTURAL MINIMUM BELOW FINISHED FLOOR MISCELLANEOUS MTR BLW RFI OW MOTOR BRITISH THERMAL UNITS MAKE-UP/AIR BTUH BRITISH THERMAL UNITS PER HOUR NOISE CRITERIA CAP CAPACITY NORMALLY CLOSED СВ CATCH BASIN NOT IN CONTRACT CFM CUBIC FEET PER MINUTE NUMBER CLG CFILING NO NORMALLY OPEN CO CLEAN OUT NTS NOT TO SCALE COLD WATER OXYGEN O/A OUTSIDE AIR DEGREE DRY BULB **OVERFLOW ROOF DRAIN** DIAMETER PRESSURE DROP POST INDICATOR VALVE DN DOWN PIV DW DISTILLED WATER PLBG PLUMBING EACH PRESS PRESSURE ENTERING AIR TEMPERATURE PRESSURE REDUCING VALVE PRV ELEC ELECTRICAL POUNDS PER SQUARE INCH EQUIP EQUIPMENT PSIG POUNDS PER SQUARE INCH GAUGE EWC ELECTRIC WATER COOLER PWR POWER EWT ENTERING WATER TEMPERATURE DUCT RISER E/A EXHAUST AIR RETURN AIR RADIANT CEILING PANEL EXIST EXISTING DEGREES FAHRENHEIT ROOF DRAIN FLOOR CLEAN OUT REC RECESSED FLOOR DRAIN REDUCER FIRE DAMPER RELATIVE HUMIDITY FIRE DEPARTMENT VALVE RELIEF AIR FI OOR ROOM RPM FUEL OIL **REVOLUTIONS PER MINUTE** FUEL OIL VENT RW RAIN WATER

SQUARE FOOT

SQUARE FOOT

STANDPIPE

THERMOSTAT

TRENCH DRAIN

TEMPERATURE

UNDERGROUND

VENTILATION

WALL HYDRANT

STEAM

TYPICAL

VACUUM

VENT

WASTE

WCO WALL CLEAN OUT

SMOKE DAMPER

SURFACE MOUNT

STATIC PRESSURE

TEMPERATURE DROP

VARIABLE AIR VOLUME

VENT THROUGH ROOF

VENT THROUGH WALL

SUPPLY AIR

SANITARY

S/A

SAN

STM

TDR

TEMP

TYP

UG

VAC

VAV

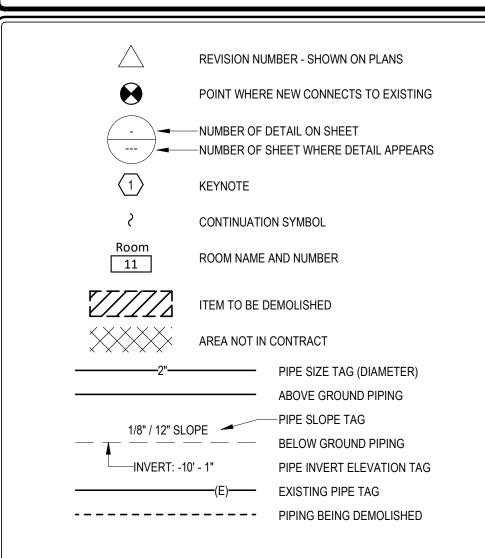
VENT

VTR

VTW

WH

GENERAL MECHANICAL SYMBOLS



EQUIPMENT ABBREVIATIONS

EXPANSION TANK

EQUIFMENT ADDICEVIATIONS								
AC	AIR CONDITIONING UNIT	EWH	ELECTRIC WATER HEATER					
ACC	AIR COOLED CONDENSER	FCU	FAN COIL UNIT					
ACCU	AIR COOLING CONDENSING UNIT	FP	FIRE PUMP					
AHU	AIR HANDLING UNIT	GI	GREASE INTERCEPTOR					
AS	AIR SEPARATOR	GRV	GRAVITY ROOF VENTILATOR					
В	BOILER	HWP	HEATING WATER PUMP					
CH	CHILLER	HX	HEAT EXCHANGER					
CT	COOLING TOWER	HRU	HEAT RECOVERY UNIT					
CUH	CABINET UNIT HEATER	PRV	POWER ROOF VENTILATOR					
CWP	CONDENSER WATER PUMP	RE	RETURN/EXHAUST FAN					
CHWP	CHILLED WATER PUMP	RTU	ROOFTOP UNIT					
DBP	DOMESTIC WATER BOOSTER PUMP	SEP	SEWAGE EJECTOR PUMP					
DC	DUCT MOUNTED COIL	SF	SUPPLY FAN					
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP					
EF	EXHAUST FAN	UH	UNIT HEATER					
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER					

FIRESTOP FOR METAL PIPE

LEAVING AIR TEMPERATURE

LIQUEFIED PETROLEUM GAS

FUEL OIL RETURN

FUEL OIL SUPPLY

FEET PER MINUTE

GENERAL CONTRACTOR

FLOOR SINK

FOOT/FFFT

FTR FIN TUBE RADIATION

GPM GALLONS PER MINUTE

HOSE BIB

HEATER

HYD HYDRANT

HOT WATER

INDIRECT

INCH

INVERT

POUND

LB/HR POUNDS PER HOUR

LOW PRESSURE

GREASE WASTE

HORSE POWER

GALLON

GAL

HTG

HTR

HW

LAT

System No. C-AJ-5091 F Rating - 2 Hr T Rating - 1 Hr L Rating At Ambient - 4 CFM/Sq Ft L Rating a 400 F - Less than 1 CFM/Sq Ft

1. Floor or Wall Assembly - Min 4-1/2 in. (114mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 29 in. (737 mm). See Concrete Blocks (CAZT) category in the Fire Resistance directory for names of manufacturers.

2. Metallic Sleeve - (Optional) - Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel 3. Through Penetrants - One metallic pipe or tubing to be installed either concentically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used: A. Steel Pipe - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. B. Iron Pipe - Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.

C. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. 4. Pipe Covering - Min 1/2 in (13 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied, self-sealing lap tape. Fransverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the edge of the periphery of the opening shall be min 1/2 in. (13 mm) to max 12 in. (305 mm). When thickness of pipe coverings is less than 2 in. (51 mm), the T Rating for the firestope system is 0 hr. See Pipe Equipment Covering - Materials - (BRGU) category in the Building Materials

Directory for names of manufacturers. Any pipe covering material meeting the above specifications and beaing the UL Classification Marking with a Flame Spread Index of 25 of less and a Smoke Developed Index of 50 or less may be used. 4A. Pipe Covering - (Not Shown) - As an alternate to Item 4, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf or 224 kg/m3) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless

to max 12 in. (305 mm). 5. Firestop System - The firestop system shall consist of the following: A. Packing Material - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the

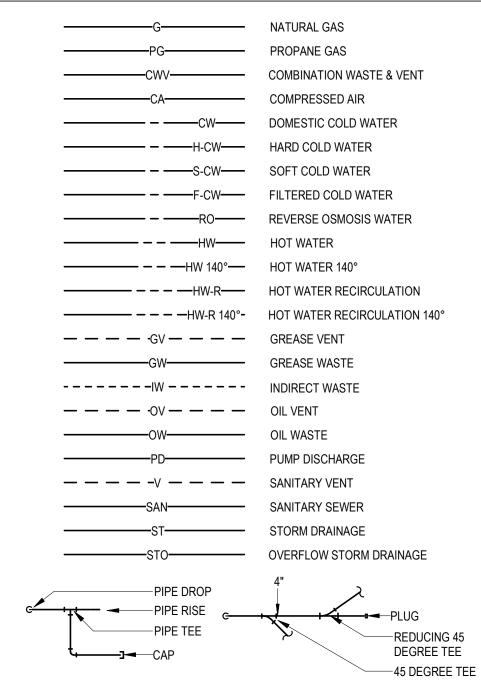
steel wire spaced max 12 in. (305 mm) OC. The annular space shall be min 1/2 in (13 mm)

required thickness of fill material. B. Fill, Void or Cavity Material* - Sealant - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE MAX Intumescent Sealant *Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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C US NOTE: REFER TO SPECIFICAIONS FOR LIST OF APPROVED MANUFACTURERS **PLUMBING AND PIPING SYMBOLS**



PIPE ACCESSORY TAGS

STRAINER WITH VALVED BLOWDOWN

SHUTOFF / ISOLATION VALVE ——

→ BALL VALVE BUTTERFLY VALVE GATE VALVE

CHECK VALVE PRESSURE REDUCING VALVE MANUAL BALANCING VALVE

COMBINATION BALANCE / SHUTOFF VALVE THERMOSTATIC MIXING VALVE SOLENOID VALVE

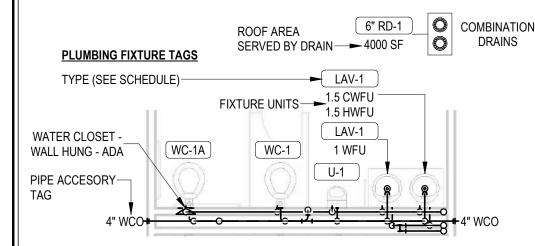
FLEXIBLE CONNECTOR ———— UNION

CONCENTRIC PIPE REDUCER ECCENTRIC PIPE REDUCER

PIPE GUIDE

PITCH DOWN DIRECTION OF FLOW

DRAIN TAGS -DRAIN SIZE-FLOOR DRAIN → FD-1 → TYPE (SEE SCHEDULE) → (4" AD-6) → AREA DRAIN FLOOR DRAIN 4" FD-3P - "P" - INDICATES 4" RD-29 → ● DECK DRAIN PRIMER CONNECTION 4" RD-12 FLOW CONTROL FLOOR SINK 4" FS-4 HUB DRAIN • 4" FD-13 (4" RD-15) ► ROOF DRAIN 8 WFU → FIXTURE UNITS **ROOF AREA PLUMBING FIXTURE TAGS** TYPE (SEE SCHEDULE)-



PLUMBING GENERAL NOTES

THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE PLUMBING CONTRACTOR SHALL VERIFY QUANTITIES, SIZES, AND LOCATIONS OF ALL FIXTURES, VENTS, STACKS, WATERLINES, ETC. PRIOR TO ANY CONSTRUCTION. ERRORS AND OMISSIONS SHALL BE CALLED TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/CONSTRUCTION MANAGER.

THE PLUMBING CONTRACTOR, BY VIRTUE OF COMPLETING THE WORK SHALL BE RESPONSIBLE FOR GUARANTEES THAT ALL INSTALLED SYSTEMS WILL FUNCTION PROPERLY AS DESIGNATED BY THE CONTRACT DRAWINGS. IN THE CASE THAT THERE IS DISCREPANCY BETWEEN SPECIFICATIONS AND CONTRACT DRAWINGS. THE MOST STRINGENT SHALL PREVAIL

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH STATE & LOCAL PLUMBING CODES, LOCAL HEALTH DEPT. REGULATIONS, AND EPA REQUIREMENTS. OBTAIN AND PAY FOR ALL PERMITS, CAPACITY CHARGES, FRONTAGE FEES, TAP/METER FEES AND

INSPECTION DEPOSITS PIPING & EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATIONS OF PIPING & EQUIPMENT TO BE COORDINATED WITH BUILDING STRUCTURE AND WORK OF OTHER CONTRACTORS.

ALL PIPING SHALL BE CONCEALED IN AREAS OF FINISHED CONSTRUCTION. FINISHED AREAS WITH EXPOSED STRUCTURE (I.E. GYMNASIUMS) SHALL HAVE ALL PIPING RUN ABOVE THE BOTTOM CHORD OF TRUSSES UNLESS NOTED OTHERWISE.

COORDINATE EXACT LOCATION OF GAS AND COLD WATER OUTLETS IN MECH. EQUIP. & BOILER ROOMS WITH HVAC CONTRACTOR. RUN ALL WATER AND GAS LINES LEVEL.

PROVIDE STOP VALVES AT FIXTURES.

SHUT-OFF VALVES SHOWN ARE TO BE INSTALLED IN ADDITION TO STOP VALVES AND AT ALL

REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF HANDICAPPED FIXTURES. FIELD VERIFY INVERTS, LOCATION, AND FLOW DIRECTION OF EXISTING SANITARY & STORM SEWER

PIPING PRIOR TO PERFORMING ANY PLUMBING WORK. INVERT ELEVATIONS GIVEN OF SANITARY, STORM, AND CONDENSATE DRAINAGE PIPING ARE APPROXIMATE AND BASED ON FINISHED FLOOR ELEVATION SHOWN. FINAL DETERMINATION OF INVERTS SHALL BE MADE IN FIELD AND SHALL BE COORDINATED WITH HVAC CONTRACTOR. COORDINATE CLOSELY WITH OTHER CONTRACTORS WHEN ROUGHING IN FOR & MAKING FINAL CONNECTIONS TO FIXTURES & EQUIPMENT.

COORDINATE ALL EQUIPMENT DELIVERY, RIGGING, STORAGE, AND INSTALLATION WITH GENERAL CONTRACTOR & BUILDING CONSTRUCTION CONDITIONS.

KITCHEN FIXTURES & EQUIPMENT TO BE PROVIDED & INSTALLED BY KITCHEN CONTRACTOR UNLESS OTHERWISE SPECIFIED. PLUMBING CONTRACTOR SHALL ROUGH-IN FOR & MAKE FINAL CONNECTIONS, KC TO FURNISH ALL HARDWARE TO INCLUDE TRAPS, SUPPLIES, HOSES, FAUCETS,

ALL VALVES CAPABLE OF INTERRUPTING FIRE PROTECTION SERVICE TO LIMITED AREA SPRINKLER SYSTEM SHALL BE PROVIDED WITH PADLOCK & CHAIN AND LOCKED OPEN.

ANCHORS, ALIGNMENT GUIDES, EXPANSION LOOPS, EXPANSION JOINS, ETC. SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE. CONTRACTOR SHALL EVALUATE FINAL PIPING LAYOUTS AND EXPANSION REQUIREMENTS AND PROVIDE ALL NECESSARY ITEMS TO ACCOMMODATE PIPE EXPANSION IN THE SYSTEMS. ALL ASSOCIATED COSTS ARE TO BE INCLUDED IN THE CONTRACTOR'S BID. REFER TO SPECIFICATION 22 05 16 - EXPANSION FITTINGS AND LOOPS

FOR PLUMBING PIPING FOR ADDITIONAL REQUIREMENTS. ITEMS INDICATED ON PLANS AS EXISTING ARE APPROXIMATE LOCATIONS. SITE VISITS DURING BIDDING PROCESS MAY BE NECESSARY IN ORDER TO DETERMINE ACTUAL SIZES AND LOCATIONS OF PIPING, EQUIPMENT, BEST TIE-IN LOCATIONS, AND EXISTING CONSTRUCTION CONDITIONS. ACTUAL LOCATIONS OF PIPING & EQUIPMENT SHALL BE MADE IN FIELD PRIOR TO PERFORMING

PLUMBING WORK. ROOM #'S SHOWN ON DRAWINGS ARE FOR SCHEMATIC REFERENCE ONLY AND DO NOT

NECESSARILY REFLECT ACTUAL ROOM #'S. PLUMBING CONTRACTOR SHALL TAKE PRECAUTIONS AS TO NOT DAMAGE ANY EXISTING, REMAINING PLUMBING FIXTURES AND/OR EQUIPMENT DURING CONSTRUCTION. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY XISTING FIXTURES AND/OR EQUIPMENT DAMAGED DURING CONSTRUCTION.

PROVIDE ALL CUTTING, PATCHING, AND TOUCH-UP PAINTING REQUIRED FOR NEW WORK. PRIOR TO FABRICATION OR INSTALLATION OF PIPING. THE PLUMBING CONT'R. SHALL COORDINATE LOCATIONS & ELEVATIONS OF OTHER EQUIPMENT, INCLUDING, BUT NOT LIMITED TO LIGHT FIXTURES, DIFFUSERS, DUCTWORK, CONDUITS, PIPING, & CEILING GRID. OBTAIN SIGNATURES OF OTHER TRADES ON THE COORDINATION DRAWING.

HOT WATER SHALL BE PIPED TO LEFT SIDE OF ALL FAUCETS. UNLESS SPECIFICALLY NOTED OTHERWISE.W.- P.C TO REFER TO ENLARGED ARCHITECTURAL PLANS & ELEVATIONS FOR FIXTURE

& FOUIPMENT REQUIREMENTS. WHERE FLOOR DRAIN TRAP SEAL IS SUBJECT TO LOSS BY EVAPORATION. P.C. SHALL PROVIDE A

TRAP PRIMER OR BARRIER TRAP SEAL. P.C. TO PROVIDE WATER HAMMER ARRESTER ON PIPING SUPPLYING ALL FLUSH VALVES & OTHER QUICK CLOSING VALVES. WATER HAMMER ARRESTER TO BE SIZED PER PDI RECOMENDATIONS. ALL VALVES INDICATED ON PLANS AS BEING NORMALLY CLOSED BY-PASS VALVES SHALL BE

LABELED AS SUCH IN THE FIFLD AA. P.C TO REFER TO ENLARGED ARCHITECTURAL PLANS & ELEVATIONS FOR FIXTURE & EQUIPMENT

REQUIREMENTS. BB. ALL ABOVE CEILING SANITARY DRAIN LINES SHALL HAVE CLEAN-OUTS @ END OF HORIZONTAL RUN. CC. CONTRACTOR IS RESPONSIBLE FOR SEALING AND PATCHING ALL OPENINGS IN WALLS, FIRESTOP ANY OPENINGS IN RATED ASSEMBLIES. REFER TO SPECIFICATIONS. PROPERLY SUPPORT ALL PENETRATING ITEMS. WALL OPENINGS ARE NOT TO BE USED FOR SUPPORT. COORDINATE ALL OPENINGS IN BOTH NEW AND EXISTING ASSEMBLIES WITH ALL TRADES.

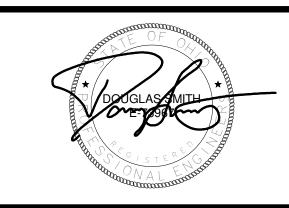
PLUMBING SHEET INDEX

P000 PLUMBING LEGENDS PSU PLUMBING SITE UTILITY PLAN P001 PLUMBING UNDERSLAB PLAN P101 FIRST FLOOR PLUMBING PLAN P401 ENLARGED PLUMBING PLANS P601 PLUMBING SCHEDULES & DETAILS P901 PLUMBING STACKS

Jerome M. Scott **Architects** 1020 Goodale Blvd Columbus, Ohio 43212



A VEREGY COMPANY 855 Grandview Avenue, 3rd Floor Columbus, OH 43215 Phone: (614) 443-1178 Fax: (614) 443-1594 Email: dynamix@dynamix-ltd.com DEL #21-179



DOT-200023 ODOT **EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

12/17/21 Revision 1 Permit/Bid Set 12/10/21 | Bid Set 11/12/21 | Permit Set

DESCRIPTION MARK DATE PROJECT NO: DOT-200023 DATE: 12/17/2021

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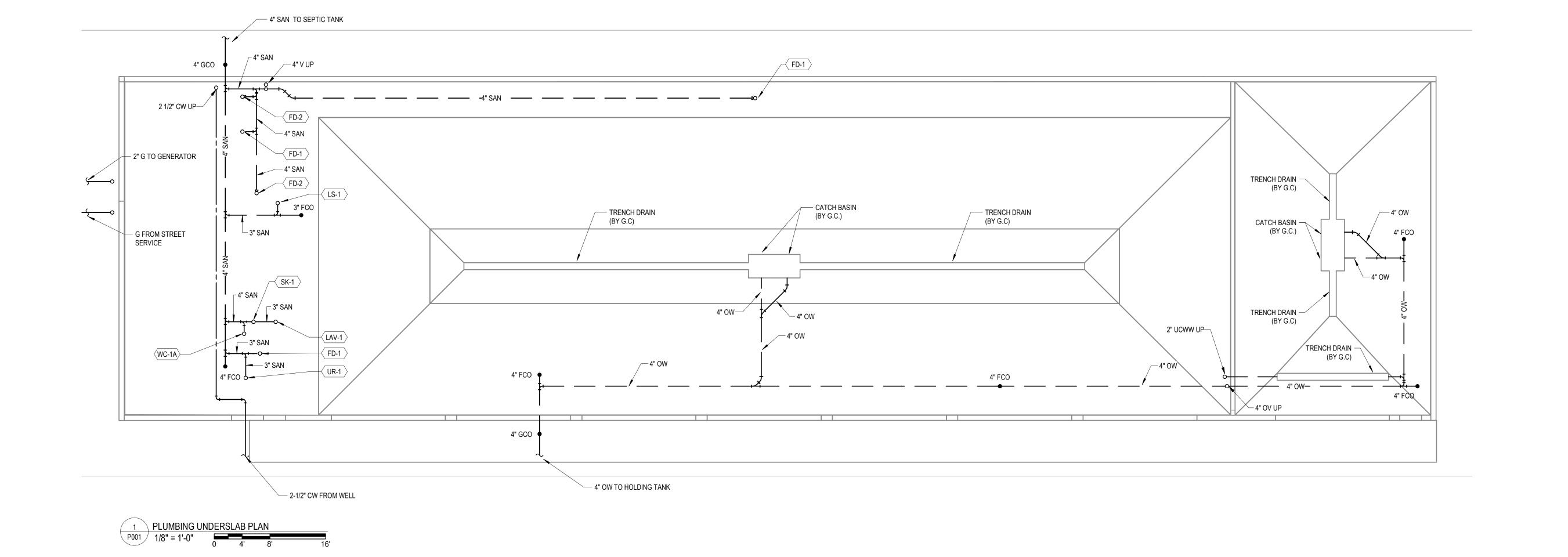
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SHEET TITLE

DRAWN BY:

PLUMBING LEGENDS

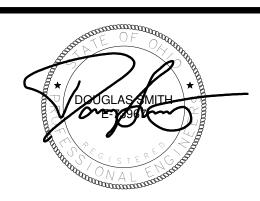
PLAN NOTES





Jerome M. Scott
Architects
1020 Goodale Blvd
Columbus, Ohio
43212





DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

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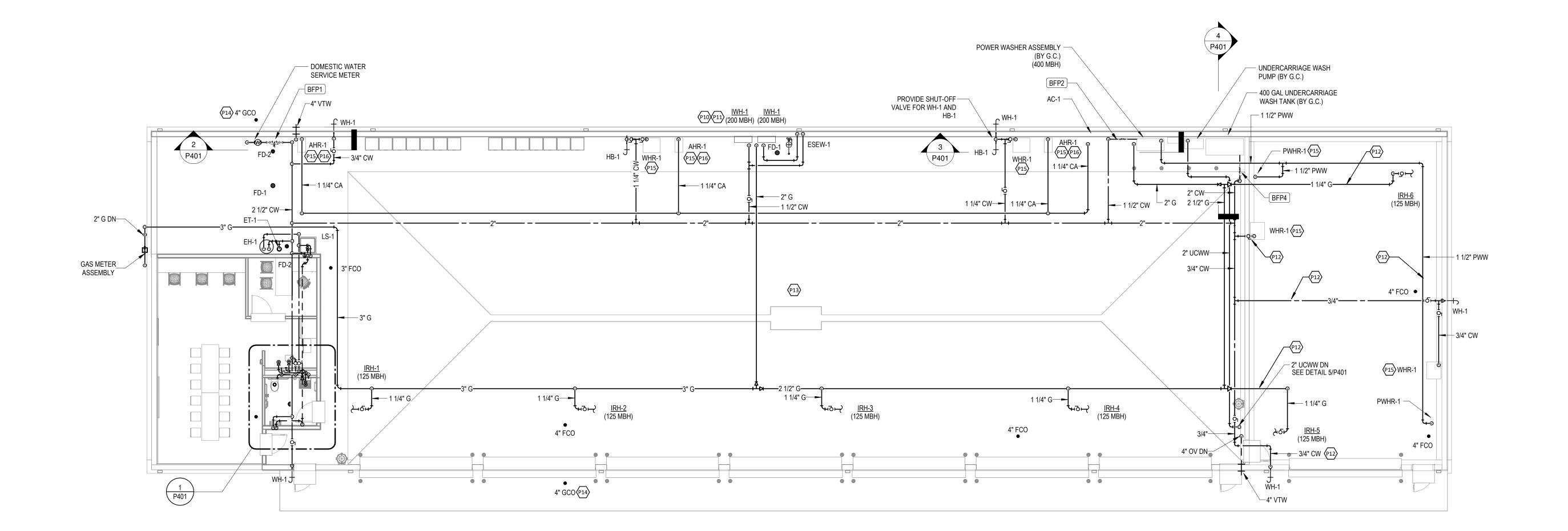
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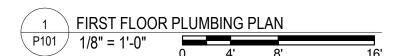
SHEET TITLE

PLUMBING UNDERSLAB PLAN

P001

PLAN NOTES PROVIDE PVC OUTSIDE AIR INTAKE AND FLUE PIPING FOR INSTANTANEOUS WATER HEATER. EXTEND PIPING TO EXTERIOR OF BUILDING AND TERMINATE PER IFGC, OBC, AND MFR'S RECOMMENDATIONS. PIPE INSTANTANEOUS HEATERS IN PARALLEL ARRANGEMENT. PIPE UNITS PER MFR'S RECOMMENDATIONS. UNITS SHALL HAVE CONTROLS PROVIDED BY MANUFACTURER. CONTROLS SHALL INCLUDE ALL EQUIPMENT AS NECESSARY TO ENABLE STAGING OF MULTIPLE UNITS BASED ON WATER FLOWS. PROVIDE STAINLESS STEEL PIPES WITHIN WASH MAINTAIN MINIMUM 16'-0" CLEARANCE BELOW ALL PIPING AND EQUIPMENT IN TRUCK STORAGE AREA AND WASHBAY. PROVIDE EXTERIOR CLEANOUT IN 18"x18"x6" CONCRETE PAD. MOUNT REEL AT 5'-0" AFF. COORDINATE EXACT LOCATION WITH OWNERS REQUIREMENTS. PROVIDE SHUT-OFF VALVE IN VERTICAL DROP. PROVIDE SHUT-OFF VALVE, TEE, AND DIRT LEG UPSTREAM OF HOSE REEL.

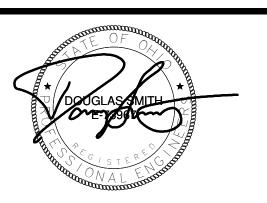






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DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1	12/17/21	Revision 1 Permit/Bid Set
	12/10/21	Bid Set
	11/12/21	Permit Set

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 DOT-200023

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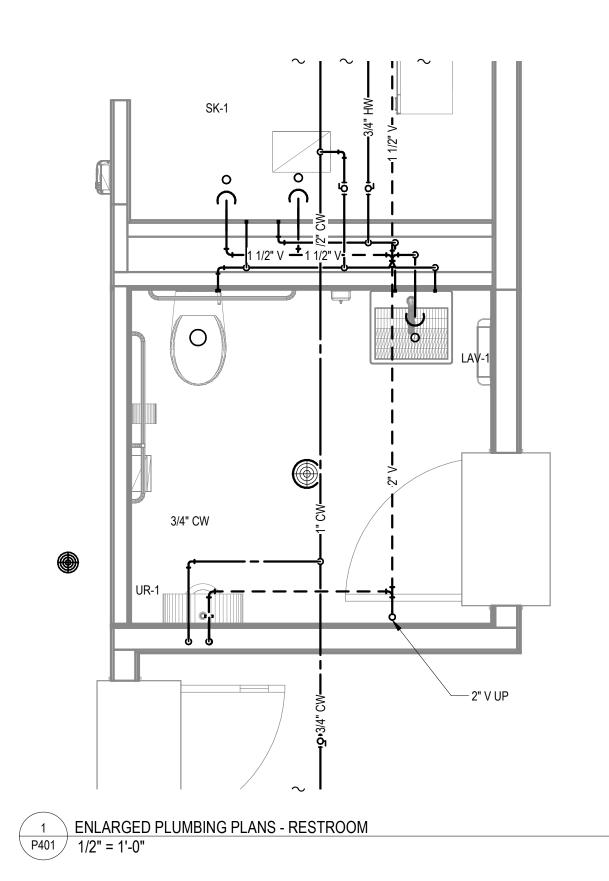
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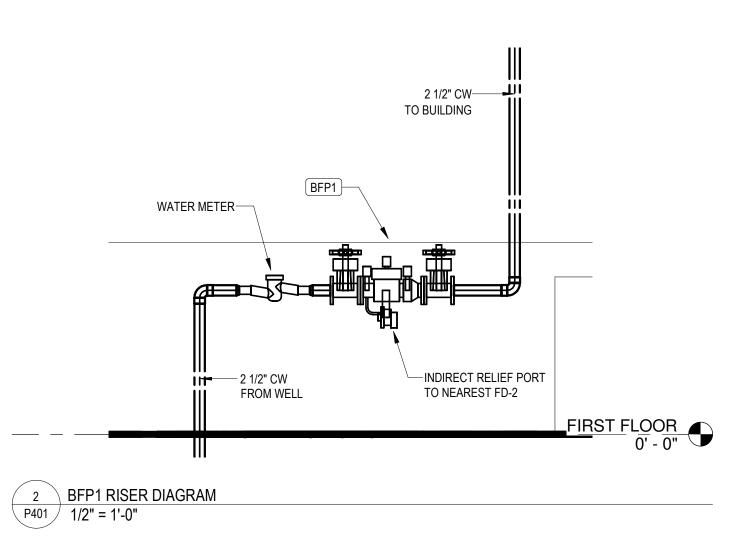
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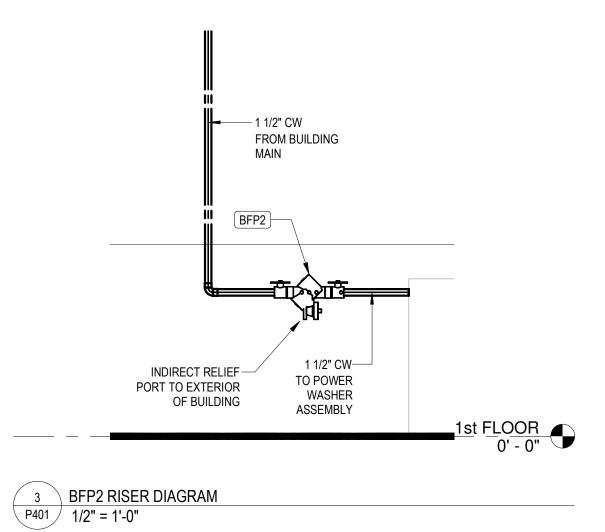
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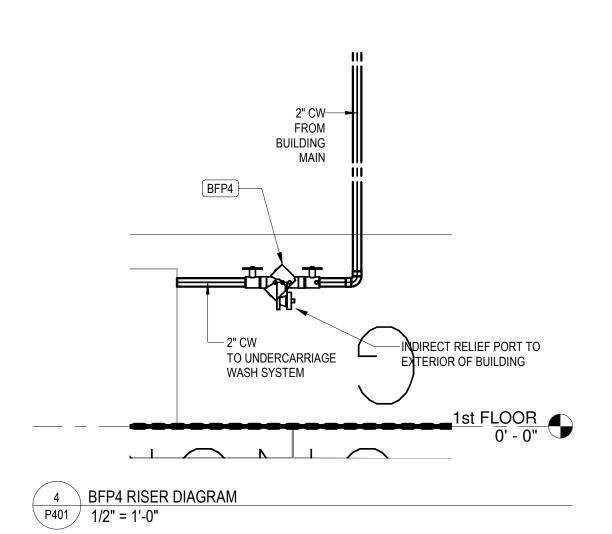
FIRST FLOOR
PLUMBING PLAN

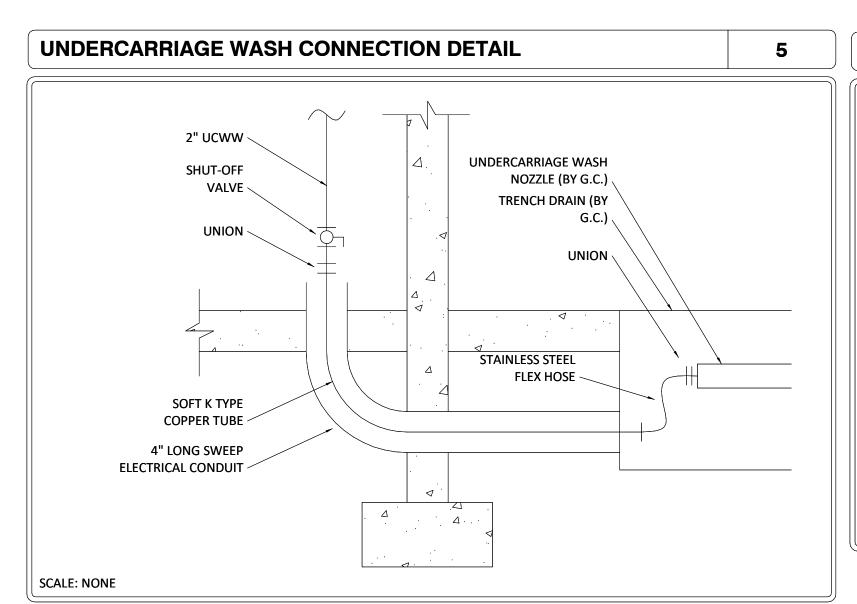
P101

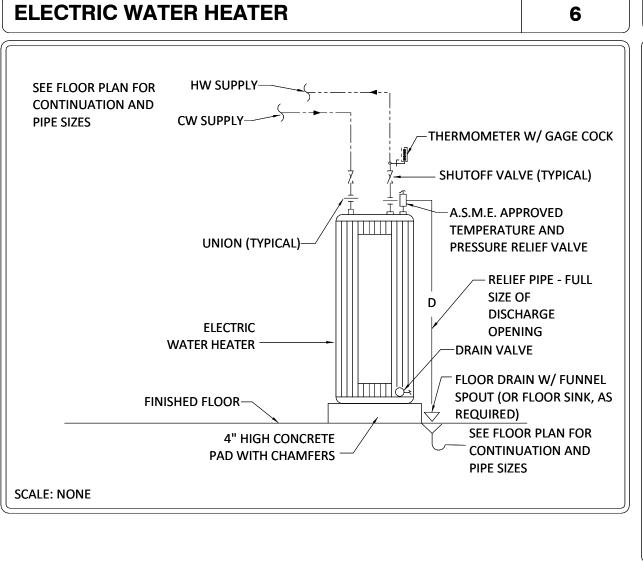


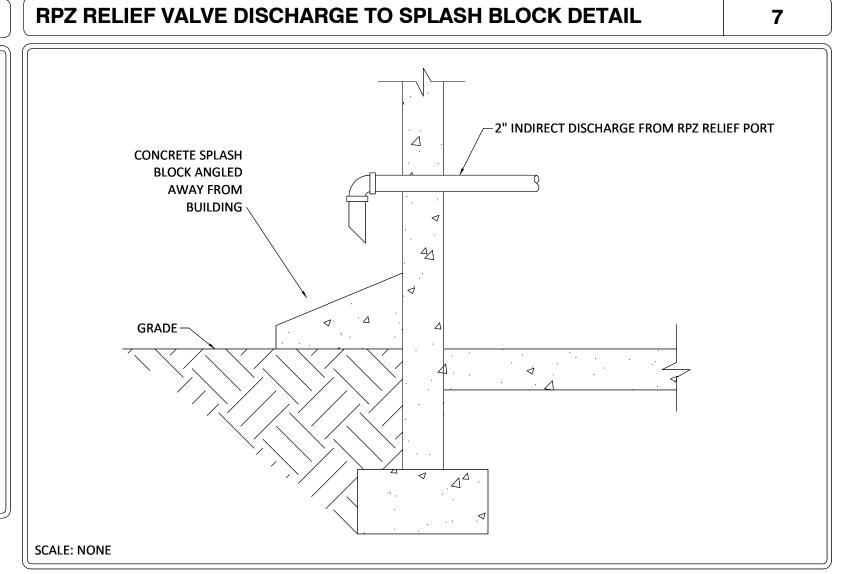








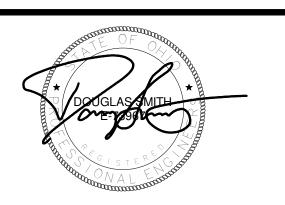




JIMS ARCHITECTURE

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DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

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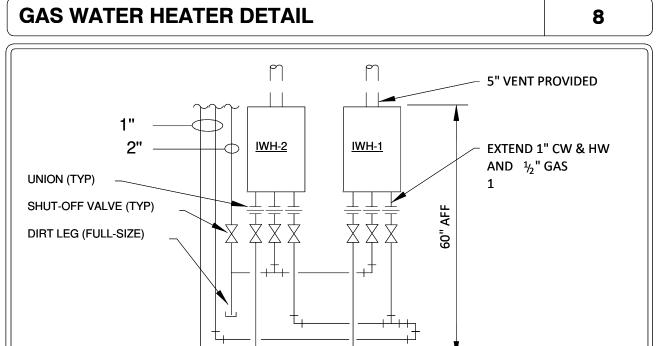
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ENLARGED PLUMBING PLANS



				1
TAG NO.	GAS SUPPLY FINAL CONN.*	ITEM	INPUT CAPACITY (MBH)	REMARKS
G-1	1"	BACK-UP GENERATOR	583	PROVIDE SHUT-OFF VALVE, DIRT LEG, STRAINER, REGULATOR, AND UNION.
IRH-1 TO IRH-6	1/2"	INFRARED HEATER	125	PROVIDE SHUT-OFF VALVE, DIRT LEG, STRAINER, AND UNION.
PW-1	1-1/2"	POWER WASHER	400	PROVIDE SHUT-OFF VALVE, DIRT LEG, STRAINER, AND UNION.
IWH-1 TO IWH-2		INSTANTANEOUS HEATER	200	PROVIDE SHUT-OFF VALVE, DIRT LEG, STRAINER, AND UNION.
		OM TOTAL CONNECTED INPUT CAPACITY (MBH)	2133	

* VERIFY FINAL CONNECTION SIZE WITH MANUFACTURER

SCALE: NONE

AIR COMPRESSOR, AC-1	. 1, "
ASME RELIEF VALVE PRESSURE GAUGE 0-160 PSI 120 GAL. RECEIVER CENTRIFUGAL SEPARATOR WITH CONDENSATE DRAIN AND GLASS FIBER FILTER PR PR 11/4 FLEXIBLE CONN. 11/4 120 GAL. RECEIVER	EESSURE GAUGE 0-160 PSIG NC NC NC NC NC NC NC NC NC N
MEZZ. FLOOR 4" CONC. HOUSEKEEPING PAD PROVIDE ISOLATION PER MFR'S RECOMMENDATIONS	UNION (TYP.) W/ BLOWDOWN (TYP.) FD-2 (WITH FUNNEL); PROVIDE APPROVED AIR GAP FOR ALL INDIRECT DRAINS
SCALE: NONE	GENERAL NOTES: A. MAINTAIN 36" CLEARANCE IN FRONT AND ON BOTH SIDES OF AIR COMPRESSOR. B. PROVIDE DRIPS AT ALL LOW POINTS.

15 H.P. TWIN CYLINDER AIR COMPRESSOR AC-1 PIPING

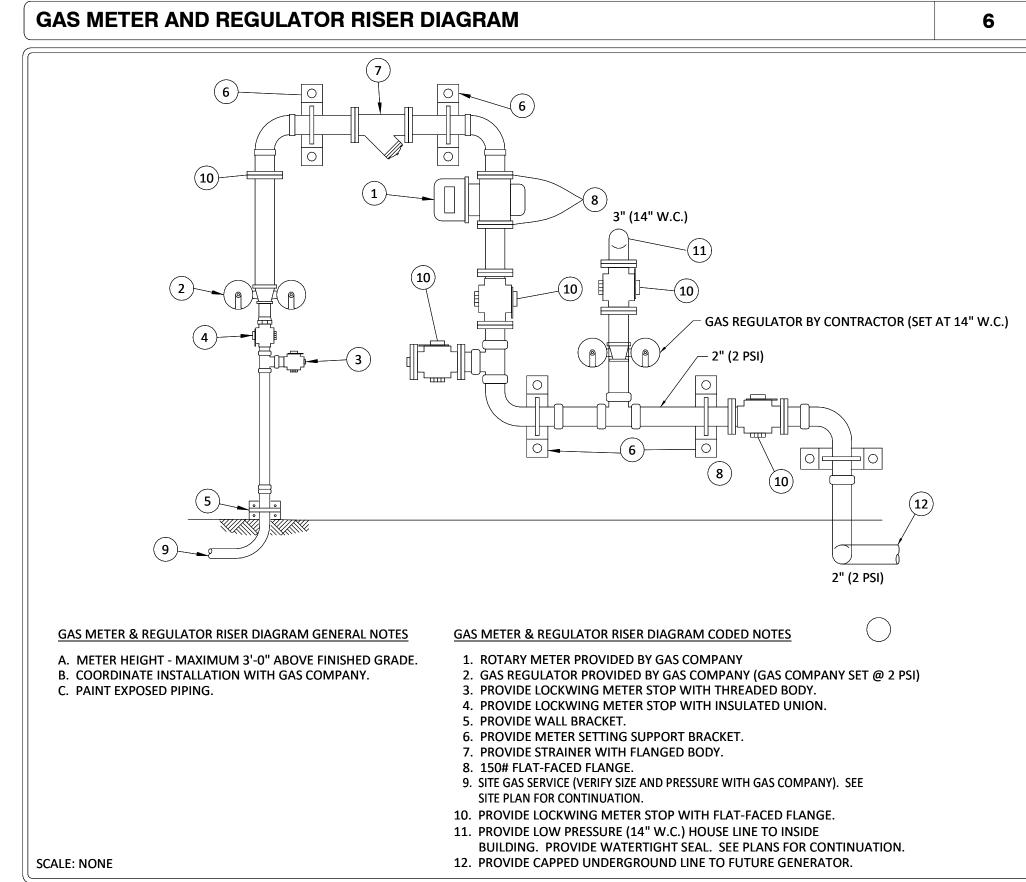
		FIX	TURE & EQUIPMEN	IT BRANCH SIZE	SCHEDULE
FIXTURE	DOMESTIC CW	DOMESTIC HW	OUTLET	VENT	REMARKS
AC-1			1-1/4"		AIR COMPRESSOR.
BFP-1	2-1/2"				DOMESTIC WATER BACKFLOW PREVENTER
BFP-2	1-1/2"				POWER WASHER BACKFLOW PREVENTER
BFP-3	2"				BRINE SYSTEM BACKFLOW PREVENTER
BFP-4	2"		-		CHASSIS WASH BACKFLOW PREVENTER
ESEW-1	1-1/4"	1-1/4"	1-1/2"		EMERGENCY SHOWER/EYE WASH
BF-1	1/2"		1-1/2"	1-1/2"	ADA-COMPLIANT, SINGLE LEVEL, BOTTLE FILLER.
FD-1			3"	1-1/2"	5" DIA. STRAINER, 3/4" TRAP PRIMER CONNECTION
FD-2			3"	1-1/2"	5" DIA. STRAINER, 3/4" TRAP PRIMER CONNECTION, WITH FUNNEL.
HB-1	3/4"				HOSE BIBB, INSTALL @ 24" A.F.F. PROVIDE VACUUM BREAKER.
LAV-1	1/2"	1/2"	1-1/2"	1-1/2"	ADA-COMPLIANT, COUNTERTOP.
LS-1	3/4"	3/4"	3"	1-1/2"	LAUNDRY SINK.
SK-1	1/2"	1/2"	1-1/2"	1-1/2"	S.S., DOUBLE BOWL, COUNTERTOP W/ FOOD WASTE GRINDER.
TP-1	1/2"				PROVIDE 3/4" LINE TO EACH FLOOR DRAIN.
UR-1	3/4"		2"	1-1/2"	WALL-MTD. FLUSH VALVE
WC-1	1"		4"	2"	FLOOR-MTD. REAR OUTLET, FLUSH VALVE, ELONGATED BOWL, OPEN FRONT SEAT
WH-1	3/4"		-		FREEZE-RESISTANT, WALL HYDRANT, MOUNT @ 24" A.F.G. INTEGRAL VACUUM BREAKER.
ET-1	3/4"				POTABLE WATER EXPANSION TANK, 2 GALLON
EH-1	3/4"	3/4"			15 GALLON ELECTRIC WATER HEATER, AO SMITH MODEL DEL-15, ONE 2.5 KW ELEMENT, 10 GPH RECOVERY CAPACITY, 240/1/60 POWER.
IWH-1	1-1/4"	1-1/4"			ULTRA-LOW NOX CONDENSING GAS FIRED INTANTANEOUS WATER HEATER. AO SMITH MODEL ATI-540H, 199 MBH, 6 GPM AT 60 DEG. RISE., MULTI-LINK CONTROLS.
IWH-2	1-1/4"	1-1/4"			ULTRA-LOW NOX CONDENSING GAS FIRED INTANTANEOUS WATER HEATER. AO SMITH MODEL ATI-540H, 199 MBH,6 GPM AT 60 DEG. RISE., MULTI-LINK CONTROLS.

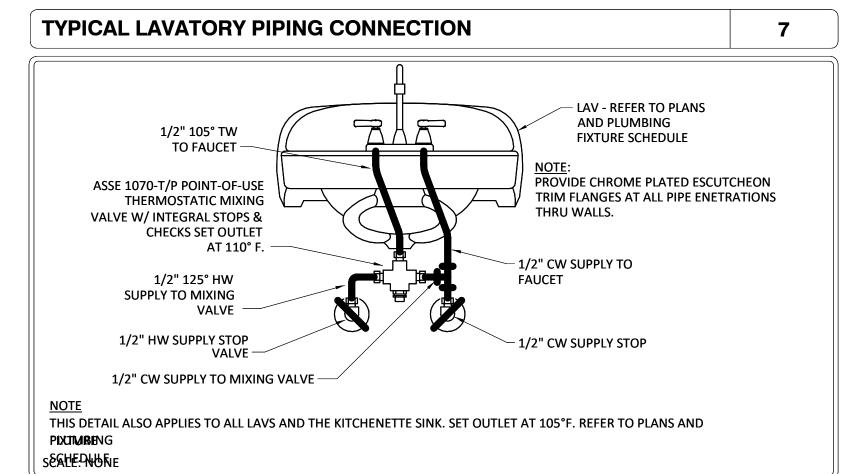
GENERAL NOTE: REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS.

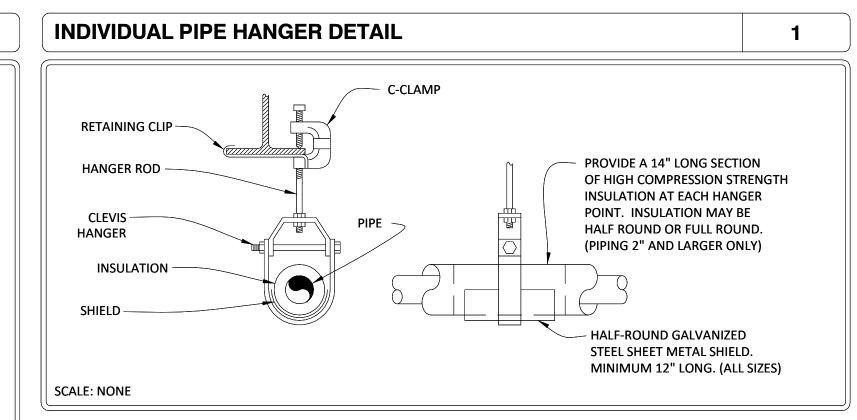
HOSE REEL EQUIPMENT REFER TO SECTION 11 11 00 FOR HOSE REEL SPECIFICATION. AHR-1 : AIR HOSE REELS: REFER TO SECTION 11 11 00 FOR HOSE REEL

SPECIFICATION.
PWHR-1: PRESSURE WASHER HOSE:
REFER TO SECTION 11 11 10 FOR PRESSURE WASHER HOSE SPECIFICATION.

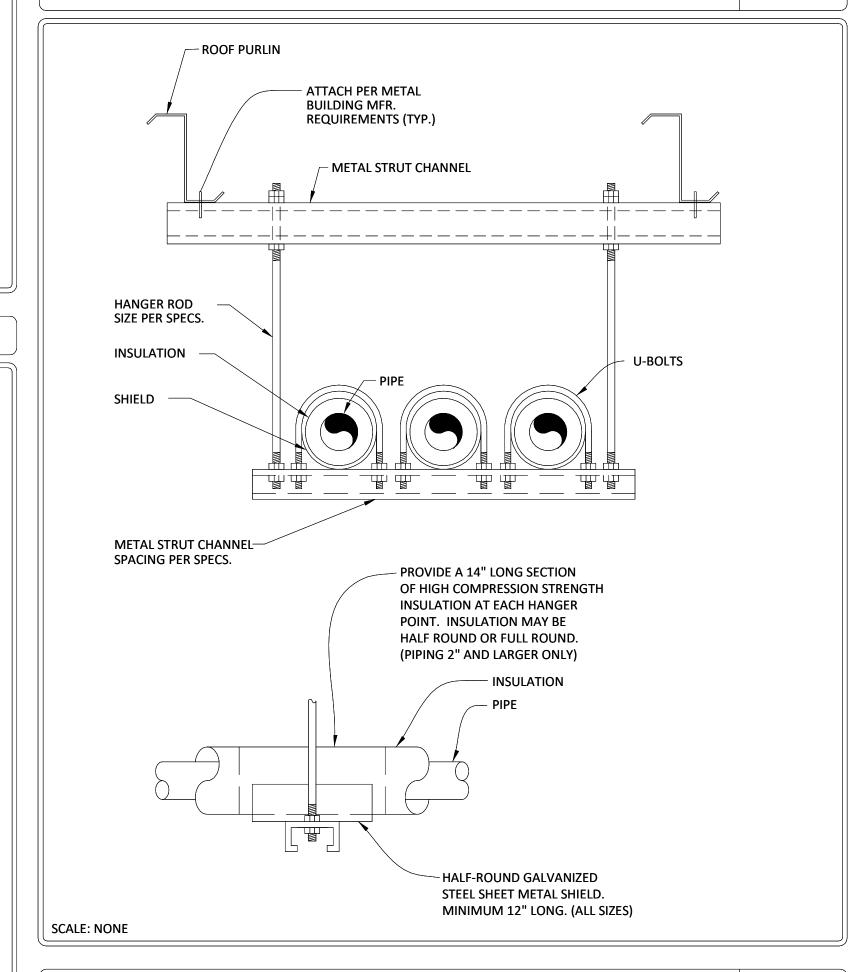
- PROVIDE SHUT OFF VALVE ON THE VERTICAL PIPE DROP BEFORE THE HOSE REELS AND PRESSURE WASHER HOSE POINT OF CONNECTIONS. - PROVIDE VACUUM BREAKER FOR HOSE REELS AND PRESSURE WASHER HOSE PER MANUFACTURER INSTALLATION REQUIREMENTS.

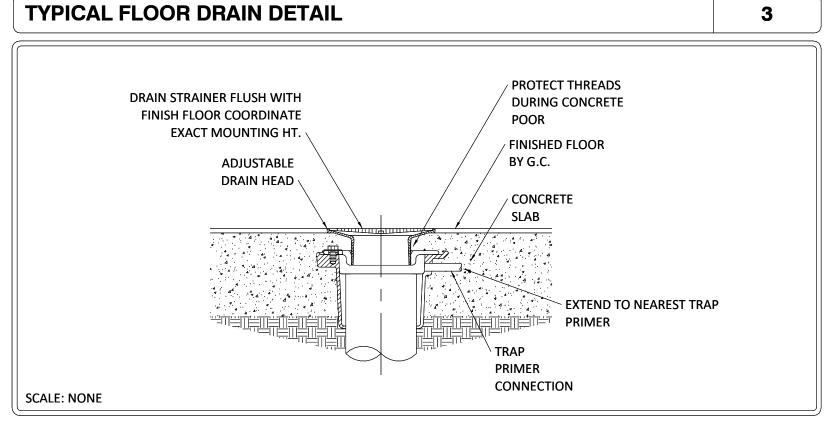


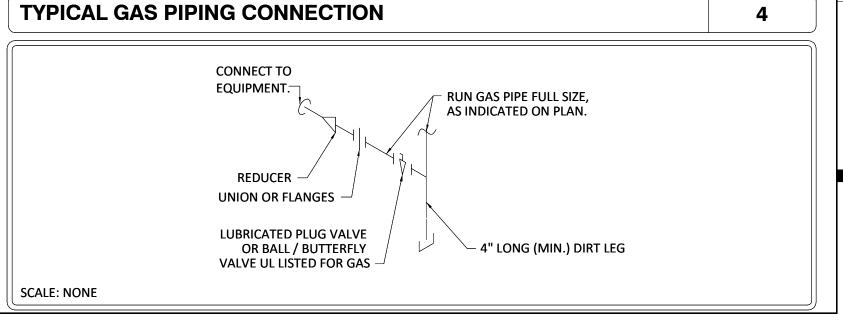




TRAPEZE PIPE HANGER DETAIL





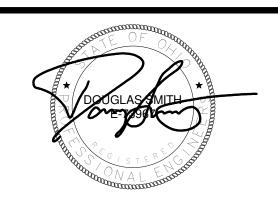




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DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

12/17/21 Revision 1 Permit/Bid Set 12/10/21 | Bid Set 11/12/21 | Permit Set

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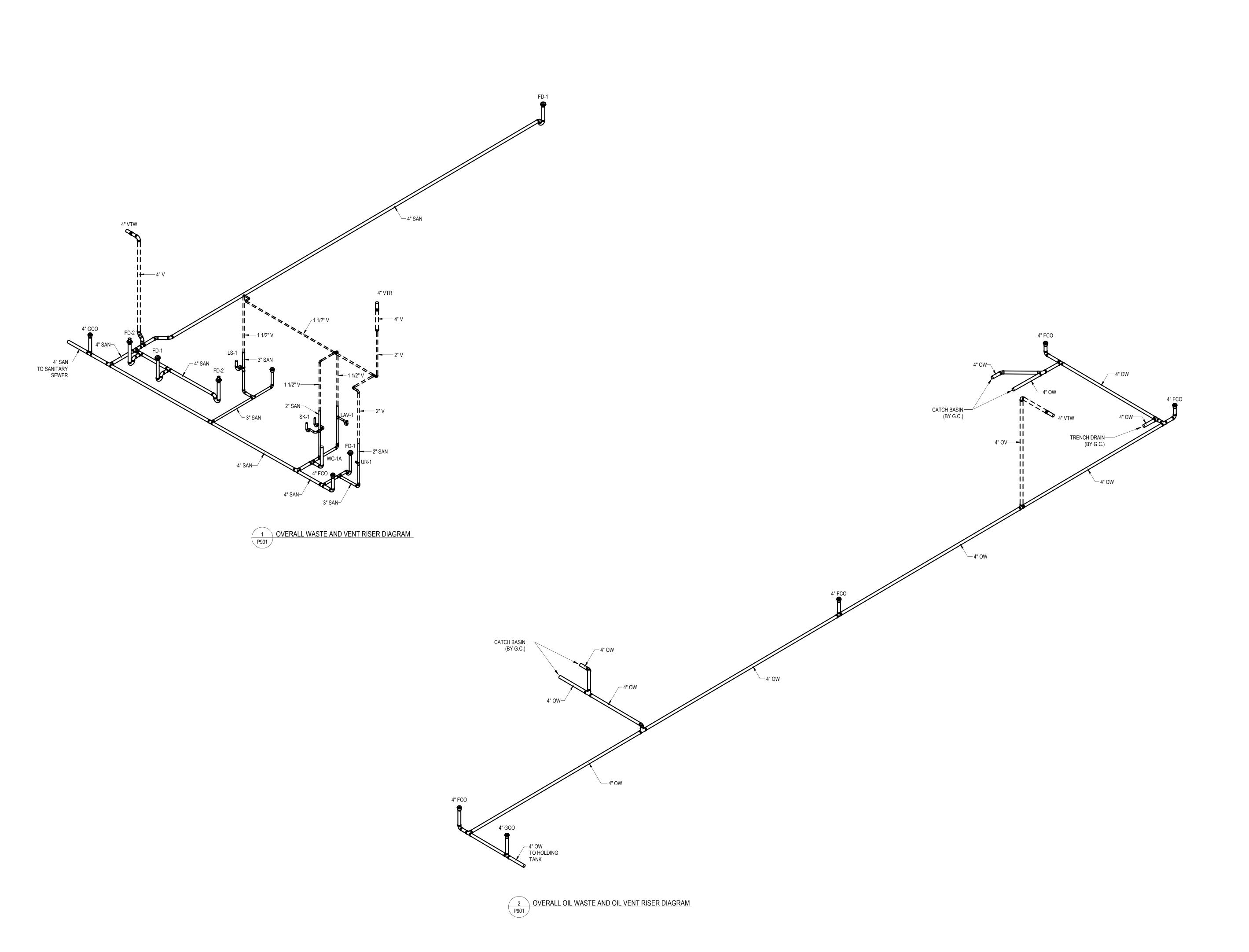
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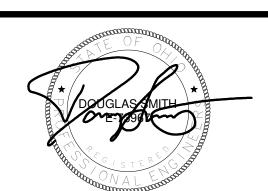
PLUMBING SCHEDULES & DETAILS





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DOT-200023 ODOT -EATON OUTPOST

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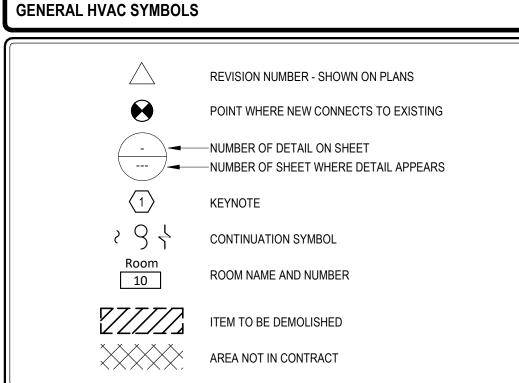
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PLUMBING STACKS



-				
1	FOLUE	MENT ADDDEVIATIONS		
	EQUIP	MENT ABBREVIATIONS		
	AC ACCU AHU AS B CH CT CUH CWP CHWP DBP DC DCP EF EDC ET	AIR CONDITIONING UNIT AIR COOLED CONDENSER AIR COOLING CONDENSING UNIT AIR HANDLING UNIT AIR SEPARATOR BOILER CHILLER COOLING TOWER CABINET UNIT HEATER CONDENSER WATER PUMP CHILLED WATER PUMP DOMESTIC WATER BOOSTER PUMP DUCT MOUNTED COIL DOMESTIC WATER CIRCULATING PUMP EXHAUST FAN ELECTRIC DUCT COIL EXPANSION TANK	EWH FCU FP GI GRV HWP HX HRU PRV RE RTU SEP SF SP UH WH	ELECTRIC WALL HEATER FAN COIL UNIT FIRE PUMP GREASE INTERCEPTOR GRAVITY ROOF VENTILATOR HEATING WATER PUMP HEAT EXCHANGER HEAT RECOVERY UNIT POWER ROOF VENTILATOR RETURN/EXHAUST FAN ROOFTOP UNIT SEWAGE EJECTOR PUMP SUPPLY FAN SUMP PUMP UNIT HEATER WATER HEATER

ABE	BREVIATIONS		
Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD ADD	AREA DRAIN ADDENDUM	MAX MBH	MAXIMUM ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE		MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU BTUH	BRITISH THERMAL UNITS I BRITISH THERMAL UNITS PER HOUR	MU/A NC	MAKE-UP/AIR NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	0	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD PD	OVERFLOW ROOF DRAIN
DIA DN	DIAMETER DOWN	PIV	PRESSURE DROP POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC		PSI	POUNDS PER SQUARE INCH
EQUI		PSIG	POUNDS PER SQUARE INCH GAUGE
EWC		PWR	POWER
E/A	ENTERING WATER TEMPERATURE EXHAUST AIR	R R/A	DUCT RISER RETURN AIR
EXIST		RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV FL	FIRE DEPARTMENT VALVE FLOOR	RL/A RM	RELIEF AIR ROOM
FO	FUEL OIL	RP	RADIANT PIPE
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RTP	RADIANT TAIL PIPE
FOS	FUEL OIL SUPPLY	RW	RAIN WATER
FPM	FEET PER MINUTE	SF	SQUARE FOOT
FS	FLOOR SINK	S/A	SUPPLY AIR
FT FTR	FOOT/FEET FIN TUBE RADIATION	SAN SF	SANITARY SQUARE FOOT
GAL	GALLON	SD SD	SMOKE DAMPER
GC	GENERAL CONTRACTOR	SM	SURFACE MOUNT
GPM		SP	STANDPIPE
GW	GREASE WASTE	SP	STATIC PRESSURE
HB	HOSE BIB	STM	STEAM
HP	HORSE POWER	T	THERMOSTAT
HTG	HEATING	TD	TEMPERATURE DROP
HTR HW	HEATER HOT WATER	TDR TEMP	TRENCH DRAIN TEMPERATURE
HYD	HYDRANT	TYP	
ID	INDIRECT	UG	UNDERGROUND
IN	INCH	VAC	VACUUM
INV	INVERT	V	VENT
LB	POUND	VAV	VARIABLE AIR VOLUME
LB/HF		VENT	VENTILATION
LAT	LEAVING AIR TEMPERATURE	VTR W	VENT THROUGH ROOF WASTE
LP LPG	LOW PRESSURE LIQUEFIED PETROLEUM GAS	W WB	WASTE WET BULB
	ENGOLITED I ETHOLLOW ONO	WCO	WALL CLEAN OUT
		WH	WALL HYDRANT

* NOTE * ALL OF THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC DUCT TYPES AND SYMBOLS RECTANGULAR DUCT SIZE TAG (WIDTH x HEIGHT) 16"/8" OVAL DUCT SIZE TAG (WIDTH / HEIGHT) 16"Ø ROUND DUCT SIZE TAG (DIAMETER) EXISTING DUCT TAG UITILITY DUCT BEING DEMOLISHED S/A SUPPLY AIR S-O/A CONDITIONED OUTSIDE AIR OUTSIDE AIR O/A R/A RETURN AIR TRANSFER AIR T/A E/A EXHAUST AIR L/A RELIEF AIR GE/A GREASE EXHAUST AIR SE/A SMOKE EXHAUST AIR EXHAUST GAS FLUE FLUE COMBUSTION AIR C/A DROP CONTROL RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE DROP 🔯 📗 🔯 ROUND SUPPLY/OUTSIDE AIR DUCT RISE DROP 1 RECTANGULAR RETURN/TRANSFER AIR DUCT RISE DROP O ROUND RETURN/TRANSFER AIR DUCT RISE DROP RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE DROP O ROUND EXHAUST/RELIEF AIR DUCT RISE **GRILLES, REGISTERS & DIFFUSERS TAG** RETURN / EXHAUST GRILLE **MECHANICAL EQUIPMENT TAGS** RTU-XX VAV-XX Htg: 3.7 GPM ← HEATING COIL OPERATING WEIGHT **√**505 lb NOT INCLUDING CURB-FLOW VAV BOX RTU-XX VAV-XX 3.0 ton 10' - 0" ── BOTTOM OF EQUIPMENT **ELEVATION** NOMINAL COOLING ROOFTOP UNIT ——[□] -----EXISTING EQUIPMENT CAPACITY TO REMAIN (E)VAV-XX RTU-XX **FUEL INPUT** 115000 Btu/h GAS PIPE FLOW 115 CFH EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINE VAV-XX FOR ADDITIONAL INFORMATION) DATA DEVICE TAGS CONTROL SENSORS AND MONITORS: -EQUIPMENT ID CARBON DIOXIDE SENSOR CO2 TS RTU-XX TEMPERATURE SENSOR CARBON MONOXIDE SENSOR | CO | H | VAV-XX HUMIDITY SENSOR NITROGEN DIOXIDE SENSOR NO2 TH TEMPERATURE & HUMIDITY SENSOR ROOM PRESSURE MONITOR RPM P PRESSURE SENSOR MANUAL STATS AND INDICATORS (NO BAS INTEGRATION):

HUMIDISTAT

MANUAL SWITCH

SMOKE DAMPER

THERMOSTAT

SEE SCHEDULES)

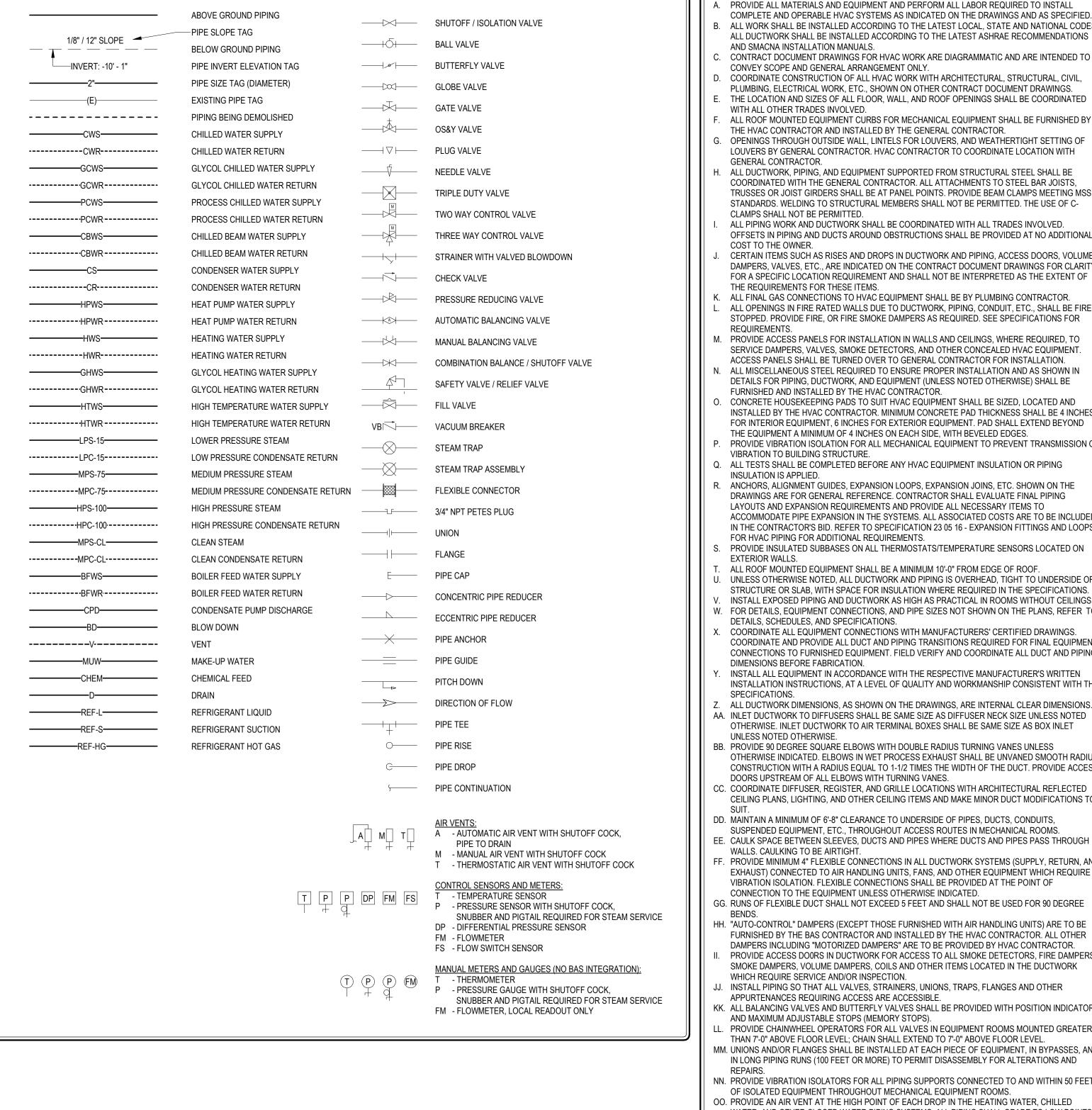
(LINE OR LOW VOLTAGE -

PRESSURE INDICATOR

MANUAL BALANCING DAMPER

COMBINATION FIRE/SMOKE

HVAC PIPE TYPES AND SYMBOLS



HVAC GENERAL NOTES

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED. B. ALL WORK SHALL BE INSTALLED ACCORDING TO THE LATEST LOCAL, STATE AND NATIONAL CODES. ALL DUCTWORK SHALL BE INSTALLED ACCORDING TO THE LATEST ASHRAE RECOMMENDATIONS AND SMACNA INSTALLATION MANUALS.
- CONTRACT DOCUMENT DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- COORDINATE CONSTRUCTION OF ALL HVAC WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, PLUMBING, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- THE LOCATION AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR. OPENINGS THROUGH OUTSIDE WALL, LINTELS FOR LOUVERS, AND WEATHERTIGHT SETTING OF LOUVERS BY GENERAL CONTRACTOR. HVAC CONTRACTOR TO COORDINATE LOCATION WITH
- ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES OR JOIST GIRDERS SHALL BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED. THE USE OF C-CLAMPS SHALL NOT BE PERMITTED.
- ALL PIPING WORK AND DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL
- COST TO THE OWNER. CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK AND PIPING, ACCESS DOORS, VOLUME DAMPERS, VALVES, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF
- . ALL FINAL GAS CONNECTIONS TO HVAC EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR. ALL OPENINGS IN FIRE RATED WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED. PROVIDE FIRE, OR FIRE SMOKE DAMPERS AS REQUIRED. SEE SPECIFICATIONS FOR
- PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED HVAC EQUIPMENT.
- ACCESS PANELS SHALL BE TURNED OVER TO GENERAL CONTRACTOR FOR INSTALLATION. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS NOTED OTHERWISE) SHALL BE
- FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR. CONCRETE HOUSEKEEPING PADS TO SUIT HVAC EQUIPMENT SHALL BE SIZED, LOCATED AND INSTALLED BY THE HVAC CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES FOR INTERIOR EQUIPMENT, 6 INCHES FOR EXTERIOR EQUIPMENT. PAD SHALL EXTEND BEYOND
- THE EQUIPMENT A MINIMUM OF 4 INCHES ON EACH SIDE, WITH BEVELED EDGES. PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
- Q. ALL TESTS SHALL BE COMPLETED BEFORE ANY HVAC EQUIPMENT INSULATION OR PIPING
- ANCHORS, ALIGNMENT GUIDES, EXPANSION LOOPS, EXPANSION JOINS, ETC. SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE. CONTRACTOR SHALL EVALUATE FINAL PIPING LAYOUTS AND EXPANSION REQUIREMENTS AND PROVIDE ALL NECESSARY ITEMS TO ACCOMMODATE PIPE EXPANSION IN THE SYSTEMS. ALL ASSOCIATED COSTS ARE TO BE INCLUDED IN THE CONTRACTOR'S BID. REFER TO SPECIFICATION 23 05 16 - EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING FOR ADDITIONAL REQUIREMENTS.
- PROVIDE INSULATED SUBBASES ON ALL THERMOSTATS/TEMPERATURE SENSORS LOCATED ON
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- UNLESS OTHERWISE NOTED, ALL DUCTWORK AND PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB, WITH SPACE FOR INSULATION WHERE REQUIRED IN THE SPECIFICATIONS. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. W. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE PLANS, REFER TO
- DETAILS, SCHEDULES, AND SPECIFICATIONS. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE
- ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS. AA. INLET DUCTWORK TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE. INLET DUCTWORK TO AIR TERMINAL BOXES SHALL BE SAME SIZE AS BOX INLET
- **UNLESS NOTED OTHERWISE** BB. PROVIDE 90 DEGREE SQUARE ELBOWS WITH DOUBLE RADIUS TURNING VANES UNLESS OTHERWISE INDICATED. ELBOWS IN WET PROCESS EXHAUST SHALL BE UNVANED SMOOTH RADIUS CONSTRUCTION WITH A RADIUS EQUAL TO 1-1/2 TIMES THE WIDTH OF THE DUCT. PROVIDE ACCESS
- CC. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING ITEMS AND MAKE MINOR DUCT MODIFICATIONS TO
- DD. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS,
- SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS. EE. CAULK SPACE BETWEEN SLEEVES, DUCTS AND PIPES WHERE DUCTS AND PIPES PASS THROUGH
- WALLS, CAULKING TO BE AIRTIGHT.
- FF. PROVIDE MINIMUM 4" FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT WHICH REQUIRE
- VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE INDICATED. GG. RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 5 FEET AND SHALL NOT BE USED FOR 90 DEGREE
- HH. "AUTO-CONTROL" DAMPERS (EXCEPT THOSE FURNISHED WITH AIR HANDLING UNITS) ARE TO BE FURNISHED BY THE BAS CONTRACTOR AND INSTALLED BY THE HVAC CONTRACTOR. ALL OTHER DAMPERS INCLUDING "MOTORIZED DAMPERS" ARE TO BE PROVIDED BY HVAC CONTRACTOR. PROVIDE ACCESS DOORS IN DUCTWORK FOR ACCESS TO ALL SMOKE DETECTORS, FIRE DAMPERS, SMOKE DAMPERS, VOLUME DAMPERS, COILS AND OTHER ITEMS LOCATED IN THE DUCTWORK WHICH REQUIRE SERVICE AND/OR INSPECTION.
- JJ. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- KK. ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS
- AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS). LL. PROVIDE CHAINWHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS MOUNTED GREATER
- THAN 7'-0" ABOVE FLOOR LEVEL; CHAIN SHALL EXTEND TO 7'-0" ABOVE FLOOR LEVEL. MM. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATIONS AND
- NN. PROVIDE VIBRATION ISOLATORS FOR ALL PIPING SUPPORTS CONNECTED TO AND WITHIN 50 FEET
- OF ISOLATED EQUIPMENT THROUGHOUT MECHANICAL EQUIPMENT ROOMS. OO. PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING WATER, CHILLED WATER, AND OTHER CLOSED WATER PIPING SYSTEMS. ALL PIPING SHALL GRADE TO LOW POINTS.
- PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS. PP. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FROM EACH AIR HANDLING UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET, WITH P-TRAP, AND PIPED TO NEAREST DRAIN. SEE
- DETAILS SHOWN ON THE DRAWINGS FOR DEPTH OF CONDENSATE TRAP. QQ. MAINTAIN A MINIMUM OF 3'-0" OF GROUND COVER OVER ALL UNDERGROUND HVAC PIPING.

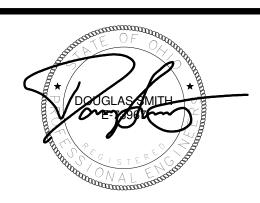
HVAC SHEET INDEX									
H000	HVAC LEGENDS								
H101	FIRST FLOOR HVAC PLAN								
H500	HVAC DETAILS								
H600	HVAC SCHEDULES								



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DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

12/17/21 | Revision 1 Permit/Bid Set 12/10/21 | Bid Set

11/12/21 | Permit Set

DESCRIPTION MARK DATE PROJECT NO: DOT-200023

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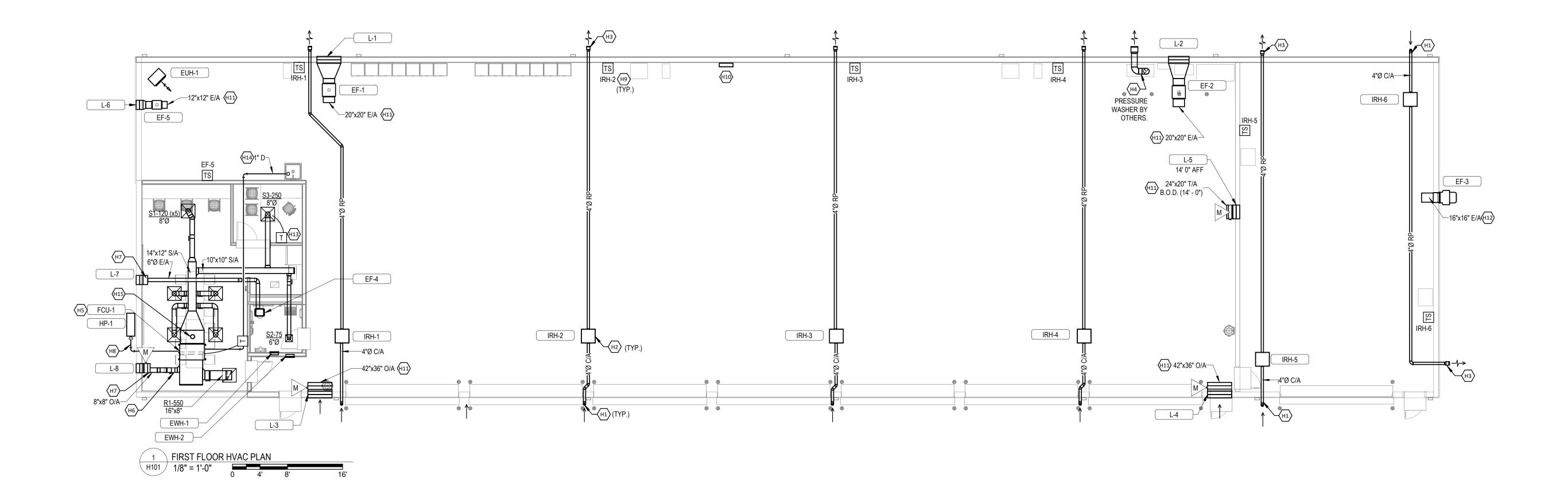
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SHEET TITLE

DATE:

HVAC LEGENDS

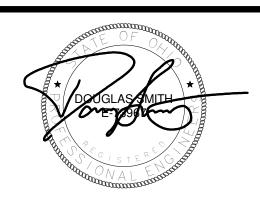
#	NOTE										
H1	PROVIDE COMBUSTION AIR INTAKE PER MANUFACTURER'S RECOMMENDATION. TERMINATE AT EXTERIOR OF BUILDING WITH 90 DEGREE ELBOW DN. PROVIDE BIRD SCREEN OVER OPENING.										
H2	INFRARED HEATER TYPICAL SERVING VEHICLE STORAGE AREA. PROVIDE FLUE PIPING AND WALL VENT CAP ON OPPOSITE EXTERIOR WALL. COORDINATE LOCATION OF HEATERS AND EQUIPMENT WITH BUILDING STRUCTURE.										
H3	WALL EXHAUST VENT CAP WITH BIRD SCREEN TO BE PROVIDED BY RADIANT HEATER MANUFACTURER.										
H4	10" TYPE B FLUE VENT FROM POWER WASHER VENTED DRAFT DIVERTER HOOD. CONTRACTOR TO PROVIDE MOTORIZED DRAFT INDUCER, TJERNLUND MODEL HS4, 115V /60HZ/ 1/3HP, COMPLETE WITH TJERNLUND FAN PROVING SWITCH PS1505 AND UNIVERSAL INTERLOCK CONTROL UC-1 OR ENGINEERED APPROVED EQUAL BY FANTECH OR DAYTON. SECURE FLUE PIPE TO WALL AND STRUCTURE. TERMINATE THRU SIDEWALL VENT OUTLET VH1-10 OR SIMILAR PER SPECIFICATIONS. CONTRACTOR TO VERIFY SIZE AND BURNER INTERLOCKS WITH POWER WASHER REQUIREMENTS PRIOR TO FABRICATION AND INSTALLATION. IGNITION SOURCE MUST BE ELEVATED AT LEAST 18" ABOVE GARAGE FLOOR. PROVIDE 24VAC WIRING FROM POWER WASHER BURNER CONTACTS TO POWERED FLUE DAMPER.										
H5	CONFIGURE FILTER BOX ON FAN COIL TO HAVE REAR INLET AND CONNECT FULL SIZE R/A DUCTWORK TO INLET.										
H6	BALANCE FCU-1 OUTSIDE AIR CONNECTION TO 200 CFM.										
H7	CONNECT DUCTWORK BRANCH TO FULL SIZE PLENUM EXTENDING FROM LOUVER AS SHOWN.										
H8	EXTEND REFRIGERANT PIPING BACK TO HP-1. REFRIGERANT PIPING SHOWN AS SINGLE LINE FOR CLARITY AND SCHEMATIC PURPOSES. REFER TO SCHEDULES AND MANUFACTURER FOR EXACT QUANTITY, SIZE, AND ROUTING OF REFRIGERANT PIPING.										
H9	PROVIDE NEMA4 THERMOSTATS FOR RADIANT GAS HEATER SYSTEM.										
H10	GAS RADIANT SYSTEM CONTROLLER. BASIS OF DESIGN TO BE CORAYVAC.										
H11	PROVIDE WIRE MESH COVER AT OPENING.										
H12	PROVIDE ALUMINUM DUCTWORK FOR EXHAUST DUCT SERVING WASHBAY.										
H13	PROVIDE VAV DIFFUSER WALL MOUNTED THERMOSTAT. MOUNT AT SAME HEIGHT AS WALL LIGHT SWITCH.										
H14	EXTEND 1" CONDENSATE DRAIN LINE FROM FCU-1 AND INDIRECT TO MOP BASIN.										
H15	PROVIDE RGF HALO-LED IN-DUCT AIR PURIFIER IN SUPPLY MAIN OF FCU-1. INSTALL PER MANUFACTURER'S RECOMMENDATION. CONNECT TO 24V POWER CONNECTION, SEPERATE FROM FCU-1. PROVIDE AIRFLOW SWITCH AND INTERLOCK TO LED UV-C LIGHT CONTROL.										





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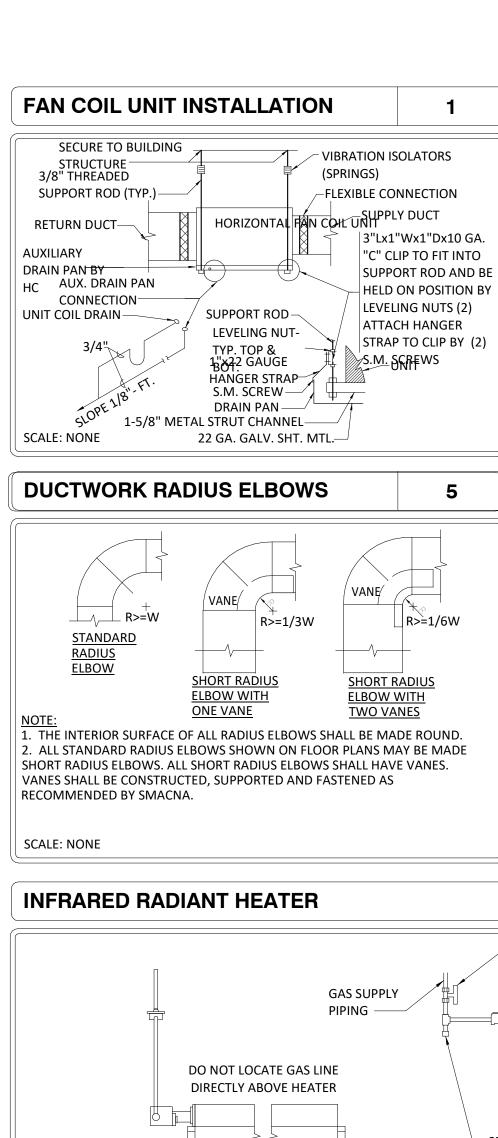
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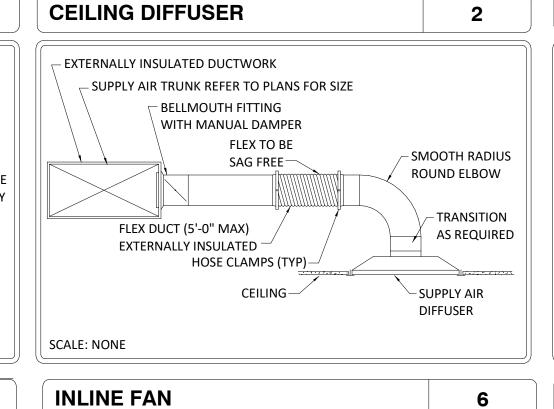
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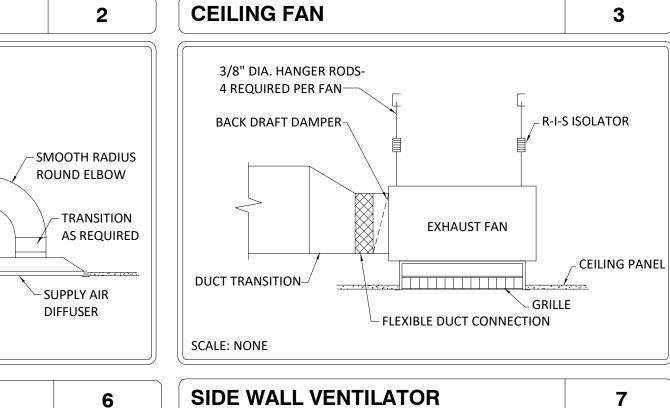
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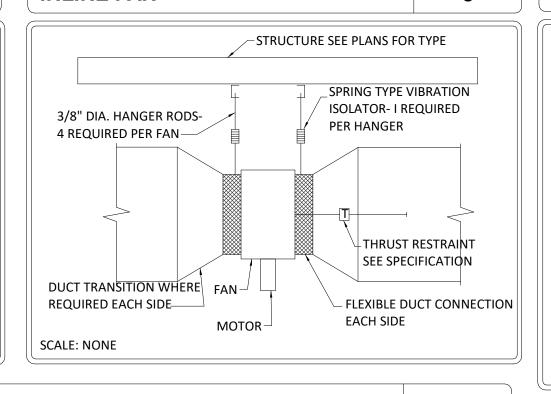
FIRST FLOOR HVAC PLAN

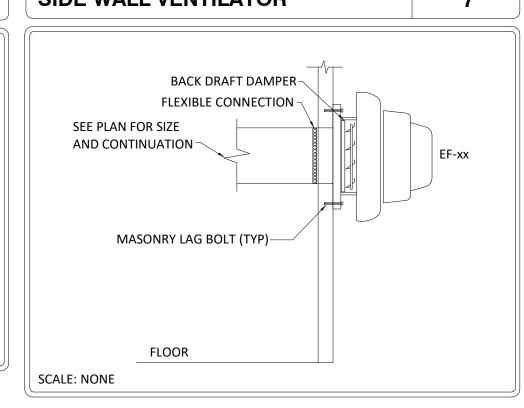
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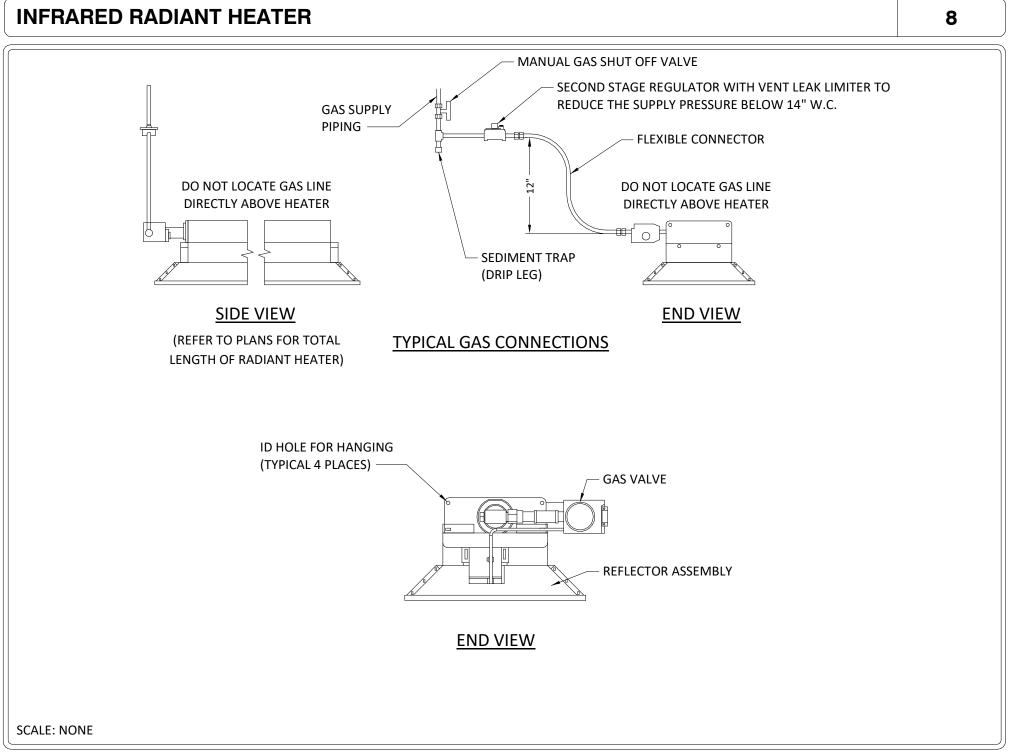










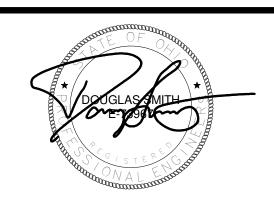




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MARK DATE

HVAC DETAILS

H500

DUCT CONSTRUCTION/SEALING

DUCT SYSTEM	SMA	CNA	NOTES
DOCT STSTEW	SP CONST	SEAL CL	NOTES
MEDIUM VELOCITY SUPPLY	+3"	Α	-
LOW VELOCITY SUPPLY	+1"	Α	-
RETURN / RELIEF	-1"	Α	-
GENERAL EXHAUST	-0.5"	Α	-
OUTSIDE AIR	-0.5"	Α	-

NOTES

AIR DISTRIBUTION DEVICES

OWBE - OFF WHITE BAKED ENAMEL FINISH, ECL - ETCHED CLEAR LACQUER FINISH

ALL EXPOSED AIR DEVICES SHALL HAVE A BACKED ENAMEL FINISH, COLOR TO BE SELECTED BY ARCHITECT.

TAG	TAG DESCRIPTION		MOUNT	ING TYPE	CONSTRUC	CTION TYPE		FINISH		CATALOG	NUMBER	REQ'D	
IAG	DESCRIPTION	MODULE SIZE	LAY-IN	SURFACE	ALUM.	STEEL	O.W.B.E.	E.C.L.	BY ARCH.	MFR**	MODEL	ACCY	
S1	CEILING SUPPLY DIFFUSER	24x24	0			0	0			PRICE	SPD	1	
S2	CEILING SUPPLY DIFFUSER	12x12	0			0	0			PRICE	SPD	1	
S3	VAV DIFFUSER	24x24	0			0	0			PRICE	PPD	1,2	
R1	FIXED BLADE RETURN GRILLE	24x24	0			0	0			PRICE	630	1	

REQ'D ACCESSORIES:

- 1.- COORDINATE MOUNTING WITH ARCHITECTURAL CEILING PLANS. WHERE REQUIRED, PROVIDE SURFACE MOUNTING FRAME FOR LAY-IN FIXTURE.
- 2.- PROVIDE WITH WALL MOUNTED THERMOSTAT.
- 3.- PROVIDE WITH NECK MOUNTED OPPOSED BLADE DAMPER. 4.- PROVIDE WITH TAMPER RESISTANT SCREWS.

** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

ELECTRIC HEATING UNITS

- RECESSED UNITS TO HAVE FOUR (4) SIDE OVER LAP UNLESS OTHERWISE NOTED - VERIFY/COORDINATE CABINET DIMENSIONS MOUNTING AND RECESS REQUIREMENTS WITH ARCHITECTURAL DWGS PRIOR TO ORDERING

- LINTELS FOR FULL & SEMI-RECESSED UNIT WALL OPENING PROVIDED BY GTC

TAG	DESCRIPTION	SERVICE	CFM	MBH	HEATING KW (MIN)	KW (MAX)	EL AMP	EC SERV VOLT	ICE PHASE	MFR**	MODEL	REQ'D ACCESS
EWH-1	HD ELECTRIC WALL HEATER	RR	-	5	1.5	1.5	12.5	120	1	QMARK	AWH3150F	1, 3, 4
EWH-2	HD ELECTRIC WALL HEATER	VESTIBULE	-	5	1.5	1.5	12.5	120	1	QMARK	AWH3150F	1, 3, 4
EUH-1	SUSPENDED HORIZ. PRO.	MEP AREA	400	17.1	5	5	20.8	240	1	RAYWALL	H1HUH05003	1, 6-8

REQ'D ACCESS

1. ARCH TO SELECT FINISH

2. SEMI-RECESSED MOUNTING 3. FULLY RECESSED MOUNTING

4. PROVIDE INTEGRAL DISCONNECT SWITCH.

7. PROVIDE UNIT MOUNTED THERMOSTAT

8. PROVIDE VIBRATION ISOLATION SPRINGS FOR SUSPENDED UNIT HEATER

5. CONVERT UNIT IN FIELD TO WATTAGE LISTED.

** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

OUTDOOR HEAT PUMP UNIT

- DISCONNECT BY ELECTRICAL CONTRACTOR

- HEATING CAPACITY BASED ON INDOOR CONDITIONS OF 68.0°F DB AND OUTDOOR CONDITIONS OF 0°F DB / 0°F WB

- HEAT PUMP UNITS WITH HEAT RECOVERY SHALL PROVIDE SIMULTANEOUS COOLING AND HEATING

- COOLING CAPACITY BASED ON INDOOR CONDITIONS OF 80.0°F DB / 67.0°F WB AND OUTDOOR CONDITIONS OF 95°F DB & 75°F WB

6. PROVIDE DISCONNECT SWITCH

TAG	UNITS	REFRIG LI (TOTAL S			TY MBH SYSTEM)	ELI	ECTRICAL	DATA		DINATNICIONI	MODEL	REQ'D
	SERVED	GAS	LIQUID	CLG CAP MIN	HTG CAP MIN	VOLTS	PHASE	MCA	МОСР	DIMENSION	MITSUBISHI**	ACCESS
		- /-!!	0./0!!							53"H x 42"W		
HP-1	FC-1	5/8"	3/8"	33.28	35.7	230	1	26	40	x 14" L	TRUZH0361KA00NA	ALL

1. - PROVIDE HOUSEKEEPING PAD TO MOUNT OUTDOOR HEAT PUMP UNIT ON GRADE.

2. - REFRIGERATION SYSTEM CONTROLS INCLUDING CONDENSER FAN, COMPRESSOR CONTRACTORS, EVAPORATOR FREEZE THERMOSTAT, WINTER START CONTROL KIT.

3. - SOUND LEVELS REQUIREMENTS: SOUND PRESSURE 63 dBA MAX. AND SOUND POWER LEVEL 82 dBA MAX.

4. - PROVIDE SNOW HOOD AND DAMPER KIT. ** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

INDOOR FAN COIL UNIT SCHEDULE

- HEATING CAPACITY BASED ON INDOOR CONDITIONS OF 70.0°F DB

- COOLING CAPACITY BASED ON INDOOR CONDITIONS OF 80.0°F DB / 67.0°F WB AND OUTDOOR CONDITIONS OF 95.0°F DB / 75°F WB

TAG	LOCATION	MITSUBISHI** MODEL	MIN. TOT. CLG	CAPACITY(N	MBH) HTG.	SUPPLY MIN (CFM)	O/A (CFM)	VOLT	ELECTR PHASE	MCA	TA MOCP	RUNOUT SIZE (LIQ GAS.)	REQ'D ACCESS
FCU-1	CONFERENCE ROOM	TPEADA0361AA70A	33.28	24.1	35.7	925	200	230	1	*	*	3/8" - 5/8"	ALL
-	-	-	-	-	-	-	-	-	-	-	-	-	-

REQ'D ACCESS.

1. ALL TEMPERATURE SENSORS AND FC CONTROLS SHALL BE PROVIDED BY THE UNIT MANUFACTURER.

2. DIRECT EXPANSION COIL PACKAGE WITH FACTORY MOUNTED THERMAL EXPANSION VALVE AND EQUALIZING TUBE. 3. PROVIDE (1) SOLENOID VALVE KIT PER DX FAN COIL. WASHABLE FILTERS. UL LISTED. CONDENSATE INTEGRAL TO UNIT.

4. PROVIDE RETURN AIR FILTER BOX WITH MERV-13 FILTER. 5. INTEGRAL CONDENSATE PUMP.

*INDOOR UNIT IS POWERED FROM OUTDOOR UNIT ** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

EXHAUST FAN SCHEDULE

FAN TYPES: PRV - POWER ROOF VENTILATOR IL - INLINE CENTRIFUGAL ILD - INLINE DUCT BLOWER

US - UTILITY SET SWV - SIDEWALL VENTILATOR PB - PRESSURE BLOWER UBE - UP BLAST EXHAUSTER

PF - PLENUM FAN SWP - SIDEWALL PROPELLER HPRE - HOODED PROPELLER ROOF EXHAUSTER

20.- HAND/OFF/AUTO SWITCH INTERLOCK TO

TAG	ТҮРЕ	SERVICE / LOCATION	CFM	ESP (IN)	MAX SONES	WHEEL DIA(IN)	RPM	HP	VOLTAGE	PHASE	MFR **	MODEL	FAN CONTROL	REQ'D ACCY
EF-1	IL	VEHICLE STORAGE	3,500	0.5	25	14.625	1725	1.5	120	1	GREENHECK	BSQ-140-15	20	1,5,8,11
EF-2	IL	VEHICLE STORAGE	3,500	0.5	25	14.625	1725	1.5	120	1	GREENHECK	BSQ-140-15	20	1,5,8,11
EF-3	UBE	WASH BAY	1,000	0.5	9.6	11.125	1725	0.25	120	1	GREENHECK	CUBE-100-4	21	1-4,11
EF-4	CE	RESTROOM	150	0.4	4.4	7.94	1050	0.17	120	1	GREENHECK	SP-B150	22	1,2,8,11
EF-5	IL	MECHANICAL AREA	400	0.5	10.9	11.19	1725	0.25	120	1	GREENHECK	BSQ-80-4	23	1,5,8,11

REQ'D ACCY:

1.- STANDARD DISCONNECT, FACTORY MOUNTED & WIRED

CE - CEILING MOUNTED EXHAUST

- 2.- BACKDRAFT DAMPER 3.- ALUMINUM CONSTRUCTION
- 4.- PROVIDE WALL BRACKET SUPPORT & MOUNTING FLANGE 5.- STANDARD FINISH, COLOR BY ARCHITECT
- 6.- SPUN ALUMINUM W/ALUMINUM BIRDSCREEN.
- 7.- AIR DRIED EXPOXY FINISH ENTIRE FAN INCL ACC 8.- R-I-S VIBRATION ISOLATION HANGERS
- 9.- ALUM. CANTED ROOF CURB W/INSULATION 18" H &
- 10.- ALUMINUM STEEL CAP & BOLTED INSPECTION DOOR.
- 11.- SPEED CONTROLLER.
- W/WOOD NAILER

OUTDOOR ENCLOSURE. 14.- SIDEWALL MOUNTED W/WEATHERHOOD

12.- ALUMINUM BIRDSCREEN

& EXPLOSION RESISTANT, AMCA SPARK PROOF B FAN. 15.- THREADED PIPE DRAIN CONNECTION.

16.- WEATHERHOOD. 17.- SPARK RESISTANT CONSTRUCTION.

13.- FACTORY MOUNTED & WIRED DISCONNECT: CLASS I,

DIV I CIRCUITRY, MOUNTED EXTERNALLY IN NEMA 3R

18.- FACTORY MOUNTED & WIRED DISCONNECT

** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

FAN CONTROL BY EC:

GAS DETECTION SYSTEM

22.- INTERLOCK WITH LIGHTING

23.- WALL MOUNTED THERMOSTAT.

21.- MANUAL SWITCH

INFRARED HEATER SCHEDULE

TAG	SERVES	GAS INPUT BURNER	RADIANT LENGTH FT	HEAT EX RADIANT	CHANGER TAILPIPE			CAL DA	TA AMPS	GAS SIZE	MFR**	MODEL	REQ'D ACCESS
IRH-1	VEHICLE STORAGE	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	1, 2, 3
IRH-2	VEHICLE STORAGE	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	1, 2, 3
IRH-3	VEHICLE STORAGE	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	1, 2, 3
IRH-4	VEHICLE STORAGE	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	1, 2, 3
IRH-5	WASH BAY	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	ALL
IRH-6	WASH BAY	125 MBH	40 MAX	4" DIA.	4" DIA.	120	1	60	1	1/2"	ROBERTS GORDON	CTH2V-125-40	ALL

REQ'D ACCESS:

1.- PROVIDE IRH BURNERS WITH DIRECT SPARK ELECTRONIC IGNITION CONTROL, 120V, 1.3 AMP CORD WITH THREE PRONG MOLDED PLUG.

2.- PROVIDE WALL VENT CAP FOR OUTSIDE AIR INTAKE.

3.- PROVIDE REFLECTOR & SHIELD ASSEMBLIES AS NECESSARY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

4.- PROVIDE WATER RESISTANT BURNER AND EQUIPMENT IN WASH BAY. ** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

LOUVER SCHEDULE

TAG	ТҮРЕ	SERVICE	DP	SIZE(IN) W	Н	AIR FLOW (CFM)	PD (IN)	VELOCITY (FPM)	FREE AREA (FT^2)	MFR**	MODEL	REQ'D ACCESS
L-1	EXHAUST	EF-1	6	42	36	3,500	0.05	600	5.87	GREENHECK	ESD-635	1
L-2	EXHAUST	EF-2	6	42	36	3,500	0.05	600	5.87	GREENHECK	ESD-635	1
L-3	INTAKE	VEHICLE STORAGE, EF-1	6	42	36	3,500	0.05	600	5.87	GREENHECK	ESD-635	1,2
L-4	INTAKE	VEHICLE STORAGE, EF-2	6	42	36	3,500	0.05	600	5.87	GREENHECK	ESD-635	1,2
L-5	TRANSFER	WASH BAY, EF-3	6	24	20	1,000	0.08	738	1.37	GREENHECK	FDS-602	2,4
L-6	EXHAUST	EF-5	6	16	16	400	0.07	707	0.57	GREENHECK	ESD-635	1
L-7	EXHAUST	EF-4	6	16	16	240	0.02	424	0.57	GREENHECK	ESD-635	1
L-8	INTAKE	FCU-1	6	16	16	200	0.02	353	0.57	GREENHECK	ESD-635	1,3

1.- INCLUDE BIRD SCREEN. BAKED ENAMEL FINISH AND COLOR BY ARCHITECT.

2.- INCLUDE 120 VOLT, MOTOR OPERATED DAMPER TO BE INTERLOCKED WITH CORRESPONDING EXHAUST FAN.

3.- INCLUDE 120 VOLT, MOTOR OPERATED DAMPER TO BE INTERLOCKED WITH FCU-1. 4.- STAINLESS STEEL CONSTRUCTION.

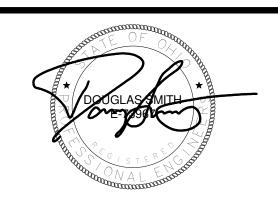
** - REFER TO SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS

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DEL #21-179



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SHEET TITLE

HVAC SCHEDULES

ELECTRICAL SYMBOLS <u>SYMBOL</u>

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 $\vdash \!\!\! igotimes$

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 \Diamond

DESCRIPTION SURFACE LIGHT (TYPE DENOTED) RECESSED LIGHT (TYPE DENOTED) POLE MOUNTED LIGHT (TYPE DENOTED) SURFACE LINEAR LIGHT (TYPE DENOTED) SUSPENDED OR PENDANT LIGHT (TYPE DENOTED) RECESSED LINEAR LIGHT (TYPE DENOTED) STRIP LIGHT (TYPE DENOTED) TRACK AND TRACK LIGHT (TYPES DENOTED) EMERGENCY BATTERY LIGHT (TYPE DENOTED) EXIT SIGN (TYPE DENOTED) LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH \Rightarrow LIGHT FIXTURE ON (EM) CRITICAL BRANCH

H 7 SINGLE POLE SW. (46" MH, TYPICAL) 3-WAY SW 4-WAY SV KEYED SW LOW VOLTAGE DIMMER SWITCH PUSH BUTTON SINGLE RECEPT \ominus \Rightarrow DUPLEX RECEPT. (18" MH UNO)

SPLIT DUPLEX RECEP QUADRAPLEX RECEPT. FLOOR RECEPT. (DUPLEX SHOWN) $\Box \phi$ RECEPT ON CORD REEL (DUPLEX SHOWN) ⊕⊣ JUNCTION BOX

SYMBOL DESCRIPTION SPECIAL RECEPT. OR CONN. (SEE SCHEDULE) CIRCUIT BREAKER PANEL TRANSFORMER (TYPE DENOTED) MOTOR (SEE SCHEDULE) SAFETY DISC. SW. (NON-FUSED) SAFETY DISC. SW. (FUSED) CEILING DUAL TECH OCCUPANCY SENSOR

CEILING PHOTOCELL TIME CONTROL SWITCH (TIME SWITCH) HALFTONE SYMBOL INDICATES EXISTING DASHED SYMBOL INDICATES REMOVED SWITCHED CIRCUIT UNSWITCHED CIRCUIT CIRCUIT HOMERUN

---- UNDERGROUND AV RECEPTACLE CEILING MTD GROUND FAULT INTERRUPTER 5MA. PROJ PROJECTOR, SEE TECH DWGS FOR LOCATION AND MH. TAMPER RESISTANCE TEACHERS RECEPTACLE TV RECEPTACLE, SEE TECH DWGS FOR LOCATION AND MH. COMBINATION DUPLEX/USB RECEPTACLE, 3.1A AMP USB. USB WEATHERPROOF "IN USE" WITH GFI.

<u>SYMBOL</u> DESCRIPTION FIRE ALARM HORN W/STROBE (88" MH) FIRE ALARM BELL (88" MH)

FIRE ALARM BELL W/STROBE (88" MH) FIRE ALARM STROBE (88" MH) FIRE ALARM SPEAKER W/STROBE (88" MH)

CEILING MTD AUDIO/VISUAL CEILING MTD AUDIBLE FAAP FIRE ALARM REMOTE ANNUNCIATOR

 ∏ FAKP KNOX BOX ☐ FACP FIRE ALARM CONTROL PANEL SMOKE DETECTOR (TYPE DENOTED) HEAT DETECTOR (TYPE & TEMP DENOTED) DUCT SMOKE DETECTOR (TYPE DENOTED) REMOTE TEST/STATUS STATION SMOKE DAMPER, SEE DETAIL F.A. PULLSTATION, (46" MH) F.A. RELAY

F.A. DOOR HOLDER SPRINKLER FLOW SWITCH SPRINKLER VALVE TAMPER SWITCH ∏ GAP GENERATOR REMOTE ANNUNCIATOR KEYED NOTE (SEE SCHEDULE) RELAY OVERRIDE SWITCH, M IS MASTER. SEE DETAILS (ZONE CONTROLLED)

SWBD SWITCHBOARD

SYSTEM

SYS

TERM

T-STAT

TTC

TVTC

TYP

UC

UT

UV

UTIL

VERT

VFD

W/O

WP

XFR

XFMR

SYMMETRICAL

TELEPHONE

TWIST LOCK

THERMOSTAT

TFI FVISION

TYPICAL

UTILITY

VOI T

VERTICAL

VOI UMF

WIRE GUARD

WITHOUT

WATER HEATER

WEATHERPROOF

TRANSFORMER

TRANSFER

FEET

INCHES

PHASE

PLATE

NUMBER

CENTER LINE

WATT

WITH

TAMPER RESISTAN

UNDER COUNTER

UNDERGROUND

UNIT HEATER

VOLT-AMPERES

TELEPHONE TERMINAL CABINET

TELEVISION TERMINAL CABINET

UNDERGROUND ELECTRICAL

UNLESS NOTED OTHERWISE

UNDERGROUND TELEPHONE

VIDEO DISPLAY TERMINAL

VARIABLE FREQUENCY DRIVE

UNIT VENTILATOR OR ULTRAVIOLET

TERMINAL

ELECTRICAL ABBREVIATIONS LIST

BD

COMB COMBINATION

CMPR COMPRESSOR

CONN CONNECTION

CONTR CONTRACTOR

CONV CONVECTOR

CTR CENTER

CU COPPER

CONST CONSTRUCTION

CONT CONTINUATION OR CONTINUOUS

CURRENT TRANSFORMER

CIRCULATING PUMP

CATHODE-RAY TUBE

1 POLE (2P, 3P, 4P, ETC.) DCP DOMESTIC WATER CIRCULATING PUMP HEIGHT DEPT HEATING HTG AMPERE DEPARTMENT ABOVE COUNTER OR AIR DET DETAIL HTR HEATER HIGH VOLTAGE CONDITIONER DIAMETE ACLG ABOVE CEILING DISCONNECT HEATING, VENTILATING AND DIST AUTOMATIC DOOR OPENER DISTRIBUTION AIR CONDITIONING AMP FRAME DOWN HYDRONIC WATER PUMP ABOVE FINISHED FLOOF DPR DAMPER INTERRUPTING CAPACITY ABOVE FINISHED GRADE SAFETY DISCONNECT SWITCH DS ISOLATED GROUND ARC FAULT CIRCUIT INTERRUPTER DT DOUBLE THROW INTERMEDIATE METAL CONDUIT AIR HANDLING UNIT DRAWING INCAND INCANDESCENT EXISTING TO REMAIN ALUMINUM INFRARED ALTERNATE **ELECTRICAL CONTRACTOR** I/W INTERLOCK WITH AMP AMPERE ELEC ELECTRIC, ELECTRICAL J-BOX JUNCTION BOX AMPL AMPLIFIER ELEV ELEVATOR KILOVOLT ANNUN ANNUNCIATOR EMERGENCY KILOVOLT-AMPERE APPROX APPROXIMATEL' **ENERGY MANAGEMENT SYSTEM** KVAR KILOVOLT-AMPERE REACTIVE EMT AQ-STAT AQUASTAT ELECTRICAL METALLIC TUBING KW KILOWAT ARCH ARCHITECT, ARCHITECTURAL FP ELECTRIC PNEUMATIC KWH KILOWATT HOUR AMP SWITCH EQUIP EQUIPMEN LOC LOCATE OR LOCATION AMP TRIP EWC ELECTRIC WATER COOLER LT LIGHT AUTOMATIC TRANSFER SWITCH FXISTING LTG LIGHTING AUTO AUTOMATIC FXHAUS^{*} LTNG LIGHTNING AUX AUXILIAR\ EXPLOSION PROOF LOW VOLTAGE FA FIRE ALARM AUDIO VISUAI MAX MAXIMUM MAG.S MAGNETIC STARTER FABP FIRE ALARM BOOSTER POWER AMERICAN WIRE GAUGE BATTERY SUPPLY PANEL MOMENTARY CONTACT FACP FIRE ALARM CONTROL PANEL BOARD MECHANICAL CONTRACTOR BLDG BUILDING MAIN CIRCUIT BREAKER FCU FAN COIL UNIT BUILDING MANAGEMENT SYSTEM BMS FIXT FIXTURE MOTOR CONTROL CENTER CONDUIT FLR FLOOR MDC MAIN DISTRIBUTION CENTER MAIN DISTRIBUTION PANEL CABINET FLUOR FLUORESCENT MDP CAB CATALOG CAT FU FUSE MFR MANUFACTURER FUDS FUSED SAFETY DISCONNECT SWITCH MAIN FUSED DISCONNECT SWITCH CATV CABLE TELEVISION MFS CB CIRCUIT BREAKER GA GAUGE MOUNTING HEIGHT, CENTERLINE MH CCTV CLOSED CIRCUIT TELEVISION GAL GALLON MICROPHONE GALV GALVANIZED CKT CIRCUIT MIN MINIMUM CLG CEILING GC

GENERAL CONTRACTOR

GROUND FAULT CIRCUIT

GROUND FAULT PROTECTOR

GRS GALVANIZED RIGID STEEL (CONDUIT)

HOA HANDS-OFF-AUTOMATIC SWITCH

HIGH POWER FACTOR

GENERATOR

INTERRUPTER

GEN

GFI

HPF

GND GROUND

GYP BD GYPSUM BOARD

HORIZ HORIZONTAL

HP HORSEPOWER

MISC

MLO

MMS

MTS

MT MOUNT

MISCELLANEOUS

MAIN LUGS ONLY

MOA MULTIOUTLET ASSEMBLY

MSBD MAIN SWITCHBOARD

MTR MOTOR, MOTORIZED

NEC NATIONAL ELECTRICAL CODE

N.C. NORMALLY CLOSED

MT.C EMPTY CONDUIT

MANUAL MOTOR STARTER

MANUAL TRANSFER SWITCH

DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NORMAL POWER FACTOR NOT TO SCALE NTS OVERHEAD OVERLOADS PUBLIC ADDRESS PULL BOX OR PUSHBUTTON PNEUMATIC ELECTRIC PEDESTAL PED POWER FACTOR PNI PANFI POWER POLE PAIR PRIMARY PROJECTION PWR POWER QUAN QUANTITY RELOCATE

POST INDICATING VALVE POWER ROOF VENTILATOR POTENTIAL TRANSFORMER POLYVINYL CHLORIDE (CONDUIT) VOL RECEPTACLE RELOCATED REQD REQUIRED ROOM RIGID STEEL CONDUIT RSC RTU ROOF TOP UNIT SURFACE CONDUIT SECONDARY SEC SHT SHEET SIM SIMILAR S/N SOLID NEUTRAL SPEC SPECIFICATION MOTOR STARTER PANELBOARD SPEAKER SPKR SPARE SURFACE RACEWAY STAINLESS STEEL

SELECTOR SWITCH

STATION

SW SWITCH

STANDARD

SURF SURFACE MOUNTED

STOP/START PUSHBUTTONS

SSW

S/S

STA

STD

NEMA NATIONAL ELECTRICAL

NON-FUSED SAFETY

MANUFACTURER'S ASSOCIATION SYM

ELECTRICAL GENERAL NOTES

GENERAL NOTES APPLY TO ALL SHEETS. THE PLANS ARE INTENDED TO COMPLY WITH FEDERAL, STATE, AND LOCAL CODES, GUIDELINES, AND REGULATIONS, AS WELL AS THE HEALTHCARE FACILITIES GUIDELINES AND JOINT COMMISSION STANDARDS (FOR HEALTHCARE PROJECTS). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL OF THE PLANS AND SPECIFICATIONS, NOT

SOLELY THOSE OF THEIR TRADE. SEE THE ARCHITECTURAL PLANS FOR A LEGEND OF WALL PARTITION TYPES. PROVIDE A UL RATED FIRESTOPPING ASSEMBLY TO MEET THE RATING OF THE WALLS REQUIRING SUCH. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

THE CONTRACTOR SHALL LAY OUT AND COORDINATE ALL LINES, LEVELS, ELEVATIONS, AND MEASUREMENTS FOR ALL THE WORK, AND NOTIFY THE ENGINEER OF DISCREPANCIES AND CONFLICTS BEFORE PROCEEDING WITH INSTALLATION OR EXCAVATION. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR THE EXACT LOCATIONS AND QUANTITIES OF DEVICES.

IN THE EVENT OF INCONSISTENCY OR CONFLICT WITHIN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK AND COMPLY WITH THE STRICTER REQUIREMENT. REFER TO ARCHITECTURAL ELEVATIONS FOR DEVICE LOCATIONS AND MOUNTING HEIGHTS WHEN LOCATED AT OR ABOVE CASEWORK. COORDINATE EXACT DEVICE LOCATIONS PRIOR TO ROUGH-IN AND INSTALLATION. COORDINATE MOUNTING HEIGHTS WITH DEVICES OF OTHER TRADES IF NOT ELEVATED.

SEE ARCHITECTURAL ELEVATIONS FOR ALL WALL MOUNTED DEVICES (I.E. HAND DRYERS, PHONES, ETC). COORDINATE LOCATIONS IN FIELD FOR EXACT PLACEMENT. RECEPTACLES IN ROOMS WITH SINKS ARE NOTED AS "GF" WHERE WITHIN SIX FEET OF A WATER SOURCE. IF RECEPTACLES SHOWN WITHOUT "GF" ARE LOCATED CLOSER TO SINK, GROUND FAULT MUST BE ADDED TO THE DEVICE. ARCHITECTURAL ELEVATIONS SHALL TAKE PRECEDENCE. EC TO COORDINATE ALL OUTLETS LOCATED ABOVE SINKS AND COUNTERTOPS WITH ARCHITECTURAL ELEVATIONS OF THE RESPECTIVE AREA AND ALL OTHER TRADES. IF NO ELEVATION EXISTS, LOCATE RECEPTACLES TO AVOID ALL MIRRORS, DEVICES, ETC. LOCATED ON BACK WALL OF SINK. DO NOT MOUNT ANY OUTLETS DIRECTLY OVER SINKS.

COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES TO BE INSTALLED IN MECHANICAL ROOMS WITH OTHER TRADES AND BUILDING CONDITIONS. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED (INCLUDING ROOMS WHERE THERE ARE OPERABLE PARTITIONS

FURNISH AND WIRE ALL DUCT SMOKE DETECTORS, INSTALL AS SHOWN ON DRAWINGS. F/A VENDOR SHALL COORDINATE WITH HC ON ALL LOCATIONS OF SMOKE DAMPERS PRIOR TO SUBMITTAL (AS LOCATIONS AND QUANTITIES MAY VARY

DEPENDING ON HC ROUTING). FROM ALL FLUSH MOUNTED PANEL BOARDS, PROVIDE 1 SPARE 3/4" CONDUITS FOR EVERY 3 SPARE CIRCUIT BREAKERS OR PROVISIONAL SPACES OUT TO ABOVE ACCESSIBLE CORRIDOR CEILING SPACE. PROVIDE 1/4" THICK STEEL PLATE TO BACK OF ELECTRICAL PANELS. THE OVERALL DIMENSION OF THE PLATE IS TO BE THE SIZE OF THE ELECTRICAL PANEL. COORDINATE WALL THICKNESS FOR PANELBOARDS WITH ARCHITECT AND GC.

ALL RECEPTACLES CIRCUITED TO "C", "E" AND "L" SERIES PANELS (ANY PANEL WITH DESIGNATION WHICH STARTS WITH THE LETTER 'C', 'E' AND 'L') SHALL BE RED IN COLOR UNO IN SPECIFICATIONS. ALL EXTERIOR BUILDING-MOUNTED RECEPTACLES SHALL BE WEATHER RESISTANT, GROUND FAULT INTERRUPT UNLESS

SPECIFIED OTHERWISE THE ELECTRICAL CONTRACTOR SHALL PROVIDE ONE EXTRA EXIT SIGN AND 50' OF 3/4" CONDUIT AND WITH (2) #10'S AND #10 GND AS PART OF THEIR BID FOR ADDITIONAL EXIT SIGNS THAT MAY BE REQUIRED BY FIELD AHJ WALK-THRU LIGHT FIXTURES ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF FIXTURES. EXTERIOR MOUNTING HEIGHTS INDICATED ON PLANS ARE FOR

REFERENCE ONLY. COORDINATE ALL HEIGHTS AND LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. ALL EMERGENCY LIGHTING FIXTURES, NIGHT LIGHTS, EXITS SIGNS, AND GTD'S SHALL BE CONNECTED TO UNSWITCHED LEGS OR THROUGH AN EMERGENCY LIGHTING SPECIFIC RELAY CIRCUIT, UNLESS NOTED OTHERWISE. LIGHT FIXTURES CONNECTED TO A LIFE SAFETY BRANCH CIRCUIT ARE TO HAVE A "GLR" IN LINE FUSE UNO. MOUNT GTD (OR REMOTE BATTERY PACK) FOR EMERGENCY EXTERIOR FIXTURES IN INTERIOR SPACE ABOVE ACCESSIBLE

CEILING. PROVIDE STICK ON LABEL ON GRID NOTING GTD ABOVE. COORDINATE ALL TASK LIGHTING WITH CASEWORK CONTRACTOR PRIOR TO ROUGH-IN. SEE ARCHITECTURAL ELEVATIONS FOR FIXTURE LOCATIONS AND MOUNTING DETAILS.

REFER TO POWER PLANS FOR ACTUAL PANEL LOCATION. GENERAL LOCATION OF PANELS MAY BE SHOWN ON LIGHTING PLAN FOR REFERENCE.

ALL CABLE CONNECTIONS TO GROUND RODS, STRUCTURAL STEEL OR REINFORCING STEEL SHALL BE BY CADWELD,

HERMOWELD OR HELIARC WELDING PROCESS. SEE DIV 26 GROUNDING SPECIFICATION. THIS CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. SPACE EXITING BUILDING MAY HAVE STORM/WATER AND POWER CONDUITS. COORDINATION DRAWINGS SHALL BE DONE AND APPROVED PRIOR TO INSTALLATION AND SHALL SHOW BUILDING FOOTERS, ALL PIPING, ETC.

SEAL ALL CONDUITS TO FUEL OIL TANKS AND AT FIRE WALLS. ALSO, SEAL CONDUITS BETWEEN EXTERIOR SPACES AND INTERIOR SPACES, CONDUITS THAT ENTER WALK-IN COOLERS/FREEZERS, OR CONDUITS BETWEEN SPACES THAT ARE JUST HEATED VS HEATED AND COOLED.

PROVIDE 4" HOUSEKEEPING PADS FOR ALL EQUIPMENT THAT IS FLOOR SET UNO.

VERIFY ALL EQUIPMENT CONNECTION LOCATIONS WITH SUPPLIER PRIOR TO ROUGH-IN AS EQUIPMENT MAY CHANGE. INTERLOCK CONTROL WIRING FOR EQUIPMENT WITH EQUIPMENT SERVED (MOTORIZED LOUVERS AND SHAFT FANS WITH GENERATOR START CONTROLS) SHALL BE BY EC UNO.

COORDINATE ALL MOUNTING HEIGHTS BETWEEN ALL TRADES. COORDINATE PANEL LOCATION WITH PC/HC/FPC TO ENSURE NO FORGEIN SYSTEMS ARE WITHIN 6' OF THE TOP OF THE PANEL PER NEC 110. AND PIPING BEYOND 6' ABOVE PANELS ARE REQUIRED TO BE SLEEVED. PROVIDE FACEPLATES FOR ALL OUTLET COVERS LISTED WITH PANEL AND CIRCUIT NUMBERS. ALL EMERGENCY OUTLETS

SHALL BE SUPPLIED WITH RED COVER PLATE AND UPS SHALL BE BLUE. ALL NORMAL RECEPTACLES SHALL BE SUPPLIED WITH COVER PLATE MATCHING DEVICE COLOR, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE ALL LIGHT SWITCHES, ELECTRICAL PANELS, AND OTHER ELECTRICAL EQUIPMENT LOCATIONS WITH HVAC, FPC, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. VERIFY SPACE FOR EQUIPMENT THROUGH COORDINATION DRAWINGS. ALL WALLS THAT HAVE MULTIPLE DEVICES (RECEPTACLES, DATA, LIGHT SWITCHES, THERMOSTATS, FIRE ALARM DEVICES, ETC) SHALL BE ALIGNED, RECEPTACLES SHALL BE MOUNTED AT THE SAME HEIGHT AS DATA OUTLETS IF

NOT SHOWN ON THE ARCHITECTURAL ELEVATIONS. MOUNT ALL DATA OUTLETS AND RECEPTACLES AT SAME HEIGHTS AND CLOSE TO ONE ANOTHER WHENEVER POSSIBLE (ALLOWING FOR SPACE FOR LARGER COVERPLATES). EC TO HARD PIPE ALL LIFE SAFETY CIRCUITS ('L' PREFIX PANELS). NO FLEXIBLE RACEWAY TO BE USED (EXCEPT TO CEILINGS AND MOVING EQUIPMENT WITHIN THE ROOM). CRITICAL BRANCH PANELS ('C' PREFIX) AND LIFE SAFETY CIRCUITS SHALL NOT SHARE WIRING WITH ANY EQUIPMENT, OPTIONAL, OR NORMAL POWER SYSTEMS. OUTPUT WIRING FROM 20A

GTD'S SHALL BE CLASSIFIED AS LIFE SAFETY (FOR INTERIOR OR EXTERIOR LIGHTING CIRCUITS). OBTAIN SITE SPECIFIC CUT SHEETS FOR OWNER FURNISHED EQUIPMENT. PROVIDE POWER CIRCUIT AND CONNECTIONS

AS SHOWN ON DRAWINGS. EC TO REFERENCE ARCHITECTURAL PLANS FOR RECEPTACLE HEIGHTS PRIOR TO ROUGH-IN.

SPECIAL RECEPTACLES IN DATA ROOMS ARE TO BE NEMA L6-20R (U.N.O.), VERIFY LAYOUT WITH RACKS AND EQUIPMENT.

COORDINATE MOTORIZED DOOR OPERATORS WITH ARCHITECTURAL DRAWINGS. PROVIDE POWER TO ALL MECHANICAL\PLUMBING EQUIPMENT THAT REQUIRES POWER. THIS INCLUDES ANY VENDOR SPECIFIC ADDITIONAL EQUIPMENT THAT IS NOT SHOWN. POWER SHALL BE SOURCED TO MATCH THE REST OF THE SYSTEMS BRANCH REQUIREMENTS (FROM LIKE PANELS, IF 'C' PANEL FED HEADEND, THEN 'C' SHALL FEED ADDITIONAL EQUIPMENT), UNO. COORDINATE ALL EQUIPMENT LUGS WITH SAID CONTRACTOR PROVIDING EQUIPMENT. EQUIPMENT IS

ASSUMED TO BE PROVIDED WITH LUGS TO CONNECT TO WIRING PROVIDED ON THESE DRAWINGS. ANY DAMAGE CAUSED BY THIS CONTRACTORS SCOPE OF WORK SHALL BE THIS CONTRACTORS RESPONSIBILITY. DO NOT SCALE PLANS WHEN DIMENSIONS EXIST OF EQUIPMENT. ANY DISCREPANCIES IN DIMENSIONS SHALL BE NOTED AT

IN SUBMITTALS. PROVIDE RFI WHEN SPACE DOES NOT ALLOW FOR INSTALLATION (AT TIME OF SUBMITTAL). ALL EQUIPMENT LOCATIONS ARE APPROXIMATE, COORDINATE EXACT LOCATION IN FIELD.

THIS CONTRACTOR SHALL BE REQUIRED TO COORDINATE ALL LOCATIONS OF ALL DEVICES, PIPING, CONDUITS, DUCTS, CLEARANCES, ETC. WITH ALL OTHER TRADES. HVAC, STORM AND SANITARY PIPING SHALL HAVE RIGHT OF WAY FOR SLOPE AND SPACE REQUIREMENTS. ALL DEVICES THAT REQUIRE WORK FROM OTHER TRADES (THE FOLLOWING IS AN EXAMPLE BUT NOT A COMPLETE LIST): EQUIPMENT, DEVICES, SMOKE DETECTORS, SMOKE DAMPERS, ETC. SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION. SEE SPECIFICATIONS FOR PHASING REFERENCES.

COORDINATE ALL CEILING INSTALLATIONS DEVICES WITH CEILING TILE SUPPLIER. INSTALL DEVICES ON QUARTER POINTS IF SCORE TILE IS INSTALLED. INSTALL MULTIPLE DEVICES IN ONE TILE WHERE POSSIBLE (TO LIMIT THE NUMBER OF INACCESSIBLE TILES) AND SHALL BE COORDINATED IN FIELD WITH VENDORS. THIS SHALL INCLUDE, BUT NOT LIMITED TO: SPRINKLER HEADS, SPEAKERS, F/A DEVICES, LIGHTING CONTROLS, ETC.

REFER TO SPECIFICATIONS FOR VOLTAGE DROP REQUIREMENTS AS THEY ARE DIFFERENT FROM THE NEC MINIMUMS. OO. CABLE TRAY SHALL BE USED FOR VOICE AND DATA CABLING ONLY. CENTRAL SOUND, VIDEO, AND ALL OTHER CABLING SHALL BE RUN IN SEPARATE AND INDEPENDENT J-HOOK STRAPS AND NOT IN THE CABLE TRAY.

PROVIDE TWO (2) 2" CONDUIT SLEEVES ABOVE THE ENTRY DOOR OF EACH ROOM FOR VOICE, DATA, AND ALL OTHER

QQ. EC IS REQUIRED TO WALK THRU WITH OWNER TO VERIFY ALL DEVICE LOCATIONS AFTER INSTALLATION OF STUDS BEFORE ANY CONDUIT OR BOXES INSTALLED (PER ROOM TYPE). RR. SEE VIDEO IMAGING SITE SPECIFIC DRAWINGS FOR ALL CLIENT CONTRACTOR WORK REQUIRED, RACEWAY BOXES,

CABLES, FTC. SEE SITE SPECIFIC DRAWINGS FOR ALL CLIENT CONTRACTOR WORK REQUIRED, RACEWAY BOXES, CABLES, ETC VERIFY ALL OWNER PROVIDED AND RELOCATED ITEMS/EQUIPMENT IN FIELD. REFER TO SITE SPECIFIC DRAWINGS WERE

UU. ALL TRENCH WIDTHS ARE SHOWN FOR ITEMS ONLY. ANY REQUIREMENTS FOR SLOPING WALLS OR TO MAKE WIDER FOR CODES/WORKING/SAFETY ARE BY THE CONTRACTOR.

MAINTAIN 18" SEPARATION BETWEEN CONDUITS OF MEDIUM VOLTAGE AND LOW VOLTAGE. WW. THE ELECTRICAL CONTRACTOR SHALL ALSO INCLUDE ROUGH-INS (CONDUIT WITH PULL-STRINGS) FOR THERMOSTATS AND OTHER HVAC WALL MOUNTED CONTROL DEVICES. REFER TO MECHANICAL PLANS AND COORDINATE WITH THE CONTROLS

CONTRACTOR XX. PROVIDE ROUGH IN OF ALL TECHNOLOGY DEVICES SHOWN ON THE POWER AND TECHNOLOGY PLANS. YY. WHERE ROOMS ARE PRESSURE SENSITIVE, INTERIOR OF CONDUITS SHALL BE SEALED AS WELL AS EXTERIOR

PENETRATIONS THRU WALL ZZ. LIGHTING CONTROL SYSTEM STARTUP AND COMMISSIONING SHALL BE BY THE LIGHTING CONTROL MANUFACTURER. ANY DAYLIGHT HARVESTING SYSTEMS (WHEN INSTALLED), SHALL BE PROVIDED TO SPECIFICATIONS. ANY CHANGES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR A COMPLETE AND FUNCTIONING SYSTEM MATCHING EXISTING DESIGN

AAA. THE EC SHALL COORDINATE NEW SERVICE WITH UTILITY(S). ONCE THE CONTRACTOR HAS BEEN AWARDED, A SCHEDULE SHALL BE SET TO DETERMINE THE WORK REQUIRED BY THE UTILITY(S). NEW/CHANGE OF SERVICE SHALL BE FILED BY THE CONTRACTOR. THE ARCHITECT/OWNER/ENGINEER SHALL PROVIDE LOAD BREAKDOWNS, ACCOUNT INFORMATION, ETC AS REQUIRED TO APPLY FOR NEW/CHANGE OF SERVICE AS NOTED ON DRAWINGS. ANY UTILITY INFORMATION SHOWN ON DRAWINGS IS APPROXIMATE AND SUBJECT TO CHANGE. ENGINEER MAY COORDINATE INTENT WITH UTILITY (DUE TO MOST UTLITIES HAVING A 6 MONTH EXPIRATION ON ANY REQUESTS).

ELECTRICAL PHASING GENERAL NOTES

PROVIDE A LIST OF SHUTDOWNS. ALL SHUTDOWNS NEED TO BE APPROVED 2 WEEKS PRIOR BY THE OWNER UNO. ALL SHUTDOWNS REQUIRE A MOP (METHOD OF PROCEDURE) DOCUMENT GENERATED BY THE CONTRACTOR WITH DESCIRPTIONS OF THE ACTIVITIES AND DURATIONS OF EACH EVENT, POINT OF NO RETURN, AND TOTAL DURATION OF THE SHUTDOWN. THIS MUST BE APPROVED BY THE OWNER AND ENGINEER 30 DAYS PRIOR TO SHUTDOWN.

E.C. SHALL DISCONNECT ALL POWER TO EQUIPMENT OF OTHER TRADES DESIGNATED FOR DEMOLITION OR RELOCATION. COORDINATE ALL WORK REQUIRED WITH CONTRACTORS OF OTHER TRADES. IN SUCH CASES WHERE THE EQUIPMENT IS BEING REMOVED, E.C. SHALL REMOVE ALL ASSOCIATED WIRING, CONDUIT, AND BOXES BACK TO SOURCE. TURN OVER ALL REMOVED ELECTRICAL EQUIPMENT TO OWNER.

REFER TO ARCHITECTURAL PHASING PLANS FOR SCHEDULE OF WORK

EXISTING LIGHTING TO REMAIN IN OPERATION THRU ALL PHASES OF CONSTRUCTION

RECONNECT ALL EXISTING AND RELOCATED DEVICES AND EQUIPMENT TO ORIGINAL PANEL UNLESS OTHERWISE NOTED ON PLANS. RECONFIGURE AND EXTEND CIRCUIT AS NECESSARY. PROVIDE OWNER WITH UPDATED, TYPED PANEL SCHEDULE. POWER TO EXISTING HVAC EQUIPMENT, VAV BOXES, AND HEATERS (UNIT OR OTHERWISE) TO REMAIN IN OPERATION DURING COLD MONTHS OF CONSTRUCTION. IF ANY HEATING UNITS/SYSTEMS ARE REMOVED OR TURNED OFF,

CONTACTOR MUST PROVIDE TEMPORARY HEATING TO ENSURE PIPES TO NOT FREEZE COORDINATE ALL CEILING REPLACEMENTS WITH ARCHITECTURAL PLANS FOR LOCATION OF CEILING REPLACEMENTS DEMOLITION OF FIXTURES SHALL BE SIMILAR TO SPACES NOTED. DEMOLISHED CEILING SHALL HAVE ALL DEVICES PROTECTED AND REINSTALLED TO NEW CEILINGS. LIGHTING SHALL BE REMOVED AND REPLACED WITH NEW FIXTURES AS NOTES OR WITH SIMILAR TYPE FOR CEILING. CURRENTLY ALL CEILINGS ARE NOT SHOWN ON ELECTRICAL PLANS. LIGHT FIXTURES SHALL BE CONNECTED BACK TO THE SAME CIRCUIT/SWITCHING, UNO. WHERE NEW CIRCUITING IS SHOWN USING LESS CIRCUITS THAN EXISTED PREVIOUSLY, UNUSED CIRCUITS SHALL BE DEMOLISHED BACK TO LAST USED DEVICE OR

BREAKER. UPDATE PANEL SCHEDULES AS REQUIRED WITH NEW TYPE WRITTEN SCHEDULES. THIS CONTRACTOR WILL BE RESPONSIBLE FOR THEIR CUTTING AND PATCHING AND HIRING A QUALIFIED

CAPRENTER/CONTRACTOR TO PERFORM SAID CUTTING AND PATCHING. BUILDING IS REQUIRED TO BE OPEN FOR BUSINESS DURING OWNER'S NORMAL WORK SCHEDULE. THIS CONTRACTOR SHALL PROVIDE ANY PROTECTION REQUIRED FOR THE SAFETY OF OCCUPANTS WORKING IN RENOVATED AREAS. SHUTDOWNS WILL BE DONE AT NIGHT OR WEEKENDS (OUTSIDE OF OWNER'S NORMAL BUSINESS HOURS UNLESS OWNER APPROVED). SERVICES SHALL BE RESTORED BY NEXT BUSINESS DAYS OPERATING HOURS (PLUS ANY TIME THE OWNER NEEDS TO VERIFY ALL SYSTEMS ARE RESTORED). EXTENDED (LONG) SHUTDOWNS/OUTAGES SHALL BE PLANNED OVER LONGER WEEKENDS (HOLIDAYS) OR BREAKS (IF APPLICABLE). EC SHALL DISCONNECT ALL POWER TO EQUIPMENT OF OTHER TRADES DESIGNATED FOR RELOCATION. COORDINATE ALL

WORK REQUIRED WITH CONTRACTORS OF OTHER TRADES. COORDINATE PHASING OF EQUIPMENT OF OTHER TRADES WITH SPECIFIC CONTRACTORS AND GC. PERFORM ELECTRICAL WORK ASSOCIATED WITH EQUIPMENT AS REQUIRED BY PHASING PLAN BY OTHERS. EC SHALL ALSO COORDINATE WITH THEIR SUPPLIERS/VENDORS ON ANY PHASING TO ENSURE COSTS ARE IN BID (MULTIPLE STARTUPS, EXTRA COMPONENTS

TO ALLOW FOR PARTIAL OPERATION, ETC). COORDINATE ALL PHASING IN FIELD. WORK THAT CAUSES SERVICE DISRUPTIONS SHALL ONLY BE DONE DURING OFF HOURS. ALL SHUTDOWNS SHALL BE FIELD AND APPROVED BY OWNER PRIOR TO WORK PERFORMED (ALLOW TWO WEEKS

FOR OWNER TO APPROVE SUBMITTALS). COORDINATE PHASING OF EQUIPMENT OF OTHER TRADES WITH SPECIFIC CONTRACTORS AND GC. PERFORM ELECTRICAL

WORK ASSOCIATED WITH EQUIPMENT AS REQUIRED BY PHASING PLAN BY OTHERS. THIS CONTRACTOR SHALL SUBMIT A PRELIMINARY SCHEDULE WITH BID FOR PHASING WORK INDICATING MAJOR SHUTDOWNS PLANNED AND A GENERAL CONSTRUCTION TIMEFRAME. ANY AREAS WHERE FAILURE TO MEET A SHUDOWN WOULD CAUSE PROJECT EXTENSION SHALL BE NOTED TO THE COORDINATING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A DETAIL PHASED SCHEDULE WORKING WITH THE OTHER CONTRACTORS TO DERIVE AN OVERALL PROJECT SCHEDULE

ANY PHASING DOCUMENTS PROVIDED (ARCHITECTURALLY, MECHANICALLY, ETC AS PART OF THE BID SET) SHALL BE CONSIDERED PART OF THE ELECTRICAL CONTRACTORS DRAWINGS. REFER TO PHASING DOCUMENTS AS PART OF COORDINATION AND INSTALLATION OF WORK. ANY PHASING SCHEDULES AND OUTLINE NOTES ARE TO ASSIST THE CONTRACTOR IN THEIR BID TO HELP DETERMINE SHUTDOWNS (AND ANY ROUGH OUTLINES NOTED). METHOD OF PROCEDURES SHALL BE SUBMITTED WITH IDENTIFICATION OF EQUIPMENT, FLOORS, ETC IN THE OUTAGE TO THE OWNER AND ENGINEER FOR REVIEW AND OWNER APPROVAL. PHASING MAY BE ADJUSTED BUT MUST BE DOCUMENTED AND SIGNED OFF BY ALL TRADES, OWNER, AND ENGINEER (CONTRACTORS SHALL WORK TO DETERMINE A FULL PHASED SCHEDULE BASED ON EQUIPMENT ARRIVAL TO MEET THE FINAL FINISH DATE. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS ON METHOD OF PROCEDURES.

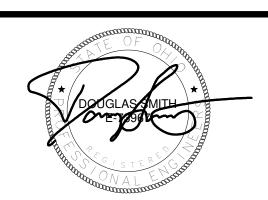
> INDEX OF ELECTRICAL DRAWINGS E000 ELECTRICAL LEGENDS ESU | ELECTRICAL SITE UTILITY PLAN E101 FIRST FLOOR LIGHTING PLAN E201 FIRST FLOOR POWER PLAN E500 SINGLE LINE DIAGRAM E501 ELECTRICAL SCHEDULES E601 ELECTRICAL DETAILS



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DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

12/17/21 | Revision 1 Permit/Bid Set 12/10/21 | Bid Set 11/12/21 | Permit Set

DESCRIPTION MARK DATE PROJECT NO: DOT-200023 DATE: 12/17/2021 DRAWN BY:

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SHEET TITLE

ELECTRICAL LEGENDS

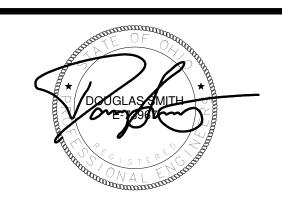
PLAN NOTES

PROVIDE FEED FROM LIGHTING INVERTER & EMERGENCY CIRCUIT EL1-27.



Jerome M. Scott
Architects
1020 Goodale Blvd
Columbus, Ohio
43212





DEL #21-179

DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

MARKDATEDESCRIPTIONPROJECT NO:DOT-200023DATE:12/17/2021DRAWN BY:DEL

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SHEET TITLE

FIRST FLOOR LIGHTING PLAN

ALL CONDUITS SHALL BE CONGEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 591.5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18" A.F.F.

2. ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.

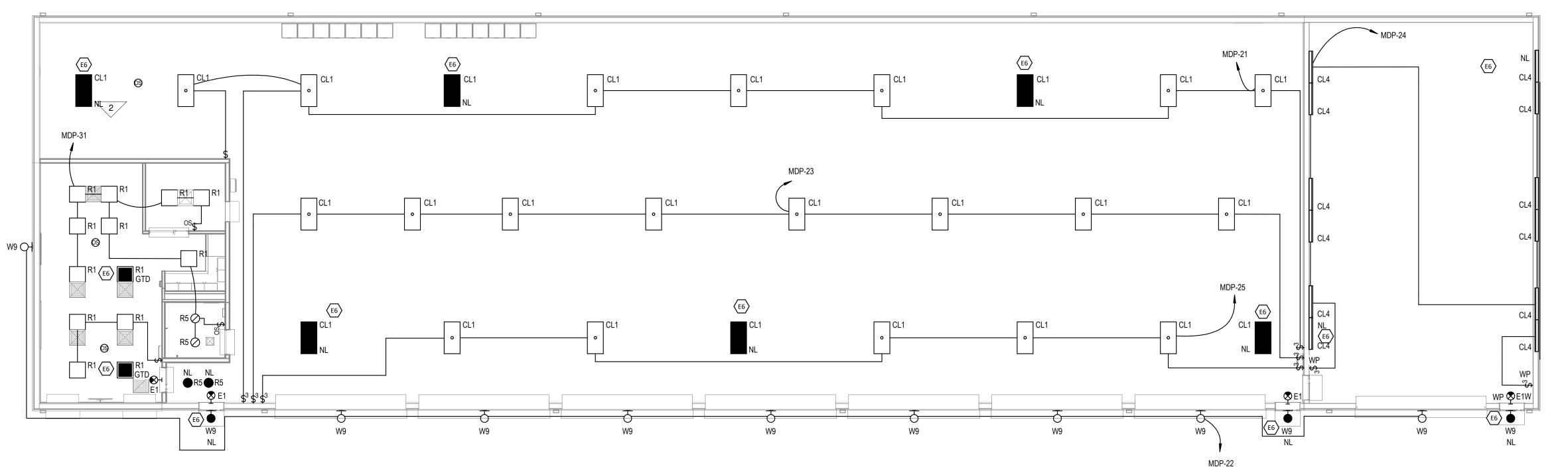
3. THE FUEL ISLAND SHALL BE CONSIDERED TO BE A CLASS 1. DIVISION 1 AND 2 LOCATION. ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC REQUIREMENTS, INCLUDING ARTICLES 501 AND 514. PROVIDE EXPLOSION PROOF SEALING FITTINGS AT EACH END OF ALL CONDUITS ORIGINATING AT THE FUEL ISLAND AS REQUIRED PER NEC ARTICLE 514.9.

4. ALL WIRING AND EQUIPMENT IN SPACES ABOVE CLASS 1. LOCATIONS, SHALL BE INSTALLED ACCORDING ALL FIXED WIRING ABOVE TO NEC 511.7 AND NEC 501 (NEC 511.7 A.1 ** CLASS 1 LOCATIONS SHALL BE INMETAL RACEWAYS, RIC, ENT. FIAC. LIQUIDITIGHT FIAC, LIQUIDITIGHT FIAC, LIQUIDITIGHT FIAC, LIQUIDITIGHT FIAC, DIE TYPE MC, A.C, MI, MANUFACTURED WIRING SYSTEMS, OR TYPE PLTC CABLE IN ACCORDANCE WITH ARTICLE 727. AND EQUIPMENT SHALL ALSO BE INSTALLED PER THE GOVERNING TECHNICAL SPECIFICATIONS.

5. CONTRACTOR SHALL COMPLY WITH ALL NEC 501 & 511 REQUIREMENTS, INCLUDING AND NOT LIMITED TO THOSE REQUIREMENTS SPECIFICALLY OUTLINED ON THESE PLANS.

6. ALL ELECTRICAL EQUIPMENT IN SPACES ABOVE CLASS 1. LOCATIONS, SHALL BE INSTALLED ACCORDING TO NEC 511.7 AND NEC 501 (NEC 511.7 B.1 a: ARCING EQUIPMENT, EQUIPMENT THAT IS LESS THAN 3.7m (12 FT) ABOVE THE FLOOR LEVEL THAT MAY PRODUCE ARCS. SPARKS, OR PARTICLES OF HOT METAL. SUCH AS CUTOUTS, SWITCHES CHARGING PANELS GENERATORS, MOTORS OR OTHER EQUIPMENT TEXCLUDING RECEPTAGLES, LAMPS AND LAMPHOLDERS FOR FIXED LIGHTING THAT IS LOCATED OVER LAMES THROUGH WHICH VEHICLES ARE COMMONLY DRIVEN OR THAT MAY OTHER PURPHENT FACULATIONS CES 11.7.8 I. TO FIXED LIGHTING THAT IS LOCATED OVER LAMES THROUGH WHICH VEHICLES ARE COMMONLY DRIVEN OR THAT MAY OTHER PURSES BE EXPOSED TO PHYSICAL DAMAGE SHALL BE LOCATED NOT LESS THAN 3.7m (12 FT) ABOVE THE FLOOR LEVEL, UNLESS OF THE TOTALLY LOCACIONS.

1.- IN WASH BAY ALL AREAS LOCATED BELOW 18" A.F.F. ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4





HAZARDOUS LOCATIONS (APPLIES TO ALL SHEETS):

HAZARDOUS LOCATIONS (APPLIES TO ALL SHEETS):

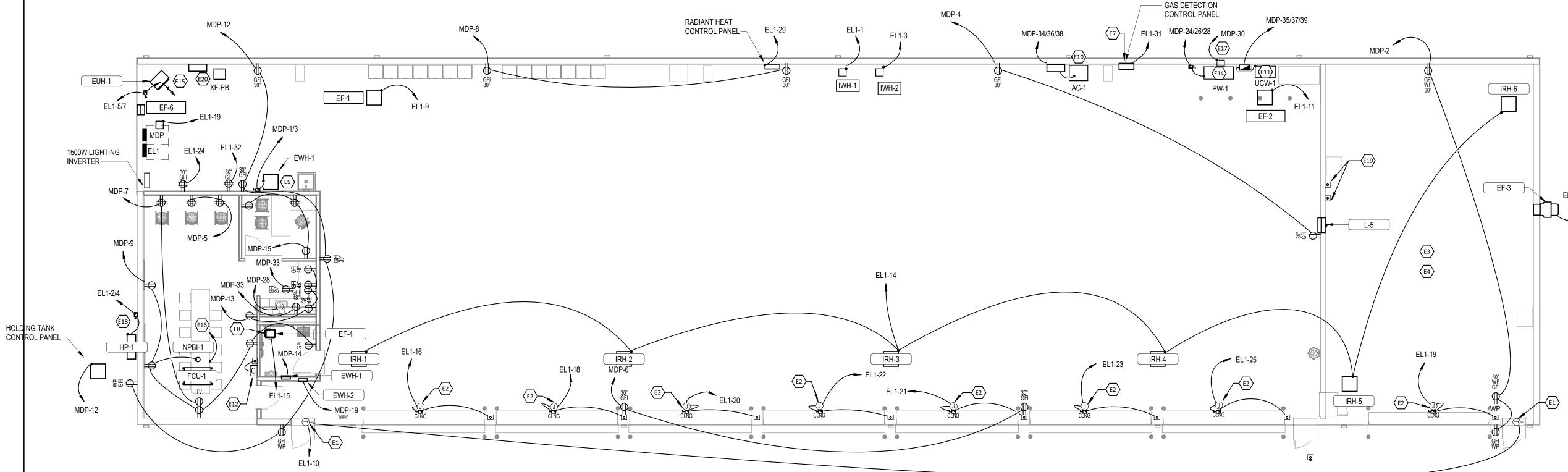
1 \ FIRST FLOOR POWER PLAN

- 1.- IN WASH BAY ALL AREAS LOCATED BELOW 18" A.F.F. ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4 ALL CONDUITS SHALL BE CONCEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 501.5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18" A.F.F.
- 2.- ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.
- 3.- THE FUEL ISLAND SHALL BE CONSIDERED TO BE A CLASS 1, DIVISION 1 AND 2 LOCATION. ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC REQUIREMENTS, INCLUDING ARTICLES 501 AND 514. PROVIDE EXPLOSION PROOF SEALING FITTINGS AT EACH END OF ALL CONDUITS ORIGINATING AT THE FUEL ISLAND AS REQUIRED PER NEC ARTICLE 514.9.

4.- ALL WIRING AND EQUIPMENT IN SPACES ABOVE CLASS 1 LOCATIONS, SHALL BE INSTALLED ACCORDING ALL FIXED WIRING ABOVE TO NEC 511.7 AND NEC 501.(NEC 511.7.A.1: CLASS 1 LOCATIONS SHALL BE IN METAL RACEWAYS, RNC, ENT, FMC, LIQUIDTIGHT FMC, LIQUIDTIGHT FNC, OR TYPE MC, AC, MI, MANUFACTURED WIRING SYSTEMS, OR TYPE PLTC CABLE IN ACCORDANCE WITH ARTICLE 725,) ALL WIRING TYPE TC OR ITC CABLE IN ACCORDANCE WITH ARTICLE 727. AND EQUIPMENT SHALL ALSO BE INSTALLED PER THE GOVERNING TECHNICAL SPECIFICATIONS.

5.- CONTRACTOR SHALL COMPLY WITH ALL NEC 501 & 511 REQUIREMENTS, INCLUDING AND NOT LIMITED TO THOSE REQUIREMENTS SPECIFICALLY OUTLINED ON THESE PLANS.

6.- ALL ELECTRICAL EQUIPMENT IN SPACES ABOVE CLASS 1 LOCATIONS, SHALL BE INSTALLED ACCORDING TO NEC 511.7 AND NEC 501. (NEC 511.7.B.1.a: ARCING EQUIPMENT. EQUIPMENT THAT IS LESS THAN 3.7m (12 FT) ABOVE THE FLOOR LEVEL THAT MAY PRODUCE ARCS, SPARKS, OR PARTICLES OF HOT METAL, SUCH AS CUTOUTS, SWITCHES CHARGING PANELS GENERATORS, MOTORS OR OTHER EQUIPMENT (EXCLUDING RECEPTACLES, LAMPS AND LAMPHOLDERS) HAVING MAKE-AND-BREAK OR SLIDING CONTACTS, SHALL BE OF THE TOTALLY ENCLOSED TYPE OR CONSTRUCTED SO AS TO PREVENT THE ESCAPE OF SPARKS OR HOT METAL PARTICLES. NEC 511.7.B.1.b: FIXED LIGHTING. LAMPS AND LAMPHOLDERS FOR FIXED LIGHTING THAT IS LOCATED OVER LANES THROUGH WHICH VEHICLES ARE COMMONLY DRIVEN OR THAT MAY OTHERWISE BE EXPOSED TO PHYSICAL DAMAGE SHALL BE LOCATED NOT LESS THAN 3.7m (12 FT) ABOVE THE FLOOR LEVEL, UNLESS OF THE TOTALLY ENCLOSED TYPE OR CONSTRUCTED SO AS TO PREVENT THE ESCAPE OF SPARKS OR HOT METAL PARTICLES.)



PLAN NOTES

DOOR CONTACTS, CARD READER AND

WIRING TO OVERHEAD DOOR OPERATOR,

REQUEST-TO-EXIT DEVICES.

SHALL BE SCHEDULE 40PVC.

SENSORS & CIRCUITRY.

DISCONNECT SWITCH.

FAN #3 IS RUNNING.

60A NF DISCONNECT SWITCH.

SWITCH FOR PRESSURE WASHER.

PRIOR TO ROUGH-IN.

ON SECONDARY.

CONTRACTOR.

THIS AREA.

DOOR ELECTRONICS - 120V, 1-PH. PROVIDE ALL INTERFACE WIRING BETWEEN ELECTRIC STRIKE,

OVERHEAD DOOR - 120V, 1-PH. PROVIDE 30A NF DISCONNECT SWITCH, POWER WIRING & CONTROL

PUSHBUTTON STATION & DOOR EDGE SAFETY SENSOR. OTHERS SHALL FURNISH PUSHBUTTON STATION FOR INSTALLATION BY ELECTRICAL

ALL CONDUIT, WIRING, FITTINGS, SEALS ETC. MUST

ALL CONDUIT AND ASSOCIATED JUNCTION BOXES

PROVIDE DUAL GAS MONITORING CONTROL PANEL SIMILAR TO ACME CEL SERIES MULTIPOINT &

MULTIGAS CENTRALIZED DETECTION AND CONTROL SYSTEM. INTERLOCK WITH EXHAUST FANS SHOWN

WIRE TO CORRESPONDING LIGHT CIRCUIT IN ROOM -

AIR COMPRESSOR - 208V. 3-PH. 15 HP. PROVIDE 100A

DISCONNECT SWITCH, PROVIDE (2) #4 CONDUCTORS

AND #8 GROUND IN 3/4" CONDUIT & WIRE COMPLETE.

PROVIDE 200A 1P NEMA 4X MOUNTED ADJACENT TO UNDERCARRIAGE WASHER PUMP SYSTEM.

CONNECT PUMP TO DISCONNECT SWITCH WITH

CONTACTOR IN THE INCOMING CIRCUIT TO ONLY

PROVIDE PUSHBUTTON "KILL" SWITCH AND 30A, 4 POLE FUEL SHUTOFF CONTACTOR IN READY ROOM AND LABEL ACCORDINGLY. WIRE TO GAS AND DIESEL FUEL PUMPS AT FUEL STATION. REFER TO

PRESSURE WASHER - 208V, 3-PH, 7.5 HP. PROVIDE 60A 3P NEMA 3R NF DISCONNECT SWITCH MOUNTED ADJACENT TO PRESSURE WASHER. CONNECT PRESSURE WASHER TO DISCONNECT SWITCH WITH SEALTIGHT FLEX & #8 WIRE. PROVIDE A CONTACTOR IN THE INCOMING CIRCUIT TO ONLY ALLOW THE PRESSURE WASHER TO BE ENERGIZED IF EXHAUST

ELECTRIC UNIT HEATER, 208V 1-PH, 5 KW. PROVIDE

PROVIDE CONNECTION TO FAN COIL UNIT. PROVIDE

ALL INTERCONNECT POWER WIRING AND CONTROL

WIRING FROM THE OUTDOOR UNIT TO THE INDOOR

DRAFT INDUCER FOR PRESSURE WASHER - 120V, 1-PH, 5.8A. EXTEND CIRCUIT TO COIL OF PILOT

HEAT PUMP - 208V, 1-PH, 26A. PROVIDE (2) #18 AND

PROVIDE WEATHERPROOF REMOTE SWITCH FOR

PRESSURE WASHER & UNDERCARRIAGE WASH

SYSTEM - COORDINATE LOCATION WITH OWNER

TRANSFORMER FOR 120/240V 1P PANEL IN POLE

BARN BUILDING - 15 KVA. 208V 1P PRI 240V 1P SEC -

PROVIDE 100A DISCONNECT SWITCH FUSED AT 60A

(1) #10 GND. PROVIDE 60A NEMA 3R NF DISCONNECT

SEALTIGHT FLEX AND #1 WIRE. PROVIDE A

ALLOW THE UNDERCARRIAGE PUMP TO BE

ENERGIZED IF EXHAUST FAN #3 IS RUNNING.

SITE UTILITY PLAN SHEET FOR LOCATION.

ON THE DRAWINGS. PROVIDE ALL CO & NO2

ELECTRIC WATER HEATER - 208V, 1-PH, 2.5KW.

PROVIDE (2)#10 AND (1) #10 GND. PROVIDE 30A NF

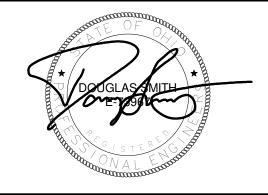
TO BE CONTROLLED WITH LIGHTING.

BE RATED FOR INSTALLATION IN A WET LOCATION IN

Jerome M. Scott Architects 1020 Goodale Blvd Columbus, Ohio 43212



A VEREGY COMPANY 855 Grandview Avenue, 3rd Floor Columbus, OH 43215 Phone: (614) 443-1178 Fax: (614) 443-1594 Email: dynamix@dynamix-ltd.com DEL #21-179



DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

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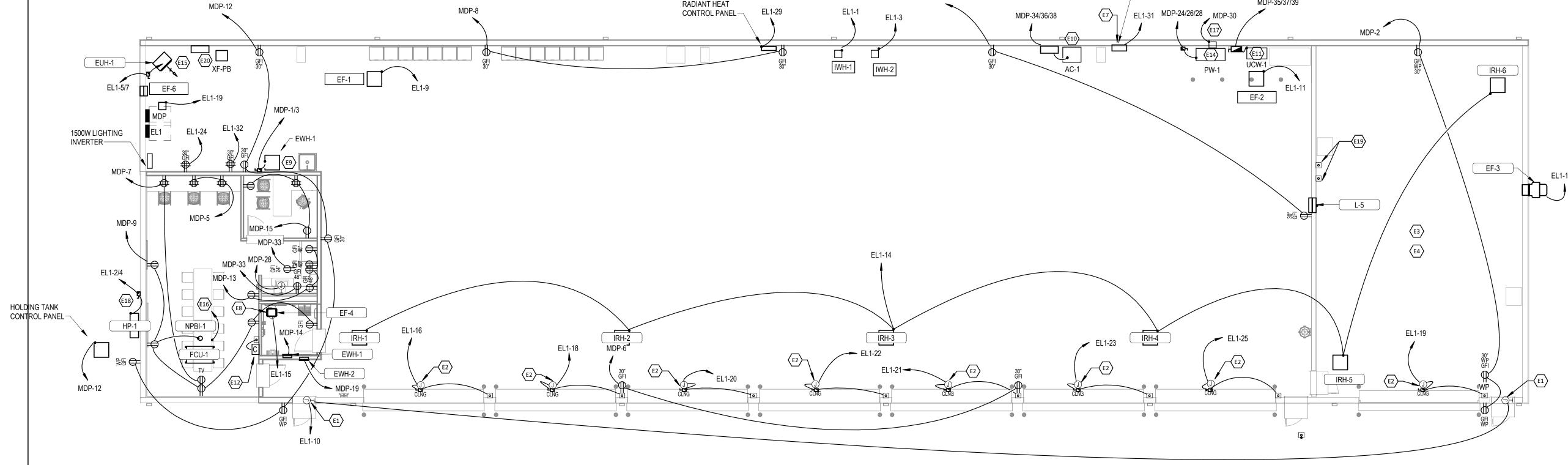
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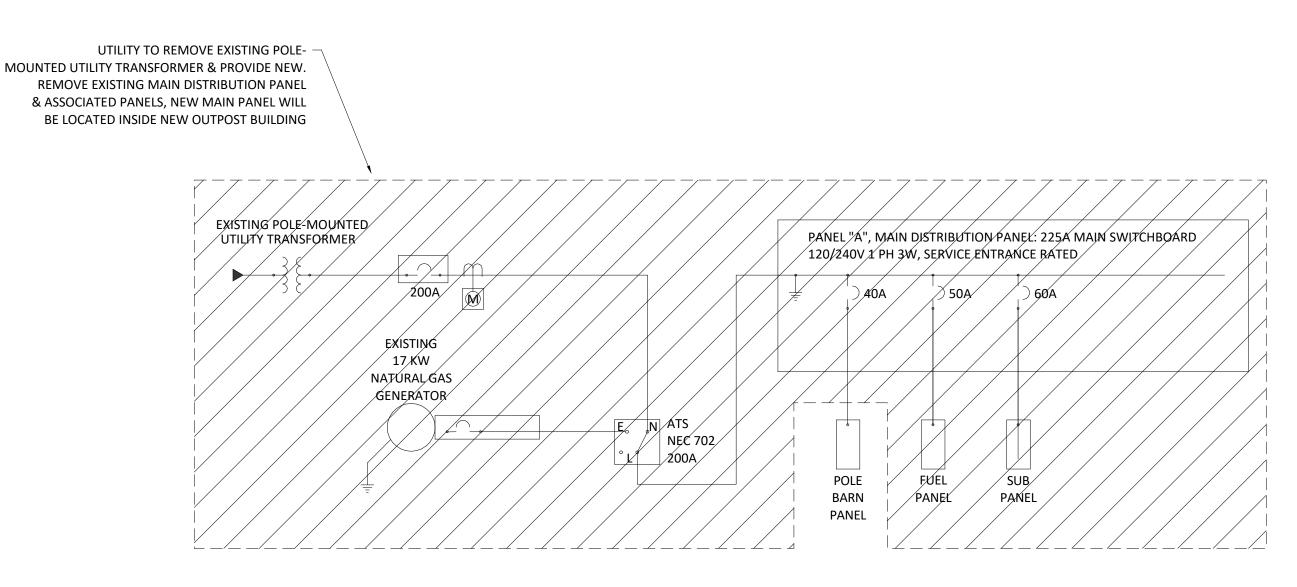
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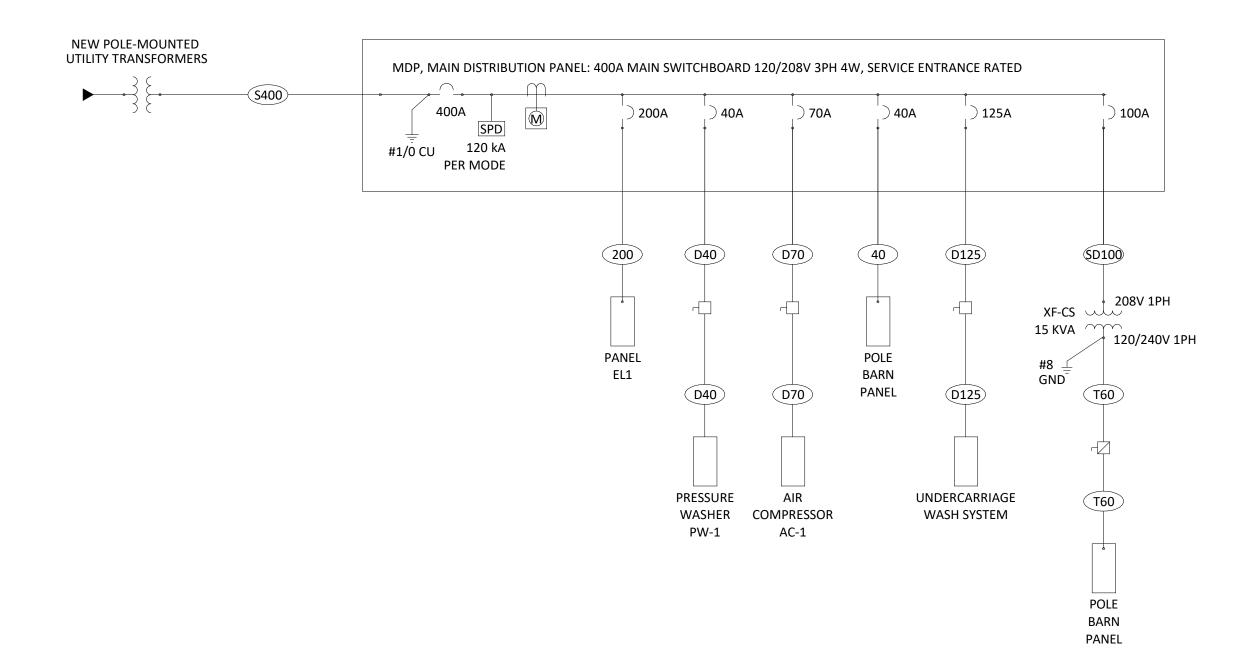
FIRST FLOOR POWER **PLAN**

E201

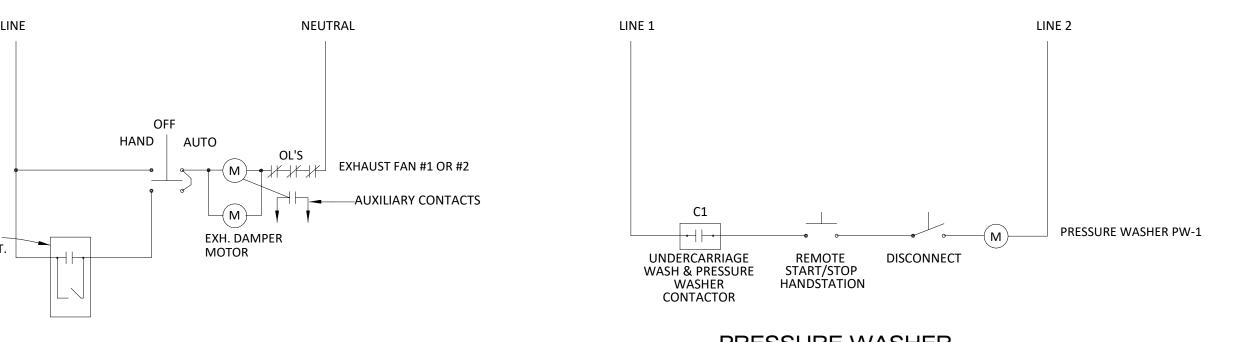




DEMO ELECTRICAL SINGLE-LINE DIAGRAM

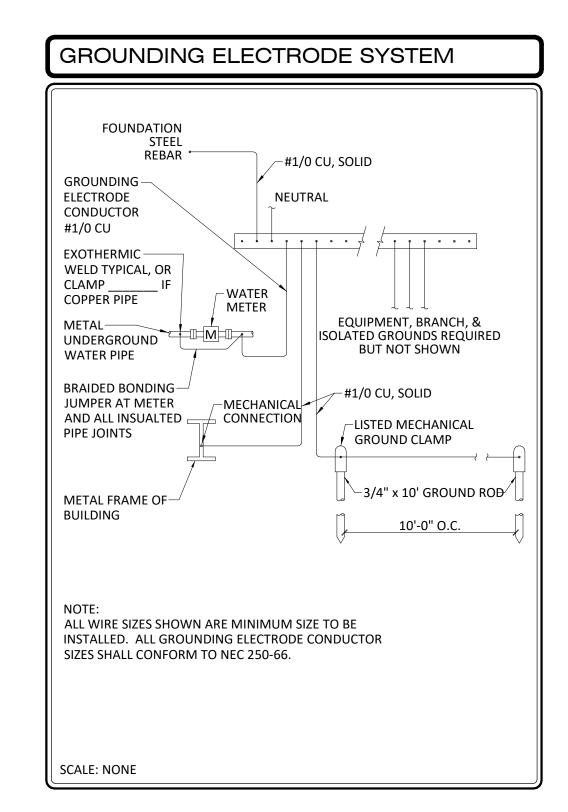


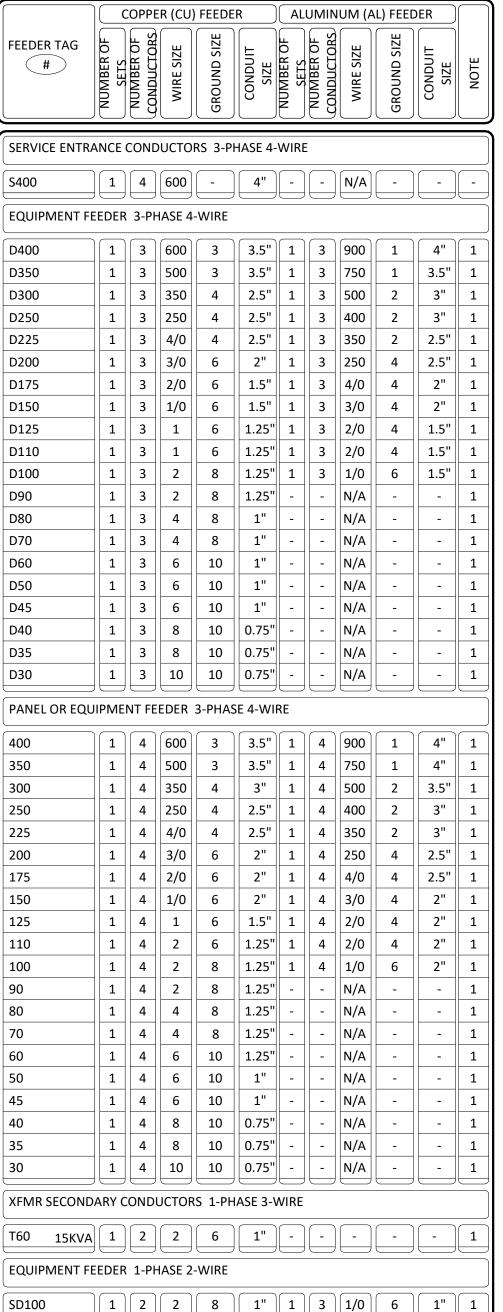
NEW ELECTRICAL SINGLE-LINE DIAGRAM



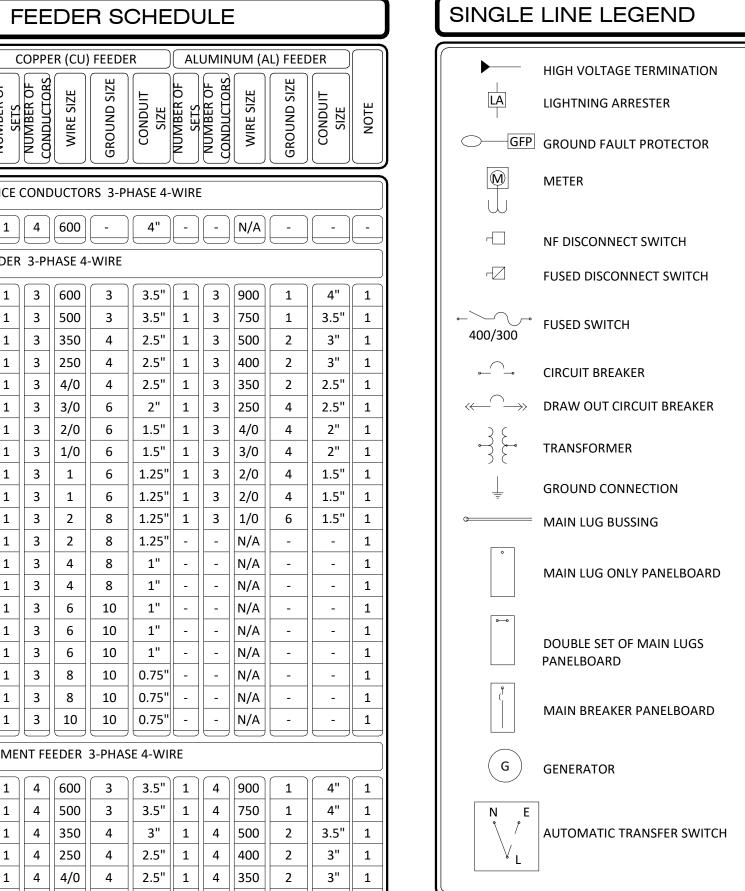
EF-1 & EF-2 CONTROL DIAGRAM

PRESSURE WASHER **CONTROL DIAGRAM**





1. FEEDER SHALL BE INSTALLED IN 1-HOUR FIRE RATED ASSEMBLY WHERE USED AS FEEDER CIRCUIT FOR EMERGENCY SYSTEM(NEC 700.9D). 2. FEEDER SHALL BE INSTALLED IN 2-HOUR FIRE RATED ASSEMBLY (NEC 695.6). MI CABLE OR SUITABLE FIRE-RESISTANT CABLE MAY BE USED AT CONTRACTORS OPTION.

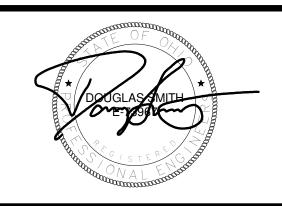




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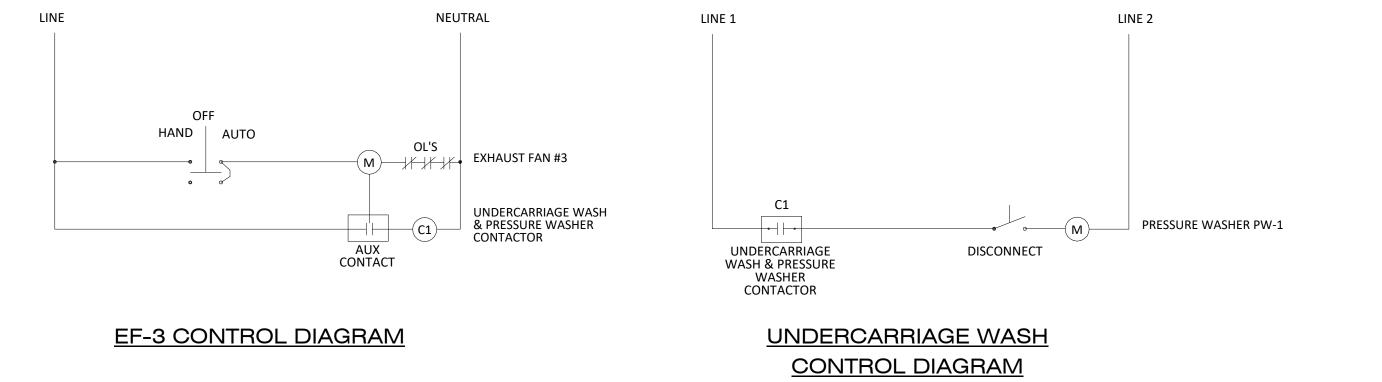
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SHEET TITLE

MARK DATE

SINGLE LINE DIAGRAM



																			_				_	
					VOL	TAG	E			STA				\vdash	CON	INEC		1EAI	NS	C	ТИС	RC	L	
EQUIPMENT DESIGNATION	EQUIPMENT SERVED	HP (KVA)	NOTES	120V-1PH	208V-1PH	208V-3PH 277V-1PH	480V-3PH	NEMA SIZE	MAGNETIC	AND CONTACTOR	VAR FREQ DRIVE	INTEGRAL OVERLD	SEE NOTE FURNISHED BY	DISCONNCET SW	MANUAL STARTER	STARTER/DISC	SWITCH OR BRKER		FURNISHED BY	MANUAL	INTEGRAL		FURNISHED BY	FEEDER SIZE
							$\overline{\Box}$																$\overline{}$	
EF-1	EXHAUST FAN #1	1.5		٥								0	EC				0	5	EC	0		2	EC	2 - #10, 1 - #10 GRD, 3/4" C
EF-2	EXHAUST FAN #2	1.5		٥								٥	EC				0	5	EC	0		2	EC	2 - #10, 1 - #10 GRD, 3/4" C
EF-3	EXHAUST FAN #3	1/4		٥								٥	EC				0	5	EC	0		1	EC	2 - #10, 1 - #10 GRD, 3/4" C
EF-4	EXHAUST FAN #4	(.128)		٥								٥	EC				0	5	EC	0		7	EC	2 - #10, 1 - #10 GRD, 3/4" C
EF-5	EXHAUST FAN #5	1/4		٥								0	EC				٥	5	EC	0		3	EC	2 - #10, 1 - #10 GRD, 3/4" C
FCU-1	FAN COIL UNIT #1	2.88A			0							0	НС	0				6	EC		0	ı	HC	2 - #10, 1 - #10 GRD, 3/4" C
HP-1	HEAT PUMP #1	26A			0							0	НС	0				4	EC		0	ı	HC	2 - #8, 1 - #10 GRD, 3/4" C
EWH-1	ELECTRIC WALL HEATER #1	(1.5)		0								0	НС	0				-	НС		0	I	НС	2 - #10, 1 - #10 GRD, 3/4" C
EWH-2	ELECTRIC WALL HEATER #2	(1.5)		٥								0	НС	٥				ı	НС		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
EUH-1	UNIT HEATER #1	(5)			0							0	НС	0					EC		0	I	НС	2 - #8, 1 - #10 GRD, 3/4" C
IRH-1	INFRARED HEATER #1	.3A		0								0	НС		c	,			EC		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
IRH-2	INFRARED HEATER #2	.3A		0								0	НС		c	,			EC		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
IRH-3	INFRARED HEATER #3	.3A		0								0	НС		c				EC		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
IRH-4	INFRARED HEATER #4	.3A		٥								0	НС		c				EC		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
IRH-5	INFRARED HEATER #5	.3A		٥								٥	НС		c				EC		0	ı	НC	2 - #10, 1 - #10 GRD, 3/4" C
IRH-6	INFRARED HEATER #6	.3A		٥		-						0	НС		c				EC		0	I	НC	2 - #10, 1 - #10 GRD, 3/4" C
EH-1	ELECTRIC WATER HEATER #1	(2.5)			0	$\frac{1}{2}$						0	НС		c	,			EC		0	I	НС	2 - #10, 1 - #10 GRD, 3/4" C

1.- INTERLOCK WITH HUMIDISTAT WITH A TIME DELAY FEATURE.

2.- REFER TO CONTROL DETAILS. 3.- PROVIDE ELECTRONIC TIMER SWITCH.

4. PROVIDE 60A 3P 250V DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE.

5.- PROVIDE A MOTOR RATED TOGGLE SWITCH ADJACENT TO EQUIPMENT.

6.- FCU-1 FED FROM OUTDOOR UNIT HP-1. 7.- CONNECT TO RESTROOM LIGHT CIRCUIT.

			LIGHTING FIXTURE	S			
				LAMPS	MOUNTING OPTIONS AC - AIRCRAFT CABLE		E(S)
FIXTURE	VOLTAGE	MANUFACTURER AND CATALOG NUMBER	FIXTURE DESCRIPTION	CATALOG NUMBER	C - CHAIN CM - CEILING MOUNT P - STEM R - RECESSED S - SURFACE UC - UNDER CABINET W - WALL UV - UNIVERSAL	APPROVED EQUALS	REFER TO NOTE(
E1	120	LITHONIA LQMSW3R-120/277	THERMO PLASTIC LED EXIT W/ RED LETTERS	3W LED	S	DUAL-LITE, CHLORIDE, SURE-LITES	
E1W	120	TLS CEX-L	THERMO PLASTIC LED EXIT W/ RED LETTERS, WASHDOWN AREA	6W LED	S	DUAL-LITE, CHLORIDE, SURE-LITES	
R1	120	LITHONIA 2GTI 2 40I GZ10 LP840	2X2 LED LAY-IN TROFFER WITH ACRYLIC LENS	35W LED	R	COLUMBIA, METALUX, DAY-BRITE	
CL1	120	LITHONIA IBH-9000LM-SD080-MD-MVOLT-OZ10-40K-80CRI-LAOZU	HIGH BAY RECTANGULAR LED FIXTURE, ACRYLIC LENS. 9,000 MIN. LUMENS, DAMP LOCATION, CHAIN HUNG, 4000K, 360 MOTION SENSOR 120V	112W LED	С	COLUMBIA, METALUX, DAY-BRITE	2
C1	120	LITHONIA LDN6 40/15 LO6AR LSS MVOLT GZ10	6" DOWNLIGHT, 4000K, 1500 LUMENS	22.5W LED	С	COLUMBIA, METALUX, DAY-BRITE	
W9	120	GARDCO 101L-32L-530-NW-G1-4-UNV-BZ	POLYCARBONATE LED WALL PACK, TYPE IV DIST, BRONZE FINISH	27W LED	W	LITHONIA, KIM, LUMARK	1
CL4	120	FEM L48 6000LM IMAFD MD MVOLT GZ10 40K 80CRI WLF STSL	4' ENCLOSED GASKETED, WET LOCATION FIXTURE WITH ACRYLIC LENS 6000 LUMENS, CHAIN HUNG, STAINLESS STEEL LATCHES, 80 CRI	37.2W LED	С	COLUMBIA, METALUX, DAY-BRITE	2
SP1	120	RAB X34-150L SF U	DIRECTIONAL SPOTLIGHT, SLIPFITTER MOUNT, 18,000 LÚMENS, 80 CRI, 5000K, BRONZE	160W LED	С	COLUMBIA, METALUX, DAY-BRITE	2

1.- PROVIDE WITH INTEGRAL PHOTOCELL.
2.- COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.

MDP 83:N36 12/9/2021 10:54:12 AM			F	PANE	EL:		MDF)				
	CONN. LOAD:	101.4	KW	DEMAN	ID LOAD):		100.8	KVA			NF TYPE
		281.5	AMPS					279.8	AMPS			SQUARE D
MAIN:	400A MLO	V	OLTAGE:	208	120	, 3P	H, 4W.			AIC:	25,000	
MTG:	SURFACE	LOCA	TION:	MEP AR	REA						NEMA 1	
LOAD	REMARKS	KW	BKR.	OPT		IT NU D PH	JMBER ASE	OPT	BKR.	KW	REMARKS	LOAD
Н	EH-1	1.25	20/2		1	Α	2		20/1	0.54	WASH BAY RCPTS	R
Н	1	1.25			3	В	4		20/1	0.36	TRUCK STORAGE RCPTS	R
R	READY ROOM RCPTS	0.72	20/1		5	С	6		20/1	0.36	TRUCK STORAGE RCPTS	R
R	READY ROOM RCPTS	0.90	20/1		7	Α	8		20/1	0.36	TRUCK STORAGE RCPTS	R
R	READY ROOM RCPTS	0.90	20/1		9	В	10		20/1	0.90	TRUCK STORAGE RCPTS	R
R	KITCHENETTE RCPTS	0.54	20/1		11	С	12		20/1	0.50	HOLDING TANK CTRL PNL	S
R	KITCHENETTE RCPTS	0.72	20/1		13	Α	14		20/1	1.50	EWH-1	Н
R	OFFICE RCPTS	0.72	20/1		15	В	16		125/2	7.50	POLE BARN PANEL	S
R	MICROWAVE	1.20	20/1		17	С	18			7.50	TRANSFORMER 15 KVA	S
Н	EWH-2	1.50	20/1		19	Α	20		20/1	1.54	WASH BAY LTS	L
L	TRUCK STORAGE LTS	0.63	20/1		21	В	22		20/1	0.22	EXTERIOR LTS	L
L	TRUCK STORAGE LTS	0.63	20/1		23	С	24		40/3	2.04	PRESSURE WASHER	M
L	TRUCK STORAGE LTS	0.63	20/1		25	Α	26			2.04		M
	SPARE		20/1		27	В	28			2.04		M
	SPARE		20/1		29	С	30		20/1	0.70	PW DRAFT INDUCER	M
L	OFFICE LTS	0.55	20/1		31	Α	32		20/1		SPARE	
М	GARBAGE DISPOSAL	0.56	20/1		33	В	34		70/3	3.73	AIR COMPRESSOR	M
М	UNDERCARRIAGE WASH	6.21	125/3		35	С	36			3.73		M
М	SYSTEM	6.21			37	Α	38			3.73		M
М	1	6.21			39	В	40		20/1		SPARE	
	SPARE		20/1		41	С	42		20/1		SPARE	
	SPARE		20/1		43	Α	44		20/1		SPARE	
	SPARE		20/1		45	В	46		20/1		SPARE	
	SPARE		20/1		47	С	48		20/1		SPARE	
	SPARE		20/1		49	Α	50		200/3		PANEL EL1	
	SPARE		20/1		51	В	52					
	SPARE		20/1		53	С	54		1		1	

EL1 B3:N36 12/9/2021 10:54:12 AM			F	PANI	EL:		EL1					
	CONN. LOAD:	30.8	KW	DEMAN	ND LOAD	:		31.2	KVA			NF TYI
		85.5	AMPS					86.7	AMPS			SQUARE D
MAIN:	200A MLO	V	DLTAGE:	208	120	, 3PI	H, 4W.			AIC:	25,000	
MTG:	SURFACE	LOCA	TION:	MEP AF	REA		•				NEMA 1	
LOAD	REMARKS	KW	BKR.	OPT	CIRCU	IT NU D PH		OPT	BKR.	KW	REMARKS	LOAD
Н	IWH-1	0.18	20/1		1	Α	2		40/2	2.43	HP-1	ı
Н	IWH-2	0.18	20/1		3	В	4			2.43		I
Н	EUH-1	2.50	40/2		5	С	6		20/1		SPARE	
Н		2.50			7	Α	8		20/1		SPARE	
М	EF-1	1.19	20/1		9	В	10		20/1	0.50	ELECTRONIC LOCKS	
М	EF-2	1.19	20/1		11	C	12		20/1	0.50	CARD READER	
М	EF-3	0.19	20/1		13	Α	14		20/1	0.25	IRH-1 THRU IRH-6	I
М	EF-4	0.13	20/1		15	В	16		20/1	0.37	TRUCK STORAGE DOOR	ľ
М	EF-5	0.19	20/1		17	С	18		20/1	0.37	TRUCK STORAGE DOOR	ľ
М	WASH BAY DOOR	0.37	20/1		19	Α	20		20/1	0.37	TRUCK STORAGE DOOR	ľ
М	TRUCK STORAGE DOOR	0.37	20/1		21	В	22		20/1	0.37	TRUCK STORAGE DOOR	ľ
М	TRUCK STORAGE DOOR	0.37	20/1		23	C	24		20/1	1.20	TECH PANEL	
М	TRUCK STORAGE DOOR	0.37	20/1		25	Α	26		20/1	0.25	FUEL ISLAND LTS	
L	EMERGENCY LIGHTING	1.50	20/1		27	В	28		20/1	0.50	GAS DISPENSER	
R	RADIANT HEAT CTRL PNL	0.80	20/1		29	C	30		20/1	0.50	DIESEL DISPENSER	
R	GAS DETECTION PANEL	0.50	20/1		31	Α	32		20/1	1.00	SECURITY PANEL	
M	GATE CONTROL	0.50	20/1		33	В	34		20/1	0.50	FUEL E-STOP	
М	WELL PUMP	1.24	30/3		35	С	36		20/2	1.25	BRINE MAKER	
М		1.24			37	Α	38			1.25		
М		1.24			39	В	40		20/1		SPARE	
	SPARE		20/1		41	С	42		20/1		SPARE	
	SPARE		20/1		43	Α	44		20/1		SPARE	
	SPARE		20/1		45	В	46		20/1		SPARE	
	SPARE		20/1		47	С	48		20/1		SPARE	
	SPARE		20/1		49	Α	50		20/1		SPARE	
	SPARE		20/1		51	В	52		20/1		SPARE	
	SPARE		20/1		53	C	54		20/1		SPARE	

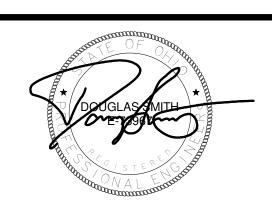
N:\projects\2021\21-178 ODOT D8 Eaton Outpost\04_Design\26_Elec_FA\Eaton Panel 3ph.xls



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DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

DESCRIPTION

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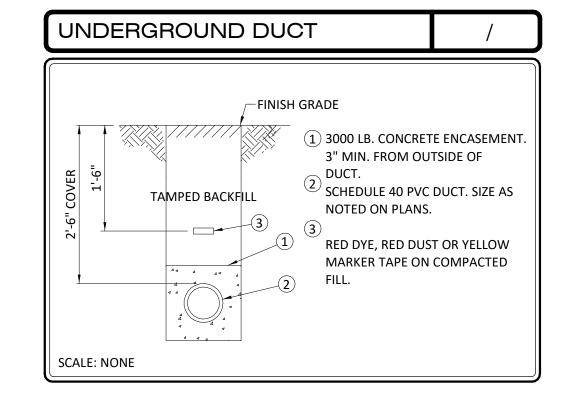
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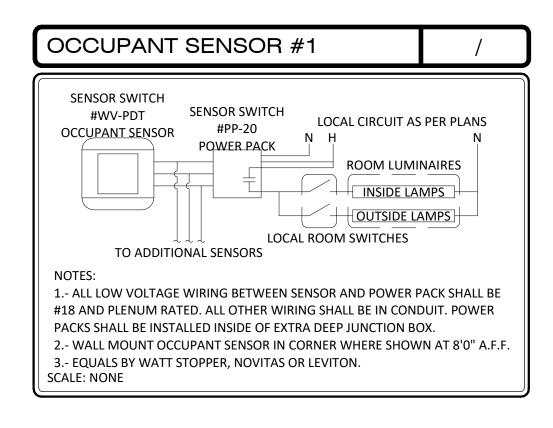
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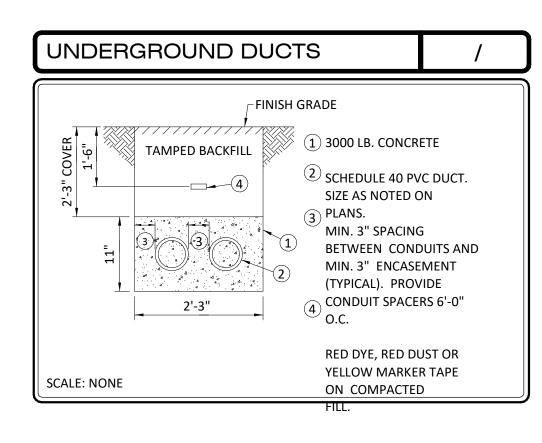
SHEET TITLE

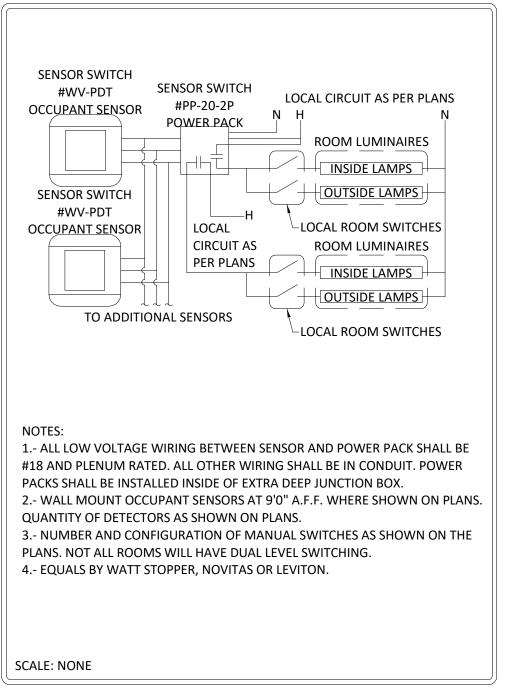
MARK DATE

ELECTRICAL SCHEDULES

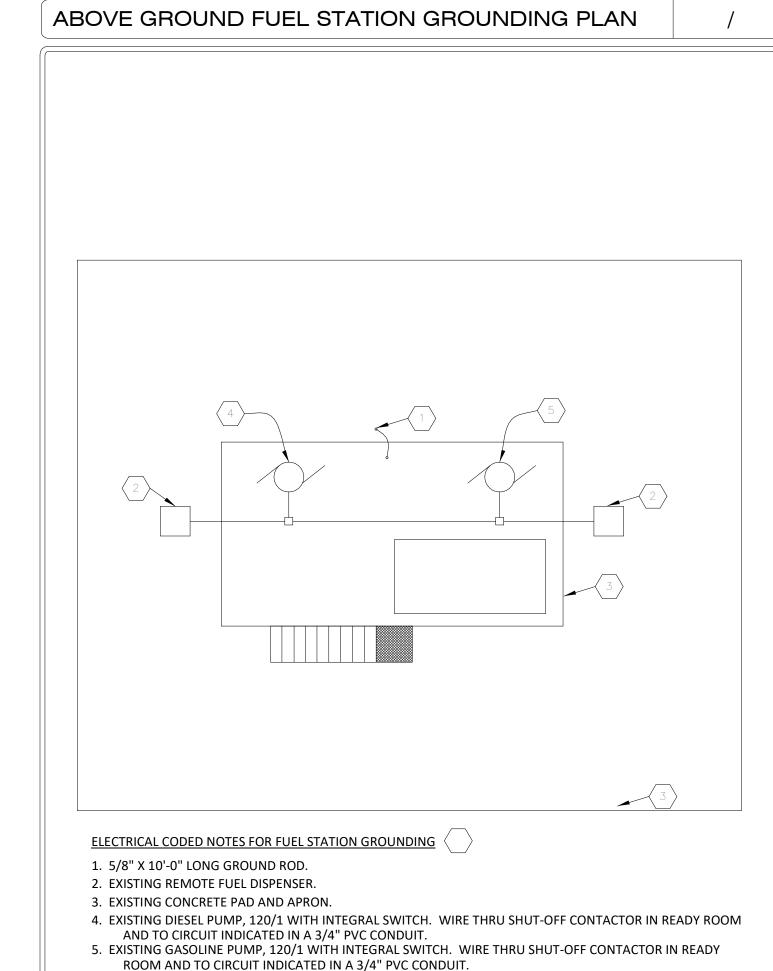








OCCUPANT SENSOR #2



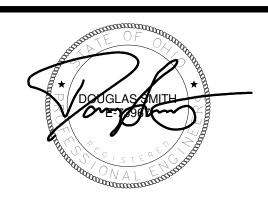


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DEL #21-179



DOT-200023 ODOT -EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set

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DATE:

DRAWN BY:

ELECTRICAL DETAILS

F601

TECHNOLOGY PATHWAYS LEGEND

SYMBOL	SECTION	DESCRIPTION	BACKBOX REQUIREMENT	CONDUIT REQUIREMENT	MNT HGT
TMGB	270500	TELECOMMUNICATIONS MAIN GROUND BAR (TMGB).	N/A	N/A	72" AFF
TGB	270500	TELECOMMUNICATIONS GROUND BAR (TGB).	N/A	N/A	72" AFF
[—]	DIV 26	TELECOMMUNICATIONS SLEEVE OR CONDUIT, SIZE AND QUANTITY AS INDICATED ON DRAWINGS.	N/A	REFER TO DRAWINGS	ABOVE CEILING
Ψ	DIV 26	TELECOMMUNICATIONS JUNCTION BOX, 4" SQUARE W/COVER, UNLESS NOTED OTHERWISE.	N/A	REFER TO DRAWINGS	VARIES

STRUCTURED CABLING LEGEND

SYMBOL	SECTION	DESCRIPTION	BACKBOX REQUIREMENT	CONDUIT REQUIREMENT	MNT HGT
□ 1D	271500	DATA OUTLET (WALL). "#D" INDICATES QUANTITY OF OUTLETS REQUIRED. REFER TO THE FACEPLATE DETAILS FOR ADDITIONAL INFORMATION.	3-1/2" DEEP, SINGLE GANG BACKBOX	(1) 1" CONDUIT TO NETWORK CABINET	16" AFF OR AS NOTED
\Box	271500	VoIP OUTLET. REFER TO THE FACEPLATE DETAILS.	3-1/2" DEEP, SINGLE GANG BACKBOX	(1) 1" CONDUIT TO NETWORK CABINET	16" AFF OR AS NOTED
1 D1V	271500	DATA & VOICE OUTLET (WALL). "#D" & "#V" INDICATE QUANTITY OF OUTLETS REQUIRED. REFER TO THE FACEPLATE DETAILS.	3-1/2" DEEP, SINGLE GANG BACKBOX	(1) 1" CONDUIT TO NETWORK CABINET	16" AFF OR AS NOTED
⊲w	271500	VoIP WALL PHONE OUTLET. REFER TO THE FACEPLATE DETAILS.	3-1/2" DEEP, SINGLE GANG BACKBOX	(1) 1" CONDUIT TO NETWORK CABINET	44" AFF
Ţ	271500	TV OUTLET WITH TV. REFER TO THE FACEPLATE DETAILS AND A/V SYSTEM DETAILS FOR ADDITIONAL INFORMATION.	3-1/2" DEEP, SINGLE GANG BACKBOX	(1) 1" CONDUIT TO NETWORK CABINET	AS NOTED
AP	271500	WIRELESS ACCESS POINT OUTLET. REFER TO THE FACEPLATE DETAILS FOR ADDITIONAL INFORMATION.	2-PORT BISCUIT BLOCK	N/A	ABOVE CEILING
(S)	271500 275123	WALL MOUNTED PAGING HORN.	N/A	(1) 1" CONDUIT TO NETWORK CABINET	10'-0" AFF
<u>د</u>		,	,	,	

SECURITY SYSTEMS LEGEND

S	YMBOL	SECTION	DESCRIPTION	BACKBOX REQUIREMENT	CONDUIT REQUIREMENT	MNT HGT
	PR L	DIV 26	SECURITY SYSTEM PROXIMITY CARD READER. ROUGH-IN ONLY.	REFER TO THE SECURITY SYSTEM ROUGH-IN DETAILS	(1) 3/4" CONDUIT WITH PULL STRING TO SECURITY EQUIPMENT	44" AFF
	EL	DIV 26	ELECTRIC LOCK PROVIDED BY THE DOOR HARDWARE SUPPLIER. ROUGH-IN ONLY.	REFER TO THE SECURITY SYSTEM ROUGH-IN DETAILS	(1) 3/4" CONDUIT WITH PULL STRING TO SECURITY EQUIPMENT	N/A
	DC	DIV 26	SECURITY SYSTEM DOOR CONTACT. ROUGH-IN ONLY.	REFER TO THE SECURITY SYSTEM ROUGH-IN DETAILS	(1) 3/4" CONDUIT WITH PULL STRING TO SECURITY EQUIPMENT	N/A
	REX	DIV 26	REQUEST TO EXIT DEVICE. ROUGH-IN ONLY.	REFER TO THE SECURITY SYSTEM ROUGH-IN DETAILS	(1) 3/4" CONDUIT WITH PULL STRING TO SECURITY EQUIPMENT	N/A
	D -	DIV 26	WALL MOUNTED CCTV CAMERA. ROUGH-IN ONLY.	REFER TO THE SECURITY SYSTEM ROUGH-IN DETAILS	(1) 3/4" CONDUIT WITH PULL STRING TO SECURITY EQUIPMENT	FIELD COORDINATE

TECHNOLOGY GENERAL NOTES

ANY ADDITIONAL SLEEVES AND/OR PENETRATIONS REQUIRED FOR THE INSTALLATION OF LOW VOLTAGE SYSTEM CABLING NOT SHOWN ON THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING THE LOW VOLTAGE

UNDER NO CIRCUMSTANCES SHALL ANY LOW VOLTAGE SYSTEM'S CABLES BE LOCATED IN A PATHWAY CONTAINING ANY

- OTHER SYSTEM'S CABLING. PROVIDE FIRE-RATED SLEEVES AT ALL FIRE WALL PENETRATIONS AND WALL PENETRATIONS WHERE THE WALL EXTENDS ALL THE WAY TO THE DECK ABOVE. REFER TO THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DEVICE LOCATIONS AND MOUNTING HEIGHTS WHEN LOCATED AT
- OR ABOVE CASEWORK. COORDINATE EXACT DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONDUITS AND PULLBOXES SHALL CONFORM TO THE LATEST EDITION OF EIA/TIA/568. IN GENERAL, CONDUITS SHALL:
- a. NOT HAVE MORE THAN (2) 90-DEGREE BENDS BETWEEN PULL POINTS. b. NOT HAVE MORE THAN 100' BETWEEN PULL POINTS.
- c. NOT HAVE A PULLBOX INSTALLED IN PLACE OF A 90-DEGREE BEND. ALL CONDUITS SHALL BE BUSHED AT BOTH ENDS AND PROVIDED WITH A PULL STRING FOR FUTURE CABLE PLACEMENT. CONDUITS SCHEDULED TO BE STUBBED ABOVE THE CEILING SHALL BE TERMINATED PERPENDICULAR TO THE WALL SURFACE.
- CONDUITS SHALL TERMINATE ABOVE THE EDGE OF THE CABLE TRAY. IN ROOMS WITH OPEN CEILINGS, CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS. ANGLED

CONDUITS SCHEDULED TO BE ROUTED TO THE CABLE TRAY SHALL EXIT THE WALL CAVITY PERPENDICULAR TO THE SURFACE.

- CONDUITS WILL NOT BE PERMITTED. CONTRACTORS SHALL FIELD COORDINATE ALL DEVICE LOCATIONS PRIOR TO SURFACE MOUNTING EMT CONDUITS OR RACEWAY. ANY LOW VOLTAGE CABLING IN AN OPEN-CEILING AREA (EXAMPLE: GARAGE) SHALL BE INSTALLED WITHIN CONDUIT BACK TO
- AN ACCESSIBLE CEILING WITH CABLE TRAY. ALL CONDUIT SHALL BE PAINTED TO MATCH THE SURROUNDING AREAS. CABLING ASSOCIATED WITH THE WIRELESS ACCESS POINTS SHALL BE PROVIDED WITH A COIL OF CABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LOCATIONS OF THE WIRELESS ACCESS POINTS, AS REQUIRED, AFTER
- CONDUCTING A SITE VERIFICATION SURVEY TO ENSURE COVERAGE THROUGHOUT THE FACILITY. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH ALL FINAL OUTLET LABELING SHOWN ON THE FLOOR PLANS.
- VOICE/DATA OUTLETS ARE TO BE WITHIN 6" OF AN ELECTRICAL POWER RECEPTACLE. ALL HORIZONTAL AND BACKBONE LOW VOLTAGE CABLING SHALL BE INSTALLED IN CONDUIT.

TECHNOLOGY ABBREVIATIONS

AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR - HEIGHT TO BOTTOM
CAT	CATEGORY
ER	EQUIPMENT ROOM
MH	MOUNTING HEIGHT - HEIGHT TO CENTER
MM	MULTIMODE FIBER OPTIC CABLE
RU	RACK UNITS
SM	SINGLE MODE FIBER OPTIC CABLE
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
V	INTEGRATED VOLUME CONTROL
VoIP	VOICE OVER INTERNET PROTOCOL
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
3	PLAN NOTE SYMBOL (APPLIES TO ENTIRE SHEET)
(1)	DETAIL NOTE SYMBOL (APPLIES ONLY TO DETAIL)

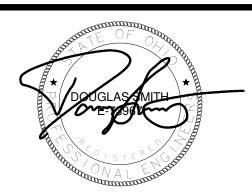
SYSTEMS SHEET INDEX					
T000	TECHNOLOGY LEGENDS				
T001	TECHNOLOGY FACEPLATE DETAILS				
T002	TECHNOLOGY DETAILS				
T003	TECHNOLOGY DETAILS				
TSU	TECHNOLOGY SITE UTILITY PLAN				
T101	FIRST FLOOR TECHNOLOGY PLAN				



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DOT-200023 ODOT -**EATON OUTPOST**

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 | Permit Set

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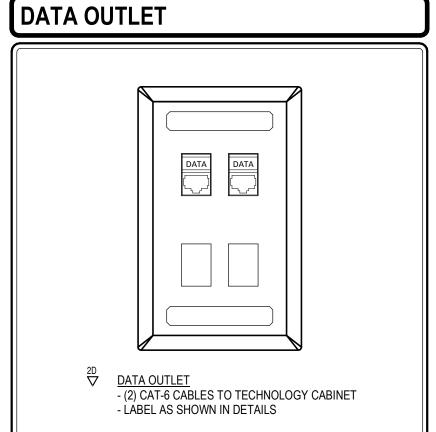
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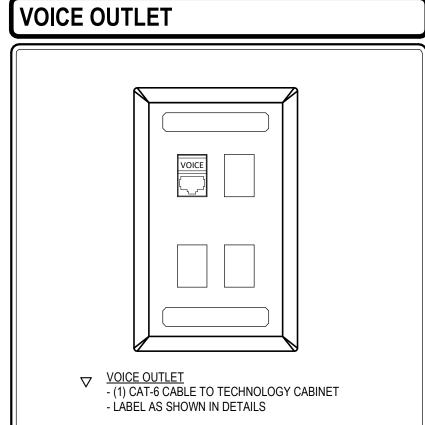
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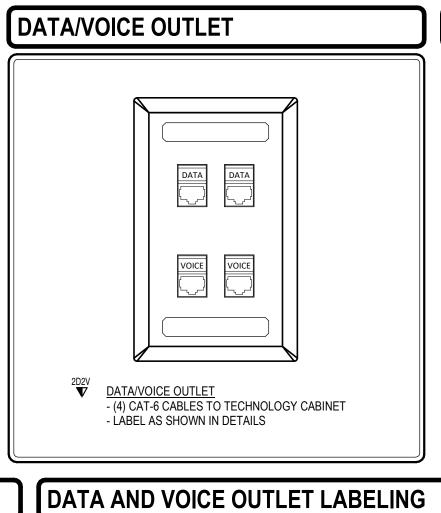
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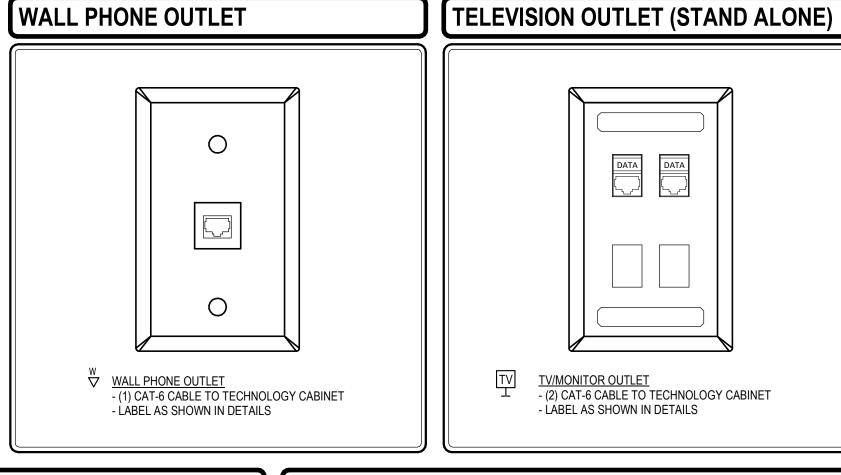
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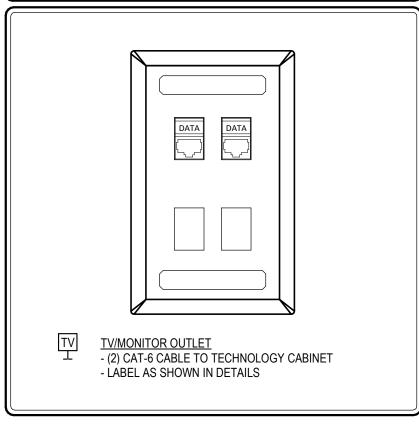
TECHNOLOGY LEGENDS

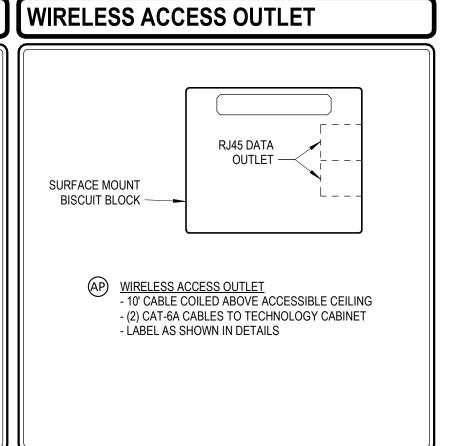


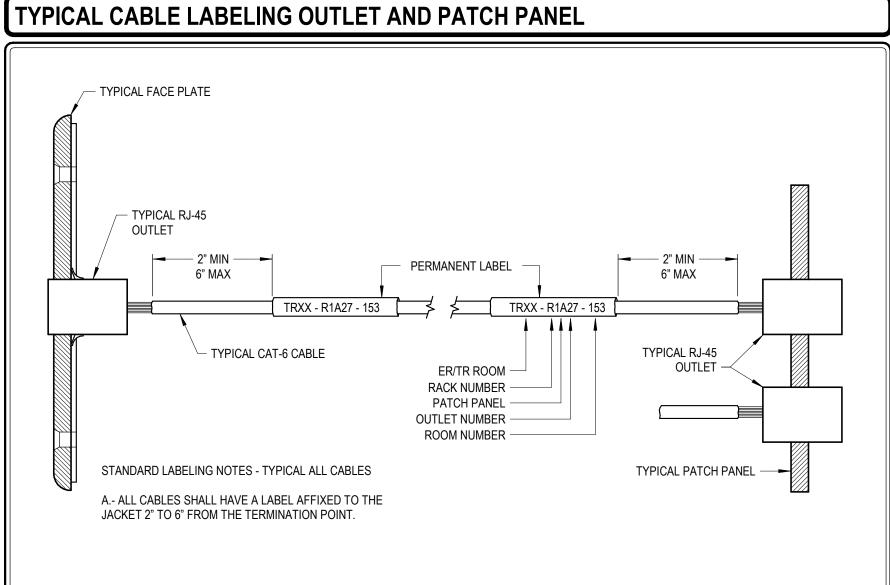


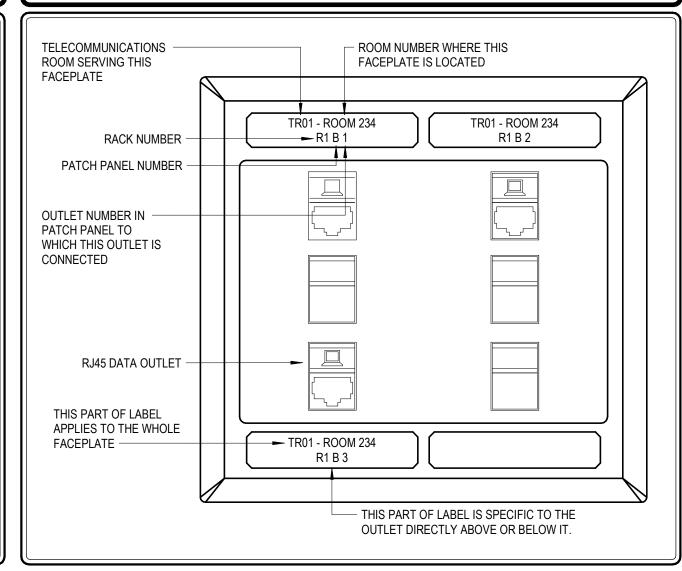


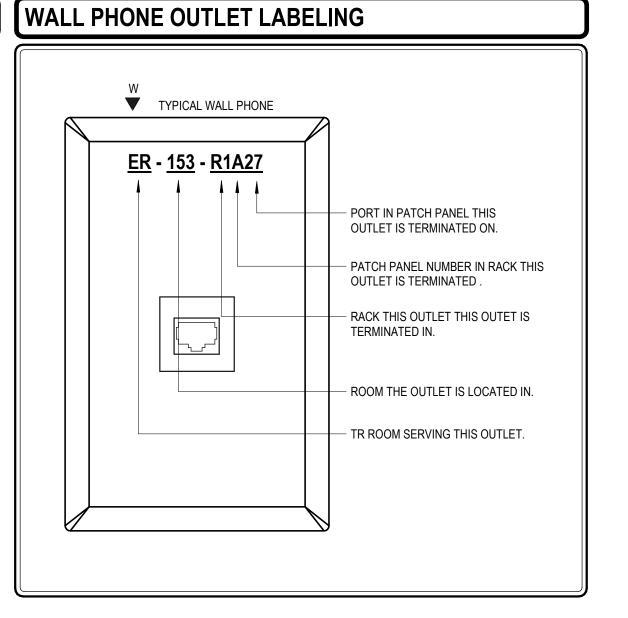












STRUCTURED CABLING COLORS

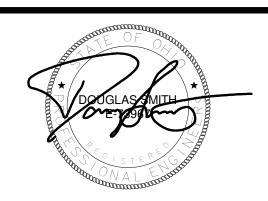
_			
	JACK	CABLE	DESCRIPTION
	BLUE	BLUE	DATA
	WHITE	WHITE	VoIP VOICE
	GREEN	GREEN	A/V (CONTROL)
	ORANGE	ORANGE	WIRELESS ACCESS POINTS
	YELLOW	YELLOW	CCTV CAMERAS
	GRAY	GRAY	USB/INTRA-CLASSROOM
	BLACK	BLACK	ANALOG VOICE
•			



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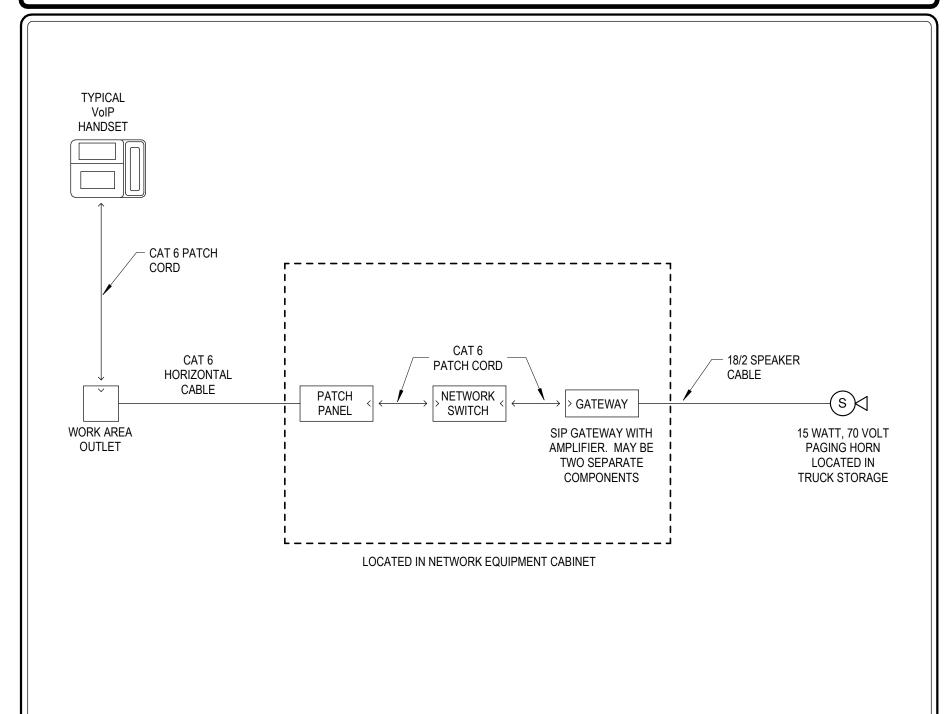
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MARK DATE

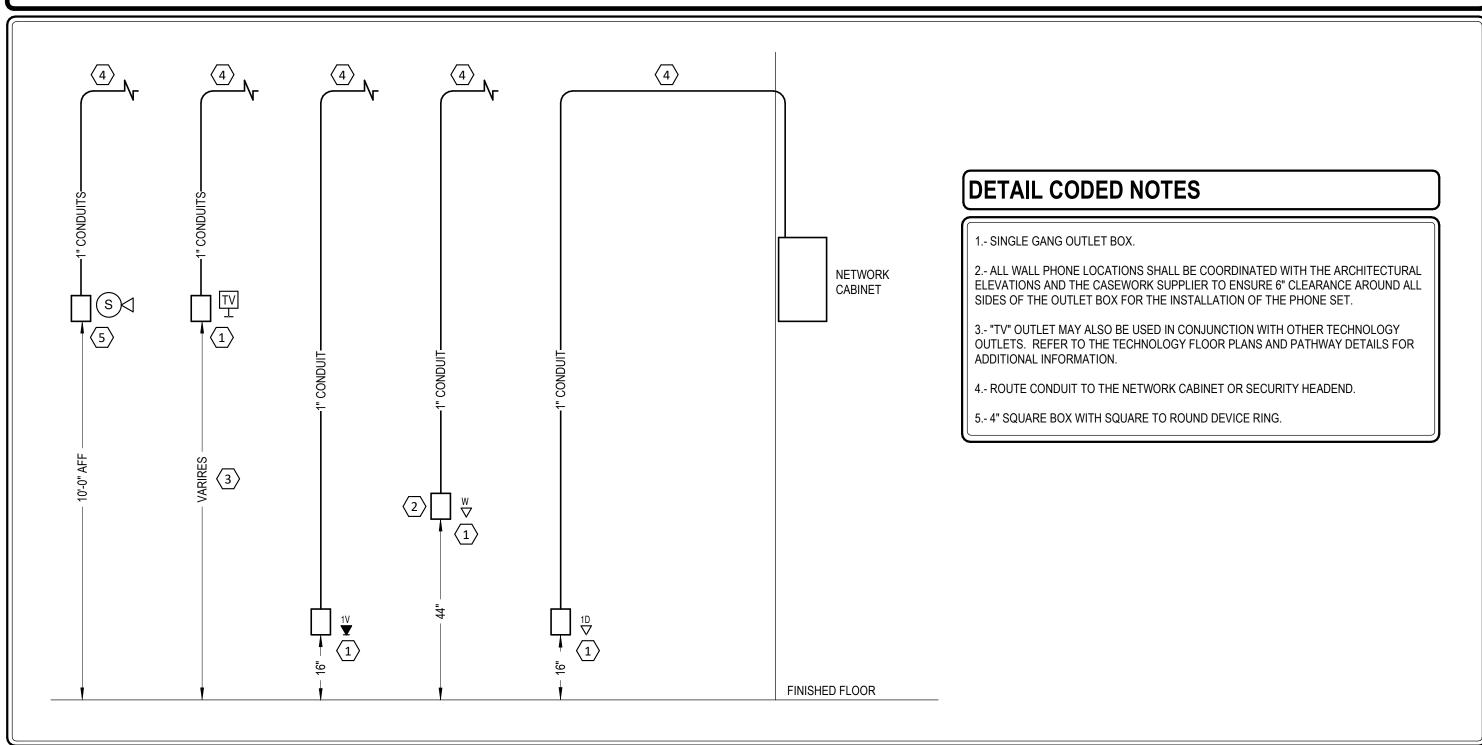
TECHNOLOGY FACEPLATE DETAILS

T001

PAGING SPEAKER WIRING DIAGRAM



TECHNOLOGY OUTLET ROUGH-IN DETAIL



TBB/GE SIZE (AWG)

1/0

2/0

3/0

4/0

250 kcmil

300 kcmil

350 kcmil

500 kcmil

600 kcmil

750 kcmil

TBB/GE LINEAR LENGTH m (ft)

less than 4 (13)

4-6 (14-20)

6-8 (21-26)

8-10 (27-33)

10-13 (34-41) 13-16 (42-52)

16-20 (53-66) 20-26 (67-84)

26-32 (85-105)

32-38 (106-125)

38-46 (126-150)

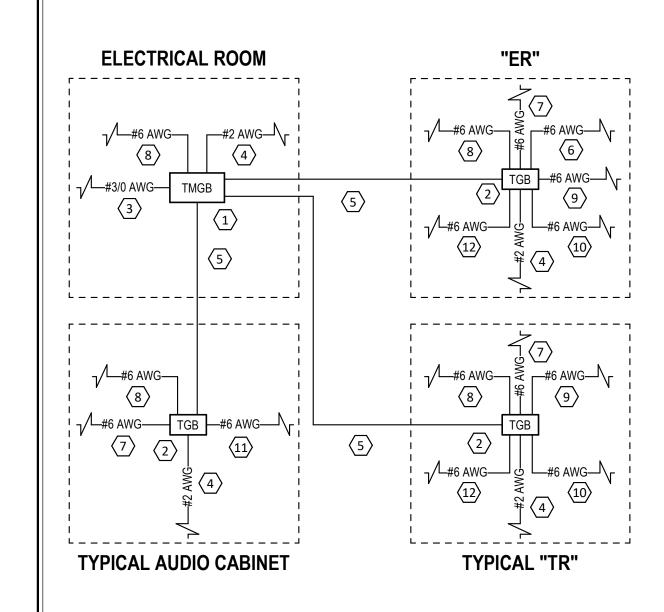
46-53 (151-175)

53-76 (176-250)

76-91 (251-300)

Greater than 91 (301)

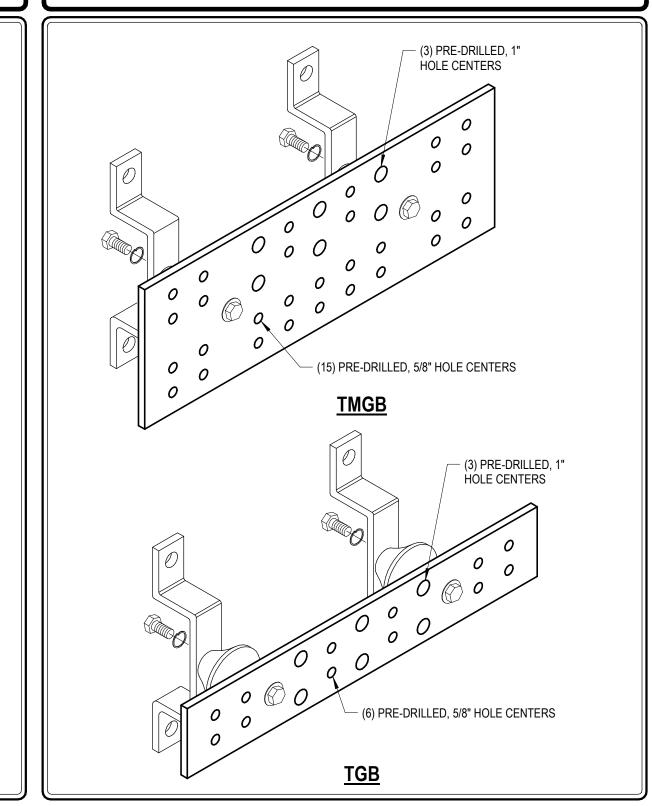
TECHNOLOGY SYSTEMS GROUNDING SCHEMATIC



DETAIL CODED NOTES

- 1.- TELECOMMUNICATIONS MAIN GROUND BAR (TMGB). LOCATION TO BE COORDINATED WITH THE MAIN SWITCH GEAR SUPPLIER.
- 2.- TELECOMMUNICATIONS GROUND BAR (TGB). LOCATION TO BE COORDINATED WITH THE DIVISION 27 COMMUNICATIONS
- 3.- #3/0 CONDUCTOR BONDED TO THE BUILDING'S MAIN ELECTRICAL SERVICE GROUND.
- 4.- #2 CONDUCTOR EXOTHERMICALLY WELDED TO THE BUILDING STEEL IF PRESENT.
- 5.- TELECOMMUNICATIONS BONDING BACKBONE BARE CONDUCTOR. SIZE AS DETERMINED BY LINEAR LENGTH.
- 6.- PROVIDE A #6 CONDUCTOR BONDED TO EACH TECHNOLOGY SERVICE PROVIDER CABLE ENTERING THE BUILDING.
- 7.-#6 CONDUCTOR BONDED TO THE CORRIDOR CABLE TRAY OUTSIDE OF THE TECHNOLOGY ROOM SHOWN. THIS BONDING CONDUCTOR IS NOT REQUIRED IF THE TELECOMMUNICATIONS BONDING BACKBONE WAS ROUTED TO THE ASSOCIATED TECHNOLOGY ROOM THROUGH THIS CABLE TRAY.
- 8.-#6 CONDUCTOR BONDED TO ANY METALLIC CONDUIT ENTERING THE ROOM CONTAINING TECHNOLOGY CABLING THAT
- 9.- #6 CONDUCTOR BONDED TO THE CABLE LADDER LOCATED IN THE TECHNOLOGY ROOM. IF THE CABLE LADDER INSTALLED DOES NOT PROVIDE A CONTINUOUS GROUND PATH, EACH CABLE LADDER SEGMENT SHALL BE BONDED TOGETHER WITH A #6 CONDUCTOR.
- 10.- PROVIDE A #6 CONDUCTOR BONDED TO ANY PIECE OF TECHNOLOGY EQUIPMENT INSTALLED WITHIN THE "ER" OR "TR" THAT HAS A GROUNDING LUG OR IS RECOMMENDED BY THE MANUFACTURER TO BE GROUNDED.
- 11.- PROVIDE A #6 CONDUCTOR BONDED TO THE AUDIO SYSTEMS CABINET.
- 12.- PROVIDE A #6 CONDUCTOR BONDED TO EACH OF THE TECHNOLOGY RACKS AND/OR CABINETS WITHIN THE ROOM.

TECHNOLOGY GROUND BAR DETAILS



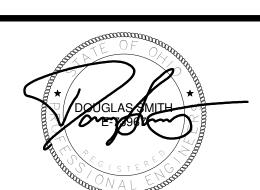


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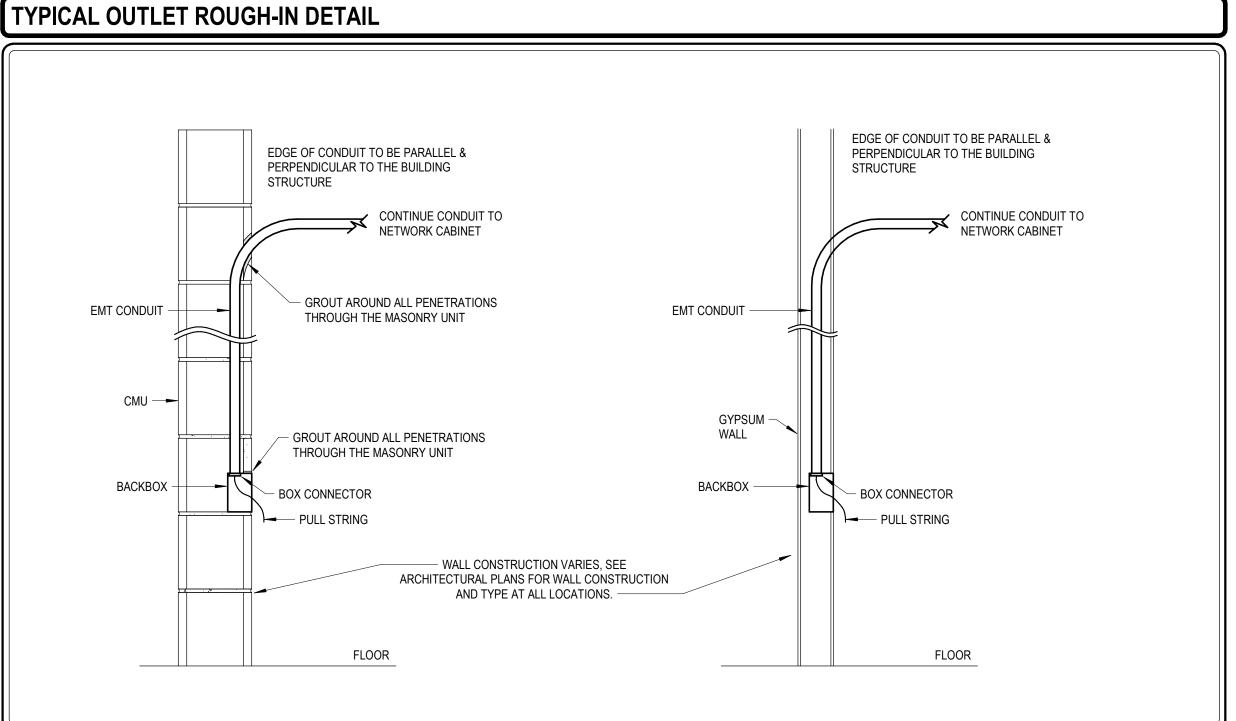
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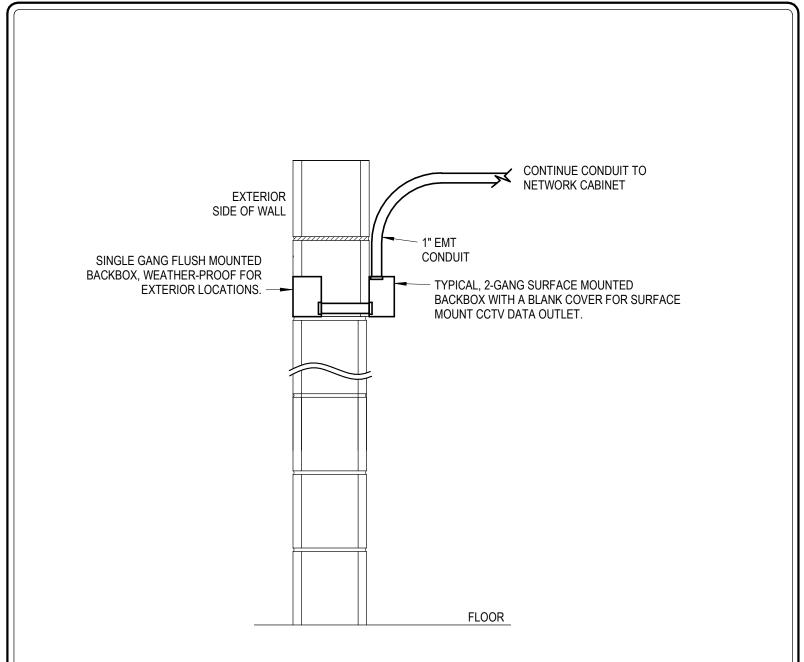
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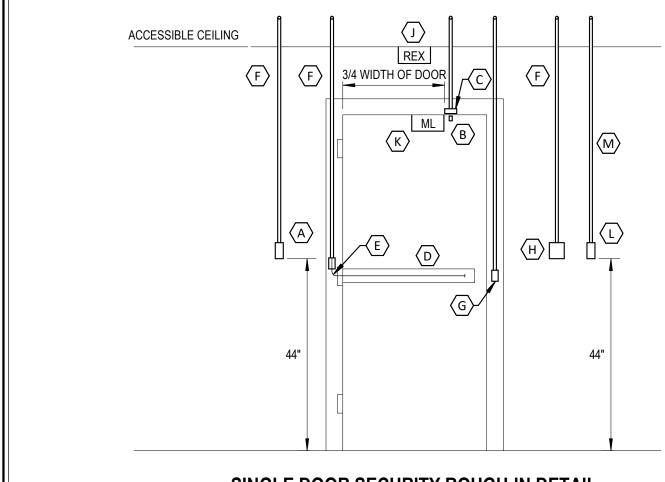
TECHNOLOGY DETAILS



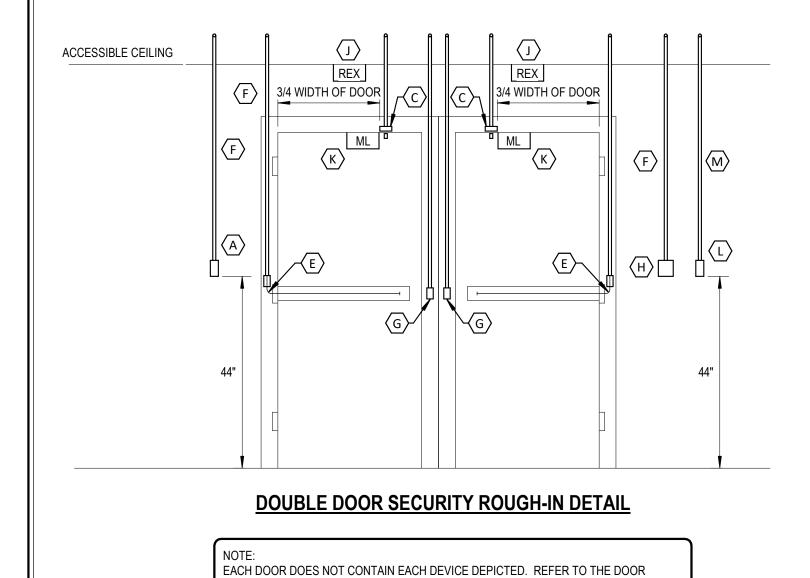
WALL MOUNT EXTERIOR CCTV CAMERA ROUGH-IN DETAIL



SECURITY DEVICE ROUGH-IN DETAIL



SINGLE DOOR SECURITY ROUGH-IN DETAIL



HARDWARE SCHEDULE AND FLOOR PLANS FOR ADDITIONAL INFORMATION.

DETAIL CODED NOTES

- A SINGLE GANG MASONRY BACKBOX FOR PROXIMITY CARD READER.
- B NOT USED.
- C BACKBOX AND 3/4" CONDUIT ROUTED FROM BACKBOX TO SECURITY PANEL. UTILIZE FOR DOOR CONTACT (AND MAG LOCK IF APPLICABLE). PROVIDE 1/2" HOLE FOR DOOR CONTACT, WITH PULL STRING, FOR FUTURE WIRING BY OTHERS.
- D NOT USED.
- BACKBOX MOUNTED IN DOOR FRAME (IF ELECTRONIC CRASH BAR UTILIZED). STUB 3/4"
 CONDUIT UP TO ABOVE DOOR FOR DOOR LATCH POWER SUPPLY THAT WILL BE FURNISHED
 BY OTHERS
- $\overline{\mathsf{F}}$ 3/4" CONDUIT WITH PULL STRING FROM BACKBOX TO SECURITY PANEL.
- G BACKBOX AND 3/4" CONDUIT TO POWER SUPPLY FOR DOOR STRIKE (IF APPLICABLE).
- $\langle H \rangle$ 4-SQUARE MASONRY BACKBOX FOR KEYPAD (IF APPLICABLE).
- NOT USED.
- REQUEST-TO-EXIT MOTION DETECTOR (IF APPLICABLE) BY DIV. 28. MOUNT TO CEILING CENTERED ABOVE DOORWAY WHENEVER POSSIBLE. IF CEILING MOUNT IS NOT POSSIBLE, WALL MOUNT WITH A SINGLE GANG BACKBOX AT 108" AFF.
- MAGNETIC DOOR LOCK (IF APPLICABLE) BY DIV. 8. UTILIZE SAME CONDUIT AS DOOR CONTACT.
- SINGLE GANG MASONRY BACKBOX (IF MAG LOCK UTILIZED) BY DIV. 26. REQUEST-TO-EXIT BUTTON (IF MAG LOCK UTILIZED) OR KEY-SWITCH BY DIV. 28.
- M 3/4" CONDUIT FROM BACKBOX TO SECURITY PANEL (IF MAG LOCK UTILIZED) BY DIV. 26.

DOOR OPERATOR SEQUENCE OF OPERATION

OPERATION OF THE DOOR OPERATOR SHALL ENERGIZE.

- 1) EXTERIOR DOOR OPERATOR PUSH PLATES: PUSH PLATE LOCATED ON BUILDING EXTERIOR IS TO BE WIRED THROUGH ACCESS CONTROL PANEL AND PROGRAMMED AS FOLLOWS:

 A WHEN ACCESS CONTROL SYSTEM IS PROGRAMMED BY TIME FUNCTION OR MANUAL OVERRIDE TO LOCK THE DOOR, THE EXTERIOR PUSH PLATE SHALL BE DEACTIVATED PREVENTING DOOR OPERATOR MOTOR FROM FUNCTIONING.
- B WHEN ACCESS CONTROL SYSTEM IS PROGRAMMED BY TIME FUNCTION OR MANUAL OVERRIDE TO OPEN THE DOOR, THE EXTERIOR PUSH PLATE SHALL BE ACTIVATED ALLOWING THE DOOR OPERATOR TO FUNCTION WHEN THE PLATE IS PUSHED.
- 2) INTERIOR DOOR OPERATOR PUSH PLATES: INTERIOR PUSH PLATES ARE TO BE WIRED THROUGH THE ACCESS CONTROL PANEL. THESE INPUTS ARE TO BE PROGRAMMED TO OPERATE SEPARATE OUTPUTS WHICH CONTROL THE LOCK RELEASE AND DOOR OPERATOR AS FOLLOWS:

 A WHEN ACCESS CONTROL SYSTEM IS PROGRAMMED BY TIME FUNCTION OR MANUAL OVERRIDE TO LOCK THE DOOR, PUSHING THE INTERIOR PUSH PLATE SHALL INITIATE AN INPUT TO THE ACCESS CONTROL SYSTEM WHICH SHALL THEN ACTIVATE THE APPROPRIATE OUTPUT CAUSING THE LOCK TO BE RELEASED, AND AFTER A ONE SECOND DELAY (TIME SHALL BE ADJUSTED TO MATCH LOCK RELEASE TIME PLUS 1/2 SECOND) THE OUTPUT THAT INITIATES
- B WHEN ACCESS CONTROL SYSTEM IS PROGRAMMED BY TIME FUNCTION OR MANUAL OVERRIDE TO UNLOCK THE DOOR, PUSHING THE INTERIOR PUSH PLATE SHALL INITIATE AN INPUT TO THE ACCESS CONTROL SYSTEM WHICH SHALL THEN ACTIVATE THE APPROPRIATE OUTPUT CAUSING THE DOOR OPERATOR TO ENERGIZE.

JINS A R C H I T E C T II R E

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EATON OUTPOST

CONSTRUCTION DOCUMENTS

5656 US-127 Eaton, Ohio 45320

1 12/17/21 Revision 1 Permit/Bid Set 12/10/21 Bid Set 11/12/21 Permit Set

 MARK
 DATE
 DESCRIPTION

 PROJECT NO:
 DOT-200023

 DATE:
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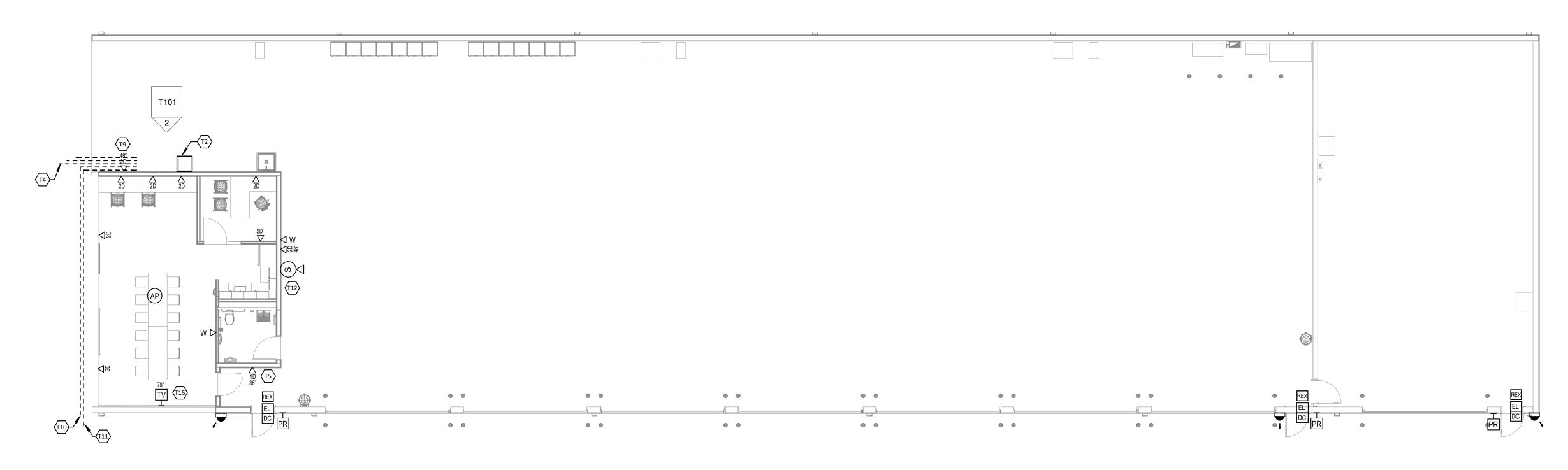
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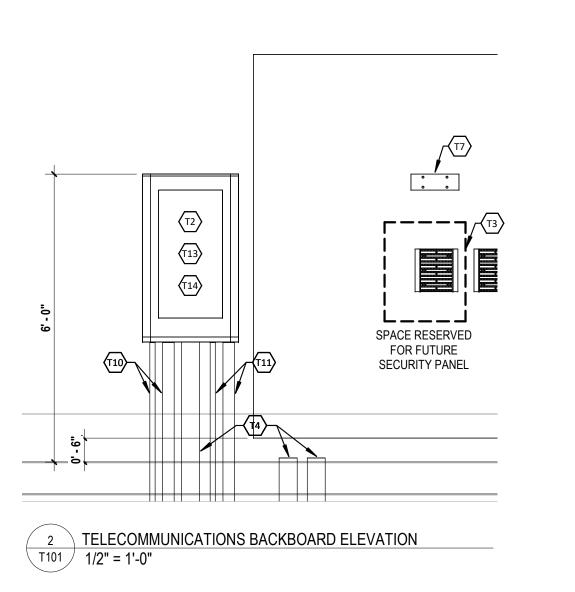
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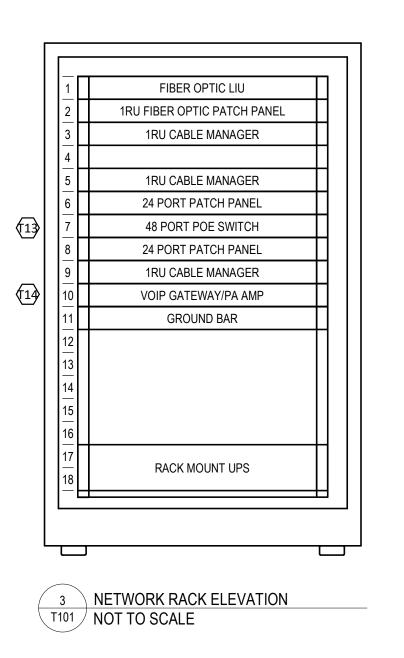
SHEET TITLE

TECHNOLOGY DETAILS



1 FIRST FLOOR OVERALL TECHNOLOGY PLAN
T101 1/8" = 1'-0"
0 8' 16' 32'



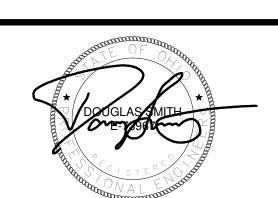


	DI ANI NOTEO				
	PLAN NOTES				
#	NOTE				
T2	PROVIDE WALL MOUNTED NETWORK CABINET.				
T3	TELEPHONE DEMARC.				
T4	(3) 4" UNDERGROUND CONDUITS TO UTILITY POLE. ONE FOR FIBER OPTIC CABLE ONE FOR TELEPHONE SERVICE AND ONE SPARE. ALL CONDUITS BELOW PAVING OR SIDEWALKS SHALL BE CONCRETE ENCASED.				
T5	DATA OUTLET FOR TIMECLOCK.				
T7	TELECOMMUNICATIONS MAIN GROUND BAR.				
Т9	PROVIDE (2) DATA OUTLETS AT SECURITY PANEL LOCATION FOR NETWORK AND VOIP CONNECTION.				
T10	PROVIDE 2-1/2" CONDUIT WITH WET RATED CAT 6 CABLE AND PULL STRING TO GATE CONTROLLER AND (1) 1-1/2" WITH PULL STRING FOR FUTURE CARD READER AND INTERCOM. COORDINATE LOCATIONS IN FIELD.				
T11	PROVIDE 2-1/2" CONDUIT WITH WET RATED CAT 6 CABLE AND PULL STRING TO FUEL ISLAND FOR DATA AND FUTURE SECURITY AND (1) 1" CONDUIT WITH PULL STRING TO FUEL ISLAND LIGHT POLE. COORDINATE STUB UP LOCATIONS IN FIELD.				
T12	PROVIDE AND INSTALL REENTRANT HORN LOUDSPEAKER.				
T13	POE SWITCH FURNISHED AND INSTALLED BY OWNER.				
T14	VOIP PAGING ADAPTER AND AMPLIFIER. FURNISHED AND INSTALLED BY LOW VOLTAGE CONTRACTOR.				
T15	TV OUTLET WITH (2) CAT 6 CABLES TO NETWORK CABINET.				



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SHEET TITLE

FIRST FLOOR
TECHNOLOGY PLAN

T101