STANDARDS:

MATERIAL DESIGNATION

ELEVATION

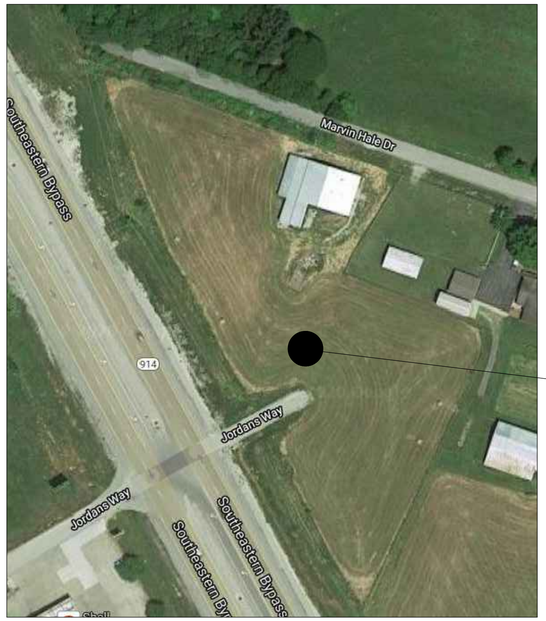
- BRICK
- MASONRY
- CONCRETE
- GLAZING
- METAL
- WOOD

SECTION

- EARTH
- CRUSHED STONE FILL
- CONCRETE
- RIGID INSUL.
- BATT INSUL.
- GYPSUM BOARD
- ACOUSTICAL TILE
- WOOD BLOCKING
- FINISHED WOOD
- BRICK
- MASONRY
- METAL

GRAPHIC SYMBOLS

- MEDIA CENTER — ROOM NAME
- 100 — ROOM NUMBER
- 001 — DOOR NUMBER
- WINDOW NUMBER
- A — TOILET ACCESSORY
- 1 / A10 — ELEVATION: INDICATES DETAIL NUMBER, INDICATES SHEET NUMBER
- 1 / A10 — BUILDING SECTION: INDICATES DETAIL NUMBER, INDICATES SHEET NUMBER
- 3 / A12 — PLAN OR SECTION DETAIL: INDICATES DETAIL NUMBER, INDICATES SHEET NUMBER
- ELEVATION — ELEVATION REFERENCE



PROJECT LOCATION

SE WATER OFFICE
NEW SHOP/GARAGE
BUILDING (B)
PULASKI CO. KY

INDEX TO DRAWINGS

CS ------ COVER SHEET
CIVIL DWGS.
C1.0 ------ DRAINAGE PLAN
G1.0 ------ PLAN DATA
G2.0 ------ PLAN DATA
G3.0 ------ SPECIFICATIONS
G3.1 ------ SPECIFICATIONS
G4.0 ------ ACCESSIBILITY STANDARDS
S1.0 ------ FOUNDATION PLAN
S1.01 ---- FOUNDATION SCHEDULES
S1.1 ------ FOUNDATION DETAILS
S1.2 ------ FOUNDATION DETAILS
S1.3 ------ FOUNDATION DETAILS
S2.0 ------ BEAM/HEADER SCHEDULE
S2.1 ------ BEAM/HEADER SCHEDULE
A1.0 ------ FLOOR PLAN
A1.01 ---- WALL TAGS
A1.02 ---- WALL TAGS & SCHEDULE
A1.1 ------ DOOR & WINDOW SCHEDULE
A1.2 ------ ENLARGED TOILET AND INTERIOR ELEVATIONS
A2.0 ------ ELEVATION VIEWS
A3.0 ------ BUILDING SECTION VIEWS
M1.0 ----- HVAC LAYOUT
M1.1 ----- HVAC LAYOUT @ UTILITY ROOM
M1.2 ----- VENTILATION LAYOUT
M1.3 ----- HVAC DETAILS
M1.4 ----- HVAC DETAILS
E1.0 ----- LIGHTING AND REFLECTED CEILING PLAN
E1.01 ---- LIGHTING AND REFLECTED CEILING PLAN & SCHEDULE
E1.1 ------ LIFE SAFETY PLAN
E1.2 ------ PLUG & DATA LAYOUT
E1.3 ------ ELECTRICAL DETAILS
E1.4 ------ ELECTRICAL DETAILS
P1.0 ------ PLUMBING PLAN
P1.1 ------ DOMESTIC WATER LINE
P1.2 ------ RISER DIAGRAM
P1.3 ------ PLUMBING DETAILS
SILENT GUARD SYSTEM LAYOUT

ABBREVIATIONS

ABV	ABOVE	JC	JANITOR'S CLOSET	DWG	DRAWING	RA	RETURN AIR
AB	ANCHOR BOLT	JT	JOINT			RD	ROOF DRAIN
AC	AIR CONDITIONING	J	JOIST	EF	EXHAUST FAN	RECEPT	RECEPTACLE
ADJ	ADJACENT			EA	EACH	REF	REFRIGERATOR
AFF	ABOVE FINISHED FLOOR	KIT	KITCHEN	ELECT	ELECTRIC	REINF	REINFORCING
ALT	ALTERNATE			ELEV	ELEVATION	REQ	REQUIRED
ALUM/AL	ALUMINUM	LAM	LAMINATE (D)	EQ	EQUAL	RM	ROOM
AUX	AUXILIARY	LAV	LAVATORY	EQUIP	EQUIPMENT	RO	ROUGH OPENING
		LP	LOW POINT	E.W.	EACH WAY	ROW	RIGHT OF WAY
B.O.	BOTTOM OF	LOC	LOCATE	EXT	EXTERIOR		
BD	BOARD	LG	LONG			SC	SOLID CORE
BLKG	BLOCKING	LT	LIGHT	FCO	FLOOR CLEAN OUT	SHT	SHEET
BM	BEAM	LTL	LINTEL	FD	FLOOR DRAIN	SIM	SIMILAR
BOT/BOTT	BOTTOM	LVL	LAMINATE VENEER LUMBER	FE	FIRE EXTINGUISHER	SPEC	SPECIFICATIONS
BRG	BEARING			FIN	FINISH	SQ	SQUARE
BRZ	BRONZE	MAS	MASONRY	FLR	FLOOR	STL	STEEL
		MAX	MAXIMUM	FND	FOUNDATION	STRUCT	STRUCTURAL
<	CENTERLINE	MC	MEDICINE CABINET	FOM	FACE OF MASONRY	SYS	SYSTEM
C./COND.	CONDUIT	MECH	MECHANICAL	FOS	FACE OF STUD		
CHAM	CHAMFER	MIN	MINIMUM	F.A.P.	FIRE RATED PANELING	T&G	TONGUE AND GROOVE
CLG	CEILING	ML	MICRO LAM	FS	FLOOR SINK	T	TREADS
CLO	CLOSET	MM	MILLIMETER (S)	FT	FOOT	TEL	TELEPHONE
CLR	CLEAR (ANCE)	MO	MASONRY OPENING	FTG	FOOTING	THK	THICK
CM	CENTIMETER(S)	MTD	MOUNTED			TOS	TOP OF SLAB
CMU	CONCRETE MASONRY UNIT	MTL	METAL	GA	GAUGE	TV	TELEVISION
COL	COLUMN			GALV	GALVANIZED	TYP	TYPICAL
CONC	CONCRETE	NAT	NATURAL	GC	GENERAL CONTRACTOR		
CONN	CONNECTION	NIC	NOT IN CONTRACT	GL	GLASS	VEN	VENEER
CONT	CONTINUOUS	NTS	NOT TO SCALE	GPM	GALLONS PER MINUTE	VERT	VERTICAL
CONTR	CONTRACTOR			GRD	GROUND	VEST	VESTIBULE
CSMT	CASEMENT WINDOW	OC	ON CENTER	GYP	GYPSUM	VTR	VENT THRU ROOF
CT	CERAMIC TILE	OH	OVERHANG				
CTR	CENTER	OTS	OWNER TO SPECIFY	HB	HOSE BIBB	w/	WITH
C.W.	COLD WATER			HC	HOLLOW CORE	WC	WATER CLOSET
		>/PL	PLATE	HC	HEAVY DUTY	WCO	WALL CLEAN OUT
~	DIAMETER, PHASE	PK	PARKING	HDR.	HEADER	WD	WOOD
DIA	DIAMETER, DIAGRAM	PLYWD	PLYWOOD	HORIZ	HORIZONTAL	WH	WATER HEATER
DIAG	DIAGONAL	PLF	PER LINEAR FOOT	HT	HEIGHT	WIB	WALK IN BOX
DBL	DOUBLE	POS	POINT OF SALE	HW	HOT WATER	WP	WATER PROOF
DF	DRINKING FOUNTAIN	PSF	POUNDS PER SQ. FOOT	HP	HORSE POWER/HIGH POINT	WWF	WELDED WIRE FABRIC
DIM	DIMENSION	PSI	POUNDS PER SQ. INCH			WWM	WELDED WIRE MESH
DL	DEAD LOAD	PT	PRESSURE TREATED	ID	INTERIOR DESIGN		
DR	DOOR	PTN	PARTITION	INSUL	INSULATION	XO	SLIDING WINDOW UNIT
D/T	DRIVE-THRU	PVC	POLYVINYL CHLORIDE	INT	INTERIOR		
DTL	DETAIL						

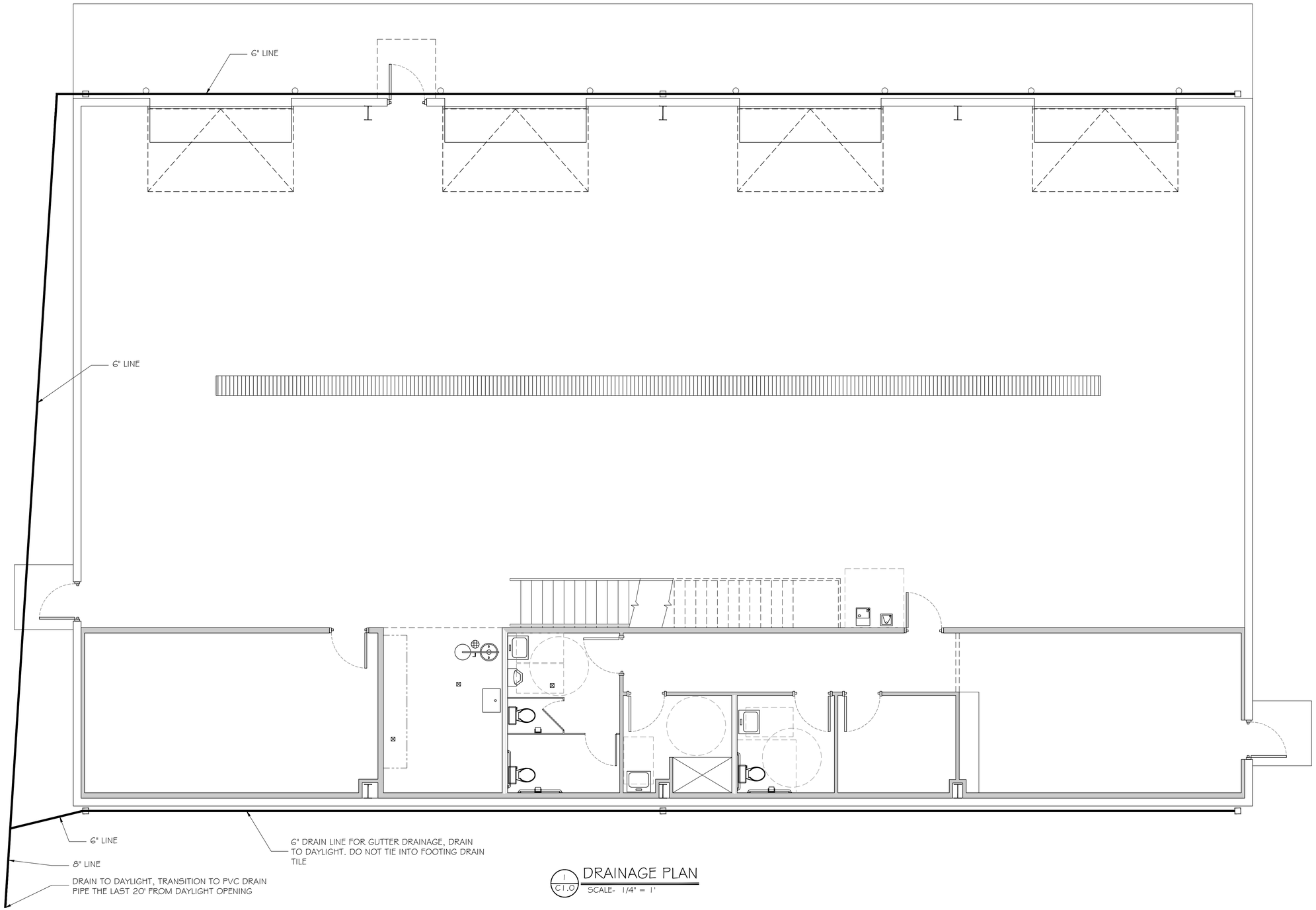
WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

SOUTH CENTRAL
DESIGNS INC.
DRAFTING & PLANNING SERVICES
BENTON FUDGE
209 BURKESVILLE ST. COLUMBIA KY 42728
BFUDGE.SCD@GMAIL.COM
270-380-1910

Sheet No.
CS



1 / C1.0 DRAINAGE PLAN
SCALE- 1/4" = 1'

General Notes

PLEASE NOTE:

ERIC N. WOOLDRIDGE 25773 LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

BUILDING DRAINAGE PLAN

PROJECT NUMBER	SHEET
1519 B	C1.0
DATE: 1-14-21	
SCALE AS NOTED	

BUILDING CODE EVALUATION - MAINTENANCE BLDG

LOCATION:	PULASKI COUNTY, KY
DATE OF REVIEW:	10.26.20
CONSTRUCTION TYPE:	CLASSIFIED AS TYPE II-B PER 602.1
FACILITY AREA:	6000 SF MAIN LEVEL, 1410 SF SECOND LEVEL
FACILITY PERIMETER:	320 FT
AUTOMATIC SPRINKLER REQUIRED?:	NO
FULLY SPRINKLED: Y/N?	NO
FIRE ALARM REQUIRED PER 907:	NO, < 500 PPL . 1 STORY ONLY, & NO AMBULATORY CARE
ALLOWABLE AREA PER IBC T506.2:	23,000 SF
ALLOWABLE HEIGHT PER IBC T504.3:	55 FT
ALLOWABLE NUMBER OF STORIES PER IBC T504.4	3 STORY
AREA MODIFICATIONS PER IBC 506:	
506.2 SPRINKLING PERCENTAGE INCREASE:	NA
506.3 FRONTAGE INCREASE:	NA
TABLE 601 FIRE RATING REQUIREMENTS:	(CLASSIFIED TYPE II-B)
-STRUCTURAL FRAME:	0 HRS
-BEARING WALLS EXTERIOR:	0 HRS
-BEARING WALLS INTERIOR:	0 HRS
-NONBEARING WALLS/PARTITIONS EXT (T602):	0 HRS
-NONBEARING WALLS/PARTITIONS INT:	0 HRS
-FLOOR CONSTRUCTION:	0 HRS
-ROOF CONSTRUCTION:	0 HRS
FACILITY FIRE SEPARATION DISTANCE:	10 FT OR GREATER ON ALL SIDES
FIRE RATING REQUIREMENTS FOR EXTERIOR WALLS, PER TABLE 602:	0
OCCUPANCY USE GROUP IBC CHAP 3:	B
OCCUPANT LOADING PER IBC T1004.1.2:	200 GROSS SF/PERSON
FINAL OCCUPANT LOADING:	38 OCCUPANTS
REQUIRED SEPARATION OF MIXED OCCUPANCIES (T508.4):	NA
FIRE AREA SEPARATION OF MIXED OCCUPANCIES (T707.3.10):	NA
MAXIMUM ALLOWABLE EGRESS TRAVEL DISTANCE KBC T1006.2.1:	75 FT (WITHOUT SPRINKLER)
MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE KBC T1017.2	200 FT (WITHOUT SPRINKLER)
NUMBER OF CORRIDORS:	1
RESULTANT CORRIDOR FIRE RESISTANCE RATING PER KBC T1020.1:	NA < 30 PERSON CORRIDOR LOADING

PLUMBING CODE DATA - MAINTENANCE BLDG

PER KY PLUMBING CODE:	
FACILITY OCCUPANCY TYPE:	OFFICE
KBC OCCUPANT LOADING:	38
PER KPC GENDER ANALYSIS:	
NUMBER OF MALES:	19
OR NUMBER OF FEMALES:	19
WATER CLOSETS:	3 MIN.
URINALS:	1 MIN.
LAVATORIES:	3 MIN.
BATHTUB OR SHOWER:	0
COMMON FIXTURES:	
DRINKING FOUNTAIN:	2
MOP SINK:	1
HAZARDOUS RELATED FIXTURES:	
FEMALE:	NA
EYE WASH:	NA

INDEMNIFICATION STATEMENT

BY ACCEPTING THESE PLANS AND AGREEING TO UNDERTAKE THE WORK REPRESENTED THEREIN, THE GENERAL CONTRACTOR, ANY SUB CONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM AGREES TO AND ACKNOWLEDGES THE FOLLOWING:

1. THE GENERAL CONTRACTOR AND/OR ANY OTHER CONTRACTOR/SUB CONTRACTOR EMPLOYED ON THIS PROJECT SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE ENGINEER AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES INCLUDING TIME, MATERIALS, AND ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS, OR EXPENSE (A) IS ATTRIBUTED TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO OR DESTRUCTION OF TANGIBLE PROPERTY (INCLUDING THE WORK ITSELF) INCLUDING THE LOSS OF USE RESULTING THEREFROM AND (B) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF THE CONTRACTOR, ANY SUB CONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM, REGARDLESS OF WHETHER OR NOT IT IS CASED IN PART BY A PARTY INDEMNIFIED HEREIN.
2. IN ANY AND ALL CLAIMS AGAINST THE OWNER OR THE ENGINEER OR ANY OF THEIR AGENTS OR EMPLOYEES BY ANY EMPLOYEE OF THE CONTRACTOR, ANY SUB CONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, THE INDEMNIFICATION OBLIGATION UNDER THIS STATEMENT SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION, OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR OR ANY SUB CONTRACTOR UNDER WORKMAN'S COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEE BENEFITS ACTS.
3. THE OBLIGATIONS OF THE CONTRACTOR UNDER THIS STATEMENT SHALL NOT EXTEND TO THE LIABILITY OF THE ENGINEER, HIS AGENTS, OR EMPLOYEES ARISING OUT OF (1) THE PREPARATION OR APPROVAL OF MAPS, DRAWINGS, OPINIONS, REPORTS, SURVEYS, CHANGE ORDERS, DESIGNS, OR SPECIFICATIONS, OR (2) THE GIVING OF OR THE FAILURE TO GIVE DIRECTIONS OR INSTRUCTIONS BY THE ENGINEER, HIS AGENTS OR EMPLOYEES PROVIDED SUCH GIVING OR FAILURE TO GIVE IS THE PRIMARY CAUSE OF THE INJURY OR DAMAGE.

SHOP DRAWINGS

SHOP DRAWINGS, CALCULATIONS, AND DESIGN DATA, RELATED TO ANY PRE-MANUFACTURED ELEMENTS SUCH AS THE STEEL STAIR SYSTEM ARE TO BE PROVIDED BY THE MANUFACTURER/FABRICATOR AND MADE AVAILABLE FOR REVIEW AND APPROVAL BY THE OWNER AND THE BUILDING CODE AUTHORITY HAVING JURISDICTION.

FINISH MATERIAL FLAME SPREAD RATING

1. FOR. ALL INTERIOR EXIT STAIRWAYS, WARMING KITCHENS, ASSEMBLY AREAS, INTERIOR EXIT RAMPS, AND EXIT PASSAGEWAYS INTERIOR FINISH MATERIALS SHALL HAVE A FLAME RATE OF CLASS "A" MATERIALS
2. FOR CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS INTERIOR FINISH MATERIALS SHALL HAVE A FLAME RATE OF CLASS "B" MATERIALS.
3. FOR ALL OTHER AREAS WITHIN FACILITY, INTERIOR FINISH MATERIALS SHALL HAVE A FLAME RATE OF CLASS "C" MATERIALS WHERE

ACCESSIBILITY ROUTES

WHERE NOT NOTED OR SHOWN, ALL EXTERIOR SURFACES ALONG ACCESSIBLE ROUTES ARE TO MAINTAIN A SLOPE OF LESS THAN 2%

BUILDING FLOOR DESIGN LOADS

COUNTY:	PULASKI
IMPORTANCE CATEGORY:	II
FLOOR LIVE LOAD:	SEE LIVE LOAD TABLE, LIGHT STORAGE
MEZZ. FLOOR FINISH LOAD:	1.0 PSF
MEZZ. FLOOR DECKING/SHEATHING DEAD LOAD:	2.5 PSF
MEZZ. FLOOR JOIST CEILING FINISH DEAD LOAD:	1.0 PSF
ADDITIONAL COLLATERAL LOADS ON MEZZ. FLOOR:	
-HVAC:	1.0 PSF
-LIGHTING:	1.0 PSF
-SPRINKLER SYSTEM (WET):	NA

SEISMIC CONNECTION NOTES

1. ALL MECHANICAL, ELECTRICAL, & PLUMBING FURNISHINGS, EQUIPMENT, CONDUITS, PIPING, BRANCHING, ETC IS TO BE SEISMICALLY BRACED OR RESTRAINED FROM MOTION & OR FALLING.
2. ANY WALL MOUNTED OR SUSPENDED CABINETRY IS TO BE FULL FIXED AND MECHANICALLY HELD TO WALL AND CEILING STRUCTURE. SUCH FURNISHINGS IS TO BE SECURE FROM FALLING DURING A HIGH SEISMIC EVENT.
3. BUILDER IS TO ADVISE OWNER REGARDING ANY DANGERS RELATED TO WALL OR CEILING FRAMING DUE TO HIGH SEISMIC EVENT.
4. BUILDER IS PROVIDE OWNER A SIGNED LETTER STATING THAT ALL REQUIRED FRAMING AND CONNECTION REQUIREMENTS ASSOCIATED WITH THESE PLANS HAVE BEEN MET.

DESIGN NOTES, LIABILITIES, & CONDITIONS

1. ANY INFORMATION, DETAILS, DRAWINGS, SPECIFICATIONS, OR OTHER CONSTRUCTION OR PERMITTING INFORMATION, PROVIDED IN RELATED DOCUMENTS THAT DO NOT CONTAIN THE PROFESSIONAL SEAL DIRECTLY ASSOCIATED WITH WDS IS THE FULL RESPONSIBILITY/LIABILITY OF OTHERS.
2. WHERE SPECIFIC BRAND AND/OR MODEL NAME AND NUMBERS ARE PROVIDED FOR COMPONENTS, ASSOCIATED WITH THIS PROJECT, ANY SUBSTITUTIONS MUST BE CONFIRMED BY PUBLISHED MANUFACTURER DATA THAT SUCH ARE EQUAL OR GREATER IN CAPACITY TO THOSE THAT ARE SPECIFIED. SUCH CONFIRMATION OR APPROVAL IS TO BE PROVIDED BY OTHERS.
3. ALL SHOP DRAWINGS MUST BE CHECKED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION. ANY SHOP DRAWINGS SUBMITTED BY CONTRACTOR WITHOUT SUCH APPROVAL AND LEGIBLE STAMP WILL BE REJECTED WITH NO ACTION TAKEN.
4. IT IS TO BE FULLY UNDERSTOOD BY ALL RELATED PARTIES THAT THIS ENGINEER AND HIS CONSULTANTS ARE IN NO WAY RESPONSIBLE FOR THE SAFETY OF THE WORK SITE DURING ANY STAGE OF CONSTRUCTION.
5. THE OWNER, CONTRACTOR, AND ALL SUB CONTRACTORS HAVE THE LEGAL AND PROFESSIONAL RESPONSIBILITY TO FULLY REVIEW AND ADHERE TO THE PLANS AND SPECIFICATIONS PROVIDED WITHIN THESE DOCUMENTS. IF ANY ISSUES OR DISCREPANCIES ARE DISCOVERED IN THE FIELD, IN PREPARATION FOR THE WORK, OR DURING THE WORK, THIS ENGINEER IS TO BE NOTIFIED IMMEDIATELY FOR MEDIATION. SAID DISCREPENCIES/ISSUES ARE NOT TO BE ADDRESSED BY THE OWNER, CONTRACTOR, OR SUB CONTRACTORS WITHOUT WRITTEN APPROVAL FROM THIS ENGINEER.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE WORK SITE ADHERES TO ALL SPECIFICATIONS AND GUIDELINES OF APPLICABLE GOVERNING BODIES SUCH AS OSHA AND OTHERS. FURTHER, THE ENGINEER AND HIS CONSULTANTS WILL NOT BE RESPONSIBLE FOR, NOR HAVE CONTROL OVER, NOR BE IN CHARGE OF THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. FURTHER, THE ENGINEER AND HIS CONSULTANTS WILL NOT BE RESPONSIBLE FOR FAILURE OF THE CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION DRAWINGS, SPECIFICATIONS, AND/OR CONTRACTS, OR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS OR ENTITIES PERFORMING PORTIONS OF THE WORK
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ALL CONSTRUCTION AND SHALL ADHERE FULLY TO APPLICABLE STATE AND LOCAL BUILDING CODES. IF ANY QUESTION AS TO SAID COMPLIANCE ARISE IN THE FIELD, THIS ENGINEER IS TO BE NOTIFIED IMMEDIATELY.
8. WOOLDRIDGE DESIGN SERVICES PLLC (WDS) AND ITS CONSULTANTS ARE ENTITLED TO RELY ON AND TRUST ALL INFORMATION AND DATA PROVIDED BY THE OWNER AND THEIR AGENTS IN THE EXECUTION OF PROFESSIONAL SERVICES. WHERE INFORMATION IS LATER FOUND TO BE INCONSISTENT OR INCORRECT DUE TO NEGLIGENCE OR FAILURE TO PROVIDE INFORMATION IN A TIMELY MANNER BY THE OWNER AND THEIR AGENTS, WDS IS NOT LIABLE OR RESPONSIBLE FOR CORRECTIONS, REVISIONS, OR DAMAGES. WDS IS ENTITLED TO EQUITABLE COMPENSATION WERE REVISIONS, CORRECTIONS, OR OTHER SERVICES ARE REQUIRED DUE TO NEGLIGENCE OR FAILURE TO PROVIDE INFORMATION IN A TIMELY MANNER BY THE OWNER OR THEIR AGENTS.
9. BY ACCEPTANCE AND USE OF THESE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FOR THE PURPOSES OF THEIR WORK, THE OWNER AND CONTRACTOR FULLY ACKNOWLEDGE AND AGREE TO ALL THE ABOVE STATEMENTS.

ENVIRONMENTAL SERVICES AND HAZARDOUS HANDLING & MATERIALS

1. THIS ENGINEER DOES NOT PROVIDE ANY ENVIRONMENTAL ENGINEERING OR SUCH RELATED CONSULTATION AND OR REPORTING SERVICES AND SHALL NOT BE IDENTIFIED BY THE OWNER OR CONTRACTOR IN ANY FASHION THAT WOULD IMPLY SUCH SERVICES WERE PROVIDED OR ARE TO BE PROVIDED BY THIS ENGINEER.
2. NO PROJECT ENVIRONMENTAL REPORT FOR ANY HAZARDOUS MATERIALS, INCLUDING CONTAMINATED RUNOFF, IMPROPER STORAGE, RADON, SPILLED CHEMICALS, U.S.T.'S, ETC. WAS PROVIDED BY THE OWNER TO ENGINEER, THEREFORE, THIS ENGINEER ASSUMES NO LIABILITY SHOULD ANY CONDITION ARISE THAT COULD HAVE BEEN DISCOVERED OR PREVENTED HAD SUCH INVESTIGATIONS BEEN CONDUCTED.
3. THIS ENGINEER AND HIS CONSULTANT(S) HAVE NO PROFESSIONAL LIABILITY FOR ANY CLAIMS REGARDING HAZARDOUS MATERIALS, HAZARDOUS MATERIALS STORAGE, OR THE FAILURE OF THE OWNER OR CONTRACTOR TO OBTAIN SUCH PROFESSIONAL SERVICES AND TO INVESTIGATE OR REMEDIATE THE PRESENCE OF SAID MATERIALS.

USE OF PREMISES AND CONTRACTOR RESPONSIBILITIES

1. CONSTRUCTION OPERATIONS ARE TO BE LIMITED TO AREAS DESIGNATED ON DRAWINGS.
2. VERIFY TIME RESTRICTIONS WITH OWNER AND GOVERNING BODIES. IT IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR AND OWNER TO SET ATTAINABLE TIME RESTRAINTS FOR A SUCCESSFUL JOB.
3. GENERAL CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY FOR THE PROTECTION AND SAFEKEEPING OF PRODUCTS STORED ON THE SITE.
4. WHERE APPLICABLE COORDINATE USE OF PREMISES FOR WORK WITH THE LANDLORD AND/OR OWNER PRIOR TO COMMENCEMENT OF WORK.
5. LIMIT USE OF SITE FOR WORK AND STORAGE TO AREAS DESIGNATED UNLESS SPECIFIC ADDITIONAL AREAS ARE ALLOWED IN WRITING BY THE OWNER AND/OR LANDLORD.
6. TEMPORARY SANITARY FACILITIES FOR WORKERS OF ALL TRADES SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE GENERAL CONTRACTOR. IF "CONTRACTOR-USE" FACILITIES DO NOT EXIST ON SITE. PERMANENT TOILETS INSTALLED ON THE PROJECT SHALL NOT BE USED DURING THE CONSTRUCTION OF THIS PROJECT. ALL FACILITIES AND SERVICES SHALL BE FURNISHED IN STRICT ACCORDANCE WITH EXISTING GOVERNING HEALTH REGULATIONS.

GEOTECHNICAL REPORT

GIVEN THE SITE CLASS D CONSIDERATIONS OF THE PEMB ASSOCIATED WITH THIS PROJECT AND THIS SITE, AND RESULTING SEISMIC DESIGN CATEGORY "C" VALUE, PER THE PREVAILING KY BUILDING CODE, THIS PROJECT REQUIRES A SITE GEOTECHNICAL REPORT WHICH IS TO BE PROVIDED BY OTHERS. THE OWNER AND/OR CONTRACTOR ARE TO CONSULT W/ THE BUILDING CODE AUTHORITY HAVING JURISDICTION REGARDING SUCH A REPORT AND VALIDATION OF ITS RESULTS IN RELATION TO THE FOUNDATION DESIGN, WHICH IS ALSO TO BE PROVIDED BY OTHERS.

SPECIAL INSPECTIONS

REQUIRED SPECIAL INSPECTIONS HAVE BEEN PROVIDED FOR THIS PROJECT AS SHOWN. SUCH PROFESSIONAL SERVICES ARE THE FULL RESPONSIBILITY OF THE CONTRACTOR, AS WELL AS PROVIDING TO THE OWNER, THE ENGINEER, AND THE BUILDING CODE AUTHORITY HAVING JURISDICTION THE OFFICIAL REPORTS FROM THE SPECIAL INSPECTION ENTITY IN A TIMELY MANNER.

METAL BUILDING REQUIREMENTS

1. TYPE IV OCCUPANCY CATEGORY (ESSENTIAL SERVICE)
2. COLLATERAL LOAD OF 1.5 PSF MIN.
3. SEE OTHER NOTES FOR INSULATION REQUIREMENTS
4. PEMB MANUFACTURER MUST ACCOUNT FOR ANY AND ALL ADDITIONAL AND IMPOSED LOADS ASSOCIATED WITH SNOW DRIFTS, WIND LOADS, SEISMIC LOADS, ETC. PEMB SEALED PLANS MUST NOTE AND REFLECT THESE LOADS. PEMB PLANS THAT DO NOT REFLECT THESE CONDITIONS ARE TO BE REJECTED BY OWNER AND AUTHORITY HAVING JURISDICTION
5. THE PEMB ROOF FINISH MUST BE A LIGHT, REFLECTIVE COLOR

SPECIAL INSPECTIONS PER CHAPTER 17 OF THE KENTUCKY BUILDING CODE - MAINTENANCE BUILDING

SECTION	ITEM	REQUIRED? YES	REQUIRED? NO	REMARKS
1704.6.1	STRUCTURAL OBSERVATIONS-SEISMIC		X	NOT SDC D, E, OR F
1704.6.2	STRUCTURAL OBSERVATIONS-WIND		X	NOT RISK CAT III OR IV
1704.2.5	FABRICATOR		X	REQUIRED OF FABRICATED ITEMS
1705.2	STEEL-FABRICATION ANCHORING SYSTEM		X	PER PEMB PLANS
1705.3	CONCRETE	X		PER FOUNDATION PLANS
1705.4	MASONRY		X	PER PLANS
1705.5	WOOD		X	ONLY WHERE PREFABRICATED STRUCTURAL ELEMENTS
1705.6	SOILS	X		AS APPLICABLE WITH WORK, ANY SITE FILL OR SOIL IMPROVEMENT WORK
1705.7,8,9	DRIVEN, CAST DEEP, PILE FOUNDATIONS		X	NONE
1705.13	SPRAYED FIRE-RESISTANT MATERIALS		X	NONE
1705.14	FIREPROOFING		X	NONE
1705.15	E.I.F.S.		X	NONE
1705.17	SMOKE CONTROL		X	NONE
1705.11	WIND-RESISTANCE		X	PER PEMB PLANS
1705.11.1	WIND-WOOD		X	EXCEPTION ONLY WHERE CONNECTOR SPACING > 4 "
1705.11.2	WIND-COLD FORM LIGHT FRAME	X		PER PLANS
1705.11.3	WIND-ROOF SHEATHING, WALL COVERING, CONNECTIONS TO ROOF	X		PER PLANS
1705.12	SEISMIC - RESISTANCE		X	PER PLANS
1705.12.1	SEISMIC - STRUCTURAL STEEL	X		PER PLANS
1705.12.2	SEISMIC - STRUCTURAL WOOD	X		EXCEPTION ONLY WHERE CONNECTOR SPACING > 4"
1705.12.3	SEISMIC - COLD FORMED STEEL LIGHT FRAMING	X		EXCEPTION ONLY WHERE CONNECTOR SPACING > 4"
1705.12.7	SEISMIC - STORAGE RACKS AND ACCESS FLOORS		X	EXCEPTION WHERE SCD = D, E, OR F
1705.12.5	SEISMIC - ARCHITECTURAL COMPONENTS - INTERIOR/EXTERIOR NON-LOAD BEARING WALLS AND VENEER IN STRUCTURES		X	EXCEPTION WHERE SCD = D, E, OR F
1705.12.6	SEISMIC - MECHANICAL AND ELECTRICAL COMPONENTS	X		EXCEPTION WHERE NOT EMERGENCY POWER, OR HARDOUS/COMBUSTIBLE FLUIDS OR GASES

ADDITIONAL INSPECTION NOTES:

1. AUTOMATIC SPRINKER SYSTEMS/INSPECTIONS ARE NOT REQUIRED WITH THIS PROJECT
2. WHERE APPLICABLE ANY AND ALL FIRE ALARM SYSTEM INSPECTIONS ARE TO BE PROVIDED BY OTHERS
3. SEE SPECIAL INSPECTION REQUIREMENTS WITHIN SPECIFICATIONS PACKET FOR RESPONSIBILITIES AND EXECUTION

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE · 25775 · LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

PLAN DATA

PROJECT NUMBER	SHEET
1519 B	G1.0
DATE: 1-14-21	
SCALE AS NOTED	

DESIGN LIVE LOADS

PER KBC TABLE 1607.1

ASSEMBLY AREAS (COMMON):	100 PSF
OFFICES:	50 PSF
OFFICE CORRIDORS ABOVE FIRST FLOOR:	80 PSF
OFFICES ABOVE FIRST FLOOR:	80 PSF
OFFICE LOBBIES:	100 PSF
CATWALKS:	40 PSF
BALCONIES AND DECKS:	SAME AS OCCUPANCY
DINNING ROOMS:	100 PSF
FIRE ESCAPES:	100 PSF
FIRE ESCAPES (SINGLE FAMILY):	40 PSF
STAIRS:	100 PSF
STAIRS (SINGLE FAMILY):	40 PSF
MERCANTILE, FIRST FLOOR:	100 PSF
MERCANTILE, UPPER FLOORS:	75 PSF
MERCANTILE, WHOLESALE; ALL FLOORS:	125 PSF
MANUFACTURING HEAVY:	250 PSF
MANUFACTURING LIGHT:	125 PSF
STORAGE HEAVY:	250 PSF
STORAGE LIGHT:	125 PSF
WALKWAYS AND ELEVATED PLATFORMS:	60 PSF
SIDEWALKS, DRIVEWAYS, ETC:	250 PSF (W/ 8000 # POINT LOAD)

WIND DESIGN DATA - ASCE7-10

OCCUPANCY CATEGORY (TABLE 1-1 ASCE 7-10)	IV
EXPOSURE CATEGORY	B
STRUCTURE TYPE:	ENCLOSED FRAMED, GABLE ROOF
ROOF PITCH:	9.5°
GUST EFFECT FACTOR:	0.85
DIRECTION EFFECT FACTOR:	0.85
TYPE OF ENCLOSURE:	ENCLOSED
TOPOGRAPHY FACTOR:	1.0
BASIC WIND SPEED	120 mph
GUST EFFECT CONSIDERED ?:	YES
PEAK VELOCITY PRESSURE:	BY OTHERS

SEISMIC DESIGN DATA - ASCE7-10

OCCUPANCY CATEGORY	IV
IMPORTANCE FACTOR	1.5
COUNTY:	PULASKI
SEISMIC ANALYSIS METHOD	ASCE 7, EQUIV. LATERAL FORCE
SEISMIC RESISTING SYSTEM	STEEL FRAME
Ss	0.182
S1	0.099
Sds	BY OTHERS
Sd1	BY OTHERS
SITE CLASS	D
RESULTANT SEISMIC DESIGN CATEGORY:	C
(h) MAX. BUILDING HEIGHT ABOVE BASE	LESS THAN 32'
EFFECTIVE SEISMIC WEIGHT OF BUILDING (W)	BY OTHERS
RESULTING RESPONSE MOD COEFFICIENT (R)	BY OTHERS
SEISMIC RESPONSE COEFFICIENT (Cs)	BY OTHERS
RESULTANT SEISMIC DESIGN BASE SHEAR	BY OTHERS

BUILDING FLOOR DESIGN LOADS

COUNTY:	PULASKI
IMPORTANCE CATEGORY:	IV
FLOOR LIVE LOAD:	SEE LIVE LOAD TABLE, LIGHT STORAGE
MEZZ. FLOOR FINISH LOAD:	1.0 PSF
MEZZ. FLOOR DECKING/SHEATHING DEAD LOAD:	2.5 PSF
MEZZ. FLOOR JOIST CEILING FINISH DEAD LOAD:	1.0 PSF
ADDITIONAL COLLATERAL LOADS ON MEZZ. FLOOR:	
-HVAC:	1.0 PSF
-LIGHTING:	1.0 PSF
-SPRINKLER SYSTEM (WET):	NA

INSULATION REQUIREMENTS

1. PEMB ROOF: RECOMMENDED TO MEET INSTALLED VALUE OF R38, RECOMMEND PEMB INSULATION PACKAGE PLUS SIMPLE SAVER INSULATION PACKAGE
2. FOUNDATION WALL/SLAB EXTERIOR PERIMETER: R10 CONTINUOUS, FROM TOP OF SLAB/FLOOR TO TOP OF FOOTING
3. NON PEMB WALLS: MUST MEET COMBINED/INSTALLED VALUE OF R19 OR GREATER. SEE WALL TAGS
4. PEMB W/ STUD FURRING WALLS: TO MEET COMBINED/INSTALLED VALUE OF R19. RECOMMENDED PEMB INSULATION PACKAGE PLUS CELLULOSE FILL INSULATION IN STUD FURRING UNLESS OTHERWISE NOTED
5. INFILTRATION SEALING MUST BE PROVIDED
6. UTILITY STORAGE AREA ABOVE OFFICES WALLS MUST MEET R19, CEILING MUST MEET R38, BOTH WITH SIMPLE SAVER INSULATION SYSTEM

ENERGY RELATED REQUIREMENTS

1. SEE OTHER DETAILS RELATED TO ENERGY PERFORMANCE
2. ALL WINDOWS AND GLAZING MUST MEET THE FOLLOWING REQUIREMENTS:
   - 2.1. GLAZING MUST BE DOUBLE PANE, LOW-E, MIN. ½" THICK, WITH TINT OR MEET THE FOLLOWING REQUIREMENTS: U<=0.55 AND SHGC<=0.60
   - 2.2. WHERE METAL FRAME, FRAMING MUST INCORPORATE THERMAL BLOCKS
   - 2.3. WHERE SHOWN ON PLANS, AWNINGS OR COVERINGS MUST BE PROVIDED TO SHADE AT LEAST 60% OF THE GLAZING
   - 2.4. ALL DOCUMENTATION ASSOCIATED WITH WINDOW SYSTEMS, INCLUDING PERFORMANCE DATA MUST BE RETAINED FOR INSPECTION & STICKERS DETAILING PERFORMANCE MUST BE LEFT ON WINDOWS FOR INSPECTION
3. DOORS MUST MEET THE FOLLOWING REQUIREMENTS:
   - 3.1. GLAZING MUST BE MIN. DOUBLE PANE W/ LOW-E, TINTED, MIN. PERFORMANCE OF U=0.8 SHGC=0.6
   - 3.2. WEATHERSTRIPPING/SEALING MUST BE PROVIDED TO LIMIT INFILTRATION
   - 3.3. WHERE APPLICABLE, BLANK METAL DOORS MUST BE FULLY INSULATED CORES WITH, MIN. U=0.65 OVERALL
   - 3.4. OVERHEAD DOORS MUST BE FULLY INSULATED TO A MIN. VALUE OF R10 AND SEALED FROM INFILTRATION

OVERHEAD DOOR NOTES

1. SEE OTHER DETAILS AND NOTES RELATED TO ENERGY PERFORMANCE AND OVERHEAD DOORS SHOWN ON PLANS
2. DOORS MUST BE PROPERLY SEALED FROM INFILTRATION WHEN CLOSED, INCLUDING SIDES AND TOP, INSTALLER TO PROVIDE DOCUMENTATION REGARDING APPROPRIATE INFILTRATION SEALING.
3. ALL DOORS ARE TO BE ELECTRONICALLY OPEN/CLOSE W/ A MANUAL UN-POWERED BACKUP SYSTEM TO OPEN/CLOSE.
4. ALL DOORS ARE TO HAVE AN EXPANDED POLYSTERENE OR URETHANE CORE (MIN. R 12) WITH NEOPRENE WEATHER STRIPPING / SEALING ALL AROUND (SIDES AND TOP) TO COMPLETELY SEAL DOOR. INSTALLER TO PROVIDE DOCUMENTATION REGARDING APPROPRIATE INFILTRATION SEALING.
5. MIN. OF 5 YEAR PARTS AND LABOR WARRANTY REQUIRED ON DOOR SYSTEM(S).

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE 25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

PLAN DATA

PROJECT NUMBER	SHEET
1519 B	G2.0
DATE: 1-14-21	
SCALE AS NOTED	

GENERAL NOTES

1. EACH CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING AND AT THE START OF AND DURING CONSTRUCTION. IF ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS ARE FOUND, THE ENGINEER SHALL BE NOTIFIED IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
2. ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL CODES AND REGULATORY AGENCIES HAVING JURISDICTION IN THIS AREA. IF THE CONTRACTOR ASCERTAINS AT ANY TIME THAT REQUIREMENTS OF THIS CONTRACT CONFLICT WITH, OR ARE IN VIOLATION OF, APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, HE SHALL NOT PROCEED WITH WORK IN QUESTION, EXCEPT AT HIS OWN RISK, UNTIL THE ENGINEER HAS BEEN NOTIFIED IN WRITING AND WRITTEN DETERMINATION IS MADE BY THE ENGINEER.
3. WHERE COMPLETED OR PARTIALLY COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION WITH APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK FROM THE PROJECT AND REPLACE SUCH WORK WITH ALL NEW COMPLYING WORK AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
4. ALL SECTIONS, DETAILS, MATERIALS, AND METHODS SHOWN AND / OR NOTED ON ANY SHEET SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS NOTED OTHERWISE.
5. NO CONTRACTOR HAS THE AUTHORITY TO PERMIT THE USE OF ANY PORTION OF THE SITE OR BUILDING TO ANYONE, EXCEPT FOR BUSINESS CONNECTED TO THE CONSTRUCTION WITH WHICH THIS CONTRACT IS CONCERNED.
6. DIMENSIONS SHOWN ON FLOOR PLANS ARE TO FINISH FACE OF STUD, MASONRY OR CONCRETE TO FACE OF STUD, MASONRY, AND CONCRETE OR GRIDLINES.
7. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS GIVEN.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATIONS.
9. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES.
10. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.
11. ABBREVIATIONS THROUGHOUT THE PLANS ARE THOSE IN COMMON USE. NOTIFY THE ENGINEER OF ANY ABBREVIATIONS IN QUESTION.
12. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS, DESIGN REVIEW FEES, AND ALL OTHER FEES, AND INSPECTIONS REQUIRED BY LOCAL, STATE, AND FEDERAL AGENCIES.
13. FINISH FLOOR ELEVATIONS ARE AS ESTABLISHED DATUM LINE, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICE NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS DESIGNATED (N.I.C.) OR (O.F.O.I.).
14. ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS AND THE CONTRACT DOCUMENTS.
15. THE CONTRACTOR'S SHALL BE RESPONSIBILITY FOR COORDINATION WITH THE LAYOUT, STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANT'S WORK AND TO BRING ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER'S ATTENTION IN WRITING FOR CLARIFICATION, IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO THE ENGINEER, HIS CONSULTANTS OR THE OWNER.
16. IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, SPECIFICATIONS SHALL TAKE PRECEDENCE. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICT BEFORE PROCEEDING WITH THE WORK.
17. ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER, ENGINEER OR CONSULTANTS.
18. CONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING BUT NOT LIMITED TO THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS, WHICH MIGHT ENDANGER VISITORS, AND STAFF OF THE OWNER OR ENGINEER.
19. ALL TRENCHES OR EXCAVATIONS IN EXCESS OF 5' IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, SHALL COMPLY WITH ALL OSHA, STATE AND LOCAL REQUIREMENTS.
20. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES AND OF ALL FLOOR-MOUNTED OR CEILING SUSPENDED EQUIPMENT. ALL WOOD BLOCKING / NAILERS SHALL BE PRESSURE TREATED WHEN IN CONTACT WITH CONCRETE OR MASONRY.
21. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE (CEILING HEIGHT DIMENSIONS ARE TO THE FINISH SURFACE OF CEILING).
22. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHEREVER REQUIRED BY THE BUILDING CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT, WHETHER OR NOT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL COORDINATE SIZE, LOCATION AND TYPE OF ACCESS PANEL WITH OTHER CONTRACTOR'S WORK.
23. WHEN IT IS NECESSARY TO INTERRUPT ANY EXISTING UTILITY SERVICE TO MAKE CORRECTION AND/OR CONNECTION, A MINIMUM OF 48 HOURS ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER AND UTILITY COMPANY. INTERRUPTIONS IN UTILITY SERVICES SHALL BE OF THE SHORTEST POSSIBLE DURATION FOR THE WORK AT HAND AND SHALL BE APPROVED IN ADVANCE BY THE OWNER AND UTILITY COMPANY. IN THE EVENT THE UTILITY SERVICE IS INTERRUPTED WITHOUT THE REQUIRED 48 HOURS' NOTICE, THEN THE CONTRACTOR SHALL BE FINANCIALLY LIABLE FOR ALL DAMAGES SUFFERED BY THE OWNER DUE TO THE UNAUTHORIZED INTERRUPTION. RECONNECTION SHALL BE MADE IMMEDIATELY.
24. THE CONTRACTOR SHALL COORDINATE WITH REPRESENTATIVES OF WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TELEVISION COMPANIES TO VERIFY AVAILABLE FACILITIES AND IF APPLICABLE TO ESTABLISH TEMPORARY FACILITIES.
25. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BELOW GRADE AND RELATED SERVICES CONNECTIONS WITH THE RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT, AND OR RELOCATION OF EXISTING UTILITIES ABOVE OR BELOW GRADE WITH THE RESPECTIVE UTILITY COMPANIES.
26. ONLY NEW MATERIALS AND EQUIPMENT OF RECENT MANUFACTURE, OF QUALITY SPECIFIED, FREE FROM DEFECTS, WILL BE PERMITTED ON THE WORK. THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING COURSE OF CONSTRUCTION AND SHALL REPLACE AND OR REPAIR ALL DAMAGED SURFACES CAUSED BY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ENGINEER.
27. CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE OWNER'S PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS, CONFORM TO PERTAINING FEDERAL STATE AND LOCAL LAWS, REGULATION AND ORDERS. UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM-CLEAN AND FREE FROM DEBRIS. CLEAN ALL DUST, DIRT, STAINS, HAND MARKS, PAINT SPOTS, DROPPINGS, AND OTHER BLEMISHES.
28. SUBSTITUTIONS: REFERENCE TO MAKERS, BRAND, MODELS, ETC. IS TO ESTABLISH THE TYPE AND QUALITY DESIRED: SUBSTITUTION OF ACCEPTABLE EQUIVALENTS WILL BE PERMITTED IF APPROVED BY THE OWNER
29. SHOP DRAWINGS SENT TO THE ENGINEER THAT HAVE NOT BEEN REVIEWED BY THE CONTRACTOR AND NOT BEARING THE SHOP DRAWING STAMP AND SIGNATURE OF THE CONTRACTOR WILL BE RETURNED TO THE CONCENTRATOR NOT REVIEWED.
30. TEMPORARY FACILITIES: THE CONTRACTOR SHALL PROVIDE A STAGING AND MATERIAL STORAGE AREA OF CONSTRUCTION. LOCATION SHALL BE COORDINATED WITH THE OWNER.
31. THE CONTRACTOR SHALL MAKE NECESSARY CONNECTIONS TO EXISTING UTILITIES FOR TEMPORARY POWER AND WATER SUPPLIES, AND SHALL COORDINATE SUCH USE WITH THE OWNER PRIOR TO CONNECTION.
32. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES TO SEPARATE CONSTRUCTION AREAS FOR PUBLIC SAFETY AROUND ENTIRE PERIMETER OF CONSTRUCTION AREA.
33. PROVIDE OPERATING MAINTENANCE BROCHURES AND GUARANTEES AS REQUIRED.

FOUNDATION EXCAVATION SPECIFICATIONS

1. SITE INFORMATION HAS BEEN DEVELOPED FROM SEVERAL SOURCES, IT SHALL THEREFORE, BE THE RESPONSIBILITY OF ALL CONTRACTORS AND SUBCONTRACTORS TO VERIFY ALL SITE INFORMATION BEFORE PROCEEDING WITH ANY EXCAVATION WORK. IT IS ALSO TO BE ASSUMED THAT SUBGRADE CONDITIONS ARE UNKNOWN AND THE CONTRACTOR IS TO PROCEED WITH CAUTION DURING ALL EXCAVATION WORK. DURING EXCAVATION IF ANY UNANTICIPATED ARTIFACTS, BONE FRAGMENTS, EXISTING FOUNDATIONS, STRUCTURES, OR OTHER ABNORMAL CONDITIONS ARE DISCOVERED, CONTRACTOR IS TO STOP WORK AND INFORM THE OWNER AND ENGINEER IMMEDIATELY.
2. EXCAVATION SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. RETENTION BASINS AND/OR CONTINUOUS PERIMETER SILT BARRIERS SHALL BE CONSTRUCTED PRIOR TO ANY OTHER SITE WORK, AND SILT CONTROL BARRIERS SHALL BE INSTALLED IF REQUIRED TO PREVENT SILT AND MUD EROSION ONTO OTHER PROPERTIES, INTO DRAINAGE OPENINGS, OR ONTO ADJACENT PAVEMENT AREAS. SILT CONTROL STRUCTURES SHALL BE PERIODICALLY CLEANED AND/OR REPLACED, AS NEEDED, DURING PROJECT CONSTRUCTION. SEDIMENT FILTERS SHALL BE PROVIDED AT ANY AREAS OF NEW SITE WORK WHERE SURFACE RUNOFF IS ANTICIPATED.
3. WHERE APPLICABLE, CONTRACTOR IS NOT TO EXCAVATE BELOW ANY EXISTING FOUNDATIONS UNLESS DIRECTED TO DO SO PER THE PLANS OR THE ENGINEER
4. SOIL BEARING: PRIOR TO CONSTRUCTION, ALL EXISTING TOP SOIL, ORGANIC MATERIAL FILL, ABANDONED CONCRETE, AND ALL WET, SOFT, LOOSE, OR OTHERWISE UNDESIRERABLE SOIL SHALL BE REMOVED FROM SITE. CONTRACTOR IS RESPONSIBLE FOR PROOF ROLLING ALL EXPOSED SUBGRADE TO VERIFY SUITABILITY AND PRIOR TO PLACING ANY FILL.
5. SITE GRADES AROUND THE BUILDING AND PAVEMENT AREAS SHALL BE GRADED DURING CONSTRUCTION TO PREVENT PONDING. ANY SURFACE WATER ACCUMULATION IN THE BUILDING PAVEMENT AREAS SHALL BE DRAINED IMMEDIATELY TO AVOID SATURATION OF THE SUBGRADE SOILS
6. SITE GRADING SHALL BE MAINTAINED DURING CONSTRUCTION SO THAT POSITIVE DRAINAGE IS PROMOTED AWAY FROM THE BUILDING SITE, FINAL GRADING OF THE SITE SHALL PROVIDE SURFACE RUNOFF AWAY FROM ALL IMPROVEMENTS.
7. BUILDING EXCAVATION, FOUNDATION AND FILLING; EXCAVATE TO ELEVATIONS AND DIMENSIONS INDICATED, PLUS EXTRA SPACE AS NEEDED FOR CONSTRUCTION MANEUVERING AND FOUNDATION INSPECTION. IF FOOTINGS AND/OR FOUNDATIONS ARE "OVER DUG" OR WIDER THAN INDICATED ON THE DRAWINGS, THE EXCESS CUT SHALL BE FILLED MONOLITHICALLY WITH CONCRETE ALONG WITH REGULAR FOOTINGS.
8. BACKFILL ONLY AFTER FOUNDATION INSULATION HAS BEEN INSTALLED. USE ONLY CLEAN BACKFILL FREE OF ORGANIC MATTER AND FREE OF ROCKS OVER 1" DIAMETER.
9. ALL EARTH UNDER SLABS TO BE UNDISTURBED OR PUT DOWN IN 6" LIFTS AND COMPACTED WITH A GASOLINE POWERED COMPACTOR TO 95% AND HARD DENSITY (PROCTOR).
10. ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL OR APPROVED COMPACTED FILL AS SPECIFIED BELOW.
11. MINIMUM FOOTING DEPTHS ARE PROVIDED ON PLANS, HOWEVER, SUCH DEPTHS ARE NOT TO BE PRIORITIZED OVER SPECIFIED DESIGNED BEARING CAPACITY AS NOTED ON THE DRAWINGS.
12. ALL FOUNDATION EXCAVATIONS ARE TO BE FINISHED BY HAND.
13. WHEN NECESSARY, EXCAVATIONS SHALL BE SECURED WITH APPROVED SHORING, SHEETING OR BRACING WHICH MAY BE REMOVED AS BACKFILLING PROGRESSES, SO LONG AS BANKS ARE SAFE AGAINST CAVING, KEEP EXCAVATION FREE OF WATER, DO NOT DISCHARGE WATER IN SUCH A MANNER TO CAUSE EROSION OR TO CREATE A NUISANCE WHEN FREEZING TEMPERATURES MAY BE EXPECTED, DO NOT MAKE EXCAVATIONS TO FULL DEPTHS UNLESS CONCRETE CAN BE POURED IMMEDIATELY.
14. PRIOR TO PLACEMENT OF ANY SUBGRADE FILL SHALL BE SCARIFIED TO A DEPTH OF 12". COMPACT EXPOSED GRADED PROOF-ROLLING TO 95% OF STANDARD PROCTOR DENSITY, S.P.D., ASTM0698. IF EXCESSIVE "PUMPING" IS OBSERVED, CONSULT WITH A QUALIFIED ENGINEER TO FORMULATED RECOMMENDATIONS SUCH AS UNDERCUTTING AND PLACEMENT OF SUITABLE MATERIAL IN THE EXCAVATION TO ACHIEVE COMPACTION REQUIREMENTS. ALL FILL BELOW SLABS ON GRADE SHALL BE COMPACTED TO 95% S.P.D. AT +/-2% OF OPTIMUM MOISTURE CONTENT. ALL FILL IN THE BEARING ZONE BELOW FOOTINGS SHALL BE COMPACTED TO 100% OF S.P.D. AT +/-2% OF OPTIMUM MOISTURE CONTENT.
15. RULES AND REGULATIONS GOVERNING SITE AND BUILDING UTILITIES SHALL BE OBSERVED IN EXECUTING ALL WORK.
    a. CONTRACTOR SHALL NOTIFY KENTUCKY 811, 48 HOURS PRIOR TO EXCAVATION
    b. LOCATE EXISTING UNDERGROUND UTILITIES BY CAREFUL HAND EXCAVATION BEFORE STARTING ANY SITE WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE PROTECTION FROM DAMAGE DURING CONSTRUCTION OPERATION. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE OWNER AND THE PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING SERVICES AND FACILITIES IN OPERATION. REPAIR UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER.
    c. ANY INACTIVE OR ABANDONED UTILITIES ENCOUNTERED IN EXCAVATING AND GRADING OPERATIONS SHALL BE REMOVED, PLUGGED, OR CAPPED AT LEAST 3' OUTSIDE NEW BUILDING WALLS OR AS REQUIRED BY THE LOCAL REPRESENTATIVE.
16. PRIOR TO FORMING AND CONCRETE PLACEMENT, REMOVE ALL LOOSE SOIL AND WATER.

CONCRETE SPECIFICATIONS

1. ALL NEW CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH NORMAL WEIGHT STONE AGGREGATE, AND NO GREATER THAN A 5" SLUMP, UNLESS OTHERWISE SPECIFIED. MIX AND MATERIALS SHALL MEET ALL REQUIREMENTS OF PREVAILING CODES.
2. REBAR: TO BE DEFORMED & MINIMUM OF GRADE 60 (60,000 PSI). BARS ARE TO COMPLY WITH ASTM A615 WHERE BENT. LAP BARS 48 BAR DIAMETERS MIN. VERTICALLY, HORIZONTALLY, AND AROUND CORNERS. STAGGER ALTERNATE SPLICES A MINIMUM OF ONE LAP LENGTH. ALL SPLICES SHALL BE IN AN AREA OF COMPRESSION. BARS SHALL BE AT LEAST 2" CLEAR TO EXTERIOR SURFACE OF CONCRETE.
3. REINFORCING STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH ACI-315
4. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTING AND WALLS.
5. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.
6. ALL REINFORCING BAR BENDS SHOULD BE MADE MECHANICALLY. HEAT-BENDING SHOULD NOT BE PERMITTED.
7. REINFORCING BAR PLACEMENT TOLERANCE SHALL BE IN ACCORDANCE WITH SECTIONS 7.5, 7.6, AND 7.7 OF THE ACI 318, CURRENT EDITION.
8. ALL CONCRETE FLOOR SLAB WORK SHALL CONFORM TO GUIDE ACI 302.1 CURRENT EDITION
9. FIELD WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
10. REINFORCING BAR PROTECTION:
    10.1. CONCRETE PLACED AGAINST EARTH = 3"
    10.2. CONCRETE PLACED IN FORMS (EXPOSED TO WEATHER OR EARTH) = 2"
    10.3. SLABS AND WALLS (NOT EXPOSED TO WEATHER) = 3/4"
11. FOUNDATION: CONSTRUCTION SHALL COMPLY WITH ACI 318.
12. FOUNDATION REINFORCEMENT SHALL NOT BE IN CONTACT WITH SOIL, SUPPORT WITH BARS OR CHAIRS
13. EXTERIOR SLABS, WALKS, PAD INSTALLATIONS, AND APPLICATIONS SHALL COMPLY WITH ACI 301.
14. STRUCTURAL CONCRETE SHALL COMPLY WITH CODE REQUIREMENTS
    14.1. ALL STONE FILL TO BE NO. 57 (OPEN GRADE STONE)
    14.2. PORTLAND CEMENT - TYPE I OF I ASTM C 150
    14.3. NORMAL WEIGHT AGGREGATES - ASTM C 33
    14.4. WATER - POTABLE
    14.5. READY-MIX CONCRETE - COMPLY WITH REQUIREMENTS OF ASTM C 9
    14.6. AIR-ENTRAINING ADMIXTURE FOR WALKS & EXTERIOR SURFACES - ASTM C 260, 5% TO 7%
    14.7. MOISTURE BARRIER - 6 MIL POLYETHYLENE
    14.8. CAULKING - TRAFFIC GRADE, TO RELATIVELY MATCH COLOR OF ADJACENT EXPOSED SURFACE OF CONCRETE SLAP
    14.9. EXPANSION JOINT - ASPHALT IMPREGNATED FIBERBOARD, MINIMUM OF 1/2" THICK, UNLESS OTHERWISE SHOWN ON DRAWINGS
15. EXPANSION JOINTS SHALL BE SET A MINIMUM OF 1/2" BELOW THE FINISH CONCRETE SURFACE. FILL JOINTS WITH TRAFFIC GRADE CAULKING. TOOL CONTROL JOINTS IN WALKS AT 5' +/- ON-CENTER. JOINTS SHALL BE A MINIMUM OF 1.5" DEEP WITH APPROXIMATELY A 1.5" FLAT TOOLED BORDER AT EACH SIDE OF JOINT.
16. EDGES SHALL BE FINISHED WITH A STEEL RADIUSED EDGING TOOL LEAVING APPROXIMATELY A 1.5" FLAT BORDER AT EACH FINISHED EDGE.
17. STEEL TROWEL AND BROOM FINISH WALKS. BROOMING SHALL BE APPLIED IN ALTERNATE DIRECTIONS. WALKS SHALL BE BROOMED IN THE DIRECTION OF SLOPE. WATER SHALL NOT SET OR POND. SURFACES TO BE CROWNED A MINIMUM OF 1/8" PER FOOT.
18. STEEL TROWEL FINISH AND SLOPE A MINIMUM OF 1/8" PER FOOT AT ALL CONCRETE PADS, ADD NON-SLIP (BROOM) FINISH WHERE NECESSARY.
19. UNLESS OTHERWISE SHOWN, FLOOR SLABS SHALL BE POURED WITH A 4,000 PSI MIX HAVING NOT OVER A 5" SLUMP AND SHALL BE SCREEDED TO PROPER SLOPE OR LEVEL AND FLOATED TO A TRUE, EVEN FINISH. NO ANTIFREEZE SHALL BE USED IN MIXTURE. ALL NEW FLOOR SLABS ARE TO BE SMOOTH-TROWELED FINISH, FREE FROM MARKS AND BLEMISHES.
20. UNLESS OTHERWISE SHOWN, ALL INTERIOR CONCRETE SLABS ON GRADE SHALL BE BOUNDED BY CONSTRUCTION JOINTS (SAW CUT) SUCH THAT, UNLESS OTHERWISE DETAILED, THE ENCLOSED AREA DOES NOT EXCEED 225 SQ. FT. SAW CUT DEPTHS ARE TO BE 25% OF THE SLAB THICKNESS. ALL OTHER JOINTS MAY BE SAW CUT OR CREATED WITH "ZIP STRIPS". POSITION CUTS UNDER WALLS AS POSSIBLE. FILL ALL JOINTS WITH POLYUREA JOINT FILLER RATED FOR EQUIVALENT SLAB LOADING AND USE, FILLER TO BE COMPATIBLE WITH CONSTRUCTION MATERIAL PLACED AGAINST IT. SAW CUTS ARE TO BE MADE WITHIN 7 HOURS OF THE START OF CONCRETE POUR, OR AS SOON AS CONCRETE CAN SUPPORT THE EQUIPMENT WITHOUT SURFACE DAMAGE.
21. DRYING AND CURING: ALL CONCRETE SHALL BE PROTECTED FROM TOO RAPID DRYING PER ACI SPECIFICATIONS.
22. ALL NEW CONCRETE FLOOR SLABS AND WALKS SHALL BE A MINIMUM OF 4" THICK, UNLESS OTHERWISE SPECIFIED.
23. REPAIRS MUST BE MADE TO EXISTING CONCRETE SURFACES THAT CONTAIN SURFACE DEFECTS SUCH AS CRAZING, CRACKS IN EXCESS OF 0.01" WIDE, AND CRACKS WHICH PENETRATE COMPLETELY THROUGH EXISTING SLAB SECTIONS REGARDLESS OF WIDTH, SPALLING, POPOUTS, AND OTHER OBJECTIONABLE CONDITIONS.
24. REPAIRS MUST BE MADE TO DEFECTIVE AREAS (EXCEPT RANDOM CRACKS AND SINGLE HOLES NOT EXCEEDING 1" DIAMETER) BY CUTTING OUT AND REPLACING WITH FRESH CONCRETE. REMOVE DEFECTIVE AREAS TO SOUND CONCRETE WITH CLEAN, SQUARE CUTS AND DAMPEN CONCRETE SURFACES IN CONTACT WITH PATCHING CONCRETE, AND APPLY BONDING COMPOUND. MIX PATCHING CONCRETE OF SAME MATERIALS TO PROVIDE CONCRETE OF SAME TYPE OR CLASS AS ORIGINAL CONCRETE. PLACE, COMPACT, AND FINISH TO BLEND WITH ADJACENT FINISHED.
25. SLABS, FOOTINGS, AND WALLS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT THIRD POINT OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL SHEAR KEYS UNLESS OTHERWISE SHOWN.

SPECIAL INSPECTIONS

1. ALL FIELD SPECIAL INSPECTIONS ARE TO BE PROVIDED BY OTHERS.
2. OWNER AND CONTRACTOR ARE RESPONSIBLE FOR RETAINING AND COORDINATING WITH SPECIAL INSPECTION ENTITY.
3. ALL SPECIAL INSPECTION AND ANY RELATED INSPECTION ENTITIES ARE TO COMPLY WITH ASTM E329 IN RELATION TO ALL INSPECTION SERVICES.
4. APPROVED LABORATORY TESTING SHALL BE PROVIDED PER ASTM E329
5. CONTRACTOR SHALL PROVIDE SPECIAL INSPECTION ENTITY WITH ANY REQUESTED RECEIPTS OR DOCUMENTATION WITHIN A REASONABLE PERIOD OF TIME RELATIVE TO THE EXECUTION OF THEIR SERVICES.
6. WHERE REQUIRED, CONTINUOUS INSPECTION PROCEDURES SHALL COMPLY WITH THE FOLLOWING CONDITIONS:
    a. CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTION ENTITY PRIOR TO PERFORMING ANY WORK REQUIRING CONTINUOUS INSPECTION.
    b. ANY WORK COMPLETED BY THE CONTRACTOR WITHOUT SPECIAL INSPECTION ENTITY PRESENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE
7. WHERE REQUIRED, PERIODIC INSPECTION PROCEDURES SHALL COMPLY WITH THE FOLLOWING CONDITIONS:
    a. CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTION ENTITY AT THE POINT WHEN WORK IS DEEMED READY FOR INSPECTION.
    b. ANY WORK THAT SUBSEQUENTLY HIDES WORK TO BE INSPECTED BY SPECIAL INSPECTION ENTITY, BUILDING CODE INSPECTOR, ENGINEER/ENGINEER'S CONSULTANTS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE
8. WHERE REQUIRED TESTING SHALL INCLUDE:
    a. SOILS: PER PREVAILING BUILDING CODE OR IBC 2015 SECTION 1705.6, WHICHEVER IS MORE STRINGENT
    b. MASONRY: PER PREVAILING BUILDING CODE OR IBC 2015 SECTION 1705.4, WHICHEVER IS MORE STRINGENT
    c. CONCRETE: SLUMP TESTS, CYLINDER TESTS, MIX DATES, DAILY POUR REPORTS, ENTRAINED AIR TESTS, AMBIENT TEMPERATURE, AND ALSO PER PREVAILING BUILDING CODE OR IBC 2015 SECTION 1705.3 AND TABLE 1705.3, WHICHEVER IS MORE STRINGENT
9. ALL REPORTS ASSOCIATED WITH INSPECTION AND TESTING ARE TO BE SENT TO OWNER, AND WHERE APPLICABLE THE PROJECT ENGINEER WITHIN A REASONABLE PERIOD OF TIME RELATIVE TO THE EXECUTION OF THE INSPECTIONS AND TESTING.
10. ALL SITE OBSERVATIONS WHERE REQUESTED BY OWNER OR ENGINEER ARE TO BE PROVIDED BY THE SPECIAL INSPECTION ENTITY OR OTHERS

STEEL BUILDING

1. METAL BUILDINGS SHALL BE DESIGNED, MANUFACTURED, ERECTED, AND CONSTRUCTED TO BE WEATHER TIGHT. THE BUILDING SHALL INCLUDE THE STRUCTURAL FRAMING, ROOF, WALL COVERING (IF APPLICABLE), TRIM, CLOSURES, AND ACCESSORIES HEREIN DESCRIBED.
2. THE BUILDING MANUFACTURER SHALL FURNISH COMPLETE ERECTION DRAWINGS SHOWING ANCHOR BOLT SETTINGS, COLUMN REACTIONS, SIDEWALL, ENDWALL AND ROOF FRAMING, TRANSVERSE CROSS-SECTIONS, COVERING AND FLASHING DETAILS, AND ACCESSORY INSTALLATION DETAILS TO CLEARLY INDICATE THE PROPER ASSEMBLY OF ALL BUILDING PARTS SUBMITTED DRAWINGS SHALL BE SIGNED/SEALED BY A LICENSED KENTUCKY ENGINEER.
3. THE DESIGN LOADS FOR THIS BUILDING SHALL COMPLY WITH LOADING REQUIRED BY THE "KENTUCKY BUILDING CODE" CHAPTER 16 AND NOTES ON THESE DRAWINGS.
4. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF AISC, 'SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STEEL FOR BUILDINGS.'
5. ALL COLD-FORMED STRUCTURAL MEMBERS AND EXTERIOR COVERING SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION FO THE AISI, 'SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.'
6. THE BUILDING COMPONENTS SHALL BE DESIGNED TO MEET THE MOST UNFAVORABLE EFFECT PRODUCED CONSIDERING ALL LOAD COMBINATIONS, SPECIFIED IN THE APPLICABLE CODE, USING THE FOLLOWING LOADS: DEAD, LIVE, WIND, SNOW AND EARTHQUAKE.
7. ROOF LIVE LOADS SHALL BE APPLIED TO THE HORIZONTAL ROOF PROJECTION. WIND LOADS SHALL BE ASSUMED TO ACT HORIZONTALLY AND SHALL BE APPLIED AS PRESSURE AND SUCTION IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE.
8. DESIGNS SHALL INCLUDE ALL MECHANICAL LOADS, CRANE LOADS, HEAVY PIPES, CATWALKS, STAGE RIGGING, ETC. PER ARCHITECTURAL, STRUCTURAL, AND MECHANICAL PLANS AND DETAILS.
9. ALL FRAMING MEMBERS SHALL BE SHOP-FABRICATED FOR BOLTED FIELD ASSEMBLY.
10. ALL HOT ROLLED STEEL SHEET, PLATE, AND STRIP FOR BUILT-UP SECTIONS SHALL HAVE A MINIMUM YIELD POINT OF 50,000 PSI. HOT ROLLED STRUCTURAL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPEC. A-36. TWELVE, FOURTEEN, FIFTEEN, AND SIXTEEN GAGE COLD FORMED SECTIONS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 62,500 PSI. GALVANIZED SHEET AND STRIP FOR STRUCTURAL FRAMING MEMBERS SHALL CONFORM TO ASTM SPECIFICATION A-446, GRADE A.
11. ALL SHOP CONNECTIONS SHALL BE BY WELDING IN ACCORDANCE WITH THE AWS 'STRUCTURAL WELDING CODE,' LATEST EDITION. WELDING SHALL BE BY SUBMERGED ARC OR GAS SHIELDING ARC PROCESS.
12. ALL FIELD CONNECTIONS SHALL BE BOLTED WITH ASTM SPECIFICATION A-307 OR A-325 AS SHOWN ON DRAWINGS. A-325 BOLTS SHALL BE TIGHTENED BY TURN OF THE NUT METHOD WHERE REQUIRED, CONNECTIONS IN THE SECONDARY MEMBERS SHALL BE MADE WITH SPECIAL OVAL HEAD BOLTS AND HEX NUTS. THE FRAYING SURFACES OF ALL BOLTED CONNECTIONS SHALL BE SMOOTH AND FREE FROM BURRS OR DISTORTIONS.
13. ALL FRAMING MEMBERS SHALL CARRY AN EASILY VISIBLE IDENTIFYING MARK.
14. WIND BRACING SHALL CONSIST OF DIAGONAL BRACING, WIND POSTS OR BENTS. DIAGONAL BRACING SHALL BE PROVIDED IN ROOF AS INDICATED ON DRAWINGS. DOUBLE ROOF PURLINS, INTER-CONNECTED BY DIAPHRAGMS, SHALL BE PROVIDED BETWEEN THE RIGID FRAMES AT ALL POINTS OF ATTACHMENT OF DIAGONAL ROOF BRACING.
15. WHERE PURLINS ARE FASTENED TO RIGID FRAMES, BLOCKING, CLIP CONNECTIONS SHALL BE PROVIDED TO PREVENT "ROLL" OF THE PURLINS. PURLINS SHALL BE LAPPED AND BOLTED FOR CONTINUITY TO PREVENT SCISSORING EFFECT OF THE MEMBERS OVER THE GIRDERS.
16. THE INSIDE OF ALL RIGID FRAMES SHALL BE BRACED LATERALLY BY ANGLES CONNECTED TO THE FLANGE AND WEB OF THE FRAME AND TO THE WEB OF THE PURLIN OR GIRT SO THAT THE ALLOWABLE COMPRESSIVE STRESS IS ADEQUATE FOR ANY COMBINATION OF LOADING.
17. TYPICAL ROOF, WALL, AND INTERIOR LINER PANELS SHALL BE 26 GAGE GALVANIZED STEEL OR GALVALUME STEEL COLD-FORMED PANELS.
18. ANCHOR BOLTS SHALL RESIST 100 PERCENT OF THE CRITICAL COLUMN REACTIONS (SHEAR AND TENSION) DETERMINED FROM THE LOAD COMBINATIONS. THE MANUFACTURER IS RESPONSIBLE FOR THE NUMBER OF BOLTS, ANCHOR BOLT DIAMETER, AND PROJECTION ABOVE THE CONCRETE FOUNDATION.

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25773
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
SPECIFICATIONS

PROJECT NUMBER: 1519 B
DATE: 1-14-21
SCALE: AS NOTED
SHEET: G3.0

MECHANICAL SPECIFICATIONS

1. ALL MECHANICAL INFORMATION SHALL BE CHECKED AND VERIFIED BY MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO ACQUIRE AND PAY FOR ALL PERMITS, INSPECTIONS AND RELATED FEES FOR THIS INSTALLATION. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS.
3. ALL DUCTWORK UNLESS SPECIFICALLY INDICATED, SHALL BE MIN. 26 GA. GALVANIZED SHEET METAL INSTALLED IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS: PRESSURE CLASS +2", SEAL CLASS B. DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS. ALLOWANCES MUST BE MADE FOR DUCT LINER WHERE CALLED FOR. OPTIONAL INSTALLATION INCLUDES: TRUNK LINES ARE TO BE FULLY WRAPPED W/ INSULATING DOUBLE BUBBLE FOIL WRAP (TEMPSHIELD™ DOUBLE BUBBLE FOIL OR EQUIVALENT MEETING FIRE RATING CLASS A/CLASS 1 AND 40 ASTM E84-08), FULLY TAPED & SEALED AT ALL JOINTS W/ NASHUA 322 SEALANT TAPE TO ACHIEVE A COMPLETE VAPOR BARRIER.
4. ALL SUPPLY DUCTWORK JOINTS SHALL HAVE DUCTMATE "35", TDC, "HARDCAST"OR OTHER APPROVED SEALER.
5. FLEX-DUCT MEETING INDUSTRY STANDARDS MAY BE USED FOR BRANCH LINES.
6. HEATING AND AIR CONDITIONING SYSTEMS SHALL BE THERMOSTATICALLY CONTROLLED, ADJUSTED, AND EVENLY BALANCED.
7. ALL HEATING, VENTILATING, AND AIR CONDITIONING WORK SHALL BE OF MATERIALS AND INSTALLED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE AND THE LATEST STANDARDS RECOGNIZED BY THE AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS AND BE PERFORMED BY A LICENSED KENTUCKY MASTER H.V.A.C. CONTRACTOR. ALL EQUIPMENT AND SYSTEMS ARE TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS ANY CONNECTION TO, OR RELOCATION OR REPLACING OF, EXISTING GAS LINES, METERS, AND UNDERGROUND GAS SERVICE SHALL BE COORDINATED WITH THE LOCAL GAS UTILITY PROVIDER. NO WORK IS TO BE PERFORMED WITHOUT THE APPROVAL OF PREVAILING AUTHORITIES.
8. DUCT INSULATION PERFORMANCE IN UNCONDITIONED SPACE MUST BE A MIN. OF R-6
9. DUCT INSULATION PERFORMANCE WHERE OUTSIDE OF THE BUILDING ENVELOPE OR INSTALLED WITHIN THE BUILDING ENVELOPE FRAME CONSTRUCTION, MUST BE A MIN. OF R-8
10. UNLESS OTHERWISE DIMENSIONED ON THE DRAWINGS, ALL DIFFUSERS, REGISTERS AND GRILLS SHALL BE LOCATED AESTHETICALLY WITH RESPECT TO LIGHTING, CEILING PATTERNS, DOORS, ETC.
11. MECHANICAL CONTRACTOR TO COORDINATE ALL WORK WITH THAT OF THE ELECTRICAL CONTRACTOR AND OTHERS.
12. UNLESS OTHERWISE NOTED, FURNACES AND/OR COILS TO HAVE DRIP PANS BELOW UNITS & CONDENSATION REMOVAL PUMPS WHERE DRAINS ARE NOT AVAILABLE. ALL DRIP PANS ARE TO INCLUDE AN OVERFLOW SENSOR TO EXECUTE EQUIPMENT SHUTDOWN AND ENERGIZE AUDIBLE ALARM.
13. DUCT SIZES (UNLESS OTHERWISE SHOWN), SHALL BE DETERMINED BY MECHANICAL CONTRACTOR TO SUPPLY CFM AS SHOWN. DUCTS ARE TO ALSO BE SIZED SUCH THAT SUPPLY & RETURN AIR VELOCITIES ARE LIMITED TO 1000 FPM FOR TRUNKS & 600 FPM FOR BRANCHES
14. UTILITY EXTERIOR PENETRATIONS ARE TO BE PROPERLY SEALED/FLASHED AS NEEDED. ALL POINTS OF AIR INFILTRATION ARE TO BE SEALED, USE SPRAY FOAM INSULATION (ASTM C1029-96) FOR PIPING PENETRATION SEALANT, DO NOT SPRAY FOAM THICKER THAN IS ALLOWED BY ASTM E84 FLAME SPREAD LIMITATIONS. WHERE VISIBLE TO THE EXTERIOR, FOAM IS TO BE CUT OR TRIMMED BACK FLUSH WITH SURFACE AND PROTECTED FROM SUNLIGHT USING EXTERIOR CAULK.
15. FLUID LINES FOR EXTERIOR UNITS ARE TO BE CONTINUOUSLY WRAPPED WITH INSULATION (MIN. 3/4" THICK), TAPED, AND PROTECTED FROM DAMAGE (DUE TO SUN, WIND, MOISTURE, ETC).
16. ALL EXTERIOR UNITS ARE TO HAVE AN EASILY ACCESSIBLE ELECTRICAL DISCONNECT BOX
17. WHERE DUCTWORK PENETRATES 2-HOUR FIRE BARRIER WALL, DUCTS SHALL BE PROTECTED WITH LISTED FIRE DAMPERS INSTALLED IN ACCORDANCE W/ THEIR LISTING.
18. AIR VENTILATION EXHAUST PENETRATIONS ARE TO BE SEPARATED FROM OUTSIDE AIR INTAKE VENTS BY A MINIMUM OF 15'-0"
19. ALL FRESH AIR WALL INTAKE VENTS ARE TO BE COMPOSED OF A NON CORROSIVE MATERIAL WITH A COVERING HOOD AND BIRDSCREEN.
20. ALL EXHAUST VENTS ARE TO BE COMPOSED OF A NON CORROSIVE MATERIAL WITH A COVERING HOOD, BIRDSCREEN, AND BACKDRAFT DAMPER.
21. WHERE APPLICABLE, ALL HVAC SYSTEMS (EXCLUDING PTAC OR THRU-WALL UNITS) ARE TO BE LINKED TO THE FIRE ALARM SYSTEM SUCH THAT WHEN THE FIRE ALARM IS ACTIVATED, THE HVAC SYSTEMS WILL DEACTIVATE.
22. THERMOSTATS ARE TO BE APPROVED BY OWNER FOR OPTIONAL CONTROLS AND LOCATIONS.
23. SMOKE DETECTORS INSTALLED AS SHOWN ON PLANS.
24. (IF DESIRED BY OWNER) ALL SMOKE DETECTORS SHALL BE INTERCONNECTED SUCH THAT THE ACTUATION OF ONE ALARM WILL ACTUATE ALL THE ALARMS AND WILL BE AUDIBLE IN ALL SLEEPING AREAS.
25. SMOKE DETECTORS BE A MINIMUM OF 36" FROM DUCT OPENINGS
26. (WHERE PRIMARILY POWERED BY ELECTRICAL SERVICE) ALL SMOKE DETECTORS TO BE PROVIDED WITH BATTERY BACK UP.
27. ALL MECHANICAL INSTALLATIONS ARE TO BE INSPECTED BY THE LOCAL MECHANICAL CODE ENFORCEMENT OFFICIAL AND ARE TO SUPPLY THE OWNER WITH A INSPECTION CERTIFICATE/PERMIT FROM SUCH OFFICIAL
28. WHERE ANY DUCTWORK EXISTS OUTSIDE OF CONDITIONED SPACE, ALL DUCTWORK IS TO BE COMPLETELY SEALED FROM LEAKAGE BY MEANS OF APPROVED MECHANICAL MASTIC SEALANTS. CONTRACTOR TO RETAIN RECEIPTS OR CONTAINERS FOR DOCUMENTATION OF COMPLIANCE.
29. ALL THERMOSTATIC CONTROLS ARE TO COMPLY WITH PREVAILING ENERGY CODE WITH SETBACKS OF: 55 (DEGREES F) FOR HEAT, 85 (DEGREES F) COOLING, 7-DAY CLOCK, 2 HOUR OCCUPANT OVERRIDE, A 5 DEGREE DEADBAND, & 10-HOUR BACKUP.
30. ALL EXTERIOR RECTANGULAR SUPPLY AND/OR RETURN DUCTWORK SHALL BE GALVANIZED SHEET METAL. CAULK ALL JOINTS WATERTIGHT WITH OUTDOOR RATED MASTIC.
31. ALL BRANCH DUCT CONNECTIONS TO AIR OUTLETS AND AIR INLETS SHALL BE THE SAME SIZE AS THE DEVICE NECK UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
32. ALL GENERAL EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH NO DUCT LINER OR EXTERNAL INSULATION.
33. ALL POSITIVE PRESSURE EXHAUST DUCTWORK SHALL BE SEALED WATER TIGHT AND AIR TIGHT.
34. ERV (ENERGY RECOVERY VENTILATOR) SYSTEM IS NOT TO BE DUCTED INTO THE PRIMARY HVAC SYSTEM AND IS TO REMAIN SEPARATE. ALL DUCTWORK MATERIALS & SPECIFICATIONS ARE TO MATCH THAT OF THE ABOVE LISTED SPECIFICATIONS. ERV DUCT VELOCITIES ARE NOT TO EXCEED THAT OF THE MANUFACTURER'S SPECIFICATIONS OR VELOCITIES SPECIFIED ABOVE REGARDING DUCTWORK.

ELECTRICAL SPECIFICATIONS

1. ALL NEW ELECTRICAL CONSTRUCTION INSTALLATIONS AND RENOVATIONS SHALL COMPLY WITH THE PREVAILING NATIONAL ELECTRICAL CODE (NEC) AND SUPPLEMENTS, THE REQUIREMENTS OF THE LOCAL ELECTRICAL UTILITY COMPANY, FIRE PREVENTION BUREAU, NATIONAL BOARD OF UNDERWRITERS, AND OTHER LOCAL CODES. ALL WORK SHALL BE PERFORMED BY LICENSED AND SKILLED ELECTRICIANS IN A NEAT MANNER, AND ALL NEW ELECTRICAL EQUIPMENT, APPLIANCES, DEVICES,ETC., SHALL B CONNECTED FOR PROPER OPERATION IN ACCORDANCE WITH THE CODES.
2. E.C. SHALL FURNISH AND INSTALL ALL WIRING DEVICES AND EQUIPMENT, ETC. UNLESS OTHERWISE INDICATED, FOR THE COMPLETE ELECTRICAL SYSTEM.
3. THE DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF CONFLICT OR ERROR BETWEEN THE DRAWINGS AND SPECIFICATIONS, BUT SHALL REQUEST CLARIFICATION OF SUCH BEFORE INSTALLATION.
4. UNDER NO CIRCUMSTANCES SHALL A CONTRACTOR SCALE THE DRAWING FOR LOCATION OF EQUIPMENT AND WORK.
5. ALL ELECTRICAL INFORMATION SHALL BE CHECKED AND VERIFIED BY OWNER (OR REPRESENTATIVE OF OWNER) AND CONTRACTOR PRIOR TO INSTALLATION.
6. WHERE NOT SHOWN, ALL ELECTRICAL EQUIPMENT AND FIXTURES SHALL BE SELECTED BY OWNER.
7. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL SERVICE TO MECHANICAL EQUIPMENT, MECHANICAL CONTRACTOR TO MAKE CONNECTION.
8. COORDINATE ELECTRICAL REQUIREMENTS AND METERING/TRANSFORMER LOCATION PRIOR TO CONSTRUCTION OR FABRICATION.
9. WHERE APPLICABLE, E.C. TO RUN CONDUIT TO ALL EXTERIOR SIGNS, PARKING LOT LIGHTS, & GROUND ACCENT LIGHTS, COORDINATE LOCATIONS/REQUIREMENTS W/ OWNER.
10. ALL BREAKERS IN SERVICE PANEL BOXES ARE TO CLEARLY LABELED/INDEXED AS TO THE EQUIPMENT/FIXTURES THAT ARE INCLUDED ON THEIR INDIVIDUAL CIRCUIT
11. ALL SERVICE PANEL BOXES ARE TO BE INSTALLED WITH THE MINIMUM REQUIRED OBSTRUCTION CLEARANCES AS SPECIFIED BY THE NEC ARTICLE 110-26.
12. UNLESS OTHERWISE SPECIFIED ON DRAWINGS OR BY OWNER, ALL ELECTRICAL PLUGS, SWITCHES, COVERS, ETC SHALL BE OF WHITE FINISH.
13. FOR ALL INTERIOR AND EXTERIOR WALLS: ALL WALL ELECTRICAL BOXES FOR SWITCHES, DUPLEX PLUGS, ETC ARE TO BE SEALED FROM INFILTRATION WITH FIRE-RATED CAULK WHERE OPENINGS IN BOXES FOR CIRCUITS OCCUR. ALL VERTICAL PENETRATIONS FOR CIRCUITS AND THE LIKE, WHETHER THROUGH TOP PLATE OR SILL PLATE, ARE ALSO TO BE SEALED WITH FIRE CAULK.
14. ALL ELECTRICAL BOXES FOR CEILING OR WALL MOUNTED FIXTURES ARE TO BE COMPLETELY SEALED FROM INFILTRATION AT ALL OPENINGS WITH FIRE-RATED CAULK
15. ALL ELECTRICAL PENETRATIONS FROM ONE ENVELOPE SPACE TO ANOTHER, IE WALL/ROOM TO ATTIC/CRAWLSPACE/BASEMENT ARE TO BE SEALED FROM INFILTRATION WITH FIRE-RATED CAULK
16. OUTLET BOXES IN CEILINGS, OR WHERE APPLICABLE: GARAGES SHALL BE METAL.
17. WHERE APPLICABLE, TELEPHONE SERVICE SHALL BE GROUNDED
18. ALL CONDUCTORS TO BE RUN IN OPEN OR EXPOSED AREAS ARE BE RUN IN RIGID METAL CONDUIT, OR WHERE APPROVED, MC CABLE. NM CABLE IS ONLY PERMISSIBLE WHERE PROTECTED ON BOTH SIDES BY A THERMAL BARRIER OF A MINIMUM 15 MINUTE FINISH RATING.
19. ALL CONDUITS ARE TO BE RIGIDLY FIXED TO STRUCTURE PER SEISMIC REQUIREMENTS.

PLUMBING SPECIFICATIONS

1. THE WORK OF THIS SECTION INCLUDES ALL PLUMBING WORK AND EQUIPMENT NECESSARY FOR A COMPLETE, APPROVED AND PROPERLY FUNCTIONING INSTALLATION. PROVIDE ANY SUPPLEMENTARY LABOR OR MATERIALS, WHETHER OR NOT SPECIFICALLY INDICATED, WITHOUT ADDITIONAL COST TO THE OWNER.
2. THE INSTALLATION SHALL COMPLY WITH ALL OF THE LATEST APPLICABLE ORDINANCES, REGULATIONS AND CODES OF ALL AGENCIES HAVING JURISDICTION, INCLUDING THE INTERNATIONAL PLUMBING CODE, LOCAL BUILDING AND SAFETY DEPARTMENT(S) AND ALL OTHER AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL POSSESS A WORKING KNOWLEDGE OF ALL LOCAL CODES AND ORDINANCES AND SHALL CALL ATTENTION TO ANY DISCREPANCIES AND SEEK CLARIFICATION PRIOR TO SUBMITTING BID. ALL MATERIAL DEVICES ANY EQUIPMENT SHALL BE APPROVED FOR SUCH INSTALLATION. IN CASE OF CONFLICT BETWEEN CODES AND DRAWINGS OR SPECIFICATIONS, THE MORE STRINGENT SHALL PREVAIL.
3. NOTHING IN THESE DRAWINGS AND SPECIFICATIONS ARE TO BE CONSTRUCTED TO PERMIT WORK THAT WOULD BE IN VIOLATION OF ANY SUCH CODES OR ORDINANCES.
4. RULINGS AND INTERPRETATIONS OF THE ENFORCING AGENCIES SHALL BE CONSIDERED AS PART OF THE CODE.
5. INSTALL ALL PLUMING IN COORDINATION WITH ELECTRICAL, MECHANICAL, ARCHITECTURAL & STRUCTURAL DRAWINGS, AND TRADES.
6. CONTRACTOR TO ACQUIRE AND PAY FOR ALL PERMITS, INSPECTIONS AND RELATED FEES FOR THIS INSTALLATION. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS.
7. VERIFY EXACT SIZE, LOCATIONS AND DEPTH OF ALL EXISTING PIPING, AREAS, LATERALS, ETC BEFORE STARTING TRENCHING OR ANY OTHER WORK. SHOULD IT BE NECESSARY TO REROUTE LINES DUE TO CONDITIONS FOUND ON THE SITE OR IF INDICATED POINTS OF CONNECTORS CANNOT BE MADE TO THE LINES AS FOUND, THE CONTRACTOR SHALL, BEFORE CONTINUING, NOTIFY THE DESIGN PROFESSIONAL PRIOR TO INSTALLING ANY WORK WHICH MAY BE AFFECTED.
8. LOCATIONS OF THE PIPING AND FIXTURES INDICATED ON THE DRAWINGS ARE APPROXIMATE ONLY, AND SHALL BE CHARGED TO MEET THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AS REQUIRED, AT NO EXTRA COST TO THE OWNER.
9. DRAWINGS ARE ESSENTIALLY SCHEMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED; EXAMINE DRAWINGS AND PREMISES IN ORDER TO DETERMINE BEST METHODS, EXACT LOCATIONS, ROUTED AND BUILDING OBSTRUCTIONS, AND INSTALL APPARATUS AND EQUIPMENT IN AVAILABLE LOCATIONS.
10. VERIFY AND COORDINATE ROUGH-IN LOCATIONS AND DIMENSIONS FOR EQUIPMENT, PROVIDE ALL INTERCONNECTING PIPING AND APPURTENANCES REQUIRED AND MAKE ALL FINAL CONNECTIONS.
11. SLOPE FLOOR SLIGHTLY TO FLUSH FLOOR DRAINS AS SHOWN.
12. ALL FLOOR DRAINS MUST HAVE STRAINERS & "P" TRAPS.
13. PROVIDE THE NECESSARY PLUMBING CONNECTIONS FOR AIR-CONDITIONING AND HEATING EQUIPMENT AS NEEDED.
14. PROVIDE HOT AND COLD WATER LINES, DRAINS, AND VENT FOR ALL SINKS AND LAVATORIES, AND CONNECT TO SAME.
15. NO CLEAN OUTS TO BE UNDER FIXTURES, ALL FLOOR CLEAN OUTS TO HAVE BRASS COVER PLATES, FLUSH WITH FINISH FLOOR. CONTRACTOR & OWNER (OR REPRESENTATIVE) ARE TO VERIFY LOCATION AND NUMBER OF CLEAN OUTS. ALL REQUIRED CLEANOUTS SHALL BE INSTALLED AS PER SEC. 707.0 & 719.0 OF THE PLUMBING CODE. ALL FLOOR CLEANOUT COVERING DECKS SHALL HAVE FINE FINISH. INSTALL ONLY WHERE EASILY ACCESSIBLE AND COORDINATE LOCATIONS WITH THE DESIGN PROFESSIONAL OR OWNER (OR REPRESENTATIVE) PRIOR TO INSTALLATION TO ACCOUNT FOR ALL EQUIPMENT, CABINETS AND OTHER TRADES.
16. WHERE APPLICABLE, PROVIDE THE NECESSARY PLUMBING CONNECTIONS FOR HOT WATER HEATER(S) W/ DRAIN PAN.
17. WHERE APPLICABLE, PROVIDE HOSE BIB CONNECTIONS ON MOP SINK
18. WHERE APPLICABLE, EXTERIOR HOSE BIBS (WATER SPICKETS) ARE TO SELF DRAINING & BE SECURITY KEYED TO AVOID TAMPERING OR MISUSE
19. WHERE APPLICABLE, PROVIDE THE NECESSARY PLUMBING CONNECTIONS FOR E.W.C. (ELEC. WATER COOLER)
20. ALL UNDER SLAB WASTE PIPE TO BE AN MIN. OF 2" PIPE.
21. ALL HOT WATER PIPING IS TO BE FULLY INSULATED ALONG ALL ROUTES W/ MIN. OF 3/4" THICK INSULATION FOAM WRAP, TAPED AND SEALED, INCLUDING ROUTING THROUGH INTERIOR WALLS, SLABS, CRAWLSPACES, ATTICS, ETC. ALL COLD WATER PIPING LOCATED ADJACENT TO THE BUILDING ENVELOPE (EXTERIOR WALL OR ATTIC) IS TO INSULATED IN THE SAME FASHION.
22. WATER CLOSETS FOR ACCESSIBLE USE ARE TO BE ELONGATED BOWLS WITH OPEN FRONT TOILET SEAT
23. ALL WATER CLOSET FLUSHING LEVERS SHALL BE TO WIDE SIDE OF STALL.
24. ALL PLUMBING PENETRATIONS FROM ONE ENVELOPE SPACE TO ANOTHER, I.E. WALL/ROOM-TO- ATTIC/CRAWLSPACE/BASEMENT ARE TO BE SEALED FROM INFILTRATION WITH FIRE-RATED CAULK SEALANT. LIKEWISE PROVIDE POLYSLEEVE WHERE COPPER PIPE TOUCHES METAL AND WHERE HOT AND COLD WATER LINES CROSS.
25. PIPING WITHIN OR THRU FIRE RATED ASSEMBLIES SHALL BE MADE WITH APPROVED U.L. LISTED FIRE RATED ASSEMBLIES OR SYSTEMS. COORDINATE SENSITIVE WALL LOCATIONS WITH DESIGN PROFESSIONAL.
26. RISERS TO BE LOCATED IN WALLS, OR WHERE APPLICABLE, COLUMN FURRING.
27. WHERE LOCAL WATER PRESSURE IS IN EXCESS 80 PSI THE PLUMBING CONTRACTOR SHALL PROVIDE AN APPROVED TYPE PRESSURE REGULATOR WITH INTEGRAL STRAINER, AT NO EXTRA COST TO THE OWNER.
28. WHERE APPLICABLE, ANY SYSTEM PROVIDED WITH A PRESSURE REGULATING DEVICE OR CHECK VALVE AT ITS SOURCE OR ANY WATER SYSTEM CONTAINING WATER HEATING EQUIPMENT, SHALL BE PROVIDED WITH AN EXPANSION TANK IN THE COLD WATER SIDE OF THE EQUIPMENT.
29. ALL PLUMBING MATERIALS USED IN THE WATER SUPPLY SYSTEM, EXCEPT VALVES AND SIMILAR DEVICES, SHALL BE OF LIKE MATERIALS.
30. WHERE APPLICABLE, PROVIDE ACCESS DOORS TO ALL CONCEALED VALVES, STRAINERS, TRAP PRIMERS, ETC. COORDINATE LOCATIONS WITH DESIGN PROFESSIONAL PRIOR TO INSTALLATION.
31. PROVIDE SHUTOFF VALVES ON PIPES AT POINT OF TIE-IN TO EXISTING SYSTEM. ALL VALVES, UNIONS AND FITTINGS TO BE THE SAME SIZE AS THE PIPE UNLESS OTHERWISE NOTED. UNIONS SHALL BE PROVIDED AFTER EACH VALVE AND PRIOR TO ALL EQUIPMENT CONNECTORS.
32. WATER HAMMER: ALL BUILDING WATER SUPPLY SYSTEMS, IN WHICH QUICK-ACTING VALVES ARE INSTALLED, SHALL BE PROVIDED WITH APPROVED MECHANICAL WATER HAMMER ARRESTING DEVICES. THE MANUFACTURERS' SPECIFICATIONS AS TO LOCATION AND METHOD OF INSTALLATION SHALL BE FOLLOWED.
33. ALL PIPING IN FINISHED AREAS SHALL BE RUN AND CONCEALED WITHIN THE BUILDING STRUCTURE WHERE POSSIBLE. WHEN OTHERWISE INSTALLED, PIPING SHALL BE MOUNTED OR ENCLOSESD SO AS TO FACILITATE CLEANING, AT LEAST 3/4" AWAY FROM THE WALL AND AS HIGH AS PRACTICABLE. WHERE PIPING MUST ROUTE LOW, IT SHALL NOT BE LESS THAN 6" ABOVE THE FLOOR.
34. NO VENT OUTLET SHALL TERMINATE CLOSER THAN FOUR FEET TO OR ONE FOOT ABOVE ANY DOOR, WINDOW, OR GRAVITY AIR INTAKE, NOR CLOSER THAN TEN FEET HORIZONTAL OR THREE FEET ABOVE ANY FORCED MECHANICAL AIR INTAKE. THE TERMINAL END SHALL NOT BE THREADED.
35. THE AGGREGATE CROSS SECTIONAL AREA OF VENTS SHALL NOT BE LESS THAN THAT OF THE LARGEST REQUIRED BUILDING SEWER.
36. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES IN HEIGHT ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE BEFORE BEING CONNECTED TO ANY OTHER VENT.
37. VENTS SHALL TERMINATE NO CLOSER THAN 12 INCHES ABOVE ANY VERTICAL SURFACE.
38. WHERE APPLICABLE, SEE PLANS FOR ROUTING OF CONDENSATE TAPS INTO SINK, LAV TAIL PIECE, OR FLOOR DRAIN. SLOPE AT 1/8" PER FOOT MIN. CONDENSATE DRAINS SHALL BE 3/4" UP TO 20 TONS, 1" FOR 21 THRU 40 TONS, 1–1/4" FOR 41 THRU 90 TONS UNLESS OTHERWISE NOTED.
39. ALL HANGERS AND SUPPORTS FOR BOTH VERTICAL AND HORIZONTAL PIPING SHALL RE INSTALLED PER PREVAILING PLUMBING CODE
40. WHERE APPLICABLE, 2" TRAP ARMS SHALL NOT EXCEED 5' IN LENGTH.
41. DO NOT BORE HOLES IN STUDS TO RUN HORIZONTAL VENTS. INSTALL VENTS VERTICALLY UNTIL 6" ABOVE TOP PLATES OF WALLS.
42. LAVATORIES IN ALL RESTROOMS SHALL HAVE CONTROLS THAT LIMIT THE MAXIMUM WATER TEMPERATURE TO 110 F AND MAXIMUM FLOW RATE TO 0.5 GPM CONTINUOUS OR 0.75 GPM WHEN EQUIPPED WITH A DEVICE SUCH AS A FOOT SWITCH OR INFRARED SENSOR THAT LIMITS THE TIME PERIOD OF DISCHARGE.
43. WHERE APPLICABLE, ACCESSIBLE SHOWERS SHALL HAVE CONTROLS THAT LIMIT THE MAXIMUM WATER TEMPERATURE TO 110F.
44. ALL PLUMBING FIXTURES, PIPING, AND MATERIALS SHALL BE LISTED OR LABELED AND INSTALLED AS PER A RECOGNIZED APPROVAL AGENCY.
45. ALL HARDWARE FOR ACCESSIBLE FIXTURES ARE TO HAVE "BLADE" OR LEVER-OPERATED ACTUATION
46. RECORD ON "AS BUILT" DRAWINGS ALL SIZES MATERIALS, LOCATIONS AND DEPTHS OF BURIED PIPING, PLUGGED TEES, FUTURE CONNECTIONS AND ALL CHANGES IN PIPING FROM THAT ARE SHOWN IN DRAWINGS, AND SUBMIT SUCH SET TO DESIGN PROFESSIONAL AT COMPLETION OF WORK.
47. PROVIDE GUARANTEE, IN WRITING, REGARDING ALL LABOR AND MATERIALS FOR TWO YEARS.
48. WHERE APPLICABLE, MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS:
    a. WATER CLOSETS: 1.6 G.P.M. MAX.
    b. SHOWER HEADS: 2.5 G.P.M. MAX.
    c. MAX. SINK FAUCETS: 2.2 G.P.M. MAX.
    d. LAV. FAUCETS: 2.2 G.P.M.
51. WATER PIPES SHALL BE COPPER OR PVC. GAS PIPES SHALL BE BLACK IRON OR GALVANIZED STEEL.
52. HOT WATER SHALL ALWAYS BE LEFT FITTING AT ALL FAUCETS TYPICAL.
53. WHERE APPLICABLE, PROVIDE ALL HOSE-BIBS WITH BACK FLOW PREVENTERS.
54. DRAIN LINES SHALL BE SLOPED AND SUPPORTED AT 32" O.C. MAXIMUM AND BE A MINIMUM OF THREE FEET AWAY FROM ALL DOORS.
55. ALL COPPER TUBING USED FOR WATER PIPING UNDER OR IN CONCRETE FLOOR SLABS MUST BE TYPE "L" MINIMUM WEIGHT, AND INSTALLED WITHOUT JOINTS.
56. WHERE APPLICABLE, PROVIDE SHUTOFF VALVES ON THE GAS LINE AT EACH GAS APPLIANCE
57. PROVIDE WATER SHUTOFF VALVES IN ACCORDANCE WITH THE LATEST VERSION OF THE PREVAILING PLUMBING CODE
58. ALL ABS AND PVC PIPING USED IN DW SYSTEMS MUST BE RATED FOR REQUIRED PRESSURE AND TREATMENT
59. SEAL ALL VOIDS AROUND PENETRATIONS THROUGH ON GRADE CONCRETE FLOOR SLABS.
60. ALL PIPING SHALL CONFORM TO THE LATEST PREVAILING PLUMBING CODE FOR MATERIALS, INSTALLATION AND TESTING.
61. SOLDERS AND FLUX HAVING A LEAD CONTENT IN EXCESS OF TWO-TENTHS OF ONE PERCENT SHALL NOT BE USED IN THE INSTALLATION OR REPAIR OF ANY PLUMBING IN RESIDENTIAL OR NONRESIDENTIAL FACILITIES PROVIDING WATER FOR HUMAN CONSUMPTION WHICH ARE CONNECTED TO PUBLIC WATER SYSTEMS.

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25778
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural ● Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

SPECIFICATIONS

PROJECT NUMBER 1519 B

DATE: 1-14-21

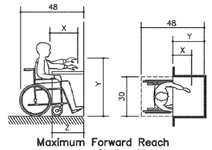
SCALE AS NOTED

SHEET G3.1

International Symbol of Accessibility

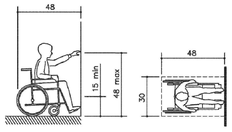
Display Conditions of the International Symbol of Accessibility

O INTERNATIONAL SYMBOL OF ACCESSIBILITY
NO SCALE

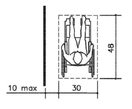


Maximum Forward Reach over an Obstruction

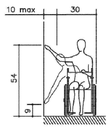
NOTE:
x shall be < 25 in; z shall be > x.
When x < 20 in then y shall be 48 in maximum.
When x is 20 to 25 in then y shall be 44in maximum.



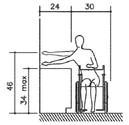
High Forward Reach Limit



Clear Floor Space Parallel Approach

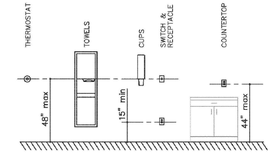


High and Low Side Reach Limits

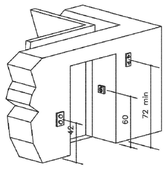


Maximum Side Reach over an Obstruction

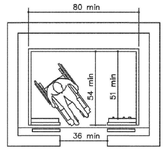
N STANDARD REACH ADA DIAGRAMS
NO SCALE



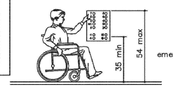
M STANDARD CONTROL REACH LIMITATIONS DETAILS
NO SCALE



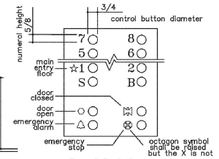
Hoistway and Elevator Entrances



Minimum Dimensions for Elevator Car

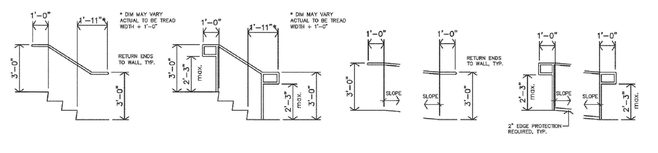


Car Control Height



Panel Detail

L STANDARD ELEVATOR ADA DIAGRAMS
NO SCALE



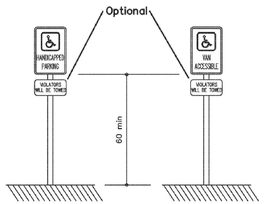
Stair Handrail Extensions at Walls

Stair Handail Extensions at Freestanding Handrails

Ramp Handrail Extensions at Walls

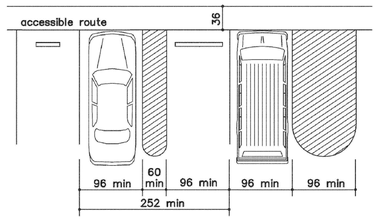
Ramp Handail Extensions at Freestanding Handrails

K STANDARD RAMP/STAIR HANDRAIL EXTENSIONS
NO SCALE



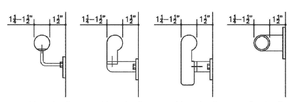
Typical Handicapped Parking Signage

Van Accessible Handicapped Parking Signage



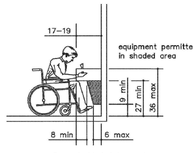
Van Accessible Space at End Row

J STANDARD PARKING ADA DIAGRAMS
NO SCALE

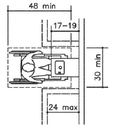


Handrail Handrail Handrail Grab Bar

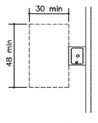
H STANDARD HANDRAIL/GRAB BAR DETAILS
NO SCALE



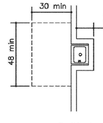
Spout Height and Knee Clearance



Clear Floor Space

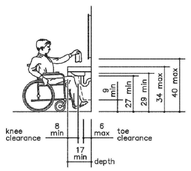


Free-Standing Fountain or Cooler

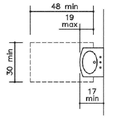


Built-in Fountain or Cooler

G STANDARD DRINKING FOUNTAIN DETAILS
NO SCALE

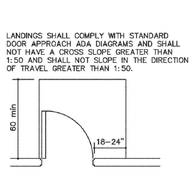


Lavatory Clearances

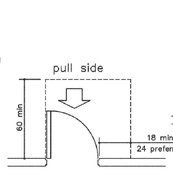


Clear Floor Space

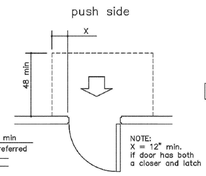
F STANDARD LAVATORY DETAILS
NO SCALE



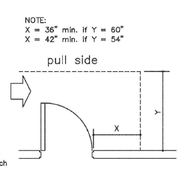
Exterior Landing



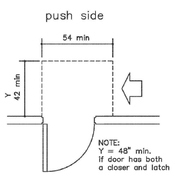
Front Approach — Swinging Door



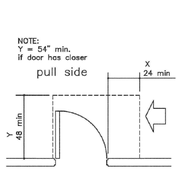
Front Approach — Swinging Door



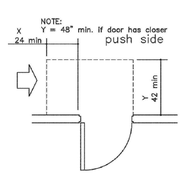
Hinge Side Approach — Swinging Door



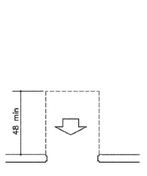
Side Approach — Swinging Door



Latch Side Approach Swinging Door

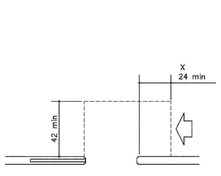


Latch Side Approach Swinging Door

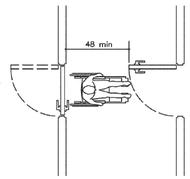


Front Approach — Sliding or Folding Doors

Slide Side Approach — Sliding or Folding Doors

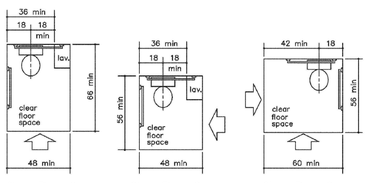


Latch Side Approach — Sliding or Folding Doors



Two Hinged Doors in Series

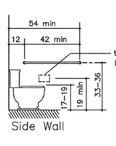
E STANDARD DOOR APPROACH ADA DIAGRAMS
NO SCALE



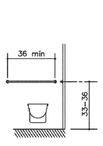
Clear Floor Space at Water Closet

Clear Floor Space at Water Closet

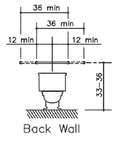
Clear Floor Space at Water Closet



Grab Bars at Water Closets

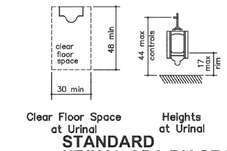


Back Wall of Standard Stall



Grab Bars at Water Closets

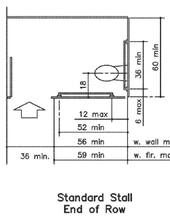
D STANDARD TOILET ADA DIAGRAMS
NO SCALE



Clear Floor Space at Urinal

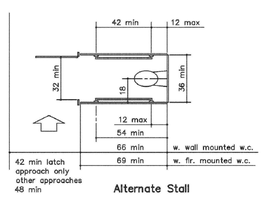
Heights at Urinal

C STANDARD URINAL ADA DIAGRAMS
NO SCALE

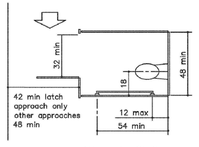


Standard Stall End of Row

Standard Stall



Alternate Stall



Alternate Stall

B STANDARD TOILET STALL ADA DIAGRAMS
NO SCALE

Clear Floor Space

Forward Approach

Parallel Approach

Dimensions of Adult-Sized Wheelchair

Dimensions of Adult-Sized Wheelchair

Dimensions of Adult-Sized Wheelchair

Dimensions of Adult-Sized Wheelchair

Minimum Clear Width for Single Wheelchair

Minimum Clear Width for Two Wheelchairs

Wheelchair Turning Space

T-Shaped Space for 180° Turns

90° Turn

Turns Around an Obstruction

A STANDARD ADA DIAGRAMS
NO SCALE

FOR REFERENCE ONLY

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for Architectural • Mechanical Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

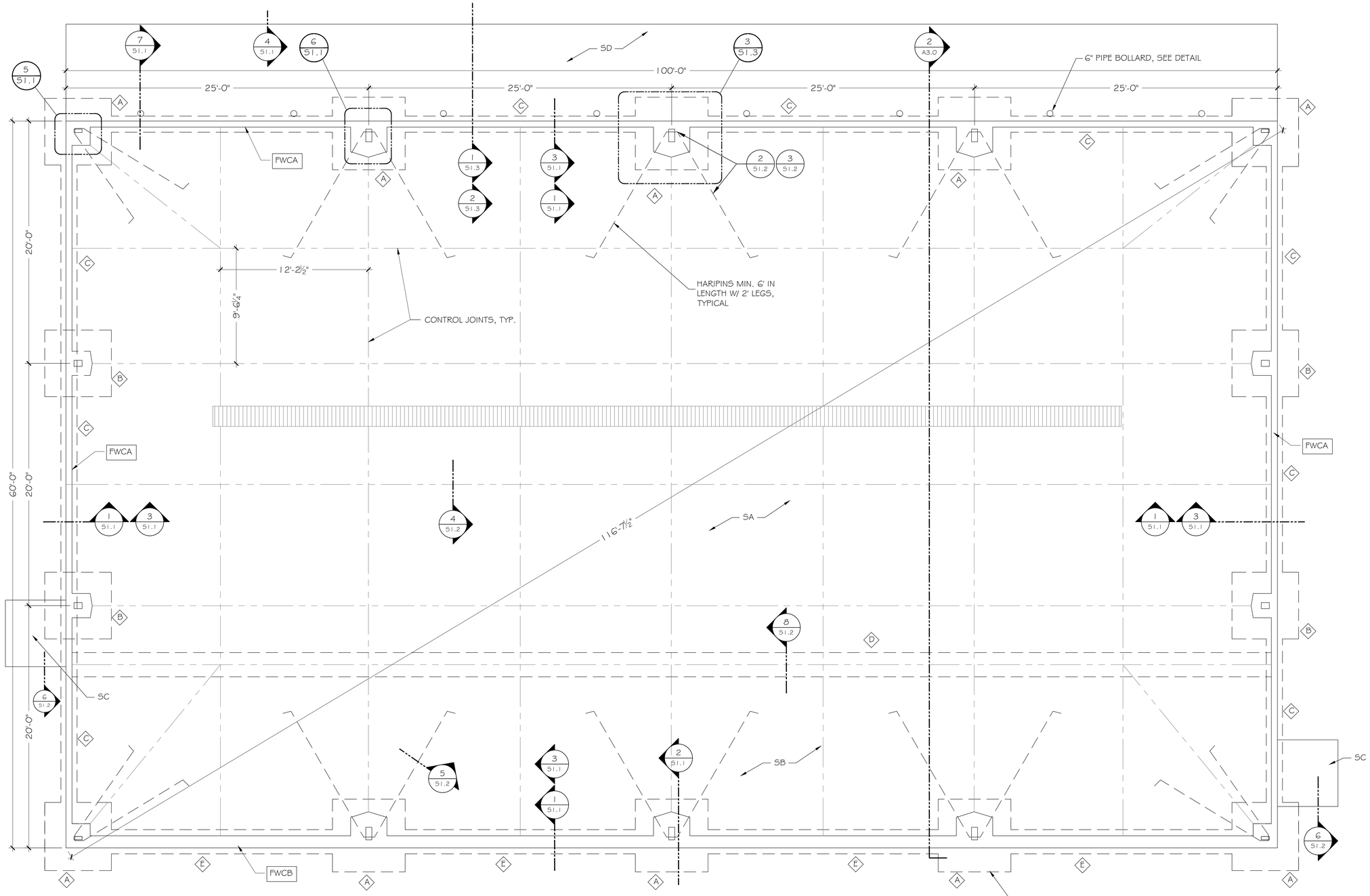
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

ACCESSIBILITY STANDARDS

PROJECT NUMBER	SHEET
1519 B	G4.0
DATE: 1-14-21	
SCALE AS NOTED	



1 S1.0 FOUNDATION PLAN

SCALE- 1/4" = 1'

FOUNDATION DESIGN WILL BE FINALIZED AFTER BIDDER SUBMITS APPROVED PEMB REACTIONS. FOR ESTIMATION A PRELIMINARY FOUNDATION HAS BEEN PROVIDED, HOWEVER, IT IS TO BE COMPLETELY UNDERSTOOD THAT THESE SCHEDULES ARE PRELIMINARY ONLY AND NOT FINAL. CONTRACTOR TO USE THEIR OWN BEST JUDGEMENT FOR BIDDING

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N WOOLDRIDGE
25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

FOUNDATION PLAN
BUILDING (B)

PROJECT NUMBER	SHEET
1519 B	S1.0
DATE: 1-14-21	
SCALE AS NOTED	

ESTIMATED/PRELIMINARY - FOOTING SCHEDULE

	DIMENSIONS/REINFORCEMENT/NOTES									
SYMBOL	SIZE W X L X T	BOTTOM BARS	TOP BARS	STEEL COVERAGE	CONC STRENGTH	STEEL STRENGTH	PIER/BASEPLATE SIZE	KEY SIZE	FOOTING DEPTH	NOTES
A	72X72X12	(6) NO. 5 BARS EACH WAY	(5) NO. 3 BARS EACH WAY	3"	4000 psi	60 ksi	USE PIER AA	NA	BOTTOM OF FTG, 30" BELOW FINISH GRADE, MIN.	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
B	50X50X12	(5) NO. 5 BARS EACH WAY	NA	3"	4000 psi	60 ksi	USE PIER AA	NA	BOTTOM OF FTG, 30" BELOW FINISH GRADE, MIN.	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
C (STEM WALL FTG)	16XCONT.X12	(2) NO. 5 BARS CONTINUOUS NO. 5 BARS @ 24" OC	NA	3"	4000 psi	60 ksi	---	NA	BOTTOM OF FTG, 30" BELOW FINISH GRADE, MIN.	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
D (THICKENED SLAB)	12XCONTIN.X12	(2) NO. 4 BARS CONTINUOUS NO. 5 BARS @ 16" OC	NA	3"	4000 psi	60 ksi	NA	NA	NA	SEE CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
E (STEM WALL FTG)	20XCONT.X12	(2) NO. 5 BARS CONTINUOUS NO. 5 BARS @ 18" OC	NA	3"	4000 psi	60 ksi	---	NA	BOTTOM OF FTG, 30" BELOW FINISH GRADE, MIN.	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS

SLAB SYSTEM SCHEDULE

	DIMENSIONS/REINFORCEMENT/SPECIFICATIONS/NOTES								
SYMBOL	THICKNESS	REINFORCEMENT	FINISH	STEEL COVERAGE	CONC STRENGTH	STEEL STRENGTH	BASE	CONTINUOUS MOISTURE BARRIER	NOTES
SA	8"	NO. 4 BARS @ 12" OC EW	STEEL TROWEL SMOOTH FINISH	4" MIN.	4000 psi	65 ksi	4" COMPACTED, CRUSHED STONE	6 MIL PLASTIC SHEETING, W/ MIN. 3" SHEETING LAP	SEE STEEL & CONC SPECIFICATIONS FOR ADDTIONAL MATERIALS AND REQUIREMENTS
SB	5.5"	6X6 W2.5/W2.5 MIN. 6" LAP & TIE @ 12" OC	STEEL TROWEL SMOOTH FINISH	2.5" MIN.	4000 psi	65 ksi	4" COMPACTED, CRUSHED STONE	6 MIL PLASTIC SHEETING, W/ MIN. 3" SHEETING LAP	SEE STEEL & CONC SPECIFICATIONS FOR ADDTIONAL MATERIALS AND REQUIREMENTS
SC	5"	6X6 W1.7XW1.7	LIGHT BROOM, NON SLIP FINISH	2.25"	4000 psi	65 ksi	4" COMPACTED, CRUSHED STONE	6 MIL PLASTIC SHEETING, W/ MIN. 3" SHEETING LAP	SEE STEEL & CONC SPECIFICATIONS FOR ADDTIONAL MATERIALS AND REQUIREMENTS
SD	8"	NO. 4 BARS @ 12" OC EW	LIGHT BROOM, NON SLIP FINISH	4" MIN.	4000 psi	65 ksi	6" COMPACTED, CRUSHED STONE	6 MIL PLASTIC SHEETING, W/ MIN. 3" SHEETING LAP	SEE STEEL & CONC SPECIFICATIONS FOR ADDTIONAL MATERIALS AND REQUIREMENTS

FOUNDATION WALL SCHEDULE - CONCRETE CONSTRUCTION

	DIMENSIONS/REINFORCEMENT/NOTES						
SYMBOL	SIZE	VERTICAL BARS	HORIZONTAL REINFORCEMENT	STEEL COVERAGE	CONC STRENGTH	STEEL STRENGTH	NOTES
FWCA	8"	NO. 5 @ 24" OC	SEE STEM WALL DETAIL	3" MIN.	4000 psi	60 ksi	SEE CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
FWCB	14"	NO. 5 @ 24" OC	SEE STEM WALL DETAIL	3" MIN.	4000 psi	60 ksi	SEE CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS

ESTIMATED/PRELIMINARY - FOUNDATION PIER SCHEDULE

	DIMENSIONS/REINFORCEMENT/NOTES						
SYMBOL	SIZE W X D X H	VERTICAL BARS	TIE BAR SIZE & SPACING	STEEL COVERAGE	CONC STRENGTH	STEEL STRENGTH	NOTES
AA	24X24X12 TO 16	(6) NO. 5 BARS W/ 6" HOOKS	NO. 3 @ 8" MAX	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
BB	26X26X AS NEEDED	(8) NO. 5 BARS W/ 6" HOOKS	NO. 3 @ 8" MAX	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
CC	14X14X AS NEEDED	(4) NO. 5 BARS W/ 6" HOOKS	NO. 3 @ 8" MAX	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS

ESTIMATED/PRELIMINARY - FOUNDATION PIER SCHEDULE

	DIMENSIONS/REINFORCEMENT/NOTES						
SYMBOL	SIZE W X D X H	VERTICAL BARS	TIE BAR SIZE & SPACING	STEEL COVERAGE	CONC STRENGTH	STEEL STRENGTH	NOTES
AA	24X24X12 TO 24	(8) NO. 5 BARS W/ 6" HOOKS	NO. 3 @ 10" MAX (2 MIN.)	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
BB	26X26X AS NEEDED	(8) NO. 6 BARS W/ 6" HOOKS	NO. 3 @ 10" MAX (2 MIN.)	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS
CC	14X14X AS NEEDED	(4) NO. 5 BARS W/ 6" HOOKS	NO. 3 @ 10" MAX (2 MIN.)	3"	4000 psi	60 ksi	SEE STEEL & CONC SPECIFICATIONS FOR MATERIALS AND REQUIREMENTS

TYPICAL FOUNDATION/ SITE NOTES:

1. THE CONTRACTOR/OWNER AT THEIR OWN EXPENSE IS TO OBTAIN AND FULLY REVIEW A GEOTECHNICAL REPORT FOR THIS PROJECT, AND PROVIDE A COPY OF THE REPORT TO THE OWNER AND ENGINEER. THE CONTRACTOR IS TO FULLY ADHERE TO ALL EXCAVATION AND PROCEDURAL RECOMMENDATIONS PROVIDED THEREIN. INCLUDING BUT NOT LIMITED TO, THE EXCAVATION, ADDRESSING SOLID ROCK, BACKFILLING, ETC.
2. CONTRACTOR TO VERIFY MIN. OF 2000 PSF SOIL BEARING CAPACITY, AND OTHER APPROPRIATE SOIL BEARING CONDITIONS PRIOR TO CONSTRUCTION FOR ALL FOUNDATION COMPONENTS.
3. THE PROVIDED FOUNDATION PLAN IS SCHEMATIC IN NATURE AND BASED ON THE DRAWINGS PROVIDED BY THE PEMB MANUFACTURER AND IS TO BE SUPERSEDED BY ANY SUCH DRAWINGS OR DETAILS. CONTRACTOR IS TO REFERENCE THE DRAWINGS PROVIDED BY THE PEMB MANUFACTURER FOR ALL BUILDING AND FOUNDATION DIMENSIONS AS WELL AS LOCATION DIMENSIONS WERE ASSOCIATED WITH PIERS, FOOTINGS, STEM WALLS, AND OTHER SUCH FOUNDATION DETAILS.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
5. CONTRACTOR AT HIS OWN EXPENSE, TO CONSULT WITH GEOTECHNICAL ENGINEER WHERE SOIL CONDITIONS ARE DISCOVERED TO BE ABNORMAL OR DEVIATE FROM THE AVERAGE SITE CONDITIONS OR FROM CONDITIONS AS STATED BELOW TO BE IN EXISTENCE
6. THE DESIGN IS BASED SOLELY ON INFORMATION PROVIDED BY OWNER INCLUDING THE FOLLOWING:
   - 6.1. - THE BUILDING SITE IS RELATIVELY LEVEL & SUITABLE FOR CONSTRUCTION
   - 6.2. - THE SITE IS UNIFORM IN COMPOSITION W/ NO OBVIOUS ABNORMALITIES OR DRAINAGE ISSUES
   - 6.3. - THE SITE IS UNDISTURBED AND IS NOT COMPOSED OF FILL OR COMPACTED FILL
7. AN EXHAUSTIVE SITE INVESTIGATION HAS NOT BEEN PERFORMED FOR THIS PROJECT
8. THE ENGINEER WHOSE SEAL APPEARS ON THESE PLANS DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. SAID ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
9. ADDITIONAL WORK IN THE FORM OF GEOTECHNICAL AND/OR CIVIL ENGINEERING RELATED TO SITE, WATERSHED, SURCHARGING, ETC TO BE PROVIDED BY OTHERS.
10. IF REQUIRED, SPECIAL INSPECTIONS FOR THIS PROJECT ARE TO BE PROVIDED BY OTHERS AT THE CONTRACTOR'S/OWNER'S OWN EXPENSE , SEE OTHER INFORMATION REGARDING SPECIAL INSPECTION REQUIREMENTS.
11. THE PERIMETER STEM WALL SYSTEM IS A FUNCTIONAL AND CRITICAL COMPONENT OF THE BUILDING FRAME STRUCTURAL RESISTANCE. THEREFORE CARE IS TO BE MADE BY THE CONTRACTOR IN ALL PASS-THRU REINFORCEMENT CONNECTIONS WITH FOOTINGS AND PIERS SUCH THAT STEM WILL FULLY ENGAGE WITH ALL FOOTINGS AND PIERS.
12. THE SLAB EMBEDDED HAIRPIN SYSTEM IS A FUNCTIONAL AND CRITICAL COMPONENT OF THE BUILDING FRAME STRUCTURAL RESISTANCE, THEREFORE CARE IS TO BE MADE BY THE CONTRACTOR IN ALL RELATED REINFORCEMENT CONNECTIONS WITH THE SLAB AND PIERS SUCH THAT HAIRPINS WILL FULLY ENGAGE WITH ALL PIERS.
13. THE PROVIDED SLAB FLOOR DESIGN IS SPECIFIED FOR A MAXIMUM 6000# POINT LOAD AND 250 PSF UNIFORM LOAD. IF ALTERNATIVE LOADS ARE PROPOSED FOR THE PROJECT, CONTACT ENGINEER FOR RECOMMENDATIONS

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE 25775 LICENSED PROFESSIONAL ENGINEER ·

1-14-21

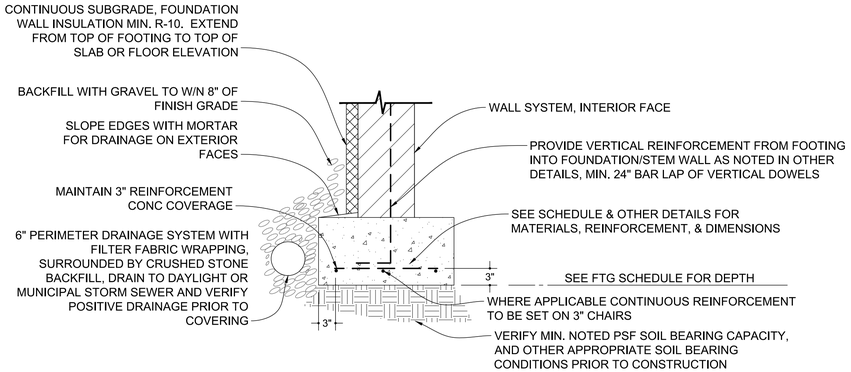
No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural ✦ Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW BUILDING
PULASKI CO. KY

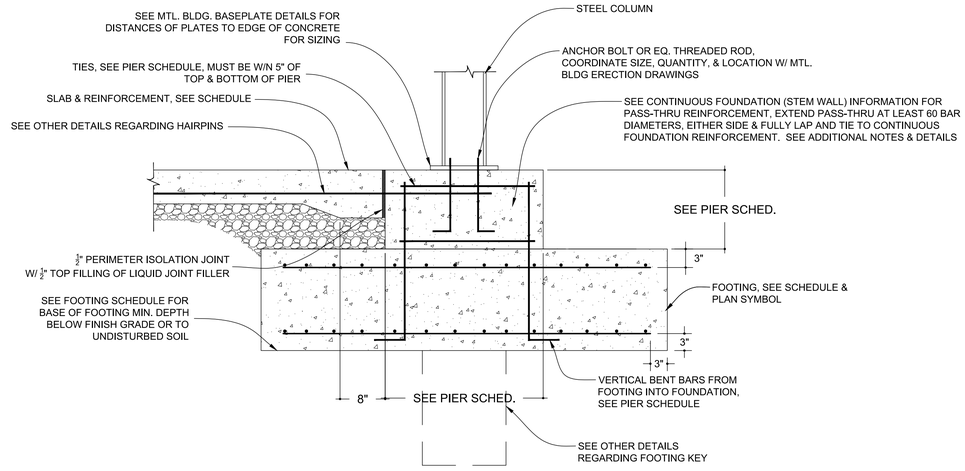
SHEET NAME
FOUNDATION SCHEDULES

PROJECT NUMBER 1519 B
DATE: 1-14-21
SCALE AS NOTED
SHEET S1.01



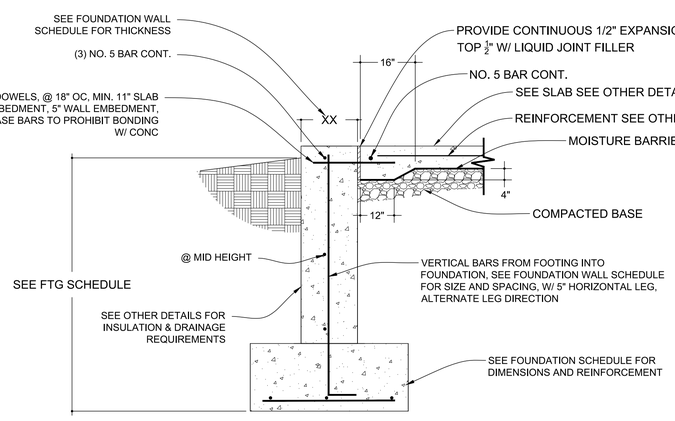
1 / S1.1 TYP. FOOTING DETAIL

SCALE- N/A



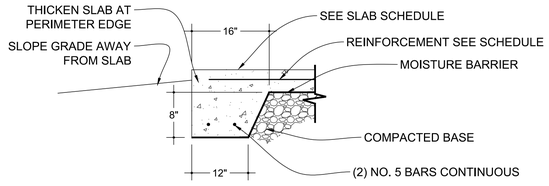
2 / S1.1 SINGLE COLUMN FOUNDATION

SCALE- N/A



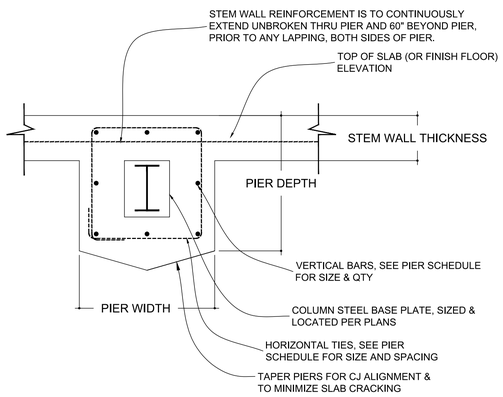
3 / S1.1 TYP. STEM WALL DETAIL

SCALE- N/A



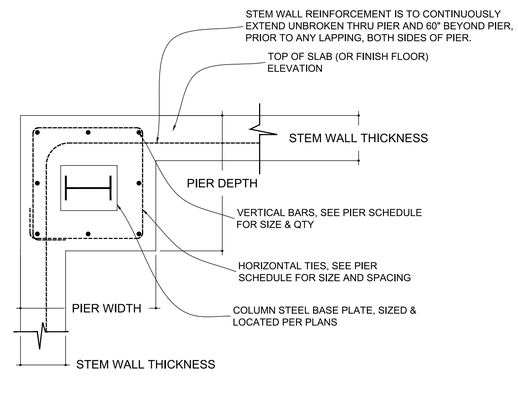
4 / S1.1 TURNED DOWN SLAB DETAIL

SCALE- N/A



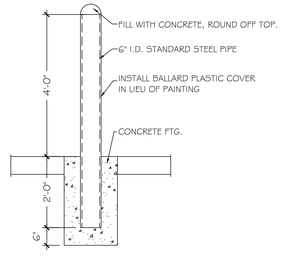
5 / S1.1 PIER REINFORCEMENT DETAIL

SCALE- N/A



6 / S1.1 PIER REINFORCEMENT DETAIL

SCALE- N/A



7 / S1.1 PIPE BOLLARD DETAIL

SCALE- N/A

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE · 25773 · LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

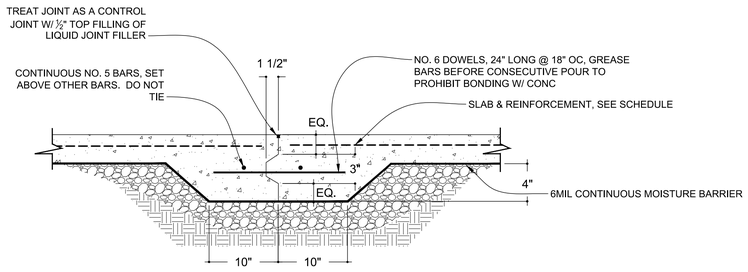
PROJECT NAME AND ADDRESS

PULASKI CO. KY

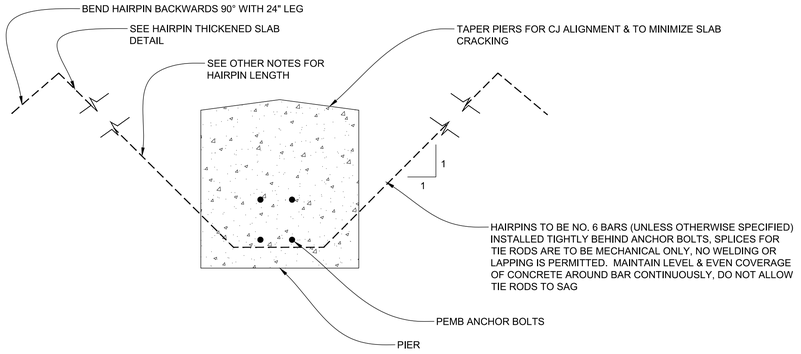
SHEET NAME

FOUNDATION DETAILS

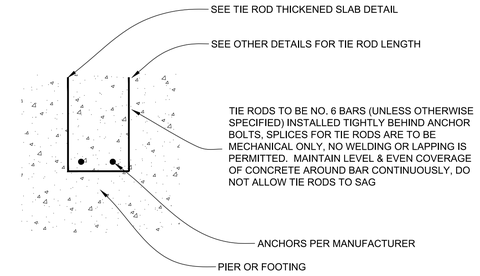
PROJECT NUMBER	SHEET
1519 B	S1.1
DATE: 1-14-21	
SCALE AS NOTED	



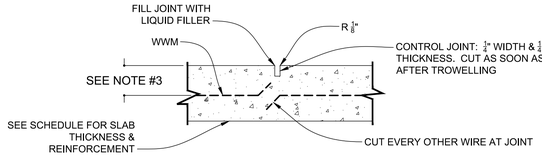
1 / S1.2 CONSTRUCTION JOINT DETAIL
SCALE- N/A



2 / S1.2 HAIRPIN DETAIL
SCALE- N/A



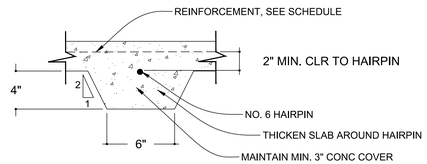
3 / S1.2 HAIRPIN WRAP
SCALE- N/A



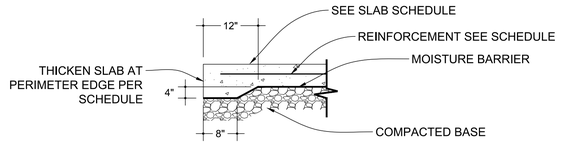
NOTES:

1. CUT SLAB AS SOON AS AGGREGATE DOES NOT DISLODGE (MUST BE WITHIN 12 HOURS OF CONCRETE PLACEMENT)
2. HAND TOOL JOINT TO FACE OF WALL WHERE SAW DOES NOT REACH
3. PLACE REINFORCING AT MID-DEPTH FOR SLABS LESS THAN 5" THICK. PLACE REINFORCING ⅓ DEPTH (FROM TOP) FOR SLABS 5" THICK OR GREATER

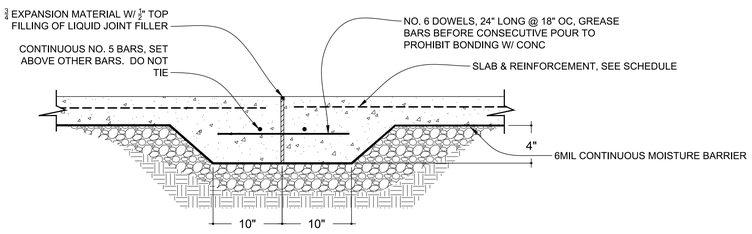
4 / S1.2 CONTROL JOINT DETAIL
SCALE- N/A



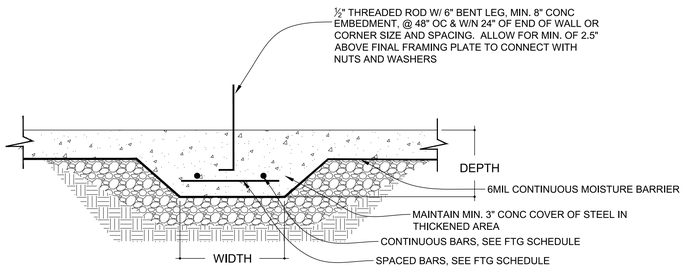
5 / S1.2 HAIRPIN THICKENED SLAB DETAIL
SCALE- N/A



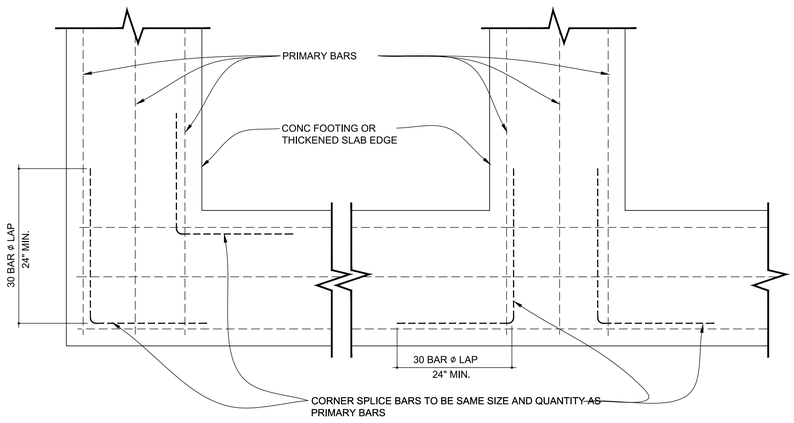
6 / S1.2 SLAB DETAIL FOR EXIT DOORS
SCALE- N/A



7 / S1.2 EXPANSION JOINT DETAIL
SCALE- N/A



8 / S1.2 THICKENED SLAB DETAIL
SCALE- N/A



9 / S1.2 TYP. INTERSECTION OF BARS
SCALE- N/A

General Notes

PLEASE NOTE:

ERIC N. WOOLDRIDGE 25775 LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY

1-14-21

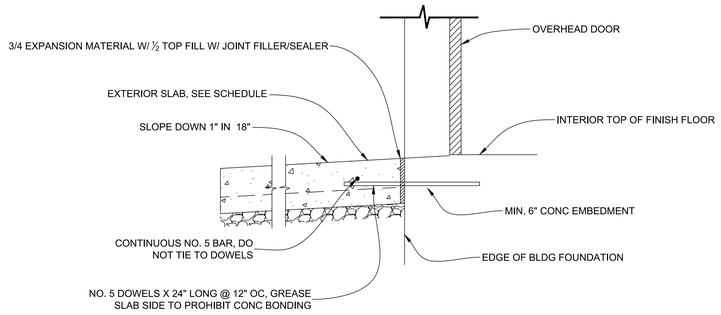
No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW BUILDING
PULASKI CO. KY

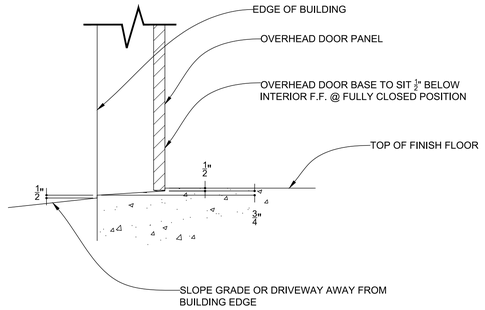
SHEET NAME
FOUNDATION DETAILS

PROJECT NUMBER	SHEET
1519 B	S1.2
DATE: 1-14-21	
SCALE AS NOTED	



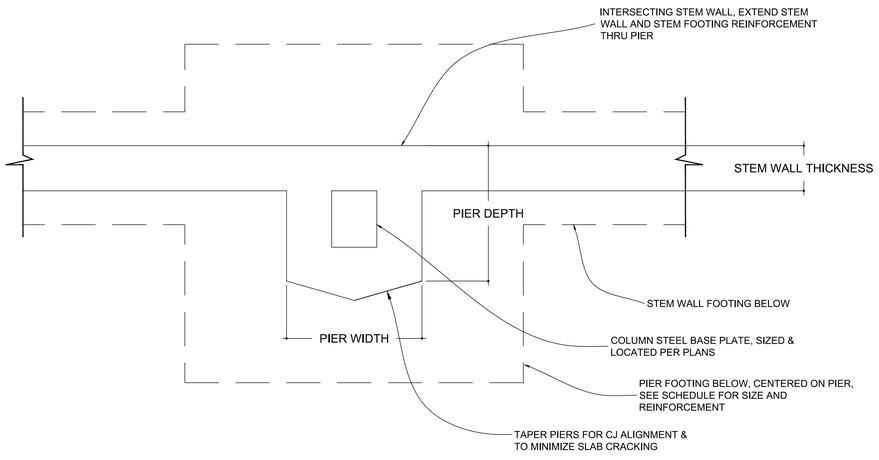
1 / S1.3 O.H. DOOR APRON DETAIL

SCALE- N/A



1 / S1.3 O.H. DOOR SLOPE DETAIL

SCALE- N/A



3 / S1.3 PIER & STEM WALL INTERSECTION DETAIL

SCALE- N/A

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

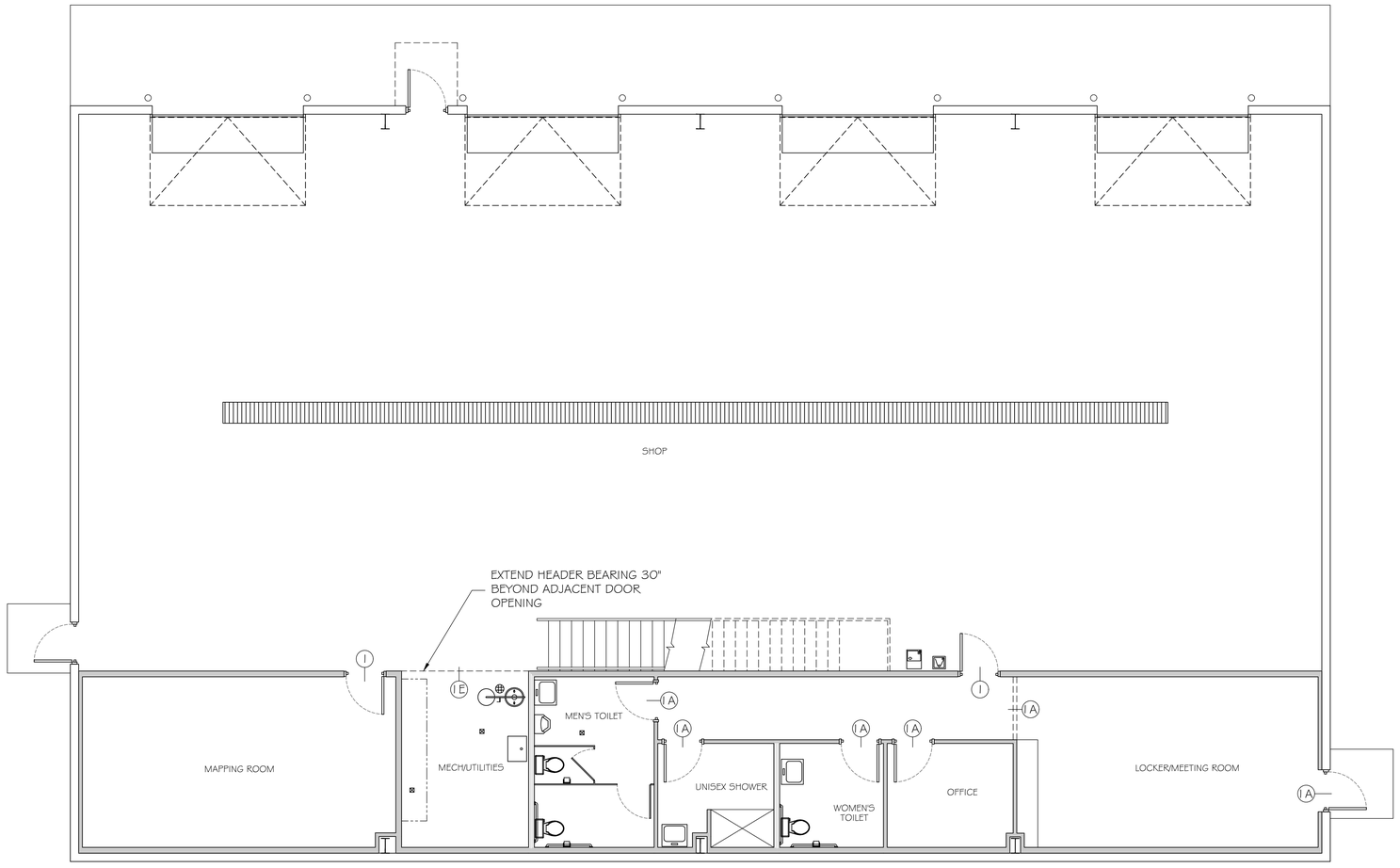
SE WATER OFFICE
NEW BUILDING

PULASKI CO. KY

SHEET NAME

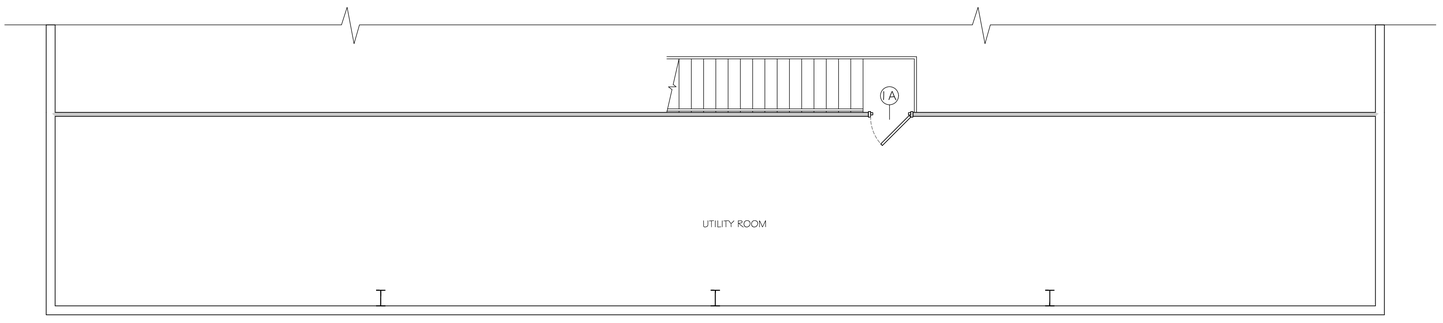
FOUNDATION DETAILS

PROJECT NUMBER	SHEET
1519 B	S1.3
DATE: 1-14-21	
SCALE AS NOTED	



1 / S2.0 BEAM/HEADER SCHEDULE

SCALE- 3/16" = 1'



2 / S2.0 BEAM/HEADER SCHEDULE

SCALE- 3/16" = 1'

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

BEAM/HEADER SCHEDULE

PROJECT NUMBER	SHEET
1519 B	S2.0
DATE: 1-14-21	
SCALE AS NOTED	

HEADER/BEAM SCHEDULE COLD FORMED STUDS/JOISTS

NOTE: HEADER/BEAM SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME ITEMS LISTED WILL NOT BE USED IN THIS WORK. OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE ITEMS FROM THIS SCHEDULE THAT ARE SPECIFICALLY IDENTIFIED WITH TAGS/SYMBOLS ON PLANS

TAG ◯	DESCRIPTION	ADDITIONAL FINISHES OR COVERING	MIN. REQUIRED BEARING WIDTH	ADDITION INFORMATION
1	(2) 800 S 162-54, 33 KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D
1A	(2) 600 S 162-33, 33KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D
1B	(2) 1200 S 162-68, 33 KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D
1C	(2) 1200 S 162-68, 50 KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D
1D	(2) 1200 S 137-97, 50 KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D
1E	(2) 1400 S 200-97, 50 KSI, BOX (OR BACK TO BACK) HEADER	SEE OTHER DETAILS	3.0"	WEB STIFFENERS ARE REQ'D

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25775
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

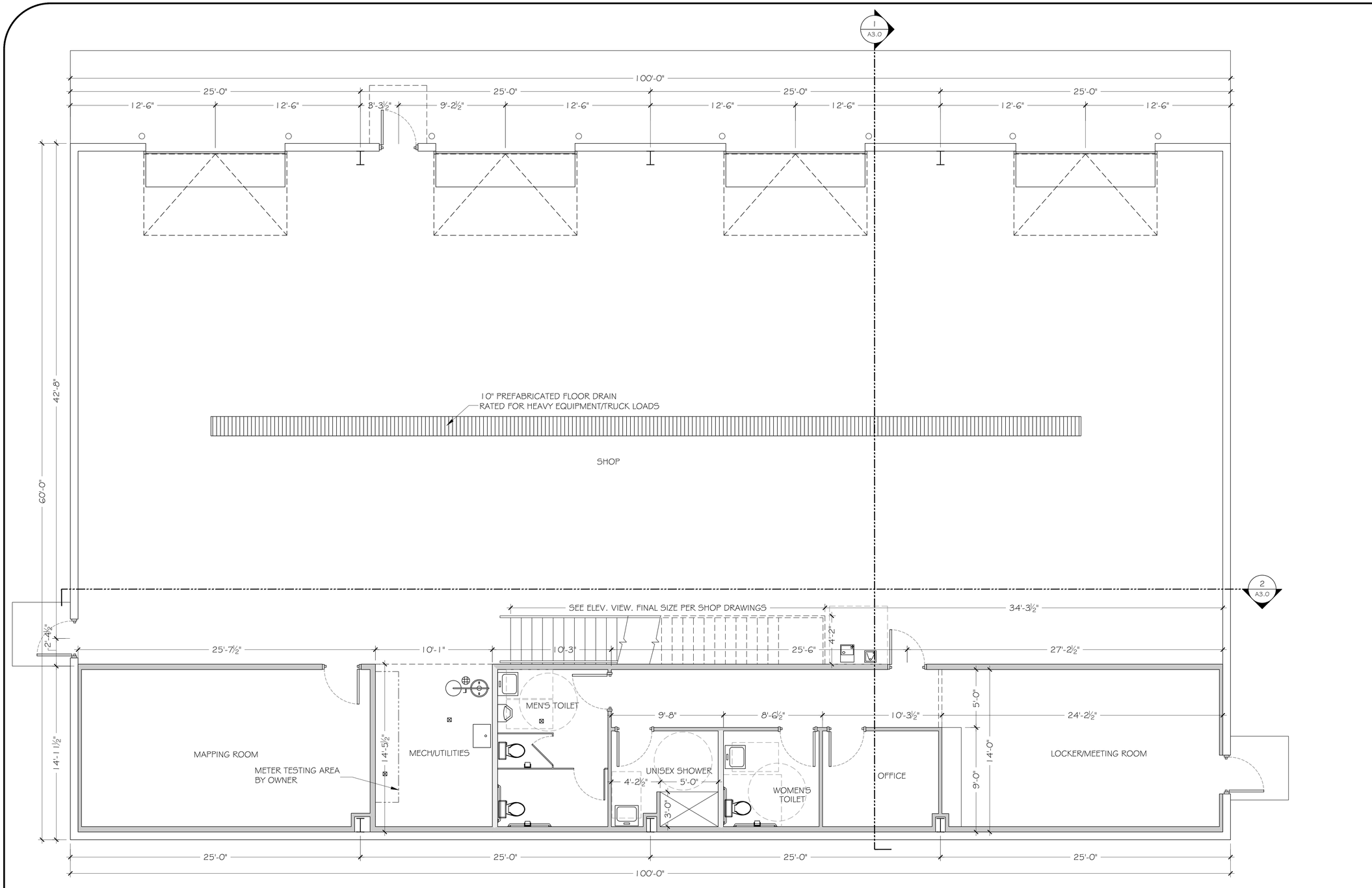
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

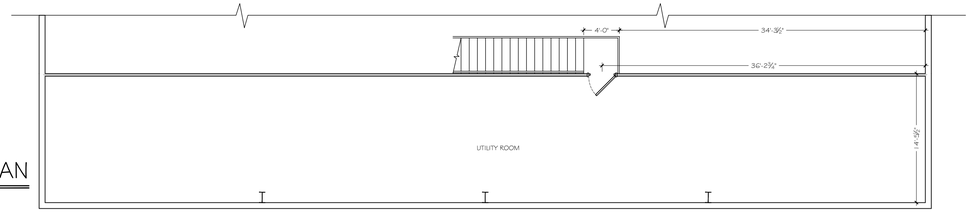
SHEET NAME

BEAM/HEADER SCHEDULE

PROJECT NUMBER	SHEET
1519 B	S2.1
DATE: 1-14-21	
SCALE AS NOTED	



1 A1.0 MAIN FLOOR FLOOR PLAN
SCALE- 1/4" = 1'



2 A1.0 UTILITY ROOM FLOOR PLAN
SCALE- 1/8" = 1'

General Notes

PLEASE NOTE:

ERIC N. WOOLDRIDGE 25773 LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY
1-14-21

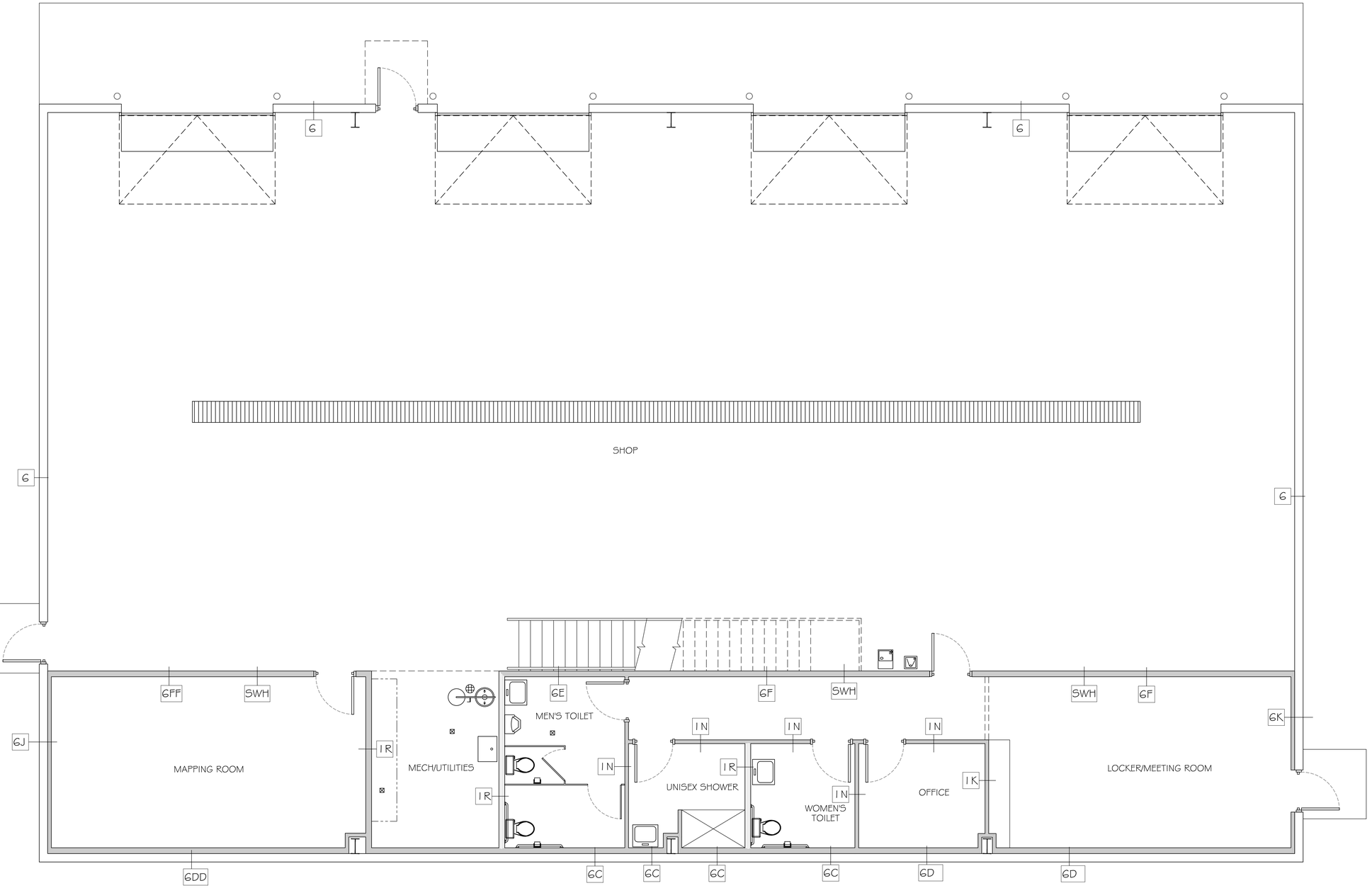
No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for
Architectural • Mechanical
Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
FLOOR PLAN
MAIN GARAGE/SHOP

PROJECT NUMBER	SHEET
1519 B	A1.0
DATE: 1-14-21	
SCALE AS NOTED	



1 / A1.01 MAIN SHOP AREA WALL TAGS

SCALE- 1/4" = 1'

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE · 28775 · LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

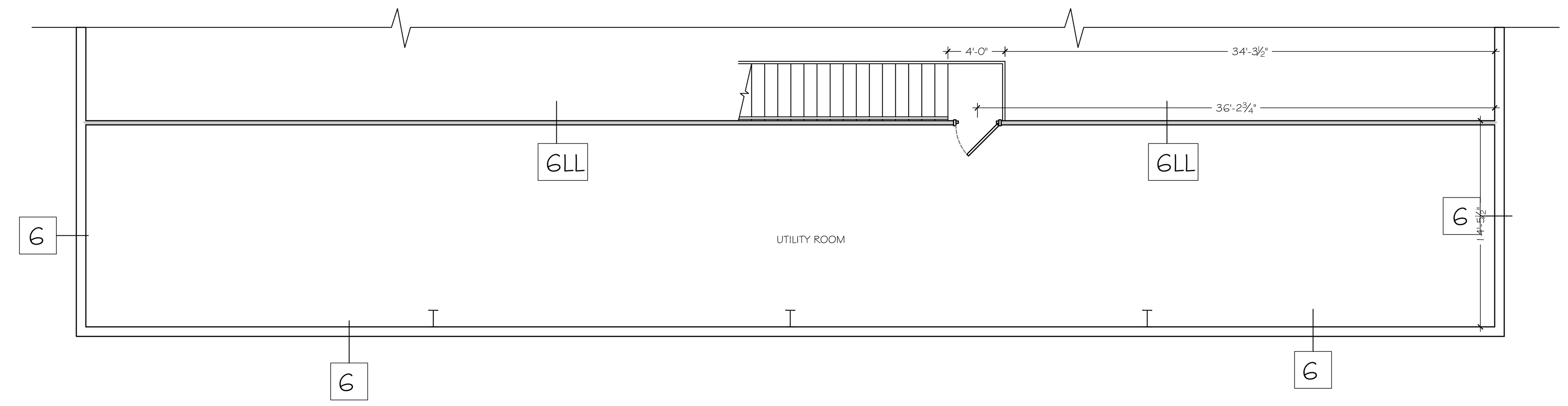
WALL TAGS

PROJECT NUMBER	SHEET
1519 B	A1.01
DATE: 1-14-21	
SCALE AS NOTED	

WALL ASSEMBLY SCHEDULE

NOTE: WALL ASSEMBLY SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME WALL ASSEMBLIES WILL NOT BE USED IN THIS WORK. OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE ASSEMBLIES FROM THIS SCHEDULE THAT ARE SPECIFICALLY IDENTIFIED WITH WALL TAGS ON PLANS

WALL TAG	FRAMING	FINISHES & FEATURES	UL	INSULATION	FIRE RATING	ADDITION INFORMATION
1	2X4 WOOD STUDS @ 16" OC	5/8 TYPE X GYPSUM EACH SIDE	U305	CELLULOSE FIBER FILL UL APPROVED	1 HR	---
1A	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM EACH SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
1B	2X4 WOOD STUDS @ 16" OC	5/8 TYPE X GYPSUM WITHIN MECH/ELEC EQUIPMENT SPACE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1C	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM W/ ADHERED RFP BOARD FINISH, KITCHEN INTERIOR SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1D	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM W/ ADHERED RFP BOARD FINISH, KITCHEN INTERIOR SIDE, 5/8 MOISTURE RESISTANT GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1E	2X4 WOOD STUDS @ 16" OC	FURRING WALL: 5/8 GYPSUM INTERIOR FACE. CONNECTIONS TO STRUCTURAL SYSTEM, EXTERIOR FINISH, ETC BY OTHERS	---	RECOMMENDED CELLULOSE FIBER FILL UL APPROVED, FOR THERMAL PERFORMANCE	---	---
1F	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM W/ ADHERED RFP BOARD FINISH, KITCHEN INTERIOR SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1G	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAME SYSTEM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1H	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, PEMB FRAME SYSTEM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1J	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAME SYSTEM OTHER SIDE	---	FULLY INSULATED, SEE INSULATION REQUIREMENTS	---	---
1K	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 GYPSUM BOTH SIDES	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1L	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, BOTH SIDES	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1M	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM GARAGE OR OPEN/UTILITY AREA SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1N	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM PLUMBING OR UTILITY/MECHANICAL AREA SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1P	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM EACH SIDE	U419	FIBERGLASS BATT	---	---
1Q	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM PLUMBING OR UTILITY/MECHANICAL AREA SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
1R	1-5/8X5-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM BOTH SIDES	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1S	1-5/8X5-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM PLUMBING OR UTILITY/MECHANICAL AREA SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FIBER FILL UL APPROVED	---	---
1T	1-5/8X5-1/2 METAL STUDS @ 16" OC	5/8 GYPSUM BOTH SIDES	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
2	2X6 WOOD STUDS @ 16" OC 1 HR RATED	5/8 TYPE X GYPSUM EACH SIDE	U305	CELLULOSE FIBER FILL UL APPROVED	1 HR	---
2A	2X6 WOOD STUDS @ 16" OC	5/8 TYPE X GYPSUM INTERIOR SIDE, 1- SIDED LP FIREBLOCK PLUS SHEATHING SEE OTHER NOTES FOR SIZE, FIRE CAULK JOINTS & EXTERIOR CLADDING (SEE OTHER DETAILS)	---	MINERAL WOOL	1 HR	CONTRACTOR TO REFERENCE INTERTEK LPB/WPPS-60-1 FOR COMPLETE INSTALLATION INSTRUCTIONS
2B	2X6 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, EXTERIOR SHEATHING, EXTERIOR CLADDING, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	---	FULL FILL CELLULOSE, OR 1" CLOSED CELL ICYNENE SPRAY FOAM INSULATION ON INTERIOR FACE OF WALL SHEATHING & 3" OF OPEN CELL SPRAY FOAM INSULATION, OR W/ 4.5" OF CELLULOSE FILL	---	---
2C	2X6 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, EXTERIOR SHEATHING, EXTERIOR CLADDING, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	---	FULL FILL CELLULOSE, OR 1" CLOSED CELL ICYNENE SPRAY FOAM INSULATION ON INTERIOR FACE OF WALL SHEATHING & 3" OF OPEN CELL SPRAY FOAM INSULATION, OR W/ 4.5" OF CELLULOSE FILL	---	---
2D	2X6 WOOD STUDS @ 16" OC	5/8 GYPSUM EACH SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 6" FIBERGLASS BATT	---	---
2E	2X6 WOOD STUDS @ 16" OC	5/8 TYPE X GYPSUM INTERIOR SIDE, EXTERIOR SHEATHING, EXTERIOR CLADDING, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	---	CELLULOSE FIBER FILL UL APPROVED	---	---
2F	2X6 WOOD STUDS @ 12" OC	5/8 GYPSUM EACH SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 6" FIBERGLASS BATT	---	PROVIDE BLOCKING, ALTERNATE BETWEEN SINGLE BLOCKING @ MID HEIGHT AND BLOCKING AT BOTH 1/3 & 2/3 HEIGHT PER EACH STUD CAVITY
2G	2X6 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, PEMB FRAME SYSTEM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
2H	2X6 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAME SYSTEM OTHER SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
2J	2X8 WOOD STUDS @ 16" OC	5/8 GYPSUM EACH SIDE	---	FOR SOUND CONTROL IF DESIRED BY OWNER, FIBERGLASS BATT	---	---
3	2X6 WOOD STUDS @ 16" OC	5/8 GYPSUM, NON STORAGE/PLUMBING FIXTURE SIDE 5/8 MOISTURE RESISTANT GYPSUM, OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 6" FIBERGLASS BATT	---	---
3A	2X6 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, EACH SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 6" FIBERGLASS BATT	---	---
3B	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, EACH SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
3C	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, WHERE DIRECTLY ADJACENT TO PLUMBING FIXTURE (SINK OR LAV), 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
3D	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, TOILET ROOM/EQUIPMENT SIDE, 5/8 GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
3E	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM, TOILET ROOM/EQUIPMENT SIDE, 5/8 TYPE X GYPSUM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
3F	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, EXTERIOR SHEATHING, EXTERIOR CLADDING, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	---	SEE INSULATION REQUIREMENTS FOR EXTERIOR WALLS	---	---
4	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM INTERIOR SIDE, EXTERIOR SHEATHING, EXTERIOR CLADDING, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	---	CELLULOSE FIBER FILL UL APPROVED	---	---
4B	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	½ CEMENT BOARD, 5/8 TYPE X GYPSUM, METAL STUDS, 5/8 TYPE X GYPSUM INTERIOR SIDE, (SEE OTHER NOTES & DETAILS FOR DIMENSIONS & SPECIFICATIONS)	U473	MINERAL WOOL	1 HR	---
4C	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM W/ ADHERED RFP BOARD FINISH, KITCHEN INTERIOR SIDE, 5/8 TYPE X GYSUM OTHER SIDE FACING PEMB FRAMING SYSTEM	---	MINERAL WOOL	---	RIGIDLY CONNECT TO PEMB FRAME AND CONC SLAB
4D	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR FACING SIDE, PEMB FRAMING OTHER SIDE, RECOMMEND DOUBLE BUBBLE RADIANT BARRIER SHEATHING WRAP BETWEEN STUDS AND PEMB FRAMING, STAPLE AT 2" OC EACH WAY	---	CELLULOSE FILL OR 4" FIBERGLASS BATT	---	RIGIDLY CONNECT TO PEMB FRAME AND CONC SLAB
4E	2X4 WOOD STUDS @ 16" OC	5/8 TYPE X GYPSUM MECHANICAL ROOM/STORAGE/EQUIPMENT SIDE PEMB FRAME SYSTEM OTHER SIDE	---	FOR SOUND CONTROL: CELLULOSE FILL OR 4" FIBERGLASS BATT	---	---
4F	2X4 WOOD STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, SEE OTHER DETAILS FOR OTHER SIDE FINNISH	---	CELLULOSE FILL	---	---
4G	2X4 WOOD STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, SEE OTHER DETAILS FOR OTHER SIDE FINNISH	---	CELLULOSE FILL	---	---
4H	EXISTING WALL	SEE OTHER DETAILS OR PERFORM A SITE VISIT TO DETERMINE	---	SEE OTHER DETAILS OR PERFORM A SITE VISIT TO DETERMINE	---	---
5	8" CMU 3 HR FIRE WALL.	FURRING CHANNELS -7/8 IN. MIN. 25 GA. GALV STEEL, 1-3/8" WIDE ON TOP & 2-3/4 IN. WIDE @ BOTTOM 24" OC CHANNEL PERPENDICULAR TO FLOOR W/ A PARALLEL CHANNEL 3" AFF & 3" BELOW CEILING BETWEEN VERTICAL AND HORIZONTAL CHANNELS ½." 5/8 TYPE X GYPSUM FINISH.	U914	---	---	SHALL EXTEND HORIZONTALLY 18" MIN. BEYOND EXTERIOR SURFACE OF EXTERIOR WALLS SHALL EXTEND VERTICALLY 30" MIN. ABOVE BOTH ADJACENT ROOFS
5A	2X6 WOOD STUDS @ 16" OC 2 HR FIRE WALL.	INTERIOR: TWO LAYERS OF 5/8 TYPE X GYPSUM. EXTERIOR: 5/8 NON-RATED GYPSUM SHEATHING APPLIED HORIZONTALLY. CORRUGATED WALL TIES -3/4" X 6-5/8," 20 MSG GALV STEEL. ATTACHED TO EACH STUD W/ 2-3/8" THICK LONG 8D CEMENT COATED NAILS, EVERY 6TH COURSE. CLAY FACE BRICKS - 2-1/4" X 3-3/4" X 8" W/ CORED HOLES, LAID IN FULL BED OF MORTAR 3/8 TO 1/2" THICK CONSISTING OF 3 PARTS OF CLEAN SHARP SAND TO 1 PART OF PORTLAND CEMENT (PROPORTIONED BY VOL) AND 15% HYDRATED LIME (BY CEMENT VOL)	U302	MINERAL WOOL	---	SHALL EXTEND HORIZONTALLY 18" MIN. BEYOND EXTERIOR SURFACE OF EXTERIOR WALLS SHALL EXTEND VERTICALLY 30" MIN. ABOVE BOTH ADJACENT ROOFS
6	PEMB WALL SYSTEM FRAMING	EXTERIOR WALL METAL PANEL FINISH (OWNER SELECT COLOR), INTERIOR METAL PANEL FINISH 12' TALL WHITE IN COLOR	---	SEE OTHER NOTES	---	---
6A	PEMB WALL SYSTEM FRAMING	EXTERIOR WALL METAL PANEL FINISH (OWNER SELECT COLOR), WHITE INTERIOR METAL PANEL FINISH, SEE OTHER DETAILS FOR ADDITIONAL REQUIREMENTS	---	SEE OTHER NOTES/DETAILS	---	---
6B	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME
6C	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME
6D	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME
6DD	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 TYPE X FIRE RATED GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME
6E	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM BOTH SIDES	---	CELLULOSE FILL	---	---
6F	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 GYPSUM, NON GARAGE/STORAGE/PLUMBING FIXTURE SIDE 5/8 MOISTURE RESISTANT GYPSUM, OTHER SIDE	---	CELLULOSE FILL	---	---
6FF	1-5/8X5-1/2 LOAD BEARING METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM, NON GARAGE/STORAGE/PLUMBING FIXTURE SIDE 5/8 MOISTURE RESISTANT GYPSUM, OTHER SIDE	---	MINERAL WOOL	---	---
6G	1-5/8X5-1/2 METAL STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME
6H	1-5/8X5-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE.	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME.
6J	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 TYPE X GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME.
6L	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME.
6M	1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 GYPSUM INTERIOR SIDE, PEMB FRAMING SYSTEM OTHER SIDE	---	SEE OTHER NOTES/DETAILS	---	PROVIDE CONTINUOUS DOUBLE BUBBLE RADIANT BARRIER BETWEEN STUD WALL & PEMB FRAME.
7	8" CMU, SEE OTHER DETAILS	INTERIOR FACE FURRED 7/8" RESILIENT FURRING CHANNELS @ 24" OC W/ CHANNELS PARALLEL TO FLOOR & CEILING W/N 3" & 1/2 TYPE X GYPSUM BOARD FINISH	U914	NA	1 HR	---
7A	8" CMU & 1-5/8X3-1/2 METAL STUDS @ 16" OC	5/8 MOISTURE RESISTANT GYPSUM ON METAL STUD SIDE, TYPICAL CMU FINISH ON OTHER SIDE	---	---	---	---
8	12" ICF, SEE PROVIDERS DETAILS	SEE OTHER DETAILS FOR INTERIOR AND/OR EXTERIOR FINISH	---	NA	---	---



UTILITY RM. WALL TAGS
1 / A1.02
SCALE- 1/8" = 1'

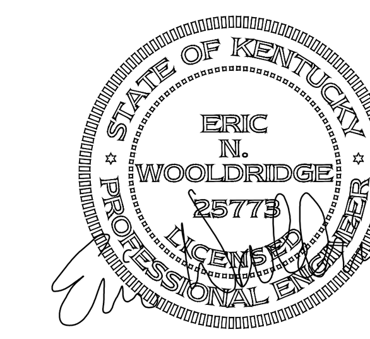
SHEAR WALL SCHEDULE

NOTE: SHEAR WALL SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME WALL TYPES WILL NOT BE USED IN THIS WORK. OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE WALL TYPES FROM THIS SCHEDULE THAT ARE SPECIFICALLY IDENTIFIED WITH WALL TAGS ON PLANS

SYMBOL	WOOD/GYP PANEL SHEATHING REQUIREMENTS	FASTENER SIZE & REQUIREMENTS	SPECIFICATIONS & NOTES
SWA	3/8" MIN. THICKNESS & STRUCTURAL GRADE I	8d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 6" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 6" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWB	15/32" MIN. THICKNESS & STRUCTURAL GRADE I	10d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 4" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 6" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWC	3/8" MIN. THICKNESS & STRUCTURAL GRADE I	8d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 2.5" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 4" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWD	3/8" MIN. THICKNESS & STRUCTURAL GRADE I	8d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 2" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 3" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWE	3/8" MIN. THICKNESS & STRUCTURAL GRADE I	8d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 4" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 6" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWF	3/8" MIN. THICKNESS & STRUCTURAL GRADE I. ONE SIDED LP FLAMEBLOCK, SEE PROVIDED DETAIL	8d NAILS, MIN. 1.375" PENETRATION	NAIL SPACING TO BE MAX. 6" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 6" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWG	15/32" MIN. THICKNESS & STRUCTURAL GRADE I	10d NAILS, MIN. 1.5" PENETRATION	NAIL SPACING TO BE MAX. 2" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 3" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD.
SWH	MIN. ½ GYPSUM BOARD (BOTH SIDES) ON METAL STUD FRAMED WALL, 16" OC, MIN. 5-1/2X1-5/8X0.033	MIN. WALL FRAMING SCREW: WAFER HEAD SELF DRILLING NO. 8 X ⅝ MIN. GYPSUM SCREWS NO. 6 X 1	SCREW SPACING TO BE MAX. 4" ALONG PANEL EDGES, PROVIDE STRAP BLOCKING @ ALL DIAPHRAGM EDGES PARALLEL TO HORIZONTAL WIND LOAD & MAX. 4" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE PERPENDICULAR TO STUDS & STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD. ADDITIONALLY PROVIDE SOLID BLOCKING BETWEEN THE FIRST TWO END STUDS
SWX	3/8" MIN. THICKNESS & STRUCTURAL GRADE I	8d NAILS, MIN. 1.5" PENETRATION	NAIL SPACING TO BE MAX. 6" ALONG PANEL EDGES, MAX. 12" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD. PROVIDE BLOCKING @ MID HEIGHT OR A MAXIMUM OF 6' OC SPACING

General Notes

PLEASE NOTE:



1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

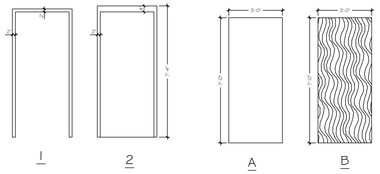
Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
WALL TAGS & SCHEDULE

PROJECT NUMBER 1519 B
DATE: 1-14-21
SCALE AS NOTED
SHEET A1.02



NOTE: DOOR FINISH
DOORS LISTED AS SOLID CORE WOOD (SCW) SHALL BE AS FOLLOWS: ALGOMA WITH A LIFE OF INSTALLATION WARRANTY PERIOD, PLAIN SLICED CHERRY AWI PREMIUM GRADE A FACE, VERTICAL EDGES TO MATCH FACE, TRG FINISH WITH STAIN (COLOR TO BE SELECTED BY OWNER) OR EQUAL.

NOTE: INTERIOR SIGNAGE
ALL SIGNAGE TO BE DARK BRONZE FRAME W/ BONE COLOR BACKGROUND. ALL LETTERS TO MATCH FRAME COLOR, BRONZE. CURVED STYLE HOLDER.

ROOM NAME SIGNS ARE 4" X 3" IN SIZE.

RESTROOM SIGNS ARE TO BE 8" X 10" AND COLOR TO MATCH ROOM NAME SIGNS.

MANUFACTURE ASI SIGNAGE INNOVATIONS OR EQUAL. TO BE APPROVED BY OWNER

NOTE:
ALL OFFICE FURNITURE PROVIDED BY OWNER.
CONTRACTOR TO PROVIDE ANY BUILT-IN CABINETS.
KITCHEN, TOILET ROOMS, & CONFERENCE BUILT-IN

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	WAINSCOT	CEIL.	CEIL. HEIGHT	NOTES
101	LOCKER ROOM	STAINED CONCRETE	6" WOOD	G.W.B.	———	ACT	10'-0"	
102	CORRIDOR	STAINED CONCRETE	6" WOOD	G.W.B.	———	ACT	10'-0"	
103	OFFICE	STAINED CONCRETE	6" WOOD	G.W.B.	———	ACT	10'-0"	
104	WOMENS TOILET	STAINED CONCRETE	4" VINYL	G.W.B.	———	ACT	10'-0"	
105	UNISEX SHOWER	STAINED CONCRETE	4" VINYL	G.W.B.	———	ACT	10'-0"	
106	MENS TOILET	STAINED CONCRETE	4" VINYL	G.W.B.	———	ACT	10'-0"	
107	SHOP	CONCRETE	N/A	METAL	———	EXPOSED	VARIES	
108	MECH/UTILITIES	CONCRETE	N/A	METAL	———	METAL	12'-0"	
109	MAPPING	CONCRETE	6" WOOD	G.W.B.	———	ACT	10'-0"	
110	UTILITY ROOM	ADVANTECH	6" WOOD	G.W.B.	———	EXPOSED	VARIES	

DOOR & FRAME SCHEDULE

DOOR NO.	SIZE	DOOR THK.	TYPE	DOOR MAT'L	LOCKSET KEY NO.	FRAME MAT'L	FRAME ELEV.	HEAD	JAMB	THRES	NOTES
1	3'-0" X 7'-0"	1-3/4"	A	STEEL	1	HM	2			YES	1,3,4,6,10
2	3'-0" X 7'-0"	1-3/4"	A	STEEL	1	HM	2			YES	1,3,4,6,8,10
3	3'-0" X 7'-0"	1-3/4"	A	STEEL	5	HM	1				2,3,7,8,10
4	3'-0" X 7'-0"	1-3/4"	B	SCW	4	HM	1				7
5	3'-0" X 7'-0"	1-3/4"	B	SCW	6	HM	1				7
6	3'-0" X 7'-0"	1-3/4"	A	STEEL	5	HM	1				2,3,7,8,10
7	12' X 12' O.H.										10
8	12' X 16' O.H.										10

NOTES: DOOR SCHEDULE

1. STEEL DOOR PER MBM
2. 1 HR RATED DOOR
3. SELF CLOSERS
4. PANIC HARDWARE
5. ALUMINUM STOREFRONT DOORS W/ 1" TEMP. INSUL. GLASS & WEATHER STRIPPING
6. HANDICAP THRESHOLD.
7. ALL INTERIOR DOORS TO HAVE LEVER STYLE HANDLE
8. STAINLESS STEEL KICK PLATE
9. DOOR TO HAVE LOCK CYLINDER
10. INSULATED DOOR
11. 3 HR RATED DOOR
12. TEMPERED GLASS

SCW ---- SOLID CORE WOOD
WD ---- WOOD
ALUM.--- ALUMINUM
H.M. ---- HOLLOW METAL
O.H. ---- OVERHEAD
PR ----- PAIR

DOOR HARDWARE

A. ALL DOOR HANDLES SHELL BE LEVER ACTION, UNLESS OTHERWISE NOTED. ALL LEVER HANDLE DOORS (ALL STEEL AND WOOD DOORS, NOT ALUMINUM STOREFRONT) SHALL RECEIVE SCHLAGE "SPARTA" SPA L-SERIES IN SATIN NICKEL (613) FINISH.

B. DOORS SHALL RECEIVE 5 KNUCKLE HINGES IN SATIN NICKEL 613/US10B FINISH (PREFERRED) OR SATIN STAINLESS STEEL 630 FINISH. DOORS 7'-0" OR LESS SHALL RECEIVE THREE SETS OF HINGES. 8'-0" DOORS SHALL RECEIVE FOUR SETS OF HINGES.

C. WHERE CLOSERS ARE CALLED FOR PROVIDE LCN 1460 SERIES CLOSERS WITH SATIN NICKEL 613/US10B FINISH (PREFERRED) OR SATIN STAINLESS STEEL 630 FINISH. INCLUDE DESIGNER SERIES METAL COVER.

D. DOORS OPENING AGAINST WALLS SHALL HAVE WROUGHT WALL STOPS BY ROCKWOOD - MODEL NO. 409 IN SATIN NICKEL 613/US10B FINISH (PREFERRED) OR SATIN STAINLESS STEEL 630 FINISH.

E. THRESHOLD: WHERE CALLED FOR, UTILIZE PEMKO 2005T IN FINISH "A" - MILL FINISH ALUMINUM

F. ALL OTHER HARDWARE SHALL HAVE 613/US10B FINISH, IF AVAILABLE. IF 613 FINISH NOT AVAILABLE PROVIDE WITH SATIN STAINLESS (630) FINISH.

G. KICK PLATES SHALL BE INCLUDED ON DOORS AS INDICATED IN THE DOOR SCHEDULE. KICK PLATE FINISHES TO MATCH OTHER DOOR HARDWARE.

H. ALL LOCKSETS SHALL BE KEYED TO MATCH GRAND MASTER KEY SCHEDULE.

I. STAINLESS STEEL POST W/ AUTOMATIC ADA PUSH PLATE FOR AUTOMATIC DOOR OPENER. LARCO BRAND OR EQUAL TO.

J. AUTOMATIC ADA DOOR OPENER WALL MOUNTED LARCO BRAND OR EQUAL TO.

LOCKSET KEY

1. EGRESS DOOR LOCKSET (ENTRANCE) - PANIC HARDWARE WITH KEYED LOCKING OPERATION. LOCKSET DISENGAGES W/ OPERATION OF PANIC DEVICE FROM INTERIOR SIDE. PANIC HARDWARE HAS CAPACITY TO BE DOGGED IN THE UNLATCHED POSITION. HANDLE ON EXTERIOR (PULL) SIDE OF DOOR

2. EGRESS DOOR LOCKSET (LATCHING PASSAGE) - PANIC HARDWARE RELEASES DOOR LATCH. DOGGING LATCH OPEN IS NOT PERMITTED. LEVER HANDLE ON PULL SIDE OF DOOR.

3. EGRESS DOOR LOCKSET (PASSAGE) - PANIC HARDWARE WITH KEYED LOCKING OPERATION. LOCKSET DISENGAGES W/ OPERATION OF PANIC DEVICE FROM INTERIOR SIDE. PANIC HARDWARE HAS CAPACITY TO BE DOGGED IN THE UNLATCHED POSITION. LEVER HANDLE ON PULL SIDE OF DOOR.

4. OFFICE LOCKSET - THE LATCHBOLT IS RETRACTED BY THE GRIP ON EITHER SIDE UNLESS THE OUTSIDE GRIP IS LOCKED BY THE TOGGLE OR OUTSIDE KEY. OPERATING THE INSIDE GRIP DOES NOT UNLOCK THE OUTSIDE GRIP.

5. PASSAGE LOCKSET - THE LATCHBOLT IS ALWAYS RETRACTED BY THE GRIP ON EITHER SIDE. BOTH GRIPS ARE ALWAYS FREE.

6. PRIVACY LOCKSET - THE LATCHBOLT IS RETRACTED BY THE GRIP ON EITHER SIDE UNLESS THE OUTSIDE GRIP IS LOCKED BY THE INSIDE THUMB-TURN, BUTTON, OR KEY. OPERATING THE INSIDE GRIP UNLOCKS THE OUTSIDE GRIP. AN EMERGENCY RELEASE TOOL UNLOCKS THE OUTSIDE GRIP.

7. PUSH/PULL PASSAGE - PUSH PLATE AND PULL HANDLES, AND KICK PLATES EACH SIDE OF DOOR NO LATCHING MECHANISM.

8. STORAGE ROOM LOCKSET - THE LATCHBOLT IS RETRACTED BY THE INSIDE GRIP OR OUTSIDE GRIP AND CAN BE LOCKED OR UNLOCKED ONLY WITH A KEY.

9. CLASSROOM LOCKSET - THE LATCHBOLT IS RETRACTED BY THE GRIP ON EITHER SIDE UNLESS THE OUTSIDE GRIP IS LOCKED BY THE OUTSIDE KEY.

STAINED CONCRETE FLOOR
BY ONE OF THE FOLLOWING MANUFACTURERS:
- KEMIKO PRODUCTS, INC.
- OR EQUAL TO

COLOR, PATTERN, ETC...A.S.B.O.

RUBBER WALL BASE- 5" COVE
BY ONE OF THE FOLLOWING MANUFACTURERS:
- ARMSTRONG WORLD INDUSTRIES, INC.
- AZROCK INDUSTRIES, INC.
- FLEXCO, INC.

COLOR, PATTERN, ETC...A.S.B.O.

CARPET: INDUSTRIAL SQUARES
BY ONE OF THE FOLLOWING MANUFACTURERS:
- MOHAWK
- SHAW

COLOR, PATTERN...A.S.B.O.
$20.00 YD ALLOWANCE FOR CARPET AND INSTALLATION

CERAMIC TILE
CERAMIC TILE- 3/8", 12" X 12"
BY ONE OF THE FOLLOWING MANUFACTURERS:
- DAL-TILE
- AZROCK INDUSTRIES, INC.

COLOR, PATTERN, ETC...A.S.B.O.

PAINT
PRODUCTS:
- SHERWIN-WILLIAMS COMPANY
- PORTER PAINT COMPANY
- BENJAMIN-MOORE AND COMPANY

PROVIDE ONE PRIME COAT AS RECOMMENDED BY MANUFACTURER
PROVIDE TWO FINISH COATS AS RECOMMENDED BY MANUFACTURER
"EGGSHELL" FINISH
COLORS A.S.B.O.

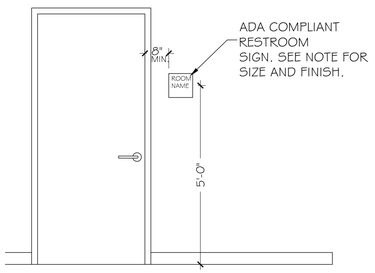
ACOUSTIC PANEL SUSPENDED CEILINGS
DIRECT HUNG SUSPENSION SYSTEMS: 15/16" WIDE INTERMEDIATE DUTY SYSTEM
BY ONE OF THE FOLLOWING MANUFACTURERS:
- ARMSTRONG WORLD INDUSTRIES, INC.
- USG INTERIORS, INC.

ACOUSTIC CEILING PANELS,
PROVIDE AND INSTALL THE FOLLOWING:
- USG OR APPROVED EQUAL, FISSURED ACOUSTICAL CEILING TILE 2' X 2' X 5/8", FISSURED, FLUSH-EDGE, WHITE.

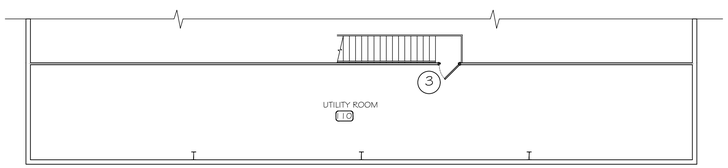
CABINETS
KITCHEN CABINETS TO BE A FACTORY MADE, FLAT PANEL DOOR. FORMICA COUNTER TOPS.

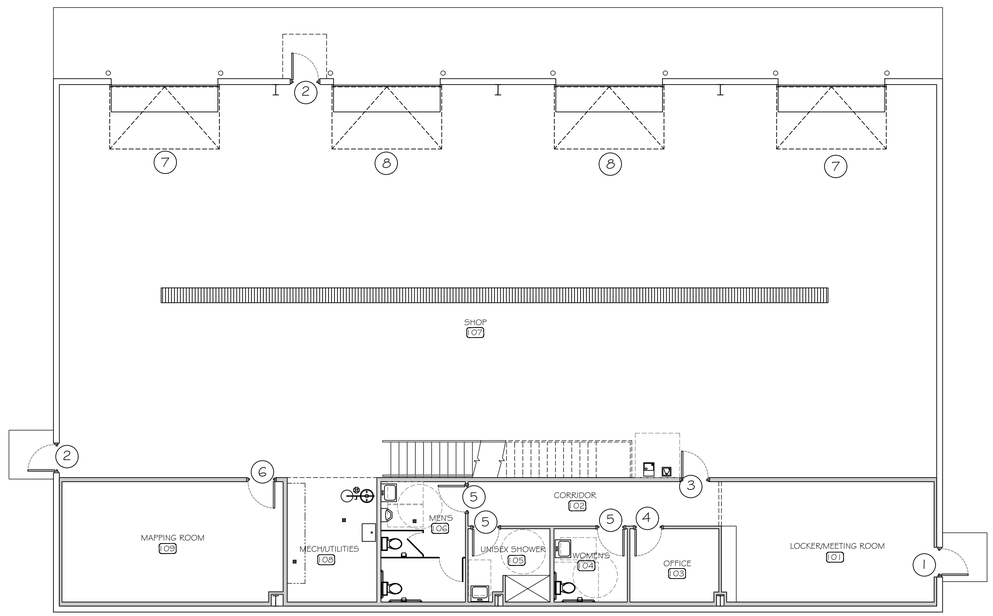
COLOR, PATTERN, ETC...A.S.B.O.

KITCHEN SINK
KOHLER TOCCATA 22" X 33" STAINLESS STEEL DOUBLE BASIN DROP-IN SINK, 9" DEPTH, 18 GA.



1 / A1.1 TYP. INTERIOR ROOM SIGN LOCATION
SCALE- N/A





2 / A1.1 DOOR & WINDOW LOCATION
SCALE- N/A

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
22773
LICENSED
PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

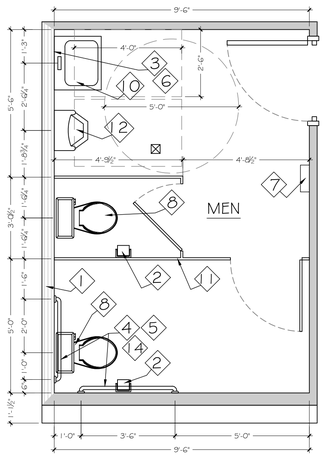
Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

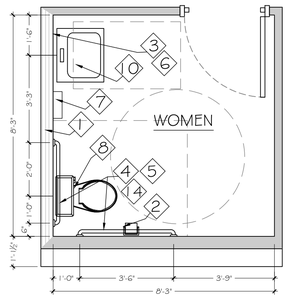
SHEET NAME
DOOR & WINDOW SCHEDULE

PROJECT NUMBER	SHEET
1519 B	A1.1
DATE: 1-14-21	
SCALE AS NOTED	



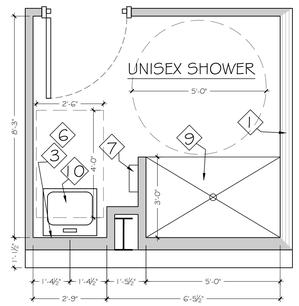
1 A2.1 ENLARGED TOILET

SCALE- 3/8" = 1'



2 A2.1 ENLARGED TOILET

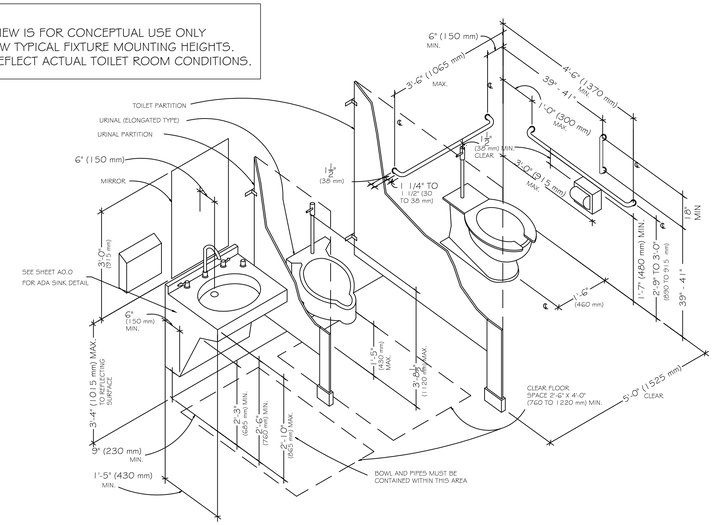
SCALE- 3/8" = 1'



3 A2.1 ENLARGED TOILET

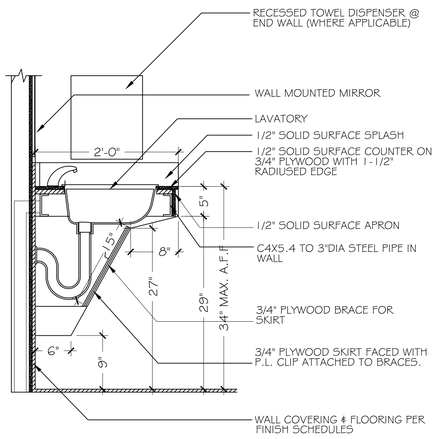
SCALE- 3/8" = 1'

NOTE:
ELEVATION VIEW IS FOR CONCEPTUAL USE ONLY AND TO SHOW TYPICAL FIXTURE MOUNTING HEIGHTS. DOES NOT REFLECT ACTUAL TOILET ROOM CONDITIONS.



4 A1.2 TYP. TOILET LAYOUT

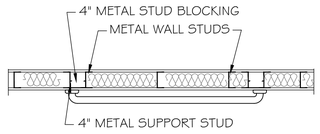
SCALE- N/A



5 A1.2 VANITY DETAIL

SCALE- N/A

NOTE:
SEE ENLARGED TOILET LAYOUTS, THIS SHEET FOR TYP. BLOCKING LOCATIONS. SEE DETAIL 4/A1.1 FOR TYP. MOUNTING HEIGHTS. FIELD VERIFY ALL LOCATIONS



6 A1.2 GRAB BAR BLOCKING DETAIL

SCALE- N/A

TOILET SCHEDULE

1. 2 X 6 WOOD STUD PLUMBING CHASE W/ ACOUSTICAL INSULATION
2. TOILET PAPER DISPENSER - SURFACE MOUNTED, BOBRICK B-386 CLASSIC SERIES MOUNT TOP 31" ABOVE FINISH FLOOR & 18" - 24" FROM BACK WALL COORDINATE W/ GRAB BARS.
3. SOAP DISPENSER - BOBRICK B-2111 CLASSIC SERIES SURFACE MOUNT
4. GRAB BAR - 36" LG. X 1" - MOUNT 33" ABOVE FINISH FLOOR.
5. GRAB BAR - 36" LG. X 1" - MOUNT 33" ABOVE FINISH FLOOR.
6. MIRROR 24"W X 36"H MT. BOTTOM 40" MAX A.F.F.
7. TOWEL DISPENSER - BOBRICK B-3944 RECESSED CLASSIC TOWEL/ WASTE RECEPTACLE.
8. TOILET TO BE KOHLER HIGHLINE CLASSIC WHITE 1.28 GPF ELONGATED 2-PIECE COMFORT HEIGHT.
9. FIBERGLASS SHOWER INSERT
10. ADA VANITIES TO BE PLASTIC LAMINATE TOPS, W/ WHITE CERAMIC SINK, WALL MOUNTED, SEE SHEET A0.0 FOR MOUNTING HGTS. ALSO W/ HANDS FREE SENSOR
11. TOILET PARTITIONS, POWDER COATED STEEL. BY BRADLEY
12. URINAL, AMERICAN STANDARD 18.875" W X 26.125" H WHITE WALL-MOUNTED WATER SENSE
13. RECESSED SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER, BOBRICK B-3094 CLASSIC SERIES
14. VERTICAL GRAB BAR 18" LONG, LOCATION PER DIAGRAM

General Notes

PLEASE NOTE:

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

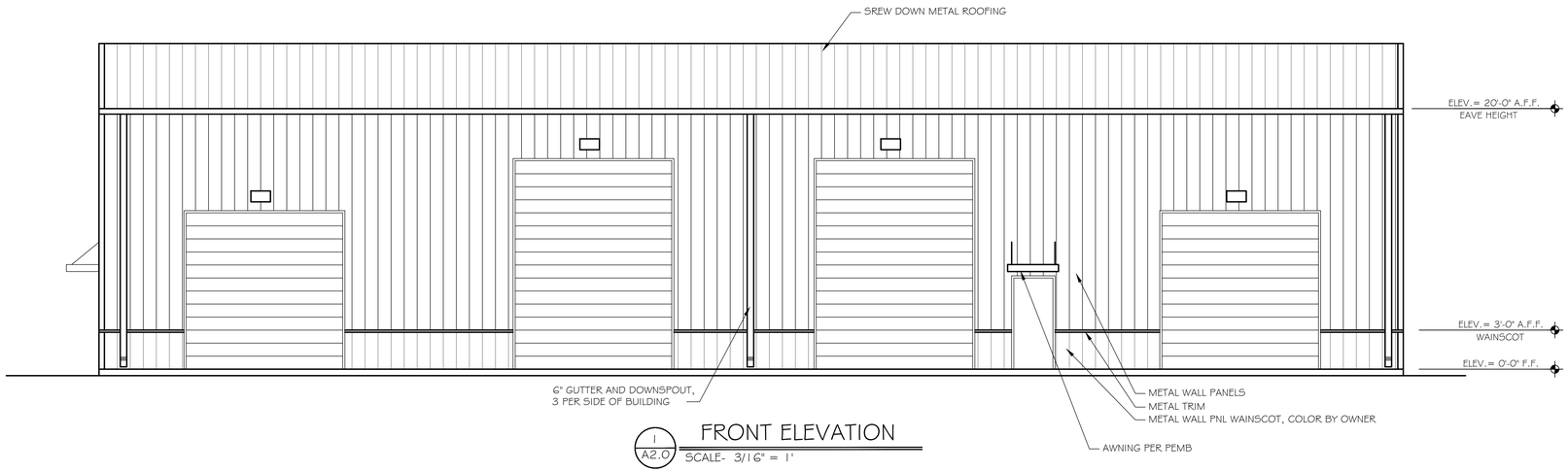
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

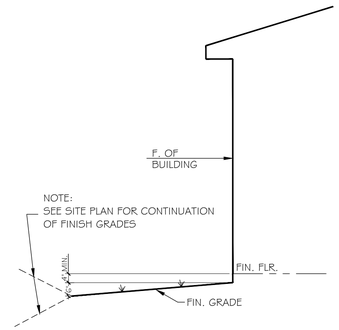
ENLARGED TOILET &
INTERIOR ELEVATIONS

PROJECT NUMBER	SHEET
1519 B	A1.2
DATE: 1-14-21	
SCALE AS NOTED	

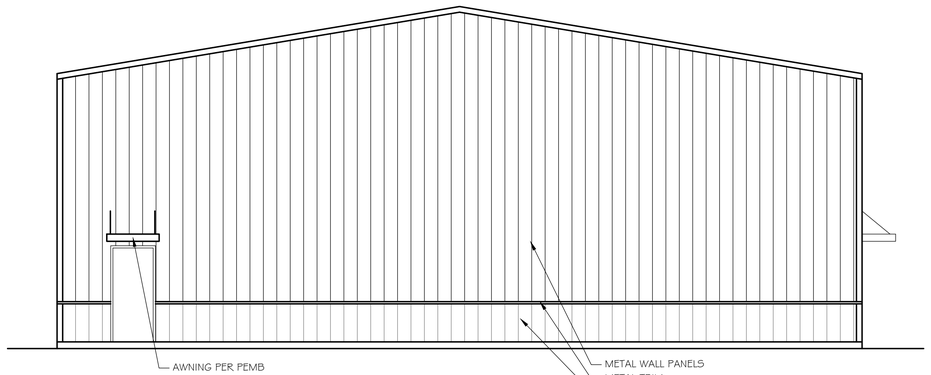


1 / A2.0 FRONT ELEVATION

SCALE- 3/16" = 1'

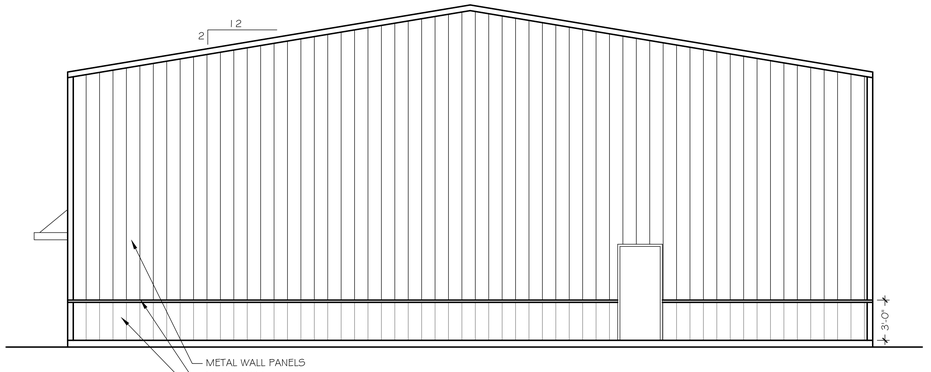


TYP. MIN. GRADE DETAIL
AT PERIMETER OF BUILDING



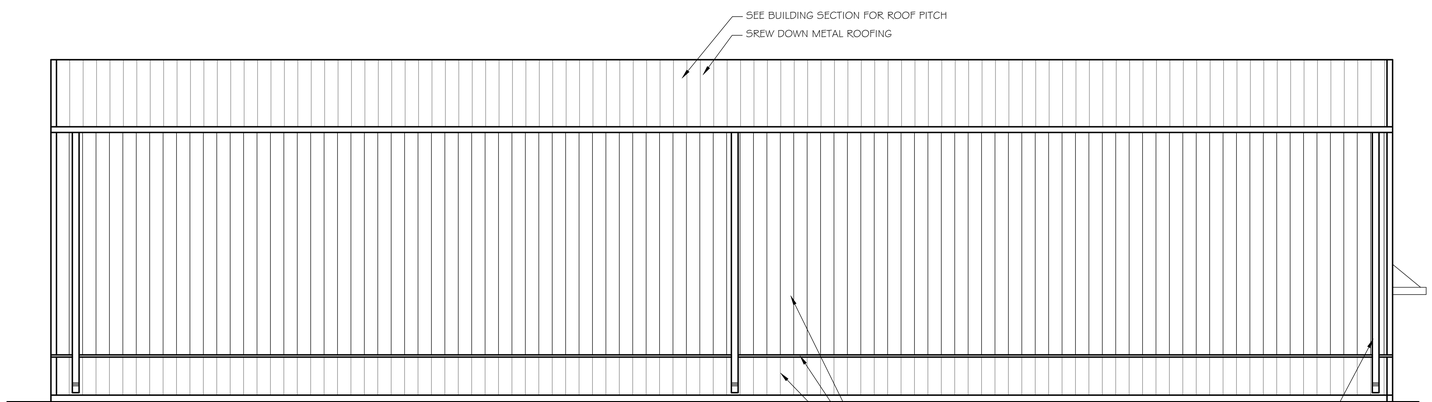
2 / A2.0 LEFT ELEVATION

SCALE- 3/16" = 1'



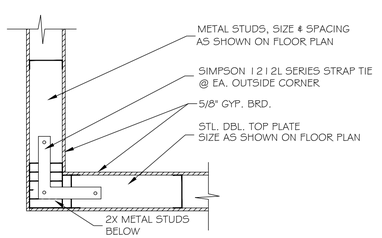
3 / A2.0 RIGHT ELEVATION

SCALE- 3/16" = 1'



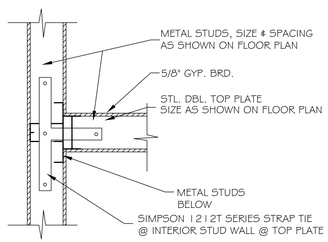
4 / A2.0 BACK ELEVATION

SCALE- 3/16" = 1'



TYP. CORNER REINF. DETAIL

SCALE- N.T.S.



TYP. "T" WALL REINF. DETAIL

SCALE- N.T.S.

General Notes

PLEASE NOTE:

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

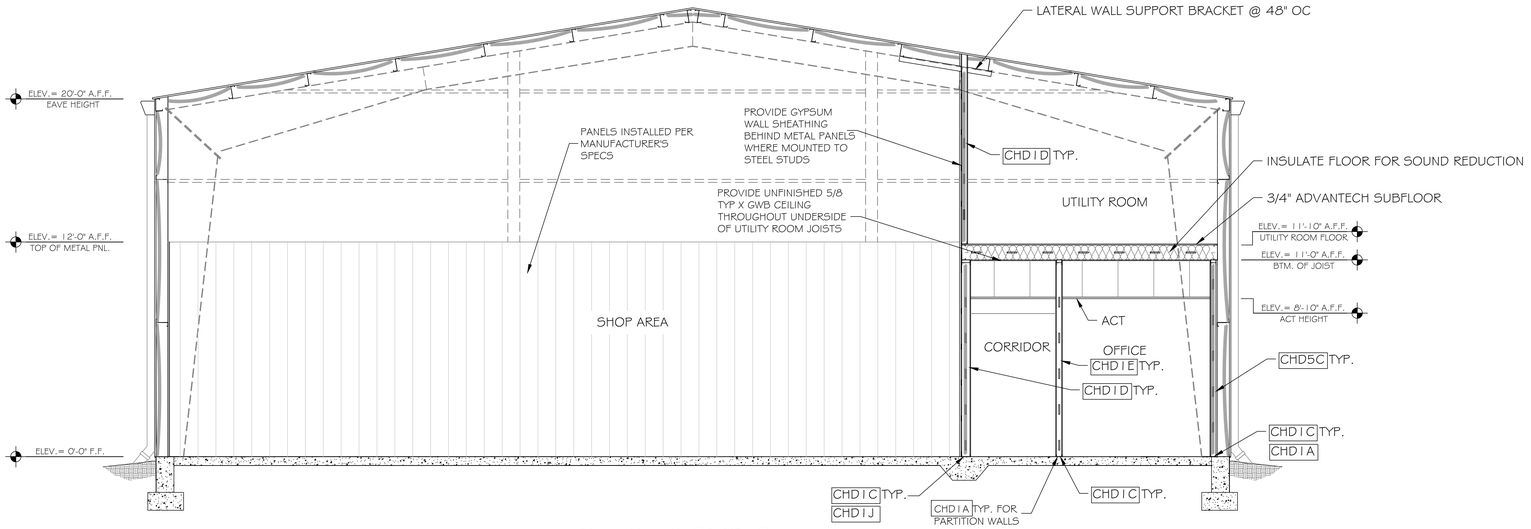
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

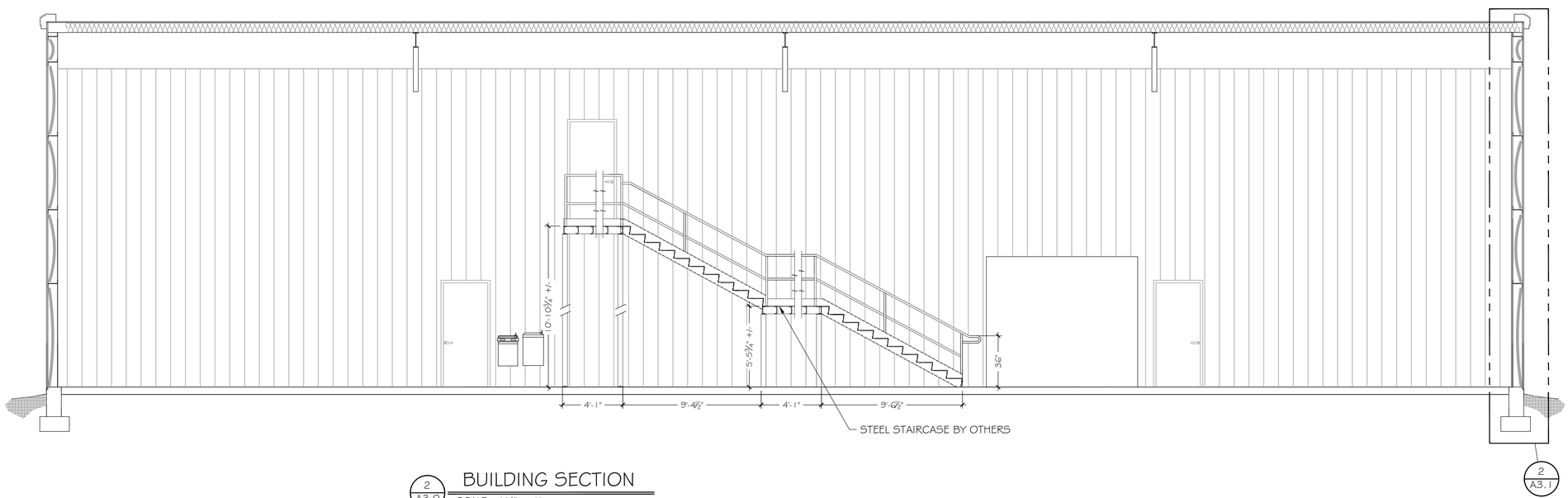
ELEVATION VIEWS
BUILDING (B)

PROJECT NUMBER	SHEET
1519 B	A2.0
DATE: 1-14-21	
SCALE AS NOTED	



1 / A3.0 BUILDING SECTION

SCALE- 1/4" = 1'



2 / A3.0 BUILDING SECTION

SCALE- 1/4" = 1'

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
28773
LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

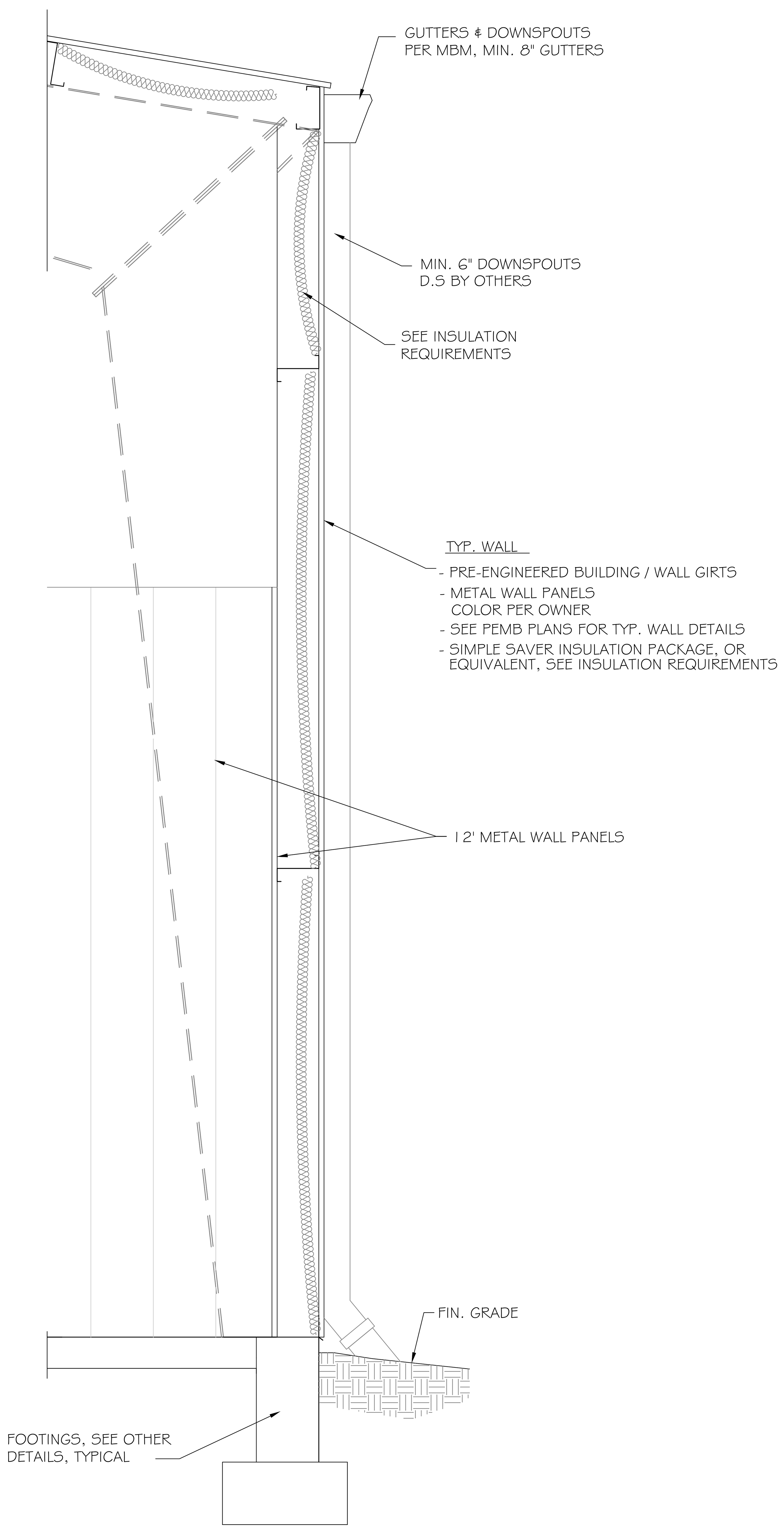
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

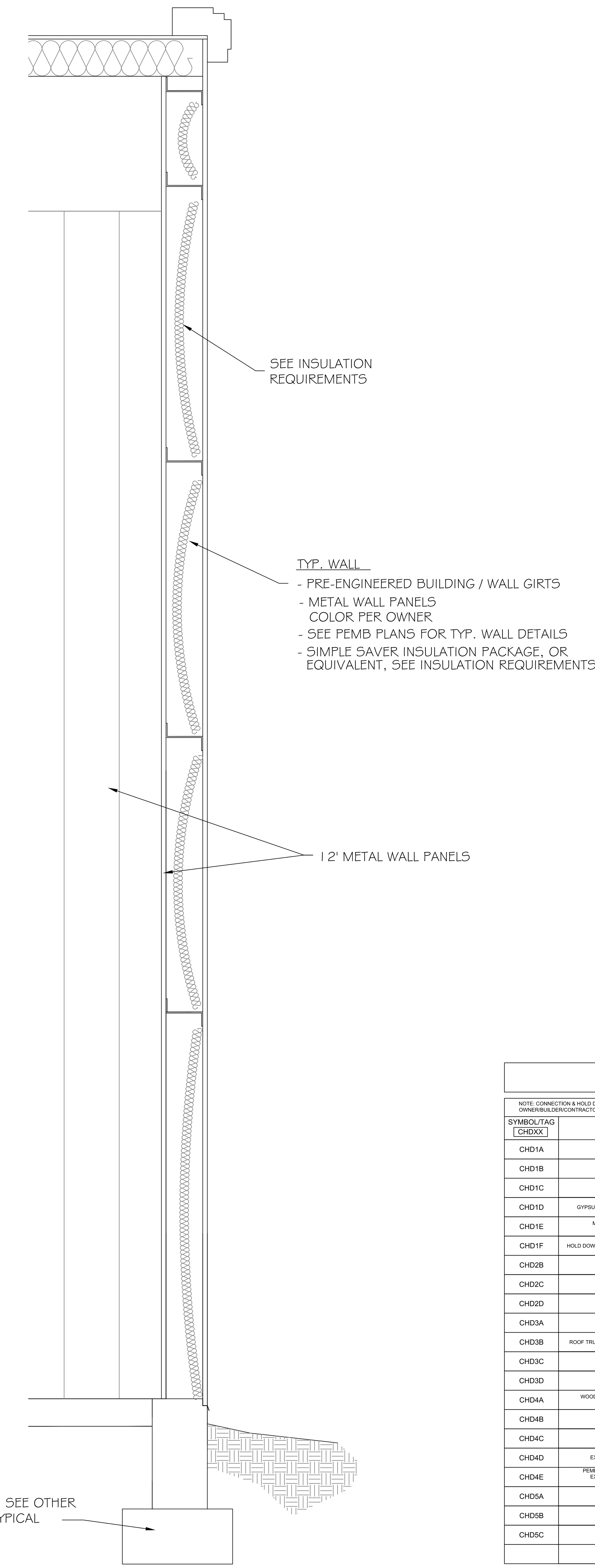
SHEET NAME

BUILDING SECTIONS

PROJECT NUMBER	SHEET
1519 B	A3.0
DATE: 1-14-21	
SCALE AS NOTED	



1
A3.1
ENLARGED WALL DETAIL
SCALE- 3/4" = 1'



2
A3.1
ENLARGED WALL DETAIL
SCALE- 3/4" = 1'

CONNECTION & HOLD DOWN SCHEDULE

NOTE: CONNECTION & HOLD DOWN SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME FEATURES AND CONNECTIONS WILL NOT BE USED IN THIS WORK.
OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE FEATURES FROM THIS SCHEDULE THAT ARE SPECIFICALLY IDENTIFIED WITH TAGS ON PLANS

SYMBOL/TAG CHDXX	SPECIFIC LOCATION/APPLICATION	CONNECTOR & INSTALLATION	ADDITIONAL INFORMATION
CHD1A	STUD WALL SILL PLATE/CHANNEL TO SLAB	0.25" TAPCON CONC SCREW W/ 1.25" CONC EMBEDMENT @ 48" OC & W/N 12" & @ CORNERS & DOORS	INSTALL PER MANUFACTURER'S SPECIFICATIONS
CHD1B	STUD WALL SILL PLATE TO THICKENED SLAB	1/2" THREADED ROD W/ 6" BENT LEG, MIN. 8" CONC EMBEDMENT, @ 48" OC & W/N 24" OF END OF WALL OR CORNER SIZE AND SPACING. ALLOW FOR MIN. OF 2.5" ABOVE FINAL FRAMING PLATE TO CONNECT WITH NUTS AND WASHERS	SILL PLATE TO BE PRESS. TREATED WOOD W/ CONTINUOUS KRAFT PAPER UNDERLAYMENT SEPARATOR FROM SLAB
CHD1C	METAL STUDS/JOISTS TO CHANNEL/TRACK	CONNECT & INSTALL PER MANUFACTURER'S SPECIFICATIONS	RETAIN DOCUMENTATION FOR CONNECTION METHODS FOR SPECIAL INSPECTION REVIEW
CHD1D	GYPSUM WALL FINISH TO LOAD BEARING OR SHEAR WALL METAL STUDS	NO. 8 X 5/8 WAFER HEAD SELF DRILLING SCREWS, 6" MAX SPACING @ EDGES & BLOCKING/BRIDGING, 12" MAX SPACING ELSEWHERE	----
CHD1E	METAL WALL PANEL FINISH TO METAL STUDS, NON-BEARING, NON-SHEAR WALLS (PARTITION ONLY WALLS)	#12 X 1.25" STEELBINDER MAXX S-D SCREWS @ 12" MAX SPACING	----
CHD1F	HOLD DOWN (WALL TO FOUNDATION) FOR METAL STUD FRAMED SHEAR WALLS	CLARKDIETRICH HOLD DOWN = CD8 INSTALLED PER MANUFACTURERS SPECIFICATIONS & DRAWINGS	----
CHD2B	STUD TO SILL PLATE CONNECTION	STRONG TIE H8 (OR EQUAL) INSTALLED PER MANUFACTURER'S SPECIFICATIONS @ EVERY 6TH STUD.	----
CHD2C	WOOD COLUMN W/N SHEAR WALL FRAMING	6x6 WOOD POST W/ STURDI-WALL SW66 CONNECTOR W/ PRE-CAST BOLTS OR POST-CAST BOLTS SET IN STRONG TIE 2 PART CONC EPOXY (CLEAR HOLES WITH COMPRESSED AIR BEFORE EPOXY INSTALL), INSTALLED PER MANUFACTURER'S SPECS, LOCATED IN EACH EXTERIOR WALL LOCATION AS SHOWN ON PLANS	REVIEW ALL MANUFACTURER INSTALLATION REQUIREMENTS THOROUGHLY PRIOR TO INSTALL
CHD2D	CORNER SHEAR WALL FRAMING	DOUBLE STUD (BOTH DIRECTIONS) W/ STRONG TIE HTT5 HOLD DOWN IN EACH DIRECTION OF WALL CORNER INSTALLED PER MANUFACTURER'S SPECS, LOCATED IN EACH EXTERIOR WALL LOCATION AS SHOWN ON PLANS	----
CHD3A	ROOF TRUSS TO BEARING WALL CONNECTION	SEE TRUSS MANUFACTURER FOR RECOMMENDED HOLD DOWN AND SHEAR RESISTANT CONNECTIONS, RATED FOR LOCAL WIND AND SEISMIC LOADS FOR REGION AND TRUSS SPACING. MIN. STRONG TIE H10A HOLD DOWNS @ EVERY TRUSS OR EQUAL, IF NOT PROVIDED	----
CHD3B	ROOF TRUSS TO BEARING WALL CONNECTION THRU EXISTING TRUSS SYSTEM	STRONG TIE FSC (OR EQUAL) INSTALLED PER MANUFACTURER'S SPECIFICATIONS @ EVERY OTHER STUD/TRUSS.	----
CHD3C	RAFTER TO BEARING WALL CONNECTION	STRONG TIE H10A HOLD DOWNS @ EVERY THIRD TRUSS AND STRONG TIE H2A HOLD DOWN @ ALL OTHERS, OR EQUIVALENT	----
CHD3D	FLOOR TRUSS TO BEARING WALL CONNECTION	STRONG TIE H4 HOLD DOWNS, OR EQUIVALENT	----
CHD4A	WOOD COLUMN (INTERIOR OR EXTERIOR) AND WOOD STUD COLUMN CONNECTION TO BEAM	STRONG TIE COLUMN CAPS AS APPROVED FOR THE CORRECT BEAM TO COLUMN COMBINATION	----
CHD4B	ROOF SHEATHING NAILING PATTERNS	WOOD PANEL SHEATHING TO BE MIN. 5/8" STRUCTURAL I GRADE WOOD PANEL, FASTENED WITH 10D NAILS (MIN. 1.5" PENETRATION). NAIL SPACING TO BE MAX. 2" ALONG PANEL EDGES, PROVIDE BLOCKING @ ALL DIAPHRAGM EDGES & MAX. 3" @ ALL OTHER POINTS OF CONTACT WITH WALL STRUCTURE. PANELS ARE TO BE STAGGERED SO THAT JOINTS ARE NOT CONTINUOUSLY PARALLEL W/ LOAD. BOTH SIDES.	----
CHD4C	STL COLUMN TO WOOD LVL BEAM OR HEADER	STRONG TIE CCO COLUMN CAP WELDED TO STL COLUMN, SELECT CCO SIZE BASED ON WOOD BEAM WIDTH, SEE MANUFACTURER FOR ALL INSTALLATION INSTRUCTIONS	----
CHD4D	(MULTI-FLOOR WOOD FRAMED BUILDING) EXTERIOR STUD TO STUD CONNECTION THRU FLOOR SYSTEM (A.K.A. FLOOR-TO-FLOOR TIE INSTALLATION)	STRONG TIE LSTA36 STRAP, CONNECTED TO VERTICALLY ALIGNED STUDS AND FLOOR SYSTEM RIM JOIST W/ (24) 10d NAILS. ONE STRAP PER EVERY 5TH STUD AND @ EACH SIDE OF CORNERS	----
CHD4E	PEMB BUILDING WITH MULTI-FLOOR WOOD FRAMED FLOOR SYSTEM EXTERIOR STUD TO STUD CONNECTION THRU FLOOR SYSTEM (A.K.A. FLOOR-TO-FLOOR TIE INSTALLATION)	STRONG TIE LTT19 W/ 1/2 THREADED ROD, CONNECTED TO VERTICALLY ALIGNED STUDS W/ (8) 10d NAILS PER STUD . INSTALL PER EVERY 4TH STUD AND @ EACH SIDE OF CORNERS	----
CHD5A	METAL JOISTS TO STEEL DECK	#12 TEK SCREWS @ 10" MAX SPACING, 2 SIDE LAP SCREWS PER SPAN	INSTALL PER DECK MANUFACTURER'S INSTALLATION SPACING & PATTERN REQUIREMENTS
CHD5B	METAL BUILDING GIRTS TO ADJACENT WOOD STUDS	STRONG TIE H2.5 @ EVERY OTHER STUD OR EQUIVALENT. CONNECT TO METAL GIRT WITH STANDARD NO. 10 METAL TO METAL SELF TAPPING SCREWS COMMONLY USED WITH PEMB METAL ROOF OR WALL PANEL CONNECTIONS	----
CHD5C	METAL BUILDING GIRTS TO ADJACENT METAL STUDS	STRONG TIE H2.5 @ EVERY OTHER STUD OR EQUIVALENT. CONNECT TO METAL GIRT WITH STANDARD NO. 10 METAL TO METAL SELF TAPPING SCREWS COMMONLY USED WITH PEMB METAL ROOF OR WALL PANEL CONNECTIONS	----
	OTHER CONNECTIONS	SEE DRAWINGS & SCHEDULES FOR OTHER CONNECTIONS. SEE SHEAR WALL SCHEDULE FOR WALL SHEATHING REQUIREMENTS	----

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC
N.
WOOLDRIDGE
25773
LICENSED
PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

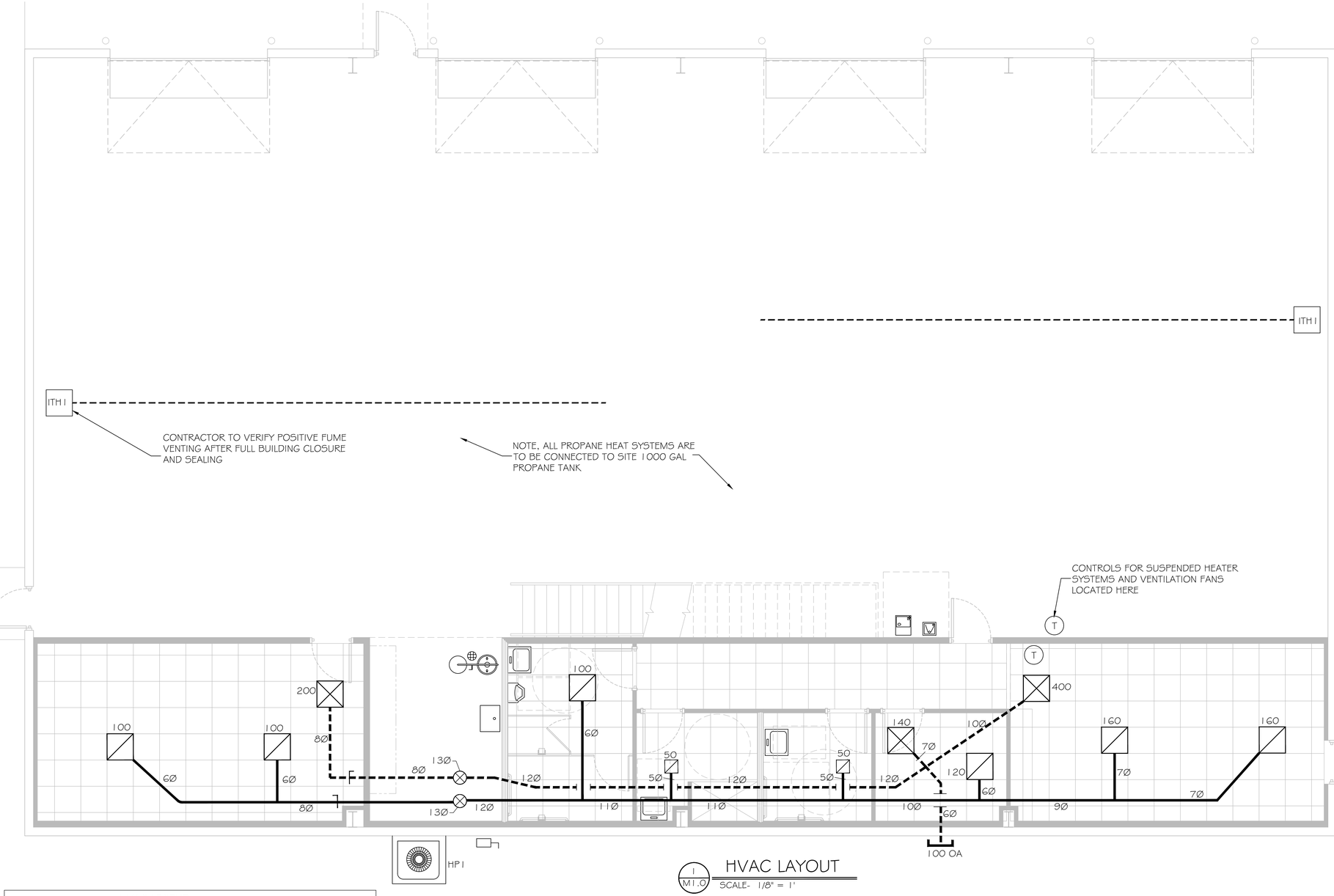
Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE

SHEET NAME
WALL DETAILS

PROJECT NUMBER 1519
DATE: 1-14-21
SCALE AS NOTED
SHEET A3.1



HVAC LAYOUT

1 / M1.0 SCALE- 1/8" = 1'

HVAC LEGEND		
CFM	- MAIN SUPPLY VENT/DIFFUSER W/ CFM SHOWN	SUPPLY DUCT
CFM	- MAIN FLOOR OR CEILING RETURN VENT W/ CFM SHOWN	RETURN DUCT
AH?	- AIR HANDLER	
HP?	- HEAT PUMP/EXTERIOR UNIT	
	- FIRE DAMPER OR BACKDRAFT DAMPER	
T	-THERMOSTAT	
CO	-CARBON MONOXIDE SENSOR	

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE 28775 LICENSED PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

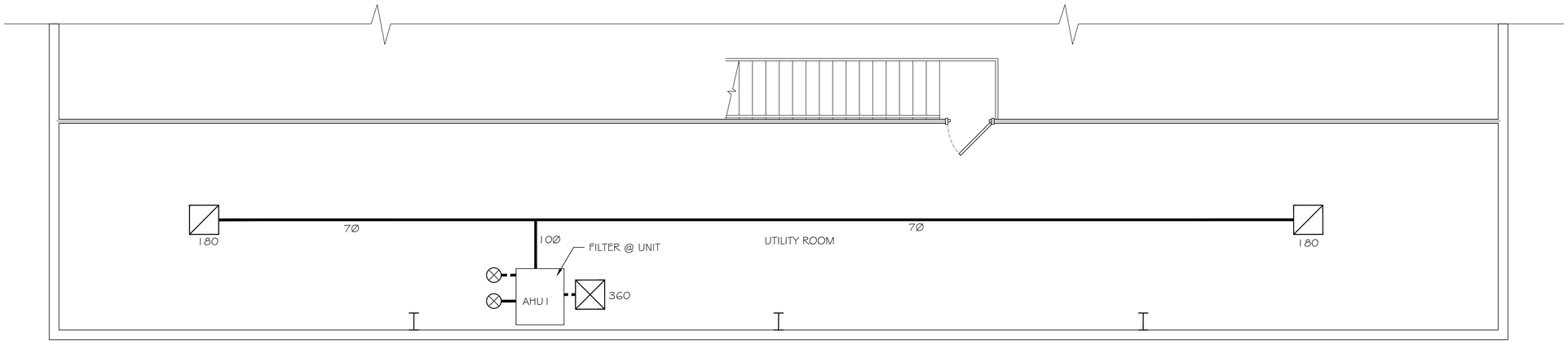
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

SHOP HVAC LAYOUT

PROJECT NUMBER	SHEET
1519B	M1.0
DATE: 1-14-21	
SCALE AS NOTED	



1 M1.1 HVAC LAYOUT
SCALE- 1/4" = 1'

HVAC LEGEND		
CFM	- MAIN SUPPLY VENT/DIFFUSER W/ CFM SHOWN	SUPPLY DUCT
CFM	- MAIN FLOOR OR CEILING RETURN VENT W/ CFM SHOWN	RETURN DUCT
AH?	- AIR HANDLER	
HP?	- HEAT PUMP/EXTERIOR UNIT	
	- FIRE DAMPER OR BACKDRAFT DAMPER	
T	-THERMOSTAT	
CO	-CARBON MONOXIDE SENSOR	

MECHANICAL SYSTEM DESIGN NOTES

1. UNLESS OTHERWISE SPECIFIED, DUCT SIZES ARE PROVIDED IN DIAMETER VALUE FOR CONTRACTOR CONVENIENCE, EQUIVALENT RECTANGULAR DUCT MAY BE SUBSTITUTED. SIMILARLY, ALTERNATIVE BUT APPROXIMATE DUCT DIAMETERS MAY BE USED WHERE HARDWARE IS UNAVAILABLE AT THE PROVIDED VALUES
2. PROVIDED DESIGN IS BASED ON SPECIFIED BUILDING INSULATION, LIGHTING, EQUIPMENT, ETC., ENERGY PERFORMANCES BEING MET AS NOTED IN OTHER DETAILS. DO NOT IMPLEMENT PROVIDED MECHANICAL DESIGN IF SUCH REQUIREMENTS ARE NOT MET, OR ALTERNATIVELY MET IN RELATION TO THESE PLANS.
3. ALL THERMOSTAT CONTROLS (EXCLUDING ANY MINI-SPLIT SYSTEMS) ARE TO INCLUDE AN OPTION FOR SINGLE STAGE COMPRESSOR ONLY OVERRIDE CONTROL IN COOLING MODE. COORDINATE W/ OWNER REGARDING CONTROL OPERATION
4. WHERE ERV UNITS ARE PROVIDED FOR TOILET ROOM EXHAUST, UNLESS OTHERWISE NOTED, UNITS ARE TO BE ENERGIZED BY ADJACENT HALLWAY LIGHTS AND NOT SWITCH ACTIVATED. VERIFY OPERATION AND CORRECT BACKDRAFT DAMPER INSTALLATION PRIOR TO COVERING AND FINISHING
5. MECHANICAL DESIGN IS BASED ON THE CONDITION THAT ALL WINDOWS FOR PRIVATE OFFICES MUST INCLUDE SUN SHADES OR BLINDS WITHIN THE FURNISHINGS
6. CONTRACTOR IS TO FULLY TRAIN OWNER IN PROPER OPERATION OF ALL HVAC SYSTEMS AND CONTROLS AND PROVIDE A MANUAL FOR THE OWNER'S USE.
7. WHERE ANY SYSTEM TRUNK LINE PENETRATES AN ATTIC DRAFT STOP, RETURN AIR TRUNK SHALL HAVE A SMOKE DETECTORS POWERED BY THE PERMANENT FACILITY ELECTRICAL SERVICE, AND SHALL BE INSTALLED UPSTREAM OF THE DRAFT STOP PENETRATION. SUCH DETECTORS SHALL BE CAPABLE OF SHUTTING DOWN THE AIR DISTRIBUTION SYSTEM UPON DETECTION OF SMOKE, SOUND AN ALARM, AND FLASH AN INDICATOR LIGHT THAT IS VISIBLY LOCATED ON THE CEILING SO THAT IT CAN BE SEEN ON THE MAIN FLOOR IN THE VICINITY OF THE DRAFT STOP PENETRATION

MECHANICAL - AHU SPECIALTY CONFIGURATION

1. AHU IS TO BE CONFIGURED VIA DIP SWITCHES FOR THE RAMPING PROFILE TO RESULT IN THE LONGEST RESULTING COOLING PROFILE AVAILABLE. TYPICALLY 50% - 80% - 100% - 50% OR SIMILAR
2. AHU IS TO BE SET TO LOWEST CIRCULATION VALUE POSSIBLE, BUT NO LOWER THAN 20% WHEN IN FAN "ON" MODE OR "CIRCULATION" MODE

HIGH VOLUME EXHAUST SYSTEM NOTES

1. HIGH VOLUME EXHAUST FAN(S) IS TO BE LINKED TO CARBON MONOXIDE (CO) MONITOR. MONITOR IS TO ENERGIZE EXHAUST FAN WHEN HAZARDOUS CO LEVELS ARE DETECTED. CO MONITOR IS ALSO TO SOUND AND ALARM WHEN SUCH LEVELS ARE REACHED. EXHAUST FAN IS ALSO TO HAVE A SEPARATE WALL MOUNTED SWITCH ACTIVATION CONTROL, LOCATED PER OWNER. CO ALARM AND CONTROLLING SYSTEM IS NOT TO HAVE A BYPASS MANUAL SHUT OFF.
2. THERE ARE TO BE 3, CO MONITORS EVENLY SPACED THROUGHOUT THE MAINTENANCE BAY AREA AND ARE TO ALL BE LINKED SUCH THAT ANY SINGLE MONITOR CAN ENERGIZE THE NEW EXHAUST FAN AND ALARM.
3. CENTER OF HIGH VOLUME FANS ARE TO BE LOCATED AT 80" AFF
4. CENTER OF INTAKE/RELIEF LOUVERS ARE TO BE LOCATED AT 120" AFF
5. EXISTING HIGH VOLUME EXHAUST FANS ARE TO REMAIN AS-IS.
6. WALL MOUNTED INTAKE/RELIEF LOUVERS ARE TO BE MOTORIZED AND NORMALLY CLOSED. LOUVERS ARE TO OPEN WHENEVER MAIN AREA EXHAUST FANS ARE ENERGIZED MANUALLY OR BY SENSORS.

AIR BALANCE SCHEDULE

SYMBOL OR AREA	CFM				
	EXHAUST AIR	OUTSIDE AIR	RETURN AIR	SUPPLY AIR	RESULTANT CFM
RELIEF VENTS	---	4000	---	---	+4000
EXHAUST FANS	4000	---	---	---	-4000
RETURN DUCT	---	100	---	---	+100
MAIN ERVS/HRVS	250	300	---	---	+50
BUILDING TOTAL					+150

MECHANICAL DATA - BLDG B: OFFICE AREA

PER MECHANICAL CODE 2015 TABLE 403.3

FACILITY OCCUPANCY TYPE:	WAREHOUSE
NUMBER OF ACTUAL OCCUPANTS:	15
REQUIRED OUTSIDE AIR PER CLIENT	
PER IMC TABLE 403.3:	0.06 CFM/SF
PER IMC TABLE 403.3:	5 CFM/PERSON
MIN. OUTSIDE AIR REQUIRED (IMC 403.3):	APPROX: 165 CFM
ERV SYSTEMS USED? (Y/N):	Y
DEMAND VENTILATION CONTROL FOR O.A.? (Y/N):	N
AIR ECONOMIZER USED? (Y/N):	N - NOT PACKAGE UNIT
T. ROOM EXHAUST USED W/ ERV? (Y/N):	Y
BUILDING LEAKAGE CONSIDERED? (Y/N):	N
BUILDING LEAKAGE ESTIMATED:	NA
PRESSURE RELEASE VENTS USED:(Y/N)?	N
EXHAUST REQUIREMENTS:	
PRIVATE TOILET ROOM:	NA
PUBLIC TOILET ROOM (IMC SUBSCRIPT e):	70 CFM PER TOILET/URINAL (INT) 50 CFM PER TOILET (CONT.) 20 CFM PER SHOWER (CONT.)
TOTAL EXHAUST REQUIREMENTS:	220 CFM
TOTAL OUTSIDE AIR MINIMUM	
WITH WITH ERV SYSTEM:	300 CFM
WITH PRIMARY UNIT(S):	100 CFM

MECHANICAL EQUIPMENT SCHEDULE

NOTE: MECHANICAL EQUIPMENT SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME EQUIPMENT LISTED WILL NOT BE USED IN THIS WORK.
OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE EQUIPMENT FROM THIS SCHEDULE THAT IS SPECIFICALLY IDENTIFIED WITH TAGS/SYMBOLS ON PLANS

SYMBOL	EQUIPMEMT	CAPACITIES	CFM	MN/MX AMPS	PHASE-VOLTS	ADDITIONAL NOTES	HEAT KIT
			---	---	---	---	---
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---
HP1	HI EFFICIENCY DUAL FUEL HEAT PUMP SYSTEM	3 TON	---	BY OTHERS	1/208-240/60	2 STAGE HP, OWNER TO SPECIFY, 18 SEER, INCLUDE PROGRAMMING FOR RH CONTROL	---
AHU1	AIR HANDLER TO MATCH WITH HP1	---	1200 +/-	BY OTHERS	1/208-240/60	2 STAGE DUAL FUEL, PROPANE BACKUP HEAT	---
HVF1	THRU WALL EXHAUST FAN W/ MOTORIZED SHUTTERS	---	2000	SEE MANUFCTR	1/***/60	---	---
HVRV1	THRU WALL RELIEF VENT W/ MOTORIZED SHUTTERS - 16X20	---	---	SEE MANUFCTR	1/***/60	---	---
ERV4	ENERGY RECOVERY VENTILATION UNIT	---	300	SEE MANUFCTR	1/***/60	MIN. EFFICIENCY RATING OF 70%	---
ITH1	INFRARED, PROPANE, STRAIGHT TUBE HEATER/FURNACE	60 KBTU	VARIES	1/10	1/120/60	MUST BE 2 STAGE, SUSPEND AND INSTALL PER MANUFACTURER'S SPECIFICATIONS	---

General Notes

PLEASE NOTE:

STATE OF KENTUCKY * ERIC N. WOOLDRIDGE * 25773 LICENSED PROFESSIONAL ENGINEER *

1-14-21

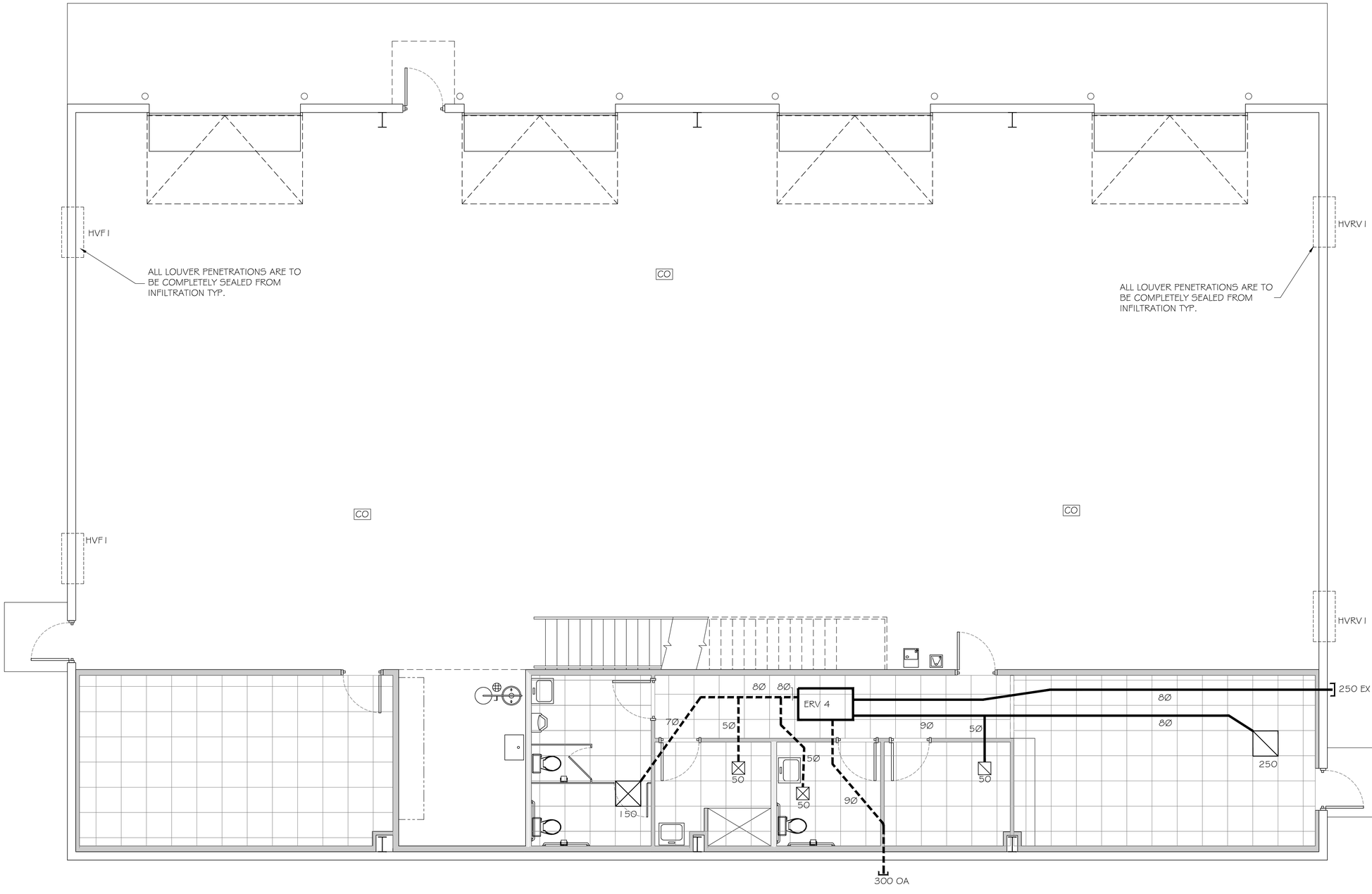
No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for
Architectural • Mechanical
Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE

SHEET NAME
UTILITY ROOM HVAC LAYOUT

PROJECT NUMBER 1519 B
DATE: 1-14-21
SCALE AS NOTED
SHEET M1.1



1 M1.2 VENTILATION LAYOUT
SCALE- 1/4" = 1'

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25773
LICENSED
PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

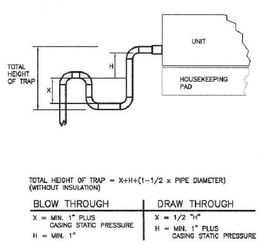
Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE

SHEET NAME
VENTILATION LAYOUT

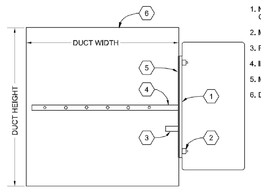
PROJECT NUMBER	SHEET
1519 B	M1.2
DATE: 1-14-21	
SCALE AS NOTED	



TOTAL HEIGHT OF TRAP = X+H+(1-1/2 x PIPE DIAMETER)
(WITHOUT INSULATION)

BLOW THROUGH	DRAW THROUGH
X = MIN. 1" PLUS CASING STATIC PRESSURE	X = 1/2 "H"
H = MIN. 1"	H = MIN. 1" PLUS CASING STATIC PRESSURE

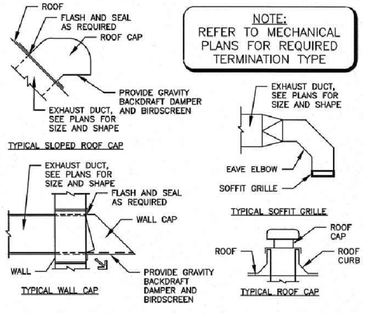
1 M1.3 COIL DRAIN PIPING
SCALE- N/A



1. NEOPRENE GASKET
2. MOUNTING NUTS
3. RETURN TUBE
4. INTAKE TUBE
5. MOUNTING PLATE
6. DUCT

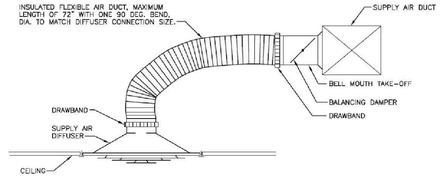
NOTES:
A. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
B. PROVIDE ACCESS DOOR AT SAMPLING TUBES.

2 M1.3 SMOKE DETECTOR MOUNTING
SCALE- N/A

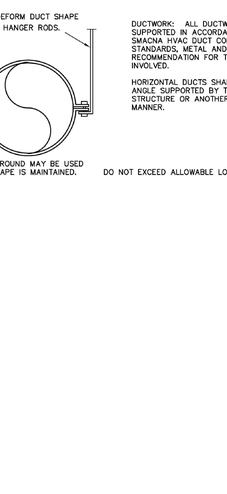


NOTE:
REFER TO MECHANICAL PLANS FOR REQUIRED TERMINATION TYPE

3 M1.3 EXHAUST FAN TERMINATION
SCALE- N/A



4 M1.3 FLEXIBLE DUCT CONNECT
SCALE- N/A



5 M1.3 AHU FLANGED CONNECTION
SCALE- N/A

1. 2" ANGLE CLOSURE COLLAR SAME MATERIAL AS DUCT
2. CAULK WITH WATERPROOF SILICONE RUBBER SEALANT, TYP
3. PACK OPENING AROUND DUCT WITH FIRE SAFEING
4. SHEET METAL DUCT
5. 1" MAX CLEARANCE
6. WALL

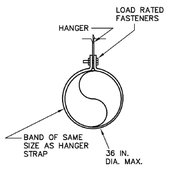
6 M1.3 DUCT WALL PENETRATION
SCALE- N/A

1. ATTACH TO STRUCTURE WITH BEAM CLAMPS OR MASONRY EXPANSION BOLTS
2. NUT WITH LOCK WASHER
3. LENGTH EQUALS DIAMETER OF DUCT
4. STAINLESS STEEL SHEET METAL SADDLE
5. ATTACH TO STRUCTURE PER SMACNA RECOMMENDATIONS AND TO COMPLY WITH SEISMIC REQUIREMENTS.
6. 1" MIN BAND CLAMP
7. KINDORF HANGER WITH ALL THREAD ROD IN TRAPEZE CONFIGURATION
8. ALL-THREAD ROD

GENERAL NOTES
A. DO NOT USE POWDER POWERED FASTENING SYSTEMS TO ATTACH SUPPORTS TO STRUCTURE.
B. SUPPORT SYSTEM MUST NOT DAMAGE DUCT, INSULATION, OR CAUSE DUCT SHAPE DEFORMATION.
C. HANGER SIZES SHALL BE IN ACCORDANCE WITH SMACNA, LATEST EDITION.
D. PROVIDE WALL MOUNTED DUCT SUPPORT FOR ROUND AND RECTANGULAR PER SMACNA FIGURE 13-11A & SADDLE PER FIGURE 13-6.

7 M1.3 DUCTWORK SUPPORT
SCALE- N/A

8 M1.3 IN LINE FAN MOUNTING
SCALE- N/A



MINIMUM HANGER SIZE FOR ROUND DUCT				
DIA.	MAX. SPACING	WIRE DIA.	ROD	STRAP
10" DN.	12'	ONE 12 GA.	1/4"	1"x22 GA.
11"-18"	12'	TWO 12 GA. OR 1 8 GA.	1/4"	1"x22 GA.
19"-24"	12'	TWO 10 GA.	1/4"	1"x22 GA.
25"-36"	12'	TWO 8 GA.	3/8"	1"x20 GA.

NOTES:
1. SUPPORTS ARE GALVANIZED STEEL.
2. TABLE ALLOWS FOR CONVENTIONAL WALL THICKNESS, & JOINT SYSTEMS PLUS ONE LB/SF OF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS.

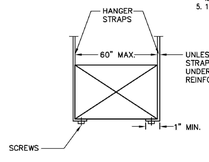
DUCTWORK: ALL DUCTWORK SHALL BE SUPPORTED IN ACCORDANCE WITH THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE RECOMMENDATION FOR THE SERVICE INVOLVED.

HORIZONTAL DUCTS SHALL BE SECURED TO ANGLE SUPPORTED BY THE BUILDING STRUCTURE OR ANOTHER APPROVED MANNER.

DO NOT EXCEED ALLOWABLE LOAD LIMITS.

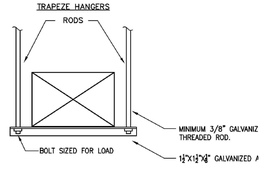
MINIMUM HANGER SIZE FOR RECTANGULAR DUCT				
MAXIMUM HALF OF DUCT PERIMETER	PAIR @ 10 FT. SPACING		PAIR @ 8 FT. SPACING	
	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD
P/2 = 30"	1"x22 GA.	10 GA. (.135")	1"x22 GA.	10 GA. (.135")
P/2 = 72"	1"x18 GA.	3/8"	1"x20 GA.	1/4"

NOTES:
1. DIMENSIONS OTHER THAN GUAGE ARE IN INCHES.
2. TABLES ALLOW FOR DUCT WEIGHT, 1 LB./ SF INSULATION WEIGHT & NORMAL REINFORCEMENT & TRAPEZE WEIGHT, BUT NO EXTERNAL LOADS.
3. STRAPS ARE GALVANIZED STEEL.
4. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 16 GA. MAXIMUM, EXCEPT THAT WHEN MAXIMUM DUCT DIMENSION (W) IS OVER 60" THEN P/2 MAXIMUM IS 1.25 W.
5. 12, 10 OR 8 GA. WIRE IS GALVANIZED STEEL.



DUCTWORK: ALL DUCTWORK SHALL BE SUPPORTED IN ACCORDANCE WITH THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE RECOMMENDATION FOR THE SERVICE INVOLVED.

HORIZONTAL DUCTS SHALL BE SECURED TO ANGLE SUPPORTED BY THE BUILDING STRUCTURE OR ANOTHER APPROVED MANNER.



9 M1.3 DUCT HANGING DETAILS
SCALE- N/A

General Notes

PLEASE NOTE:

1-14-21

	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

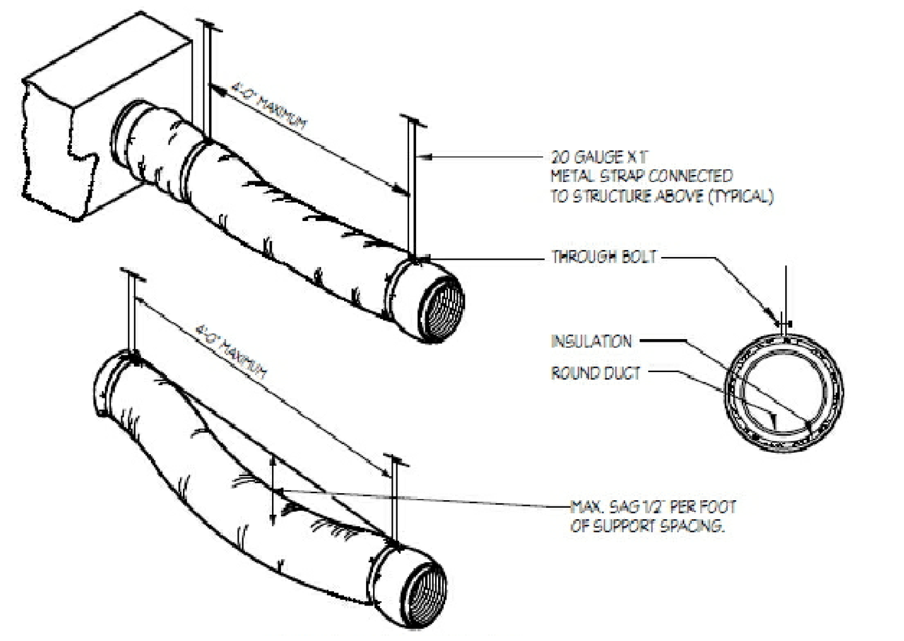
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

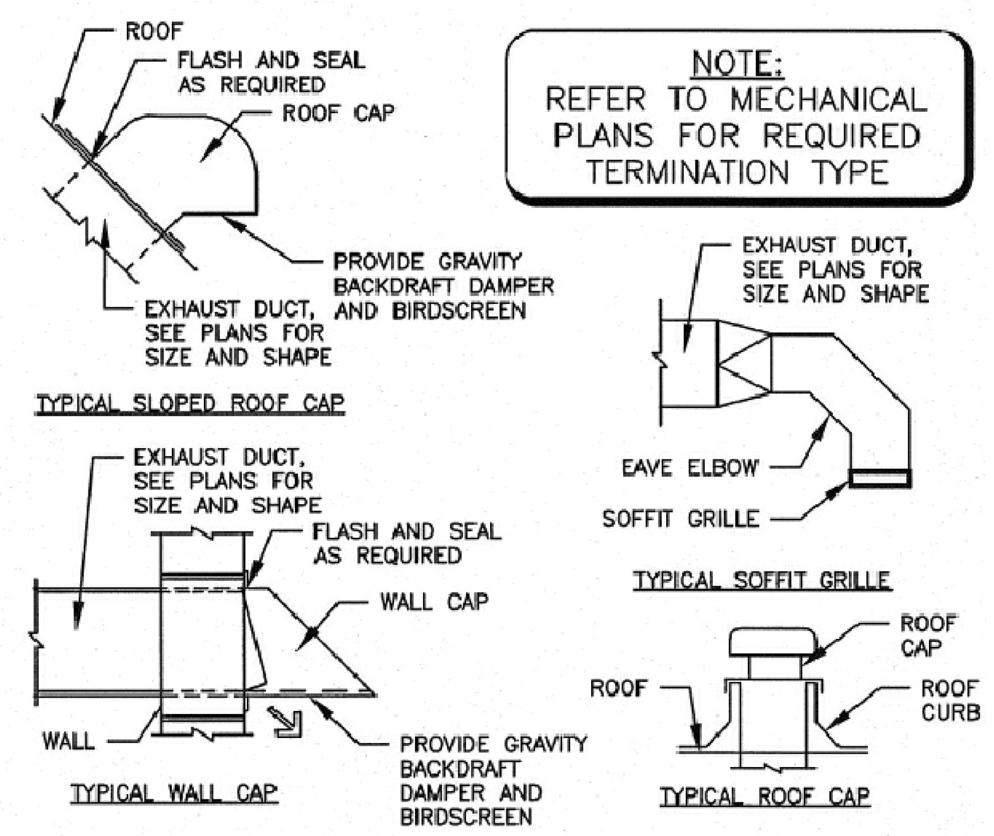
SHEET NAME

HVAC DETAILS

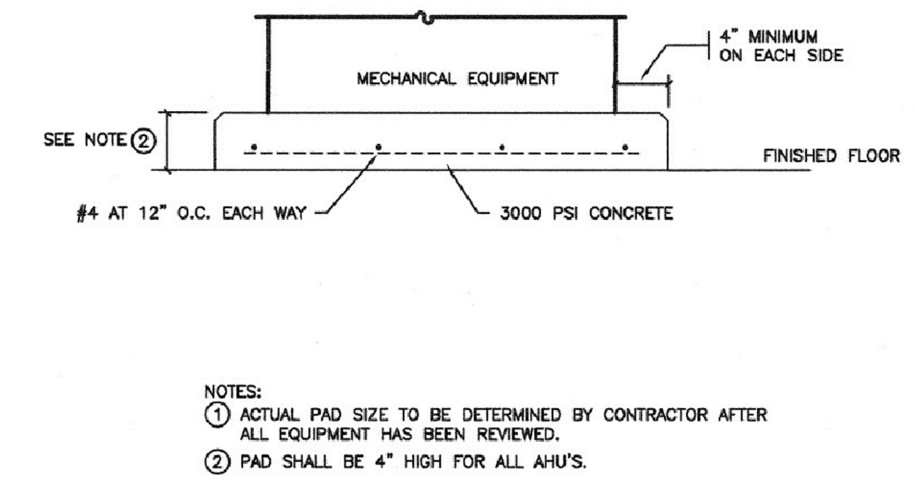
PROJECT NUMBER	SHEET
1519	M1.3
DATE: 1-14-21	
SCALE AS NOTED	



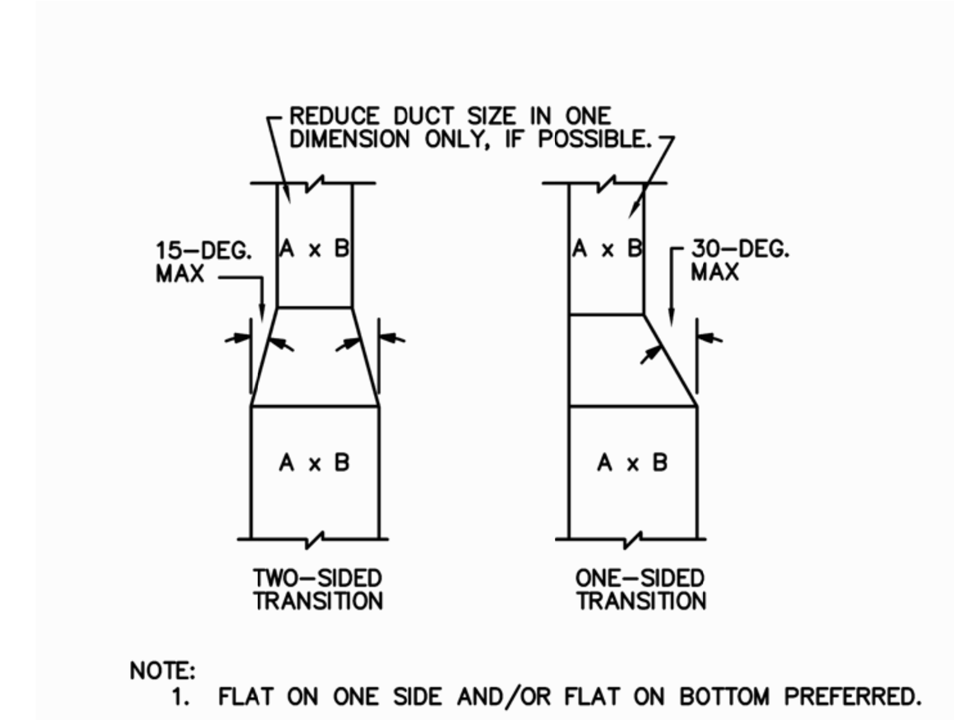
1 M1.4 FLEXIBLE DUCT HANGER DETAIL
SCALE- N/A



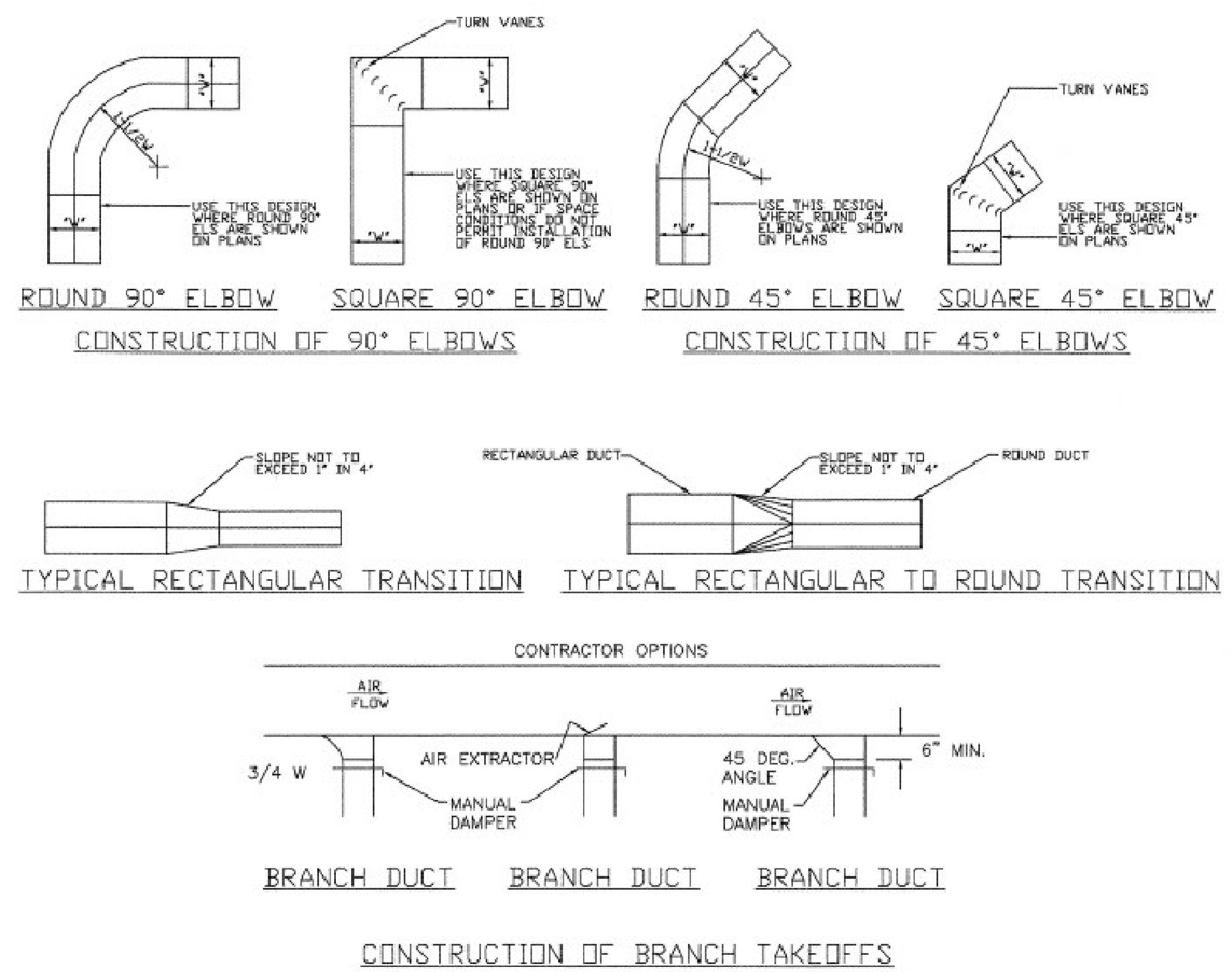
2 M1.4 EXHAUST FAN TERMINATION
SCALE- N/A



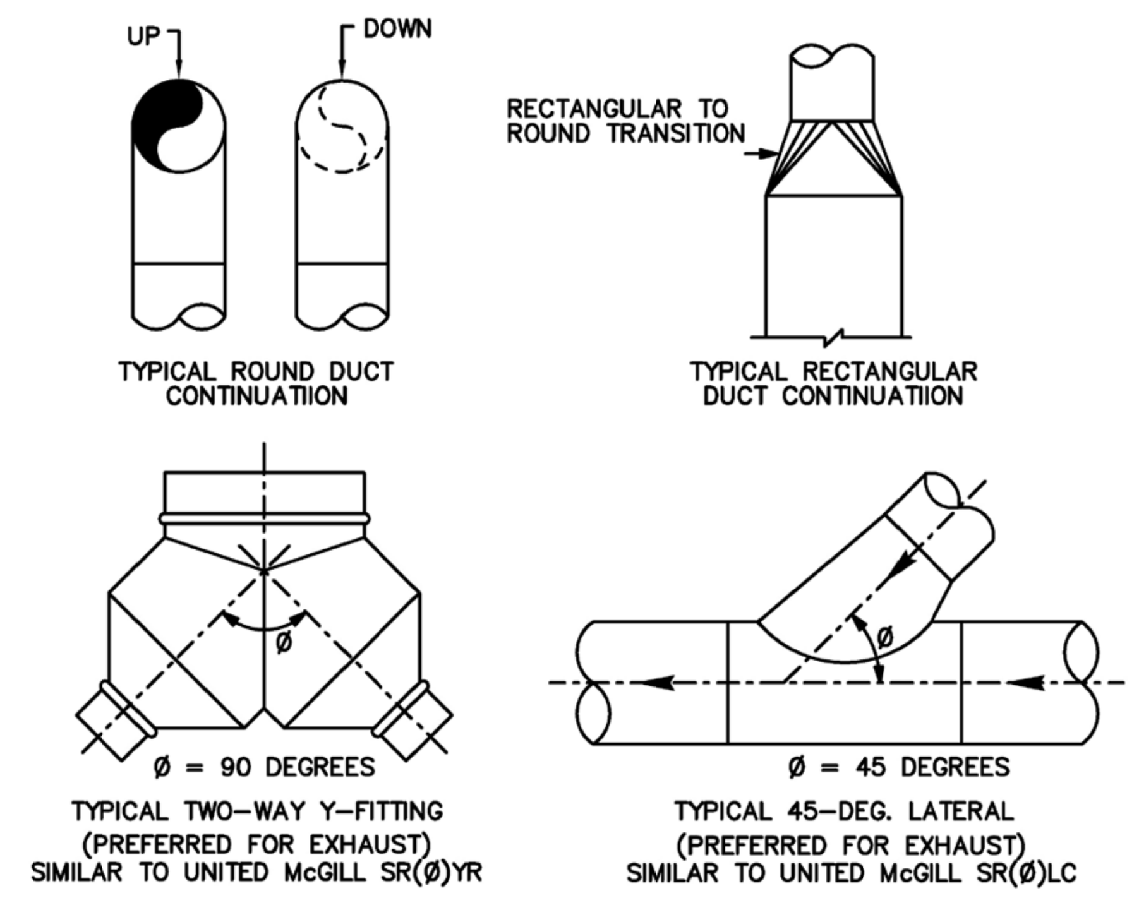
3 M1.4 MECH. EQUIPMENT CONC. PAD
SCALE- N/A



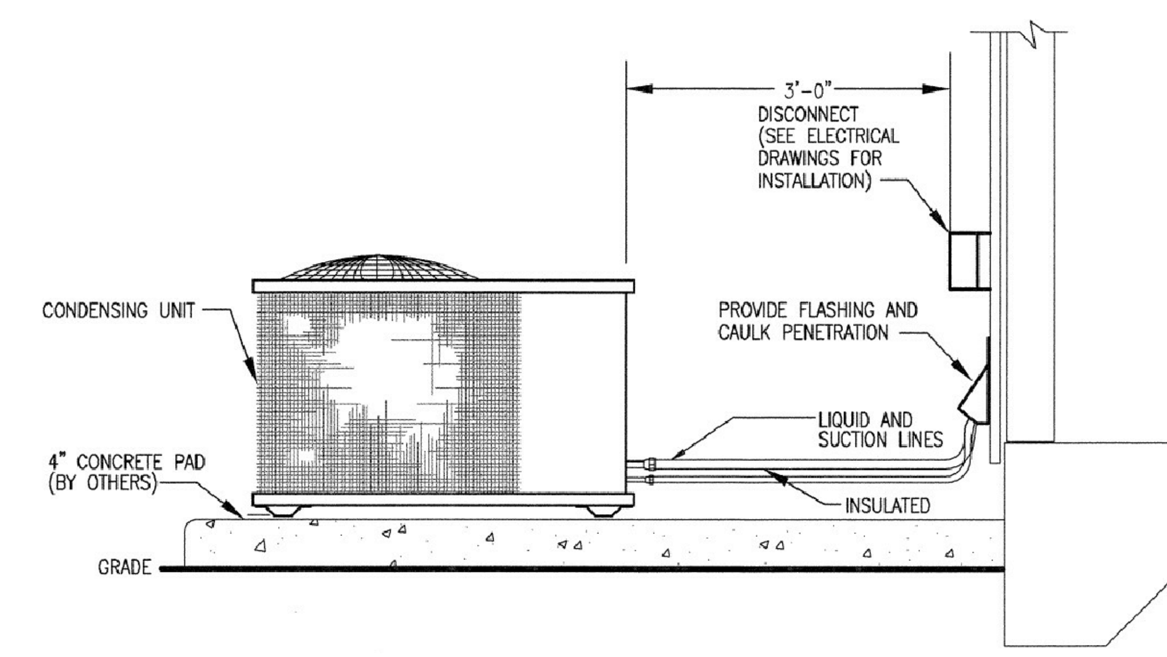
4 M1.4 DUCT TRANSITION DETAIL
SCALE- N/A



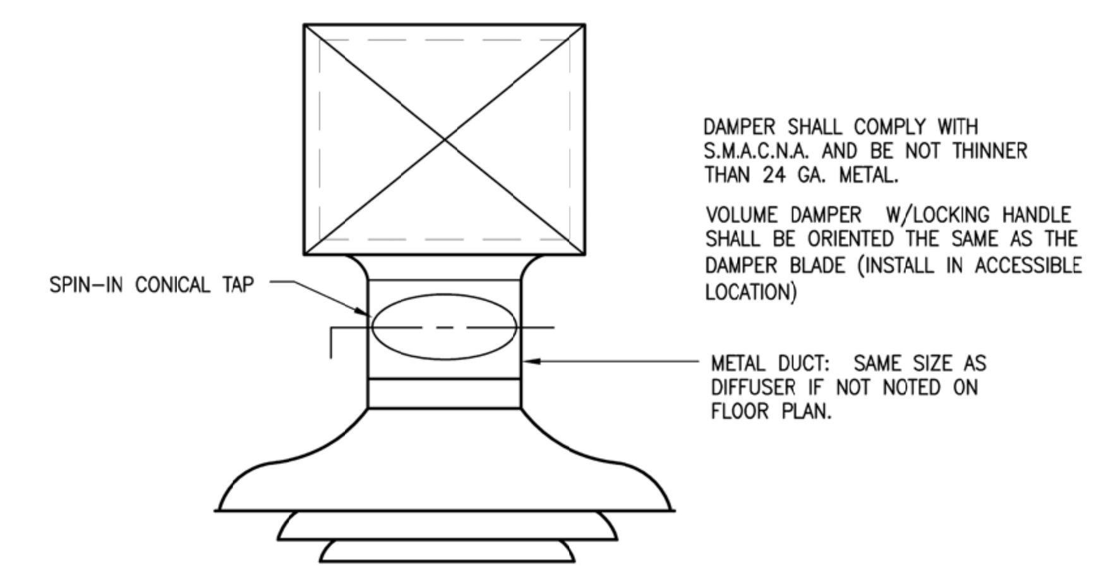
5 M1.4 LOW VELOCITY DUCT DETAIL
SCALE- N/A



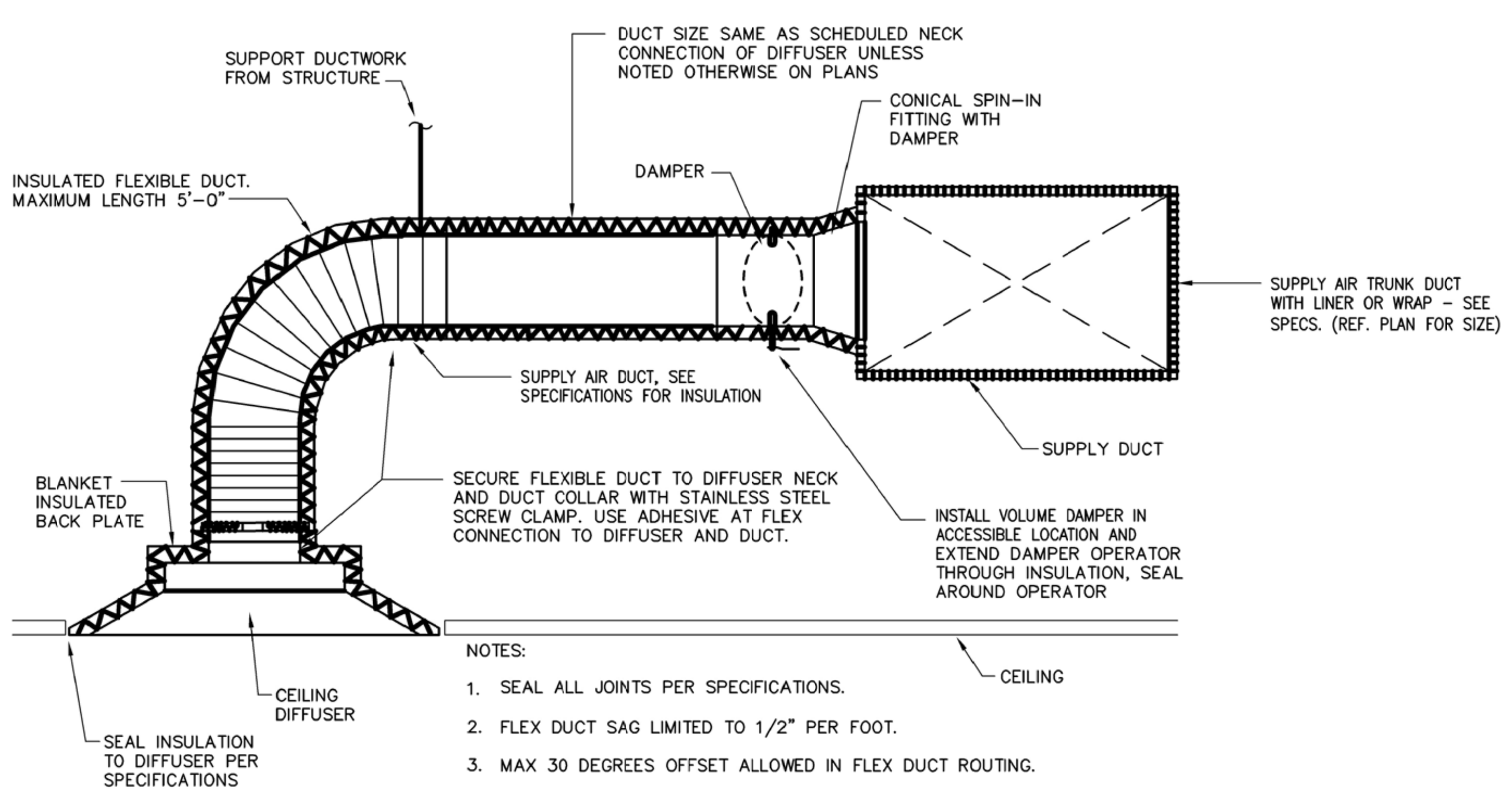
6 M1.4 ROUND DUCT DETAILS
SCALE- N/A



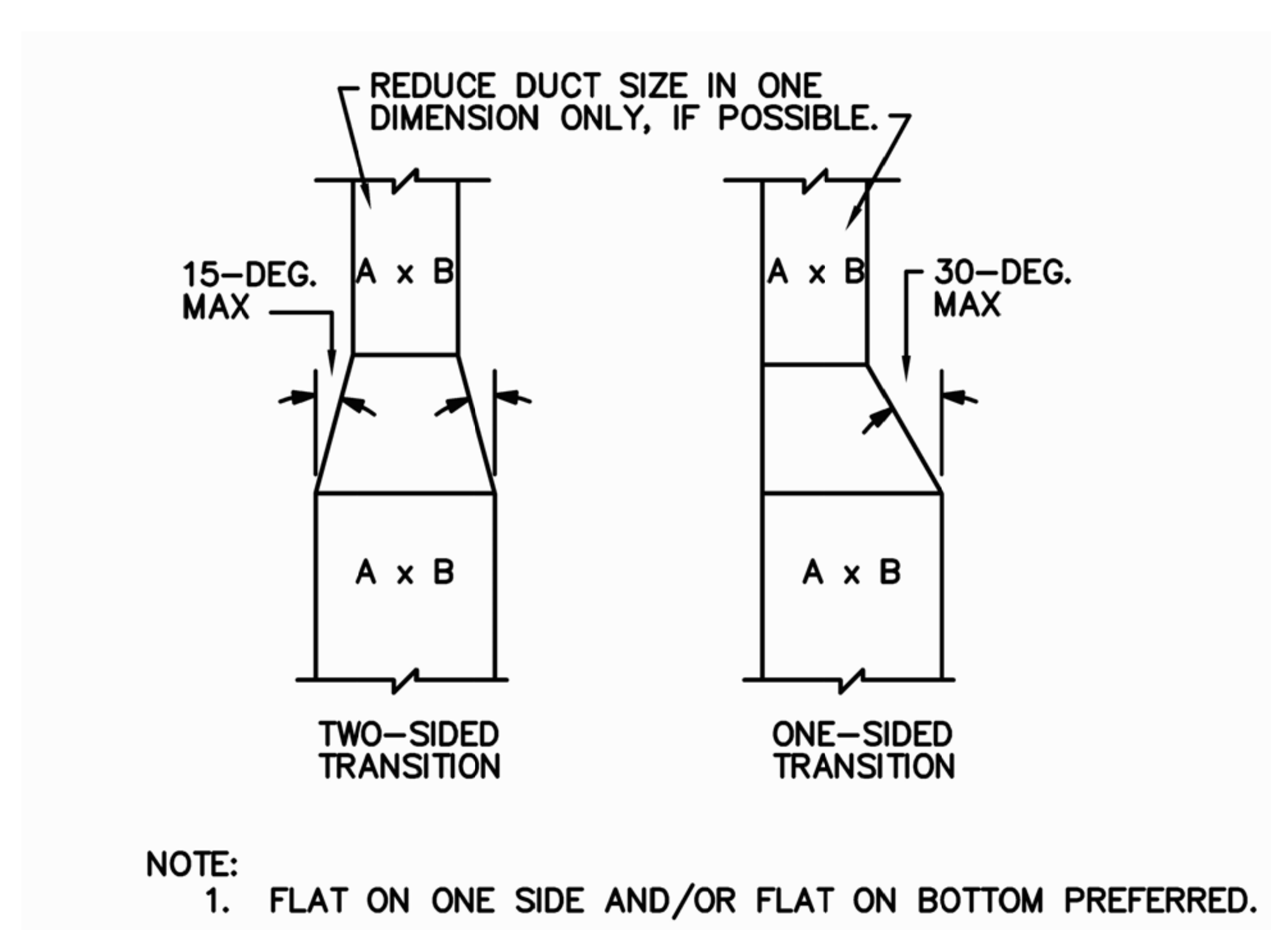
7 M1.4 CONDENSING UNIT DETAIL
SCALE- N/A



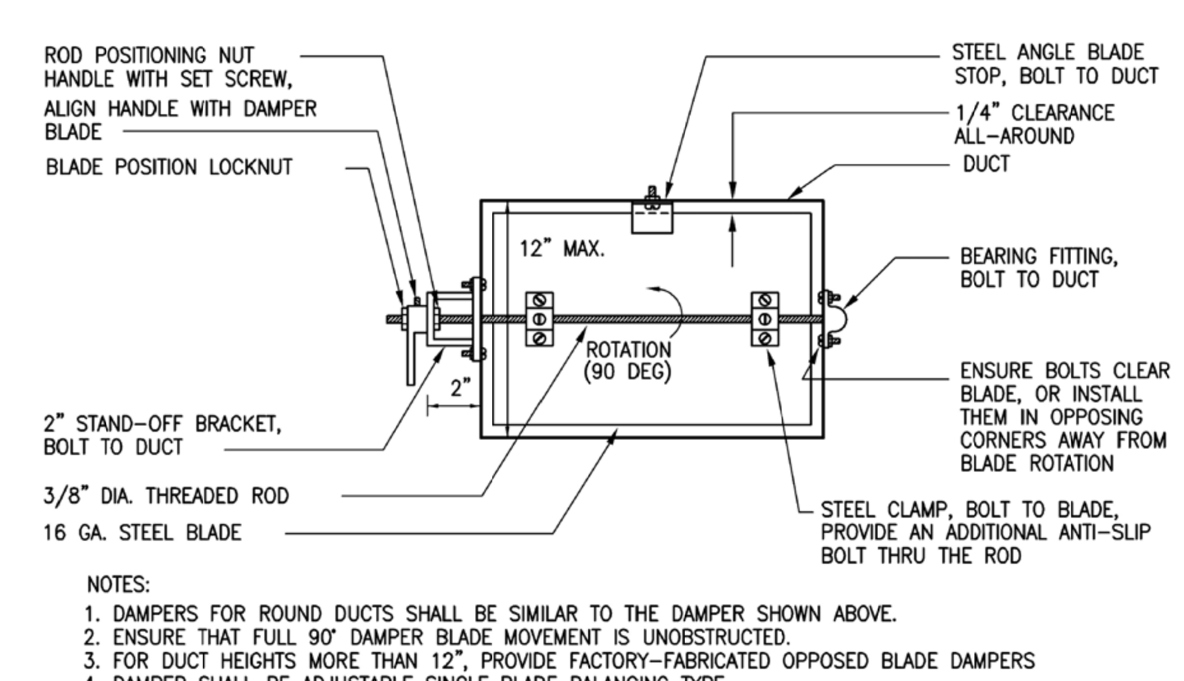
8 M1.4 DUCT MOUNT DIFFUSER DETAIL
SCALE- N/A



9 M1.4 DIFFUSER CONNECTION DETAIL
SCALE- N/A



10 M1.4 DUCT TRANSITION DETAIL
SCALE- N/A



11 M1.4 MANUAL DAMPER DETAIL
SCALE- N/A

General Notes

PLEASE NOTE:

1-14-21

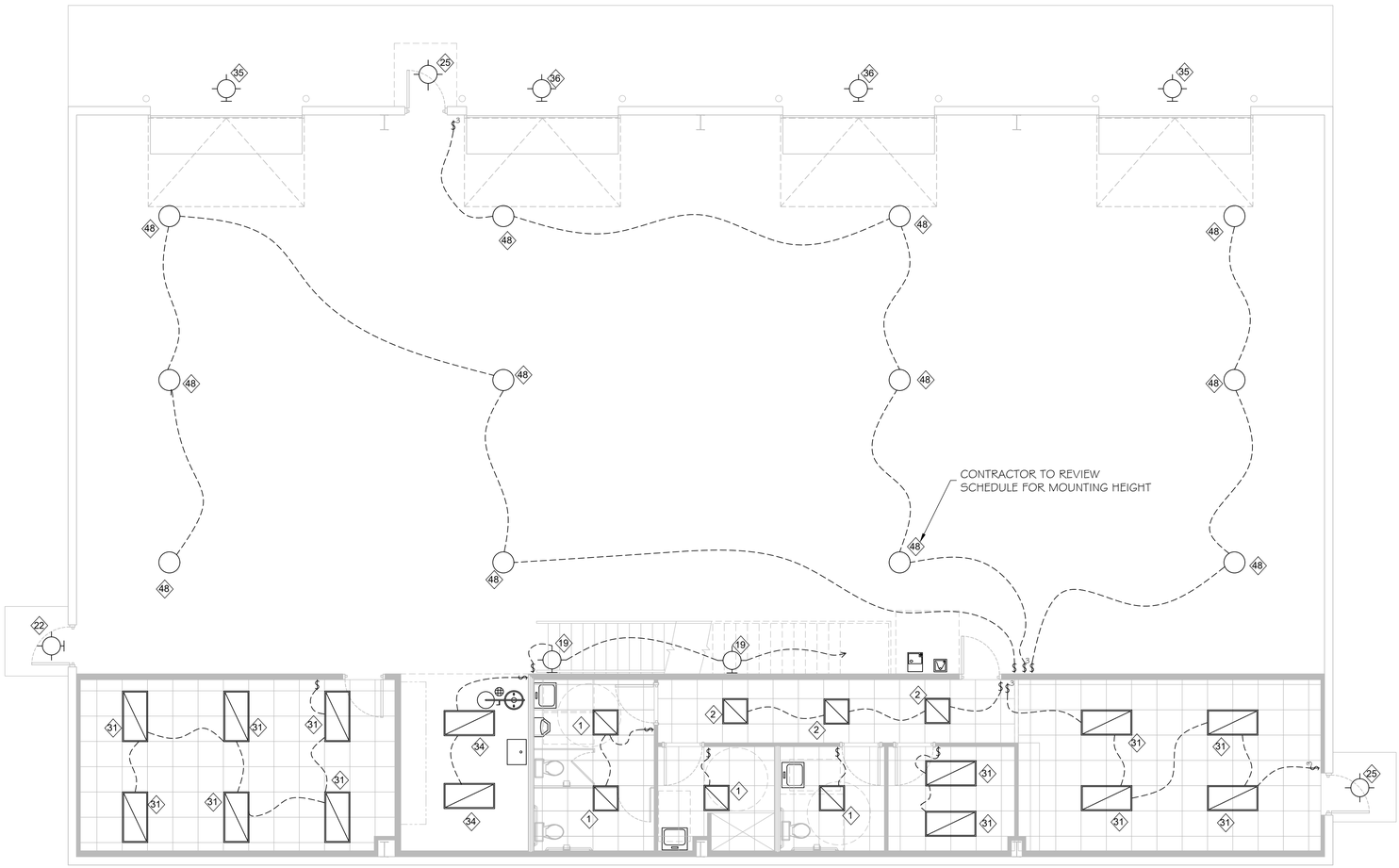
Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
HVAC DETAILS

PROJECT NUMBER 1519
DATE: 1-14-21
SCALE AS NOTED
SHEET M1.4



LIGHTING PLAN
SCALE- 1/8" = 1'

SYMBOL LEGEND			
$	SWITCH	D.B.	DOOR BELL
$3	3 WAY SWITCH	SD	SMOKE DETECTOR
$4	4 WAY SWITCH		TRACK LIGHTING FIXTURE
$D	DIMMER SWITCH		CEILING MOUNTED FIXTURE
G.D.	GARAGE DOOR OPENER SWITCH		SINGLE, 26W FLUOR. BULB WALL MOUNTED LIGHT FIXTURE W/ ELECTRIC EYE
	120V OUTLET		RECESSED CAN
	HALF-HOT OUTLET		MINI RECESSED CAN
	CHIMES		DIRECTIONAL RECESSED CAN
GFCI	GFCI OUTLET		MINI DIRECTIONAL RECESSED CAN
W.P. GFI	WATER-PROOF GFCI OUTLET		1x4 FLUORESCENT FIXTURE
AFCI	AFCI OUTLET		WALL SCONCE
AFCI	AFCI HALF-HOT OUTLET		CEILING FAN
220V	220V OUTLET		
FLR.	FLOOR OUTLET (VERY LOCATION- WITH OWNER, TYP.)		2' FLOR. FIXTURE
	A.C. DISC. SWITCH		2x4 FLUORESCENT FIXTURE
	EXHAUST FAN		EXIT LIGHT WITH BATTERY BACKUP EMERGENCE LIGHT
	PHONE OUTLET		BATTERY BACKUP EMERGENCE LIGHT
CATV	CATV OUTLET	W.P.	WATER PROOF
	CAT 5 OUTLET	D.P.	DAMP PROOF
	PHONE/CAT 5 OUTLET		STRUCTURED WIRING PANEL

1 NOTE: PROVIDE PERMANENT ELECTRIC OUTLET & LIGHT FIXTURE AT ATTIC AREAS WHERE HVAC EQUIPMENT IS LOCATED AND REQUIRES SERVICE LIGHT TO BE CONTROLLED BY A SWITCH NEAR OPENING.

ELECTRICAL STANDBY/GENERATOR EQUIPMENT SCHEDULE

NOTE: STANDBY/GENERATOR EQUIPMENT SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME EQUIPMENT LISTED WILL NOT BE USED IN THIS WORK. OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE EQUIPMENT FROM THIS SCHEDULE THAT IS SPECIFICALLY IDENTIFIED WITH TAGS/SYMBOLS ON PLANS

SYMBOL	EQUIPMEMT	POWER	FUEL	AMPS	PHASE-VOLTS	CONSUMPTION	ADDITIONAL NOTES

SGEN1	GENERAC RG03824ANAX	38 KVA	LPG	158	1/120-240/60	3.3 @ 1/2 LOAD	THIS IS SIZED FOR 100% LIGHTS, COMPUTERS, & HVAC, PLUS 1 WELDER
SGEN2	GENERAC QT10068KVAC	100 KVA	LPG	---	3/277-460/60	13.9 @ 1/2 LOAD	---
SGEN3	GENERAC QT070KVAC	67 KVA	LPG	292	1/120-240/60	5.6 @ 1/2 LOAD	---
SGEN4	GENERAC QT080KVAC	77 KVA	LPG	333	1/120-240/60	6.6 @ 1/2 LOAD	

STANDBY GENERATOR NOTES

1. ONE GENERATOR IS TO BE PROVIDED TO POWER BOTH BUILDINGS A & B, AND IS TO BE LOCATED AS NOTED ON THE SITE PLAN.
2. CONTRACTOR TO PROVIDE ALL NECESSARY CONDUITS, HOOKUPS, COMPONENTS, AND HARDWARE FOR A COMPLETE SYSTEM INSTALLATION, THIS INCLUDES ALL NECESSARY ACCESSORIES W/N THE BUILDINGS FOR POWER DISTRIBUTION
3. CONNECTIONS FROM BUILDINGS TO EQUIPMENT ARE TO BE SUBGRADE IN MIN. S80 CONDUIT, PROVIDE AND ADDITIONAL EMPTY CONDUIT FROM BOTH BUILDINGS FOR FUTURE EXPANSION
4. CONTRACTOR IS TO FULLY TRAIN OWNER ON EQUIPMENT, OPERATIONS, MAINTENANCE, AND ALL NECESSARY APPLICATIONS ASSOCIATED WITH THE SYSTEM
5. EQUIPMENT IS TO BE FULLY INSTALL PER MANUFACTURERS SPECIFICATIONS
6. ALL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATORY CODES AND STANDARDS: PREVAILING IBC, NFPA 70, NFPA 110
7. THE STANDBY GENERATOR SYSTEM SHALL BE DESIGNED TO AUTOMATICALLY PROVIDE BACKUP POWER TO THE BUILDINGS UTILIZING ONE OR MORE PERMANENTLY INSTALLED GENERATORS IN THE EVENT OF AN INTERRUPTION IN THE UTILITY POWER SUPPLY.
8. STARTUP OF GENERATOR(S), TRANSFER/SWITCHING FROM UTILITY POWER TO GENERATOR POWER AND TRANSFER/SWITCHING BACK TO THE UTILITY SUPPLY UPON RESTORATION OF POWER (AFTER A PROGRAMMED TIME DELAY) SHALL BE COMPLETELY AUTOMATIC, WITH NO MANUAL OPERATIONS REQUIRED.
9. SYSTEM SHALL BE FUELED BY LPG, AND SUPPLIED FROM THE SAME LPG TANK THAT IS BEING INSTALLED FOR THE HVAC SYSTEMS OF THIS PROJECT
10. CONTRACTOR SHALL EVALUATE NOISE LEVEL REQUIREMENTS AND SPECIFY/INSTALL SOUND ENCLOSURES, ETC. FOR NEW EQUIPMENT AS REQUIRED.
11. CONTRACTOR SHALL EVALUATE EMISSIONS REQUIREMENTS AND SPECIFY NEW EQUIPMENT TO MEET ALL APPLICABLE STANDARDS AND REGULATIONS. CONTRACTOR SHALL DETERMINE WHETHER AIR PERMITTING IS REQUIRED AND OBTAIN ALL NECESSARY PERMITS.

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25773
LICENSED PROFESSIONAL ENGINEER

1-14-21

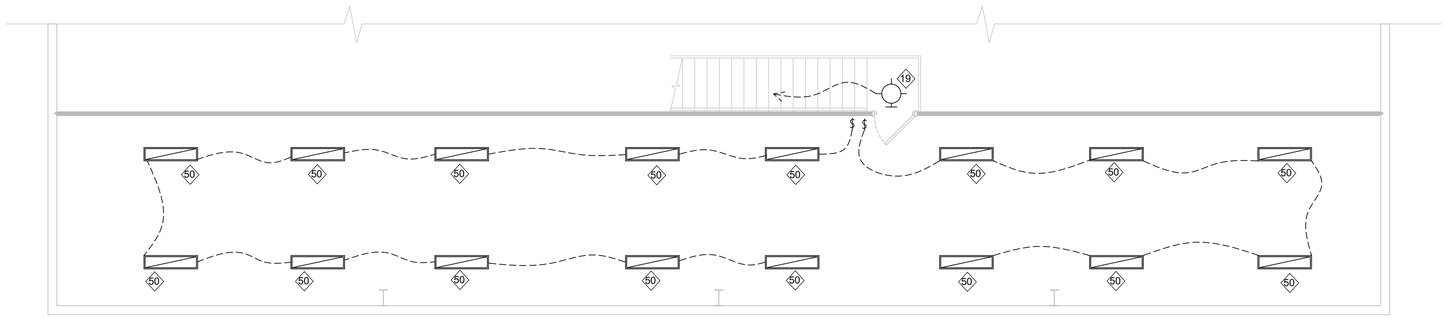
No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
REFLECTED CEILING AND LIGHTING PLAN

PROJECT NUMBER 1519 B
DATE: 1-14-21
SCALE AS NOTED
SHEET E1.0



1 E1.01 LIGHTING PLAN
SCALE- 3/16" = 1'

SYMBOL LEGEND

$	SWITCH	D.B.	DOOR BELL
$3	3 WAY SWITCH	SD	SMOKE DETECTOR
$4	4 WAY SWITCH		TRACK LIGHTING FIXTURE
$D	DIMMER SWITCH		CEILING MOUNTED FIXTURE
G.D.	GARAGE DOOR OPENER SWITCH		SINGLE, 2GW FLUOR. BULB WALL MOUNTED LIGHT FIXTURE W/ ELECTRIC EYE
	120V OUTLET		RECESSES CAN
	HALF-HOT OUTLET		MINI RECESSED CAN
	CHIMES		DIRECTIONAL RECESSED CAN
GFCI	GFCI OUTLET		MINI DIRECTIONAL RECESSED CAN
W.P. GFI	WATER-PROOF GFCI OUTLET		1x4 FLUORESCENT FIXTURE
AFCI	AFCI OUTLET		WALL SCONCE
AFCI	AFCI HALF-HOT OUTLET		CEILING FAN
220V	220V OUTLET		
FLR.	FLOOR OUTLET (VERY LOCATION-WITH OWNER, TYP.)		2' FLOR. FIXTURE
	A.C. DISC. SWITCH		2x4 FLUORESCENT FIXTURE
	EXHAUST FAN		EXIT LIGHT WITH BATTERY BACKUP EMERGENCE LIGHT
	PHONE OUTLET		BATTERY BACKUP EMERGENCE LIGHT
CATV	CATV OUTLET	W.P.	WATER PROOF
	CAT 5 OUTLET	D.P.	DAMP PROOF
	PHONE/CAT 5 OUTLET		STRUCTURED WIRING PANEL

1 NOTE: PROVIDE PERMANENT ELECTRIC OUTLET & LIGHT FIXTURE AT ATTIC AREAS WHERE HVAC EQUIPMENT IS LOCATED AND REQUIRES SERVICE LIGHT TO BE CONTROLLED BY A SWITCH NEAR OPENING.

00

LIGHTING FIXUTRE SCHEDULE

NOTE: LIGHT FIXTURE SCHEDULE IS NOT INCLUSIVE TO THIS PROJECT, SOME FIXTURES WILL NOT BE USED IN THIS WORK. OWNER/BUILDER/CONTRACTOR IS TO ONLY REFERENCE FIXTURES FROM THIS SCHEDULE THAT ARE SPECIFICALLY IDENTIFIED WITH TAGS ON PLANS

SYMBOL	EQUIPMEMT	NO. BULBS	BULB WATTAGE	BULB TYPE	ADDITIONAL NOTES	OPTIONS
1	TCPE TRF2120*4030K 2X2 TROFFER	---	45	LED	---	---
2	TCPE TRF2120*2030K 2X2 TROFFER	---	24	LED	---	---
3	SIMKAR ETY 2X2 TROFFER	---	45	LED	---	---
4	SIMKAR EN2 LED - 48" LONG -65L	---	56	LED	SURFACE MOUNT AND APPROVED FOR COMMERCIAL KITCHEN APPLICAITONS	---
5	SIMKAR SY920 - 4FT FROSTED	---	44	LED	---	---
6	METAL ELECTRICAL BOX FOR FUTURE EXPANSION	---	---	---	---	---
7	TYPICAL SINGLE CEILING SURFACE FIXTURE	1	26	CF	---	---
8	6" LED DOWNLIGHT	1	15	LED	---	---
9	IC RATED CAN LIGHT (DCI APPROVED)	1	20	LED	INCLUDE MANUFACTURER'S BRACKETING FOR ACT INSTALL	---
10	WALL MOUNTED LIGHT TRACK OR VANITY FIXTURE	---	---	CF OR LED	---	---
11	SIMKAR SLPLED4MF	---	46	LED	---	---
12	WALL PACK	---	45	LED	MUST BE ON ELEC DAYLIGHTING EYE	---
13	SIMKAR SY920 - 4 FT FROSTED	---	60	LED	---	---
14	EXTERIOR WALL MOUNTED FIXTURE	1	---	LED	MUST BE ON ELEC DAYLIGHTING EYE & RED IN LIGHT COLOR FOR TRUCK BACKING ALIGNMENT	---
15	DECORATIVE SMALL SINGLE CEILING PENDENT	---	LESS THAN 50	DIMMABLE LED	---	---
16	SIMKAR SY920 - 4 FT FROSTED	---	44	LED	---	---
17	EXTERIOR WALL MOUNTED FIXTURE	1	26	CF	---	---
18	SUSPENDED ADJUSTABLE FIXTURE OR TRACK	1 - 4	LESS THAN 36	LED	---	---
19	WALL MOUNTED FIXTURE	1	LESS THAN 20	LED	---	---
20	DECORATIVE WALL SCONCE	1	LESS THAN 20	LED	---	---
21	DECORATIVE SMALL SINGLE CEILING PENDENT	---	LESS THAN 20	DIMMABLE LED	SUSPEND AT 12' AFF	---
22	EXTERIOR WALL MOUNTED ARCH LIGHTING FIXTURE	1	LESS THAN 20	LED	MUST BE ON ELEC DAYLIGHTING EYE	---
23	EXTERIOR ARCHITECTURAL FLOOD LIGHT	---	---	LED	MUST BE ON ELEC DAYLIGHTING EYE	---
24	IC RATED CAN LIGHT (DCI APPROVED) FOR ACT INSTALL	1	LESS THAN 20	LED	INCLUDE MANUFACTURER'S BRACKETING FOR ACT INSTALL	---
25	EXTERIOR RATED CAN LIGHT OR DOWN LIGHT	1	LESS THAN 10	LED	MOUNTED W/N AWNING/CANOPY, MUST BE ON ELEC DAYLIGHTING EYE	---
26	EXTERIOR RATED CAN LIGHT OR DOWN LIGHT	1	15	LED	INSTALLATION PER CANOPY PROVIDER, MUST BE ON ELEC DAYLIGHTING EYE & HAVE 90 MIN. POWER BACKUP	---
27	TYPICAL SINGLE WALL MOUNTED FIXTURE	---	LESS THAN 20	LED	---	---
28	SIMKAR RG2 LED WHITE REFLECT HI BAY	1	250	LED	SUSPEND AT 20' AFF	---
29	IC RATED CAN LIGHT (DCI APPROVED)	1	LESS THAN 20	LED	---	---
30	TCP 15000150 (HI BAY)	1	150	LED	SUSPEND AT 18' AFF	---
31	TCPE TRF4120*6850K 2X4 TROFFER	1	80W	LED	---	---
32	TCPE TRF4120*4050K 2X4 TROFFER	1	45W	LED	---	---
33	TCPFP2U*3650 2X2 FLAT PANEL SURFACE MOUNT	1	36W	LED	---	---
34	TCPFP4U*5050 2X4 FLAT PANEL SURFACE MOUNT	1	50W	LED	---	---
35	WALL PACK: TCP WP40UNIT350KBLK	1	40W	LED	MOUNT AT 16" ABOVE DOOR, MUST BE ON ELEC DAYLIGHTING EYE	---
36	WALL PACK: TCP WP80UNIT350KBLK	1	80W	LED	MOUNT AT 16" ABOVE DOOR, MUST BE ON ELEC DAYLIGHTING EYE	---
37	LITHONIA 2X4 TROFFER, 2BLT4 60L ADPT LP835	1	47W	LED	---	---
38	LITHONIA 2X4 TROFFER, 2BLT4 72L ADPT LP835	1	59W	LED	---	---
39	LITHONIA CLX L48 4000LM SEF WDL PROR 80CRI WH	1	---	LED	MOUNT IN LOBBY SOFFIT FACING UP, PROVIDE REMOTE CONTROL TRAINING TO OWNER	---
40	LITHONIA 2X2 TROFFER, 2BLT2 48L ADPT LP835	1	43W	LED	---	---
41	LITHONIA 6" DOWN LIGHT, LDN6 35/30 LO6AR LD	1	35W	LED	---	---
42	LITHONIA 6" DOWN LIGHT, LDN6 35/20 L20AR LD	1	35W	LED	RECESSED CAN LIGHT, EXTERIOR/WET LOCATION, ROOF OVERHANG W/ WHITE TRIM	---
43	LITHONIA 8" RECESSED DOWN LIGHT, LD08 35/40 ARLD	1	90W	LED	RECESSED CAN LIGHT, EXTERIOR/WET LOCATION, ENTRY OVERHANG W/ WHITE TRIM	---
44	LITHONIA 8" RECESSED DOWN LIGHT, LDN8 40/100 ARLD	1	120W	LED	RECESSED CAN LIGHT, EXTERIOR/WET LOCATION, DRIVE THRU CANOPY W/ WHITE TRIM	---
45	LITHONIA FLOOD LIGHT #DSXF1 AS30/40K WFL DDBXD	1	19W	LED	FLOOD LIGHT ON CUPOLA, PROVIDE MOUNTING HARDWARE AS NEEDED & SEAL	---
46	LITHONIA 4" DOWN LIGHT, LDN4 30/20 LO4AR LD	1	22W	LED	---	---
47	LITHONIA 6" DOWN LIGHT, 6JBK ADJ	1	11W	LED	SELECT ROUND, ADJUSTABLE, DIMMABLE, AND OIL RUBBED BRONZE FINISH	---
48	LITHONIA JEBL 24LM GL 50K 80CRI DALR	1	180W	LED	SUSPEND AT 17' AFF	---
49	LITHONIA 4" DOWN LIGHT, LDN4 27/10 L04AR LD	1	10W	LED	RECESSED CAN LIGHT, EXTERIOR/WET LOCATION, DRIVE THRU CANOPY W/ WHITE TRIM	---
50	TCP SHIN150K, 5000K, 80 CRI 48" SURFACE MOUNT/SUSPEND	1	42W	LED	STANDARD SHOP LIGHT SUSPEND W/ CHAINS @ 8'-6" AFF	---

General Notes

PLEASE NOTE:

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

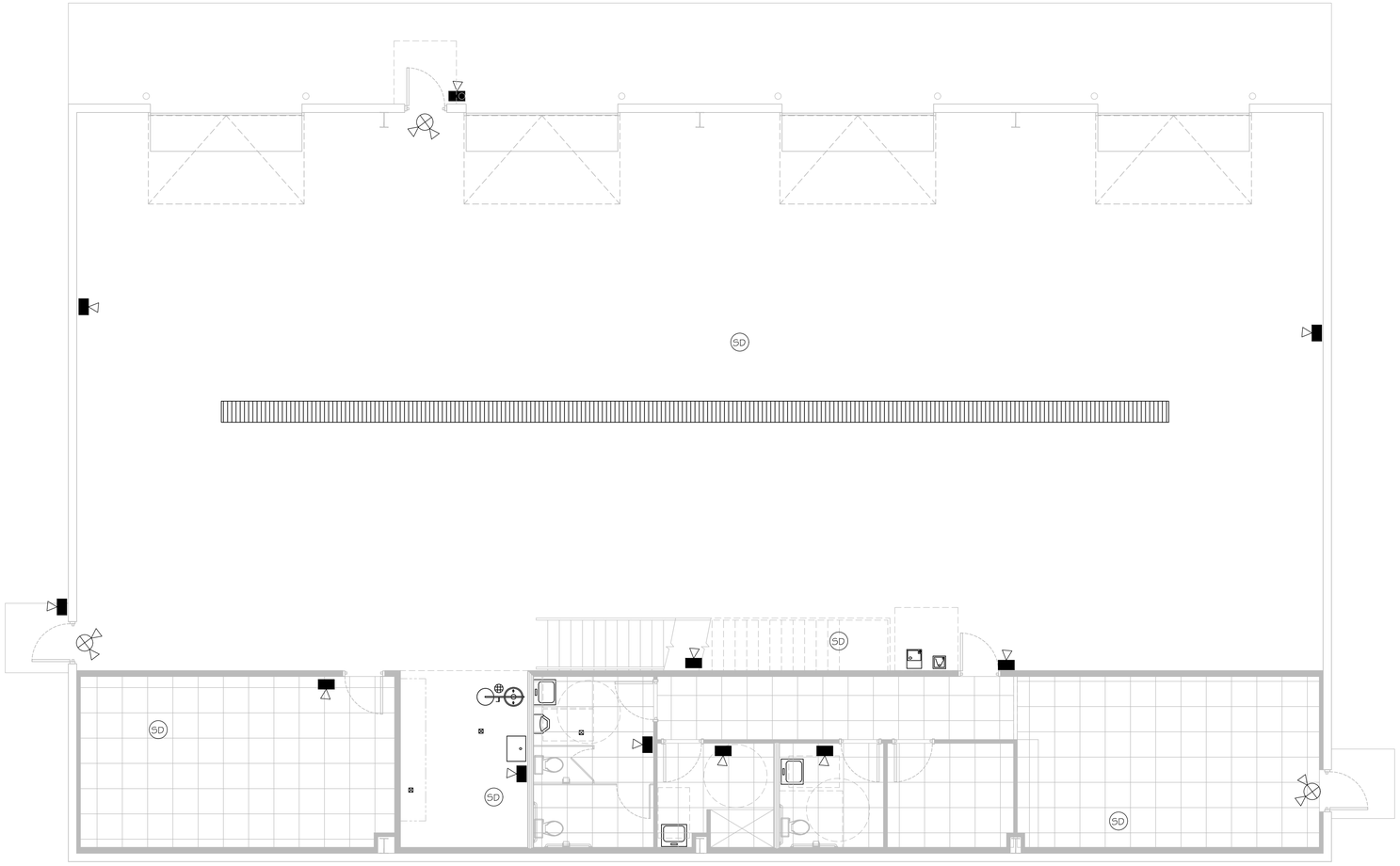
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

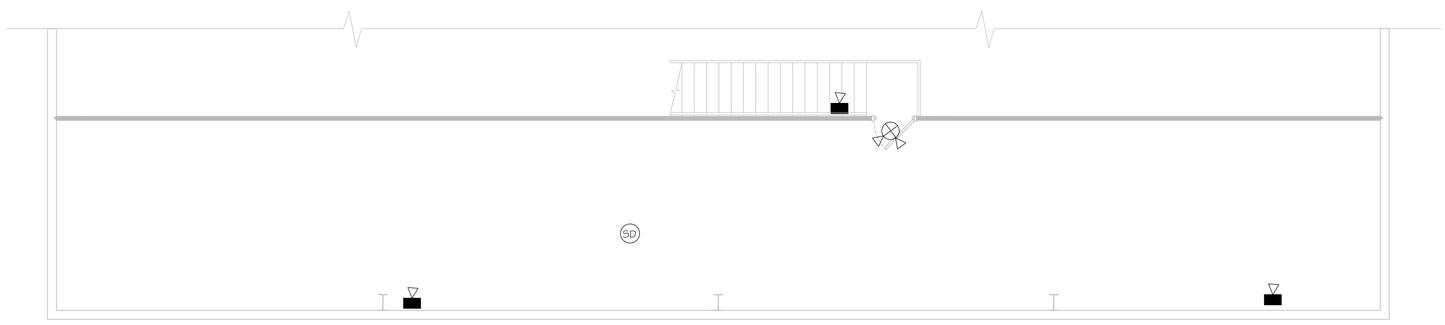
SHEET NAME

REFLECTED CEILING
AND LIGHTING PLAN

PROJECT NUMBER	SHEET
1519B	E1.01
DATE: 1-14-21	
SCALE AS NOTED	



1 E1.1 LIFE SAFETY PLAN
SCALE- 3/16" = 1'



2 E1.1 LIFE SAFETY PLAN
SCALE- 3/16" = 1'

SYMBOL LEGEND

$	SWITCH	D.B.	DOOR BELL
$3	3 WAY SWITCH	SD	SMOKE DETECTOR
$4	4 WAY SWITCH		TRACK LIGHTING FIXTURE
$D	DIMMER SWITCH		CEILING MOUNTED FIXTURE
G.D.	GARAGE DOOR OPENER SWITCH		SINGLE, 26W FLUOR. BULB WALL MOUNTED LIGHT FIXTURE W/ ELECTRIC EYE
	120V OUTLET		RECESSED CAN
	HALF-HOT OUTLET		MINI RECESSED CAN
	CHIMES		DIRECTIONAL RECESSED CAN
GFCI	GFCI OUTLET		MINI DIRECTIONAL RECESSED CAN
W.P. GFI	WATER-PROOF GFCI OUTLET		1x4 FLUORESCENT FIXTURE
AFCI	AFCI OUTLET		WALL SCONCE
AFCI	AFCI HALF-HOT OUTLET		CEILING FAN
220V	220V OUTLET		
FLR.	FLOOR OUTLET (VERY LOCATION-WITH OWNER, TYP.)		2' FLOR. FIXTURE
	A.C. DISC. SWITCH		2x4 FLUORESCENT FIXTURE
	EXHAUST FAN		EXIT LIGHT WITH BATTERY BACKUP EMERGENCE LIGHT
	PHONE OUTLET		BATTERY BACKUP EMERGENCE LIGHT
CATV	CATV OUTLET	W.P.	WATER PROOF
	CAT 5 OUTLET	D.P.	DAMP PROOF
	PHONE/CAT 5 OUTLET		STRUCTURED WIRING PANEL

1 NOTE: PROVIDE PERMANENT ELECTRIC OUTLET & LIGHT FIXTURE AT ATTIC AREAS WHERE HVAC EQUIPMENT IS LOCATED AND REQUIRES SERVICE LIGHT TO BE CONTROLLED BY A SWITCH NEAR OPENING.

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
28775
LICENSED
PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

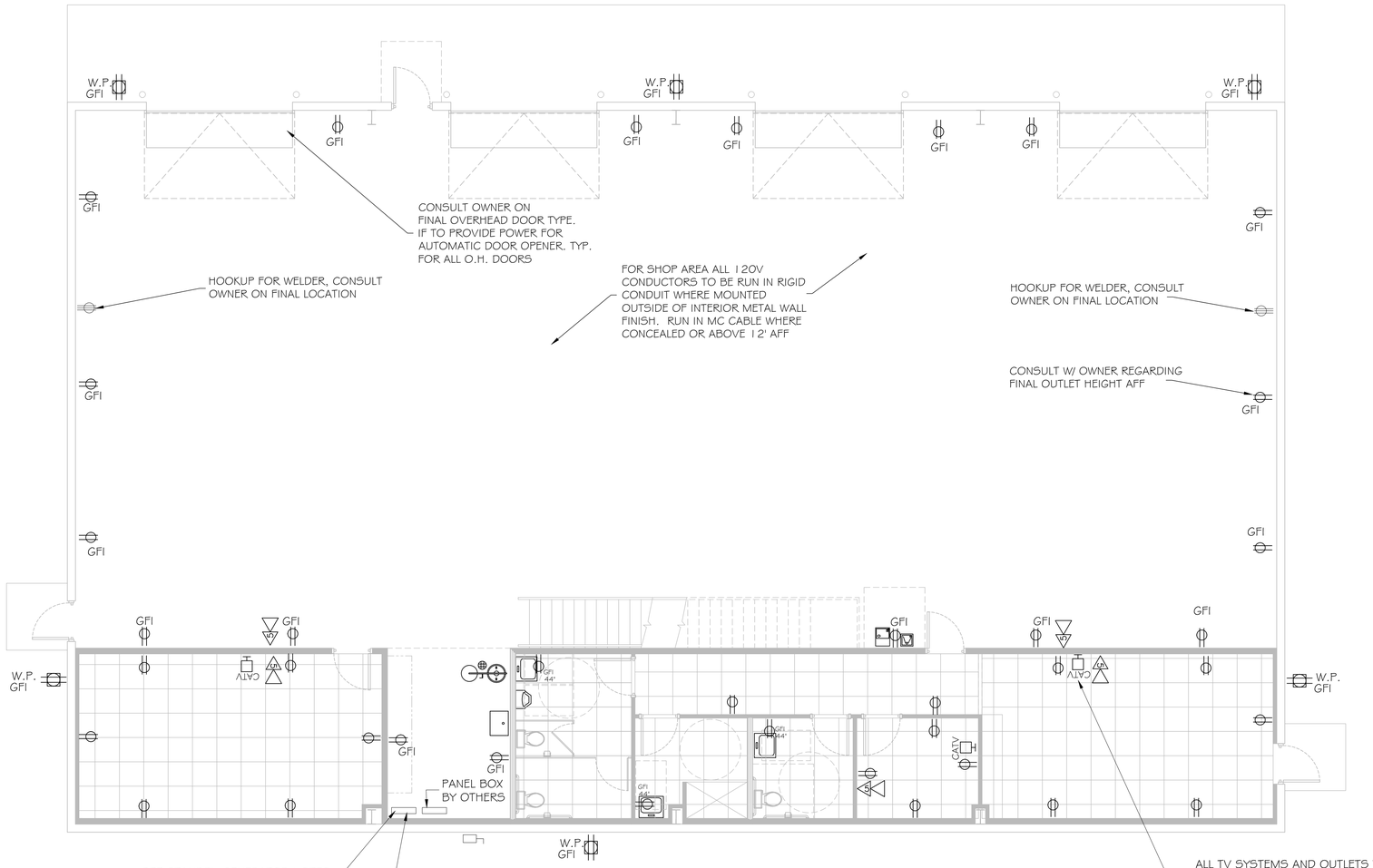
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

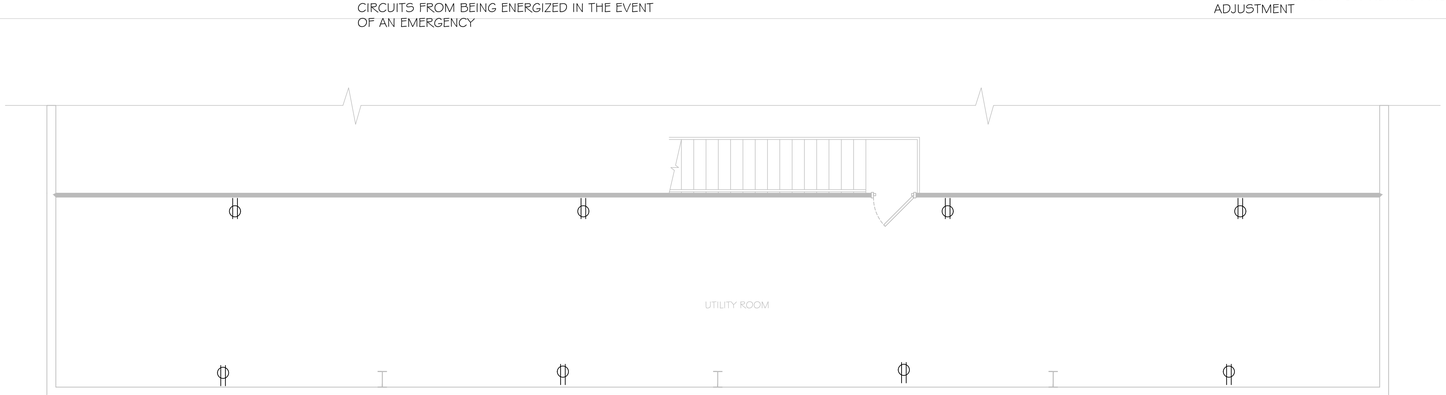
LIFE SAFETY PLAN

PROJECT NUMBER	SHEET
1519B	E1.1
DATE: 1-14-21	
SCALE AS NOTED	



1 E1.2 PLUG & DATA LAYOUT

SCALE- 3/16" = 1'



2 E1.2 PLUG & DATA LAYOUT

SCALE- 3/16" = 1'

SYMBOL LEGEND

$	SWITCH	D.B.	DOOR BELL
$3	3 WAY SWITCH	SD	SMOKE DETECTOR
$4	4 WAY SWITCH		TRACK LIGHTING FIXTURE
$D	DIMMER SWITCH		CEILING MOUNTED FIXTURE
G.D.	GARAGE DOOR OPENER SWITCH		SINGLE, 26W FLUOR. BULB WALL MOUNTED LIGHT FIXTURE W/ ELECTRIC EYE
	120V OUTLET		RECESSED CAN
	HALF-HOT OUTLET		MINI RECESSED CAN
	CHIMES		DIRECTIONAL RECESSED CAN
GFCI	GFCI OUTLET		MINI DIRECTIONAL RECESSED CAN
W.P. GFI	WATER-PROOF GFCI OUTLET		1x4 FLUORESCENT FIXTURE
AFCI	AFCI OUTLET		WALL SCONCE
AFCI	AFCI HALF-HOT OUTLET		CEILING FAN
220V	220V OUTLET		
FLR.	FLOOR OUTLET (VERY LOCATION-WITH OWNER, TYP.)		2' FLOR. FIXTURE
	A.C. DISC. SWITCH		2x4 FLUORESCENT FIXTURE
	EXHAUST FAN		EXIT LIGHT WITH BATTERY BACKUP EMERGENCE LIGHT
	PHONE OUTLET		BATTERY BACKUP EMERGENCE LIGHT
CATV	CATV OUTLET	W.P.	WATER PROOF
	CAT 5 OUTLET	D.P.	DAMP PROOF
	PHONE/CAT 5 OUTLET		STRUCTURED WIRING PANEL

1 NOTE: PROVIDE PERMANENT ELECTRIC OUTLET & LIGHT FIXTURE AT ATTIC AREAS WHERE HVAC EQUIPMENT IS LOCATED AND REQUIRES SERVICE LIGHT TO BE CONTROLLED BY A SWITCH NEAR OPENING.

ELECTRICAL NOTES

1. THE OWNER HAS ELECTED FOR A MINIMUM DESIGN-BUILD PERMITTING SET OF PLANS ONLY, NOT A FULL DESIGN-BID-BUILD SET. THEREFORE, THE MINIMUM AMOUNT OF ELECTRICAL DETAILING HAS BEEN PROVIDED TO ACCOMMODATE BUILDING CODE PLAN REVIEW AND PERMITTING ONLY. THE BIDDING ELECTRICAL CONTRACTOR IS TO SIZE AND ACCOUNT FOR ALL OTHER ELECTRICAL DETAILS, LOADS, SERVICES, AND EQUIPMENT TO FULLY COMPLETE THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO:
   - 1.1. PANEL & CONDUCTOR SIZING
   - 1.2. SERVICE ENTRANCE SIZING AND LOCATIONS
   - 1.3. ANY SITE RELATED UTILITY TRANSFORMERS, CONDUIT, STATIONS, ETC.
   - 1.4. ANY ELECTRICAL PERMITTING FORMS OR REQUIRED DOCUMENTATION
2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OWNER REGARDING FINAL SWITCHING AND CONTROL LOCATIONS, ANY SPECIALITY LIGHTING, AUDIO/VIDEO EQUIPMENT, SPECIALTY EQUIPMENT, AND OTHER ELECTRICAL SYSTEMS NOT SHOWN ON PLANS.
3. THE PROVIDED ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE, THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY CONFLICT OR ERROR BETWEEN THE DRAWINGS, RELATIVE LOCATION OF ELEMENTS REPRESENTED WITHIN THE DRAWINGS, THE SPECIFICATIONS, OR DETAILS, BUT SHALL CONSULT WITH THE OWNER FOR CLARIFICATION OF SUCH BEFORE INSTALLATION.
4. THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS FOR THE LOCATION OF EQUIPMENT AND WORK.
5. THE CONTRACTOR SHALL REVIEW, CHECK, AND VERIFY ALL PROVIDED INFORMATION PRIOR TO INSTALLATION.
6. WHERE APPLICABLE, THE CONTRACTOR SHALL SUPPLY ALL NECESSARY ELECTRICAL ELEMENTS AND SERVICE TO MECHANICAL EQUIPMENT.
7. SEE ALSO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. CONTRACTOR TO TRAIN OWNER ON FULL DETAILS OF OPERATION AND CONTROLS
9. ALL CIRCUITS IN EXPOSED OR ACCESSIBLE AREAS AND ARE NOT PROTECTED ON BOTH SIDES BY A THERMAL BARRIER WITH A MIN. OF 15 MINUTES FINISH RATING ARE TO BE FULL METAL CONDUIT OR WHERE APPROVED BY ELECTRICAL CODE AUTHORITY HAVING JURISDICTION, MC CABLE

General Notes

PLEASE NOTE:

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

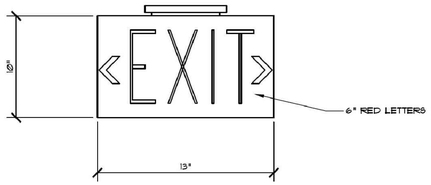
PLUG & DATA LAYOUT

PROJECT NUMBER	SHEET
1519 B	E1.2
DATE: 1-14-21	
SCALE AS NOTED	

NOTE:

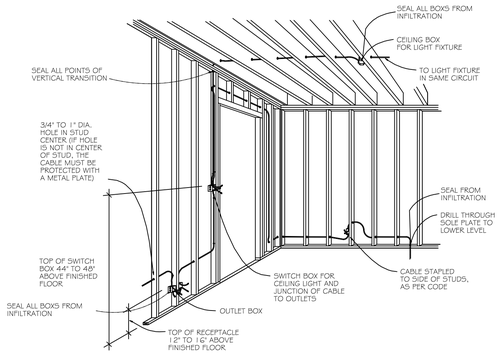
EXIT SIGNS AND THE EMERGENCY MEANS OF EGRESS LIGHTING SHALL PROVIDE AN EMERGENCY POWER DURATION OF AT LEAST 90 MIN. IN ACCORDANCE WITH IBC1006.3 & NEC700.12(F).

THE POWER SOURCE SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM IN ACCORDANCE WITH ARTICLE 700 OF NFPA 70. (1023.0, 1024.0 & 2706.0)



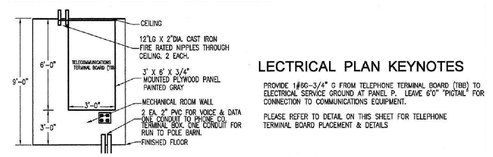
1 E1.3 EXIT SIGN

SCALE- N/A



2 E1.3 TYP. WIRING LAYOUT

SCALE- N/A



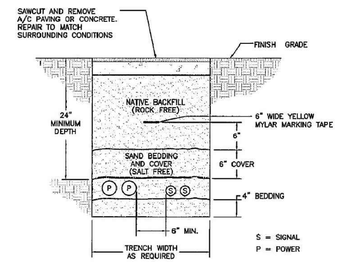
LECTRICAL PLAN KEYNOTES

PROVIDE 1#6-3/4" G FROM TELEPHONE TERMINAL BOARD (TBB) TO ELECTRICAL SERVICE GROUND AT PANEL P. LEAVE 6'-0" "PIGTAIL" FOR CONNECTION TO COMMUNICATIONS EQUIPMENT.

PLEASE REFER TO DETAIL ON THIS SHEET FOR TELEPHONE TERMINAL BOARD PLACEMENT & DETAILS

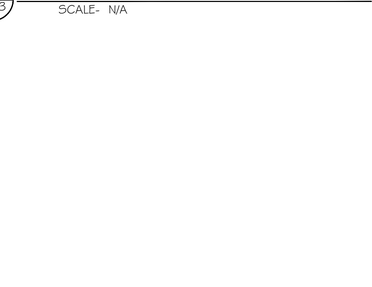
3 E1.3 PHONE TERMINAL BOARD

SCALE- N/A



4 E1.3 UNDERGROUND CONDUIT

SCALE- N/A



5 E1.3 UNDERGROUND PULL BOX

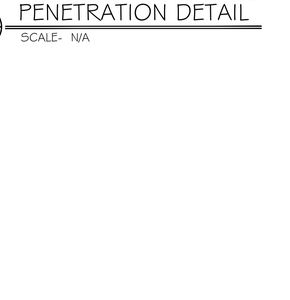
SCALE- N/A

NOTES:

1. SAFETY WIRES SHALL HAVE A MINIMUM OF 3 TIGHT TURNS AROUND SELF.
2. FIXTURE INSTALLATION TO COMPLY WITH ASTM C636 AND CISCA STANDARDS.

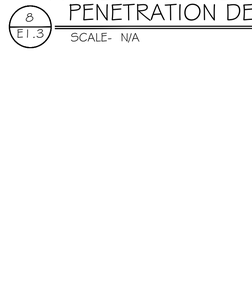
6 E1.3 RECESSED LUMINAR SUPPORT

SCALE- N/A



7 E1.3 TYP. ELECTRICAL WALL PENETRATION DETAIL

SCALE- N/A



8 E1.3 TYP. ELECTRICAL CEILING PENETRATION DETAIL

SCALE- N/A

General Notes

PLEASE NOTE:

1-14-21

	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

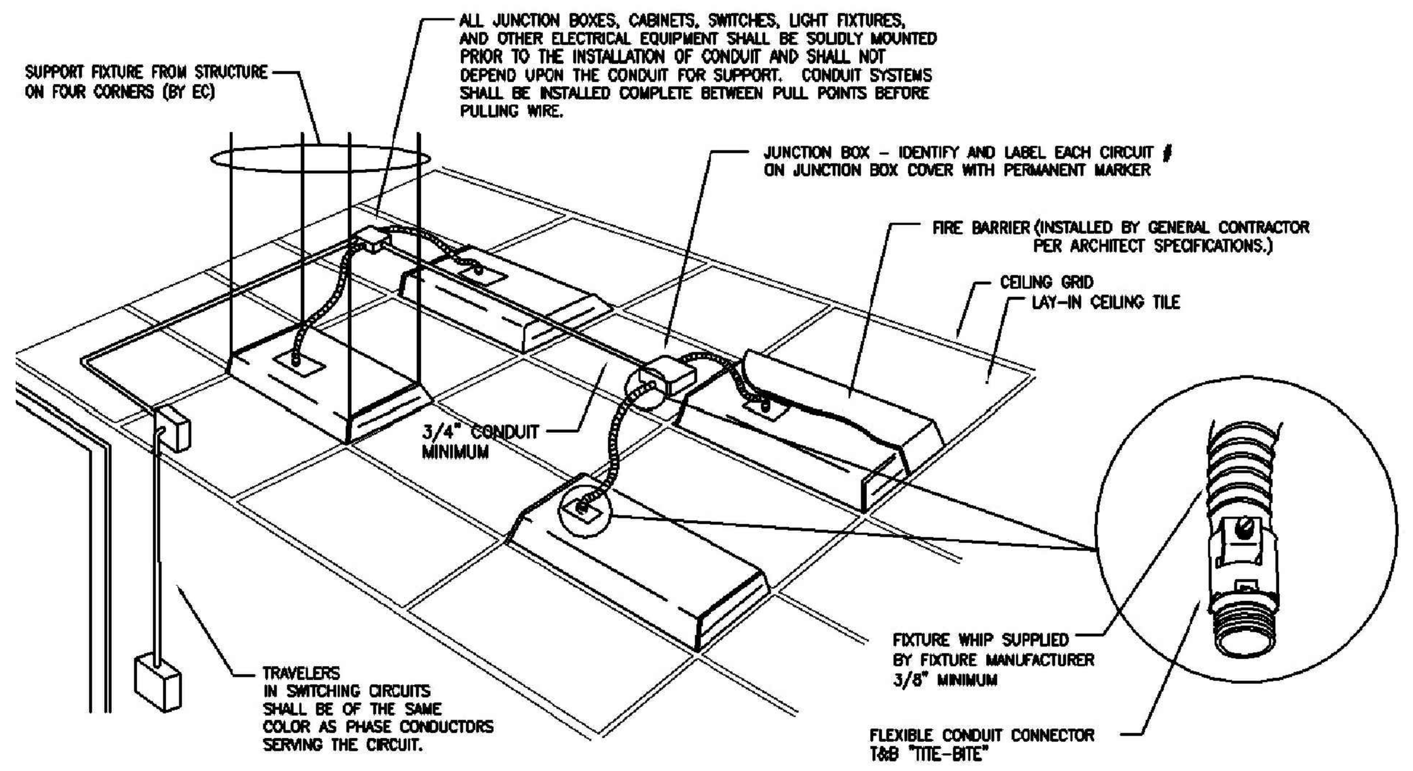
SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

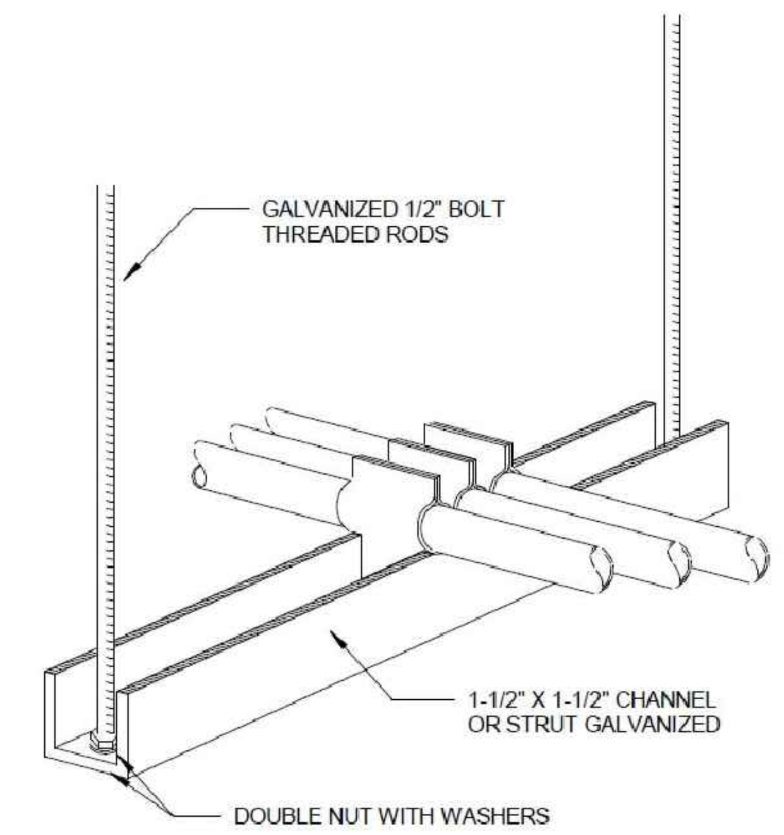
SHEET NAME

ELECTRICAL DETAILS

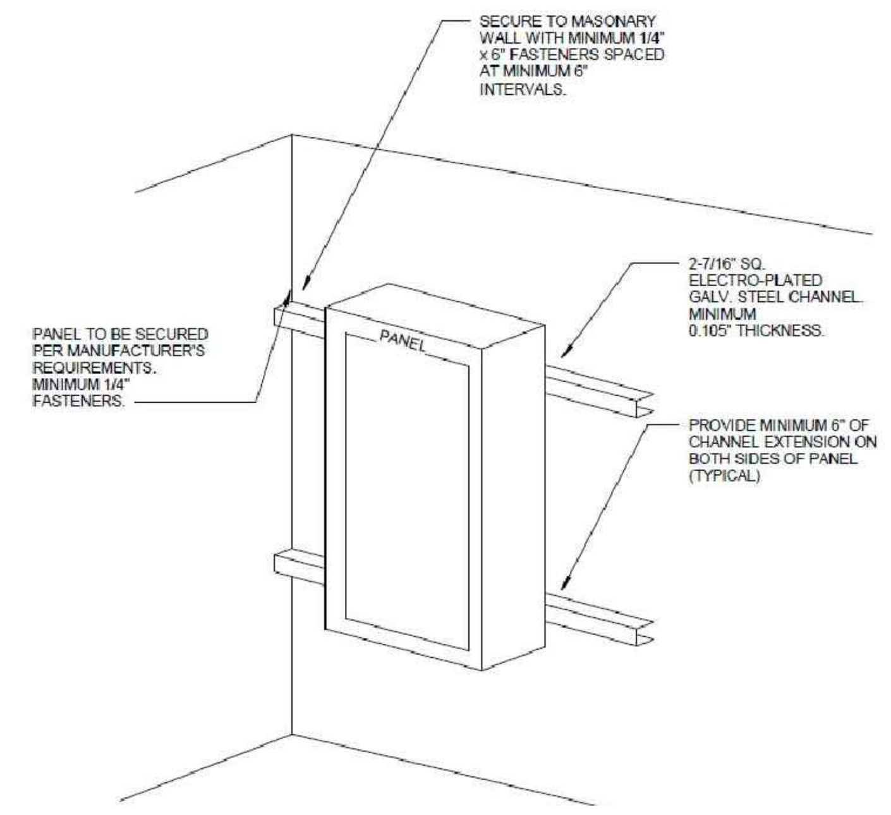
PROJECT NUMBER	SHEET
1519	E1.3
DATE: 1-14-21	
SCALE AS NOTED	



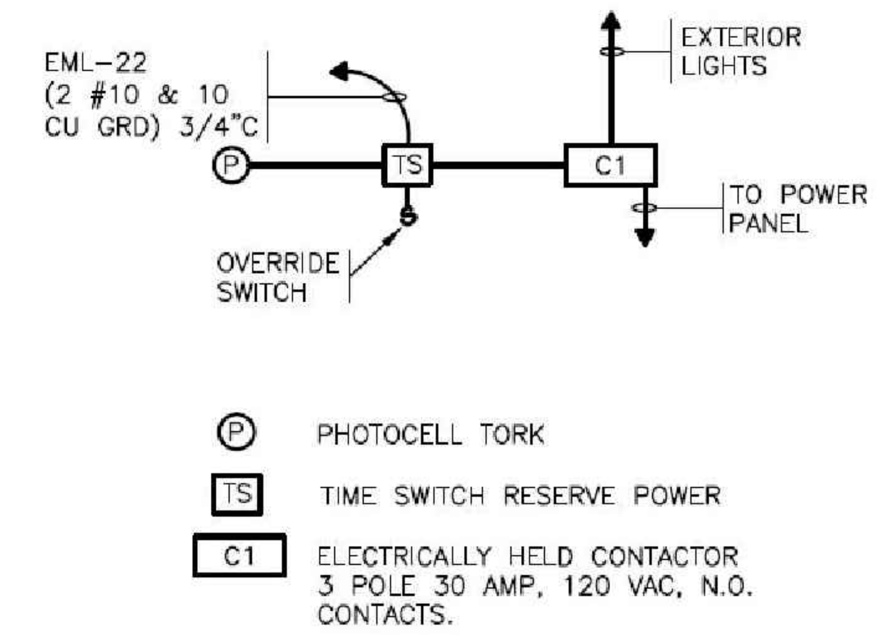
1 E1.4 TYP. CEILING GRID DETAIL
SCALE- N/A



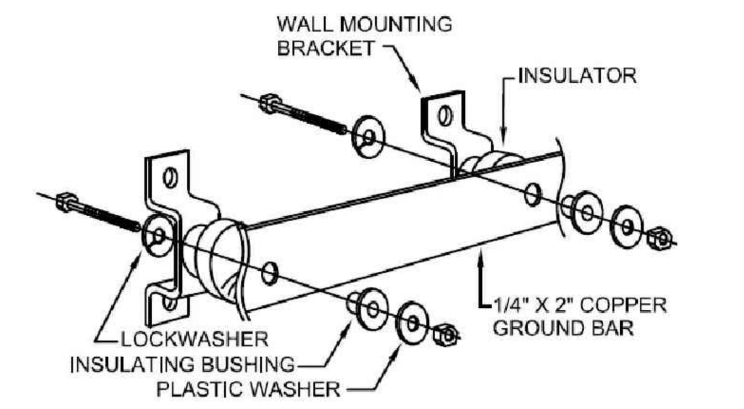
2 E1.4 CONDUIT SUPPORT DETAIL
SCALE- N/A



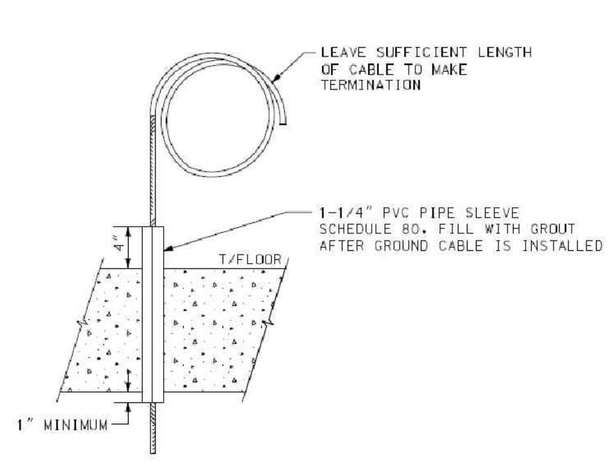
3 E1.4 ELECTRICAL PANEL
SCALE- N/A



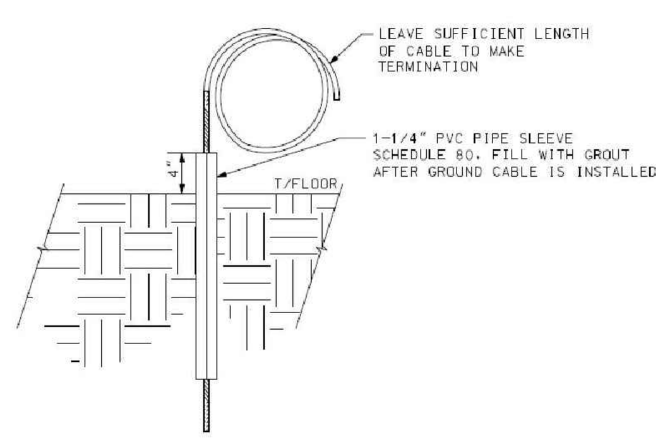
4 E1.4 EXTERIOR LIGHTING CONTROL
SCALE- N/A



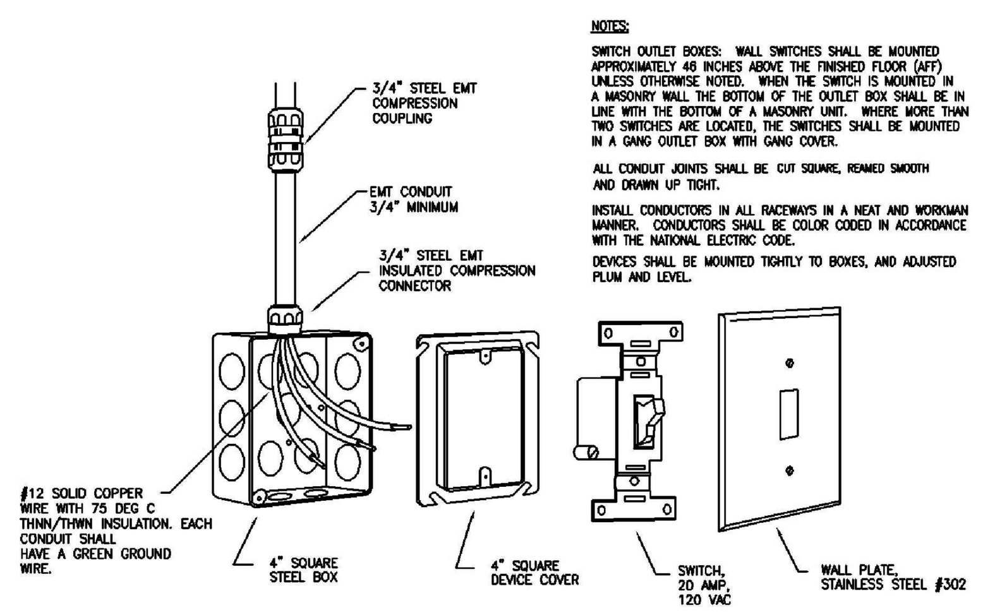
5 E1.4 GROUND BAR DETAIL
SCALE- N/A



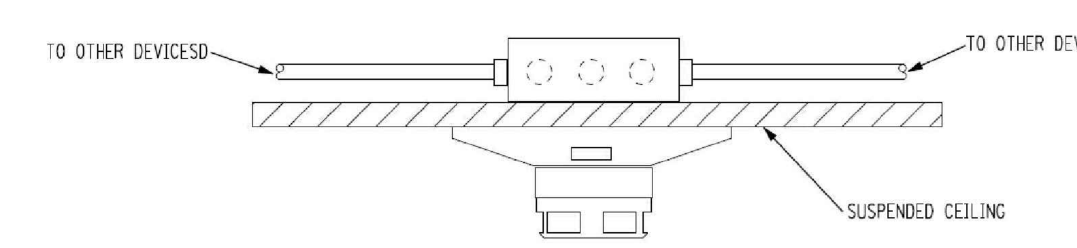
6 E1.4 GROUND CABLE STUD UP AT CONC. SLAB
SCALE- N/A



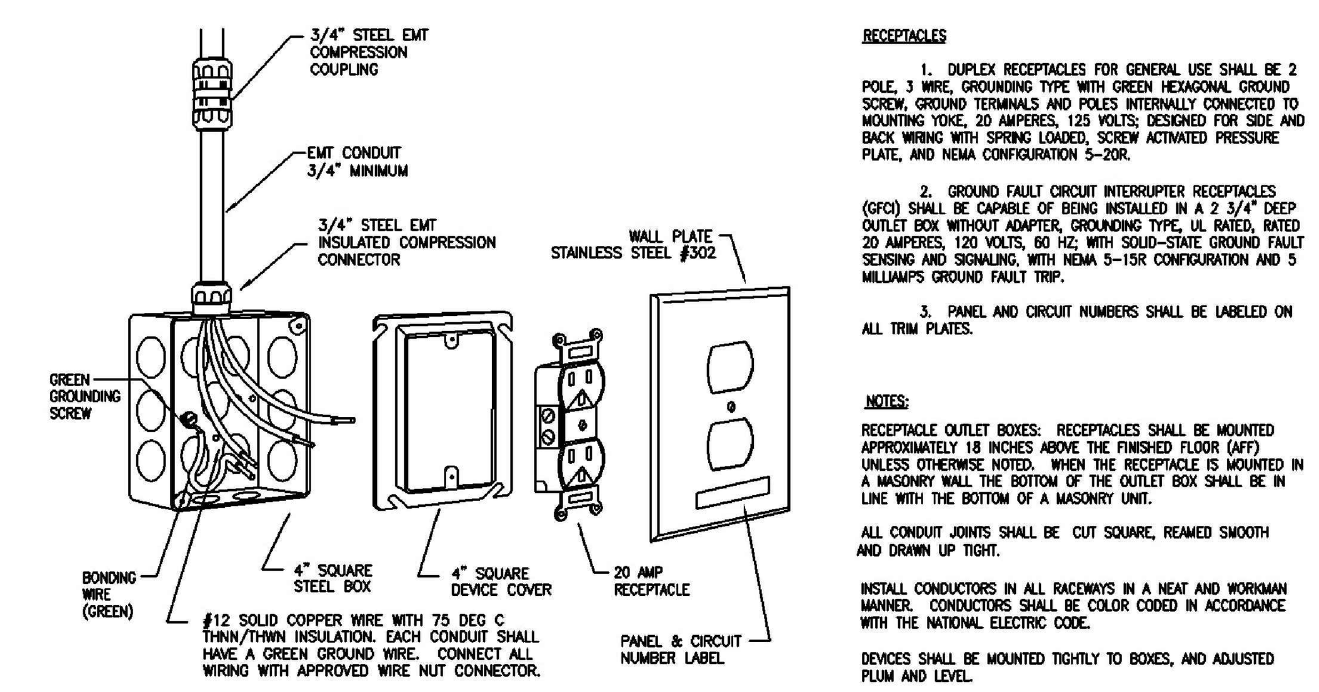
7 E1.4 GROUND CABLE STUD UP AT GRADE
SCALE- N/A



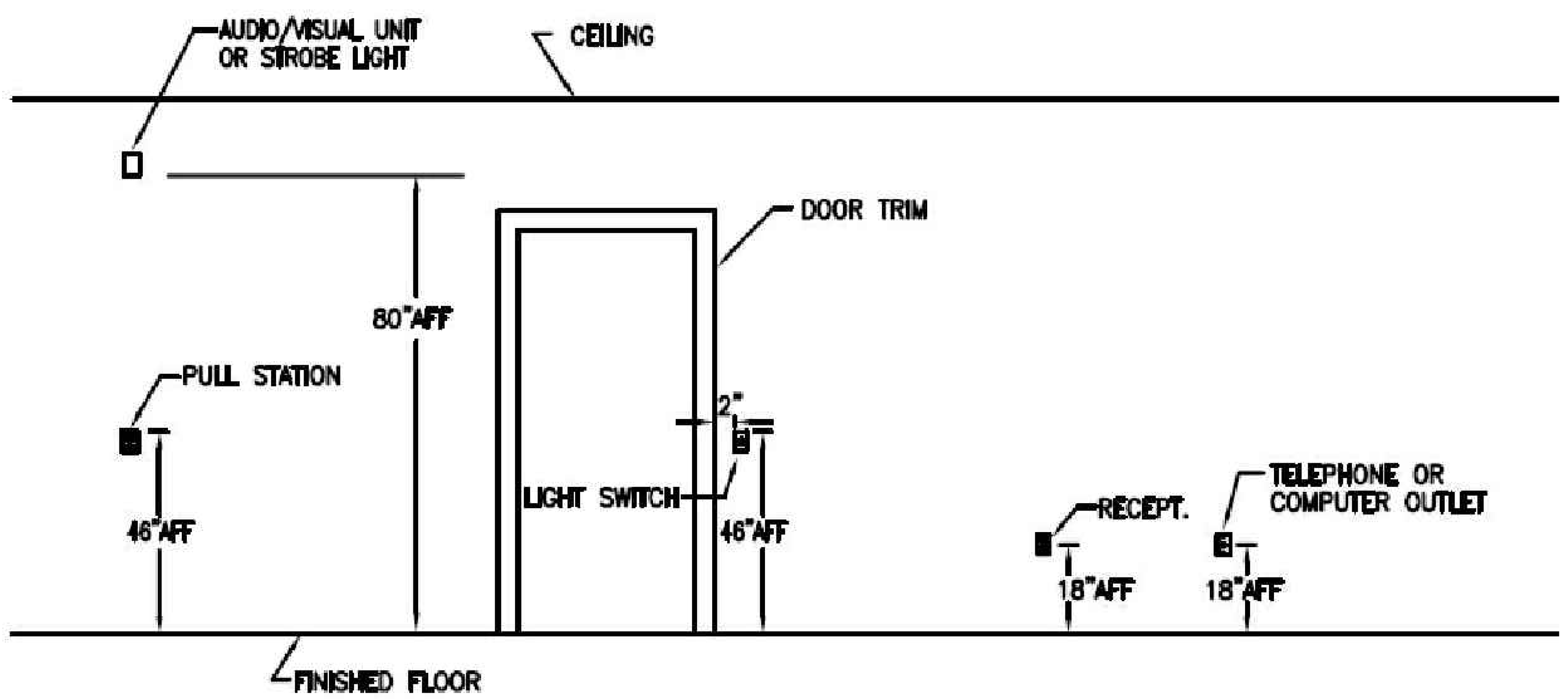
8 E1.4 SWITCH DETAIL TYP.
SCALE- N/A



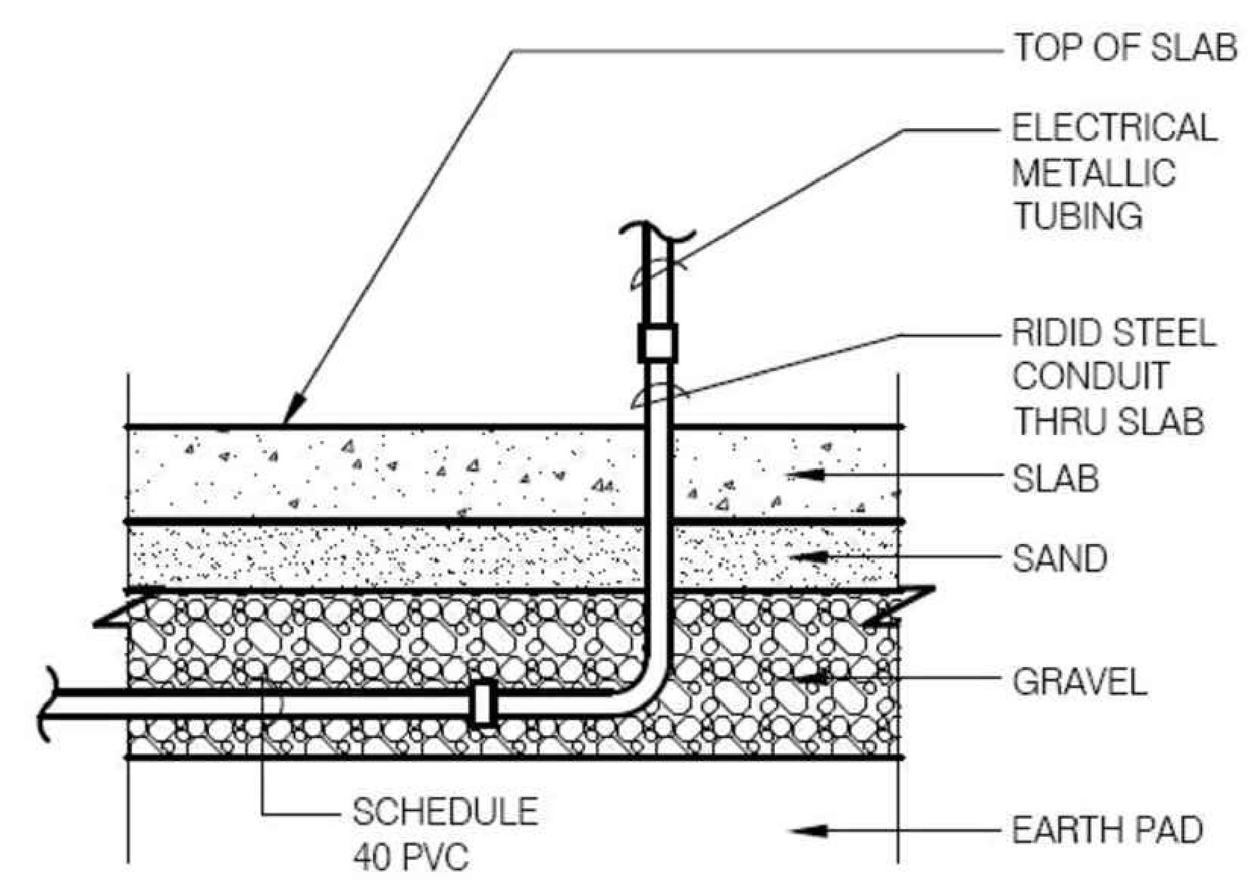
9 E1.4 SMOKE HEAT DETECTOR
SCALE- N/A



10 E1.4 RECEPTACLE DETAIL TYP.
SCALE- N/A



11 E1.4 TYP. SWITCH MOUNTING DETAIL
SCALE- N/A



12 E1.4 UNDER SLAB CONDUIT
SCALE- N/A

General Notes

PLEASE NOTE:

STATE OF KENTUCKY ERIC N. WOOLDRIDGE 25773 LICENSED PROFESSIONAL ENGINEER
1-14-21

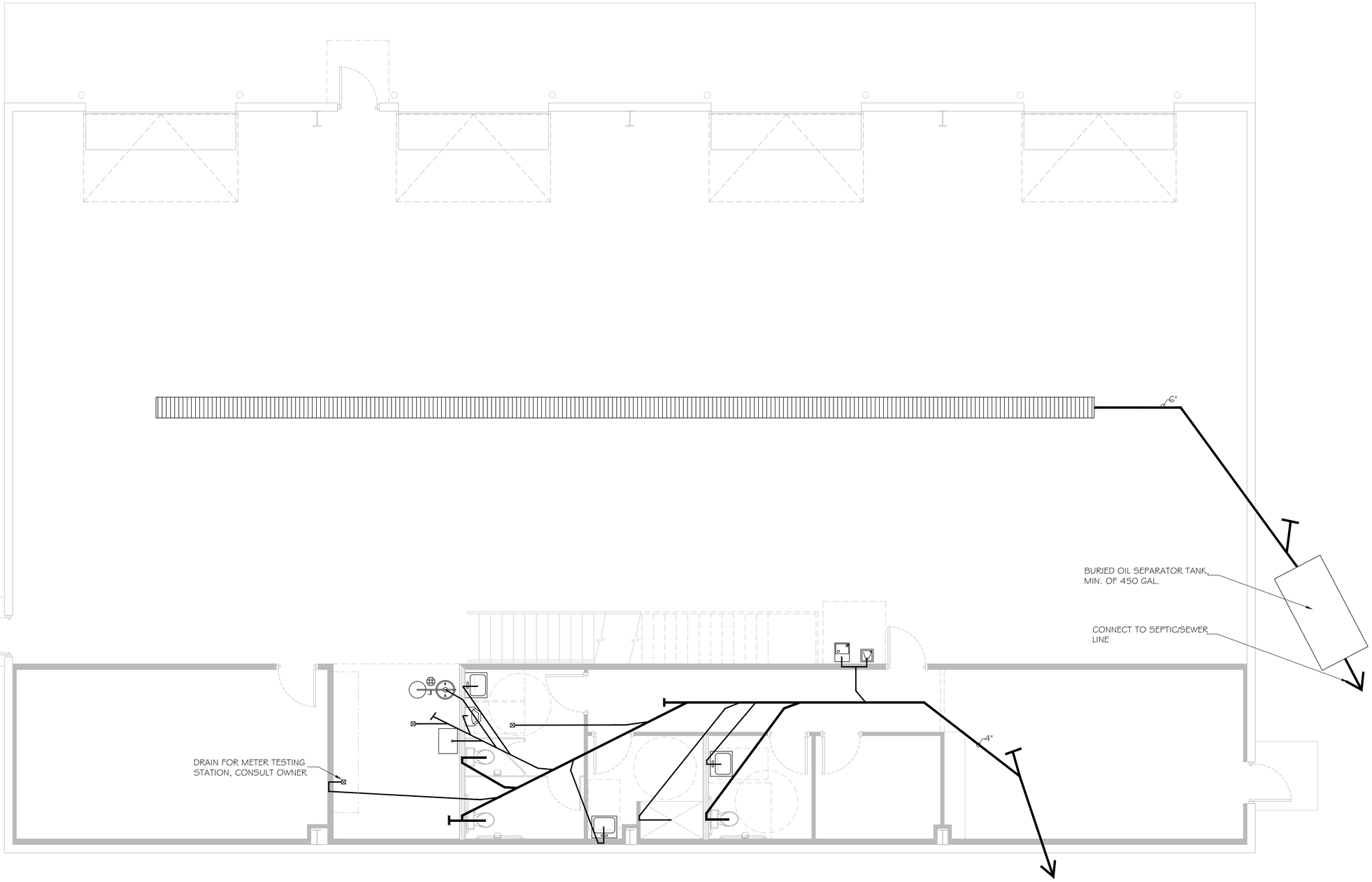
	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS
SE WATER OFFICE
NEW SHOP/GARAGE
PULASKI CO. KY

SHEET NAME
ELECTRICAL DETAILS

PROJECT NUMBER 1519
DATE: 1-14-21
SCALE AS NOTED
SHEET E1.4



1 P1.0 PLUMBING PLAN

SCALE- 1/8" = 1'

General Notes

PLEASE NOTE:

STATE OF KENTUCKY · ERIC N. WOOLDRIDGE 25775 LICENSED PROFESSIONAL ENGINEER ·

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

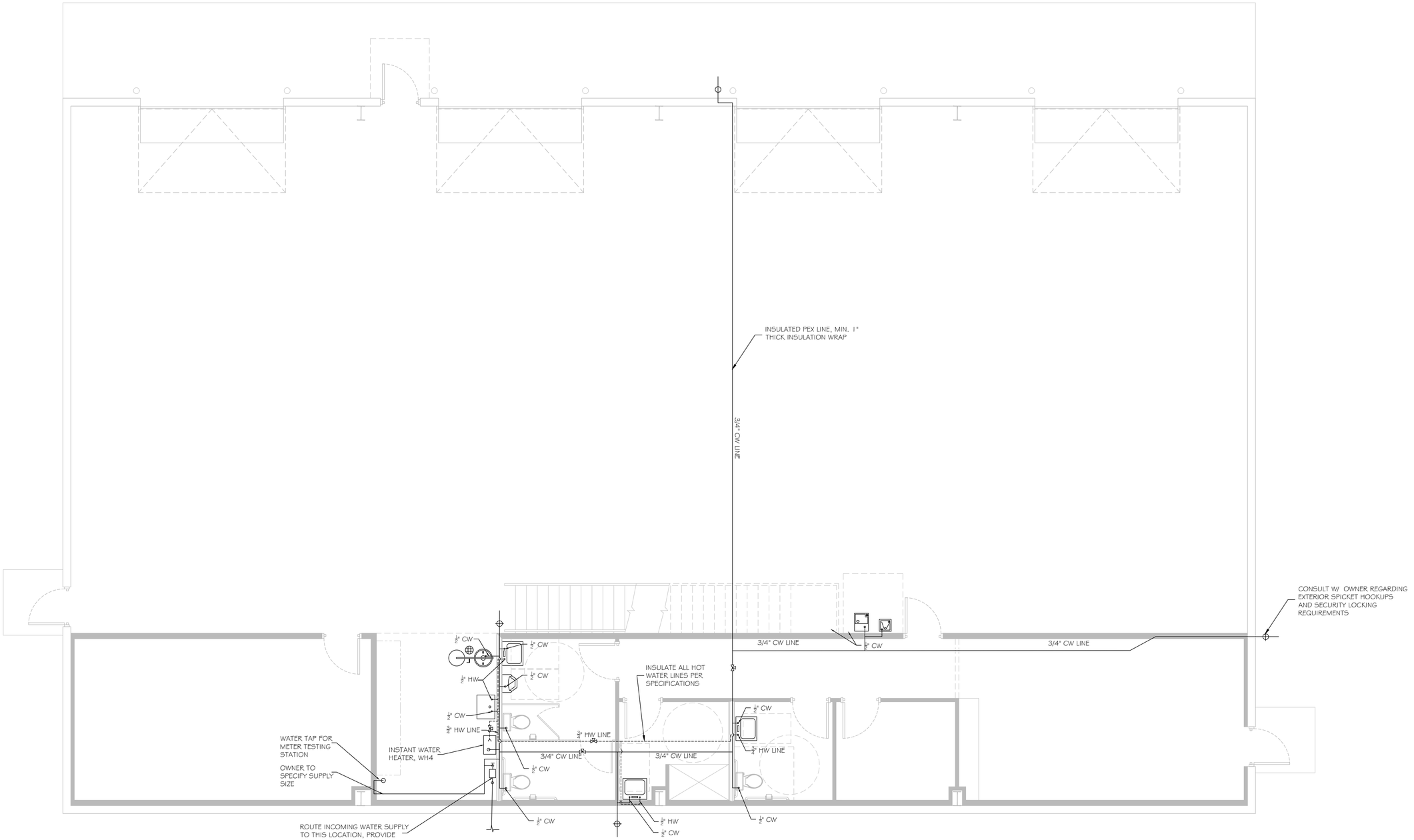
SE WATER OFFICE
NEW BUILDING

PULASKI CO. KY

SHEET NAME

PLUMBING PLAN

PROJECT NUMBER	SHEET
1519 B	P1.0
DATE: 1-14-21	
SCALE AS NOTED	



1 / P1.0 DOMESTIC WATER LINE

SCALE- 1/4" = 1'

General Notes

PLEASE NOTE:

ERIC N. WOOLDRIDGE 25775 LICENSED PROFESSIONAL ENGINEER STATE OF KENTUCKY

1-14-21

No.	Revision/Issue	Date

Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

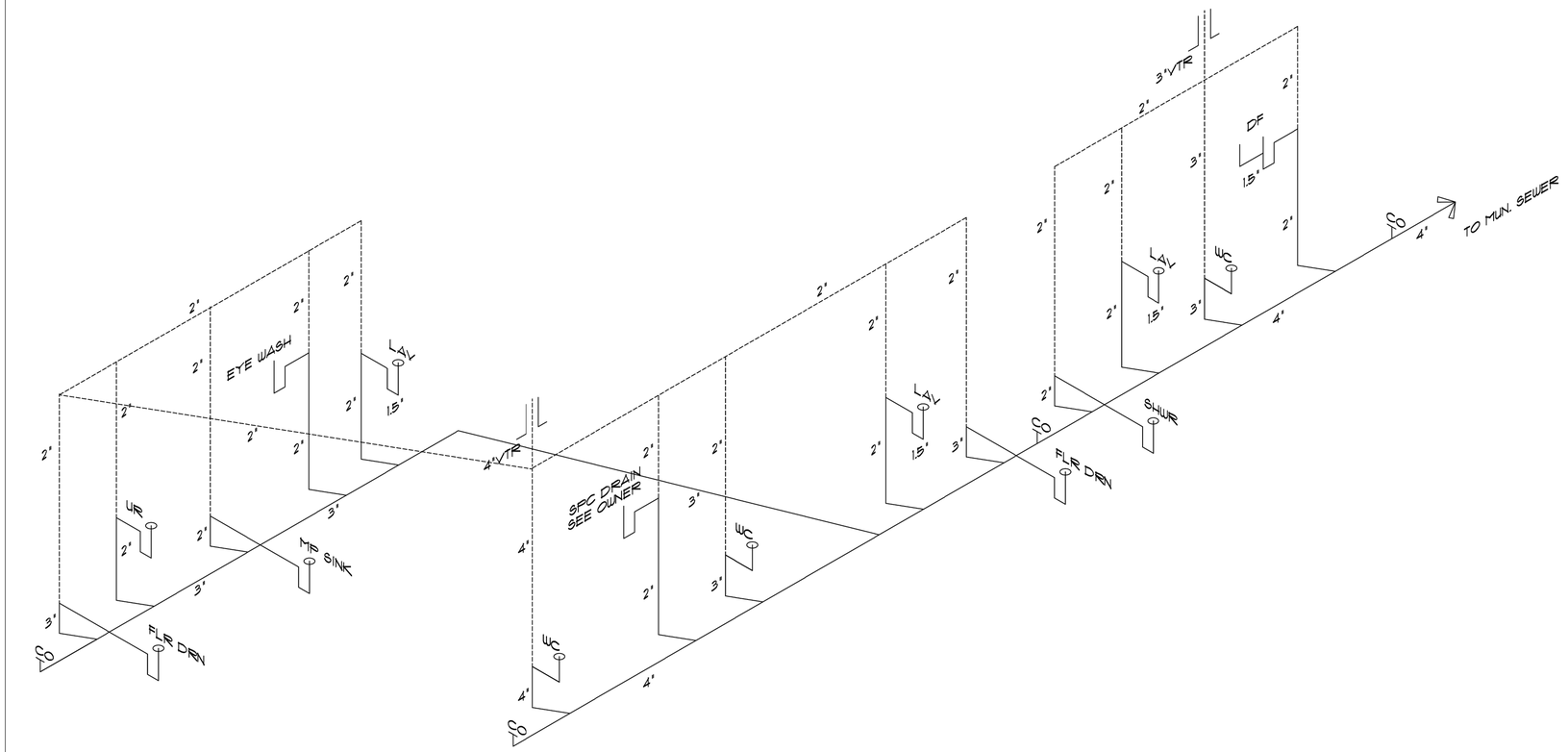
SE WATER OFFICE
NEW BUILDING

PULASKI CO. KY

SHEET NAME

DOMESTIC WATER LINE

PROJECT NUMBER	SHEET
1519 B	P1.1
DATE: 1-14-21	
SCALE AS NOTED	



1 P1.2 RISER DIAGRAM

SCALE- N/A

General Notes

PLEASE NOTE:

STATE OF KENTUCKY
ERIC N. WOOLDRIDGE
25773
LICENSED
PROFESSIONAL ENGINEER

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC

Engineering for
Architectural • Mechanical
Systems

Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

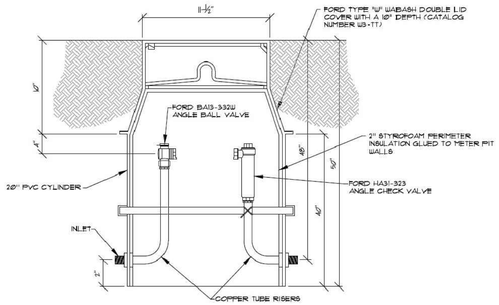
SE WATER OFFICE
NEW BUILDING

PULASKI CO. KY

SHEET NAME

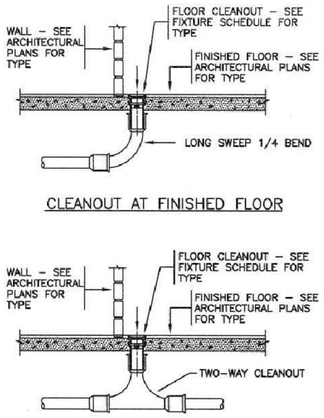
RISER DIAGRAM

PROJECT NUMBER	SHEET
1519	P1.2
DATE: 1-14-21	
SCALE AS NOTED	



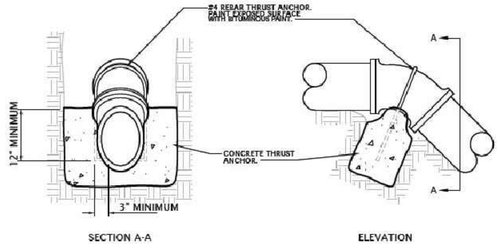
1 / P1.3 WATER METER PIT DETAIL

SCALE- N/A



2 / P1.3 CLEANOUT AT FINISHED FLOOR

SCALE- N/A



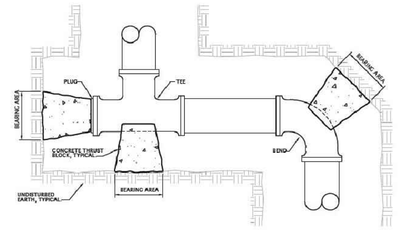
VERTICAL CHANGE IN DIRECTION

PIPE SIZE	VERTICAL CHANGE ANCHOR							
	90° BEND		45° BEND		22-1/2° BEND		11-1/4° BEND	
	CONCRETE CU. YD.	NO. BARS	CONCRETE CU. YD.	NO. BARS	CONCRETE CU. YD.	NO. BARS	CONCRETE CU. YD.	NO. BARS
6"	2.0	2	1.0	1	1.0	1	1.0	1
8"	3.5	4	2.0	2	1.0	1	1.0	1
10"	5.5	6	3.0	3	1.5	2	1.0	1
12"	8.0	8	4.5	5	2.5	3	2.0	2

THE CONCRETE AND STEEL REQUIRED FOR ALL FITTINGS NOT LISTED SHALL BE THE SAME AMOUNT AS REQUIRED FOR THE 22-1/2° BENDS. THE SPACING FOR MULTIPLE REBAR ANCHORS SHALL BE 2' O.C.

3 / P1.3 THRUST BLOCK DETAIL

SCALE- N/A



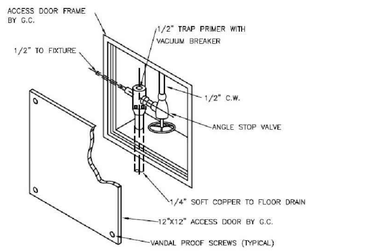
HORIZONTAL CHANGE IN DIRECTION

PIPE SIZE	THRUST BLOCK BEARING AREA				
	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	PLUG & TEE
4"	2 SQ. FT.	1 SQ. FT.	1 SQ. FT.	1 SQ. FT.	1 SQ. FT.
6"	3 SQ. FT.	2 SQ. FT.	1 SQ. FT.	1 SQ. FT.	2 SQ. FT.
8"	5 SQ. FT.	3 SQ. FT.	2 SQ. FT.	1 SQ. FT.	3 SQ. FT.
10"	7 SQ. FT.	4 SQ. FT.	2 SQ. FT.	2 SQ. FT.	5 SQ. FT.
12"	12 SQ. FT.	7 SQ. FT.	4 SQ. FT.	3 SQ. FT.	8 SQ. FT.

BLOCKING OF TEES IS TO BE PLACED OPPOSITE THE BRANCH AND AREA IS BASED ON BRANCH SIZE.

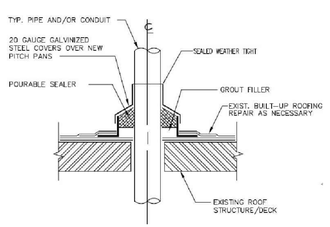
4 / P1.3 THRUST BLOCK DETAIL

SCALE- N/A



5 / P1.3 PLUMBING ACCESS DOOR

SCALE- N/A

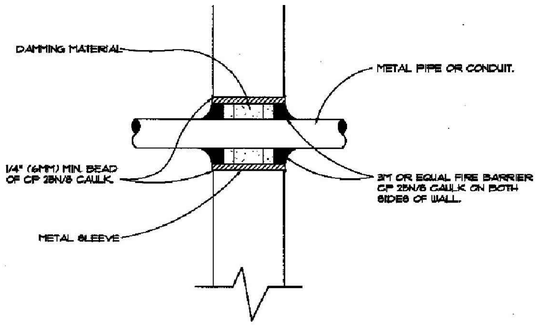


6 / P1.3 PLUMBING ROOF VENT

SCALE- N/A

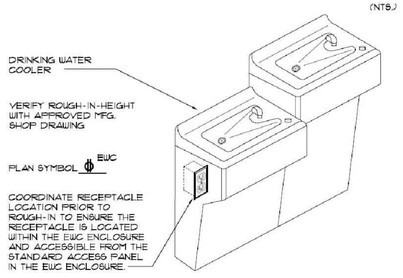
7 / P1.3 SANITARY SEWER TRENCH

SCALE- N/A



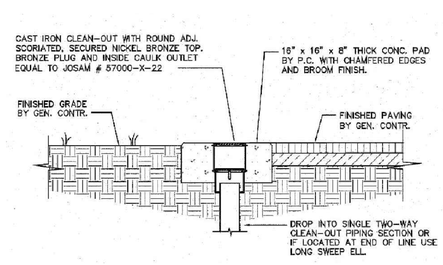
8 / P1.3 PIPE/CONDUIT FIRE STOP DETAIL

SCALE- N/A



9 / P1.3 WATER COOLER WIRING DETAIL

SCALE- N/A



10 / P1.3 GRADE CLEAN-OUT STANDARD UNIT

SCALE- N/A

General Notes

PLEASE NOTE:

1-14-21

No.	Revision/Issue	Date

WDS
Wooldridge Design Services, PLLC
Engineering for Architectural • Mechanical Systems
Eric N. Wooldridge, P.E.
512 Hwy 300
Stanford, KY 40484
606.365.8070
606.669.0612 (cell)
eric.wds@gmail.com

PROJECT NAME AND ADDRESS

SE WATER OFFICE
NEW SHOP/GARAGE

PULASKI CO. KY

SHEET NAME

PLUMBING DETAILS

PROJECT NUMBER	SHEET
1519	P1.3
DATE: 1-14-21	
SCALE AS NOTED	