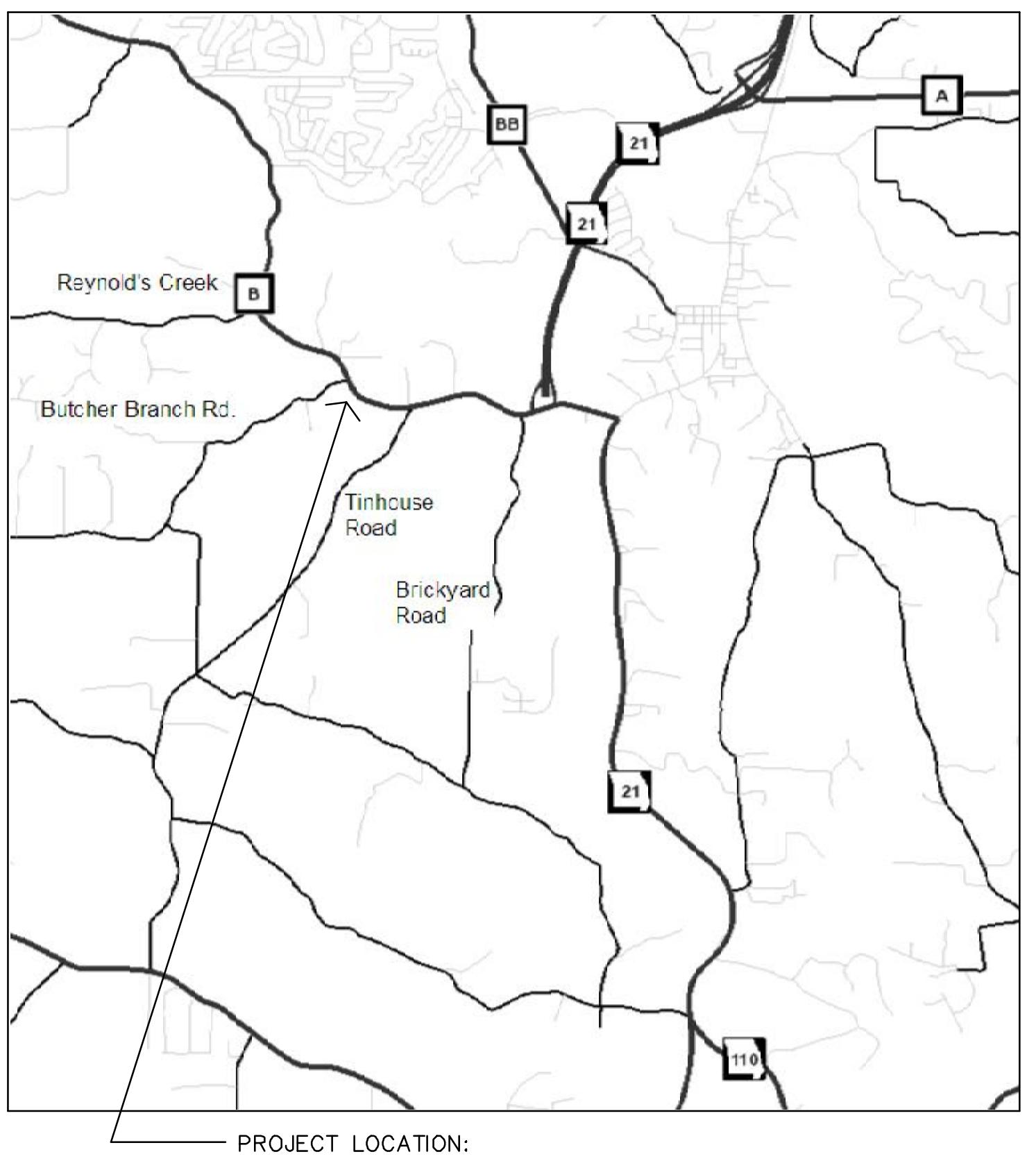


Construct & Equip a New Light Fleet Vehicle Maintenance Facility; Jefferson County, Missouri - Public Works Dept.

Hillsboro, MO

Public Works Project #: PW14B005BLD

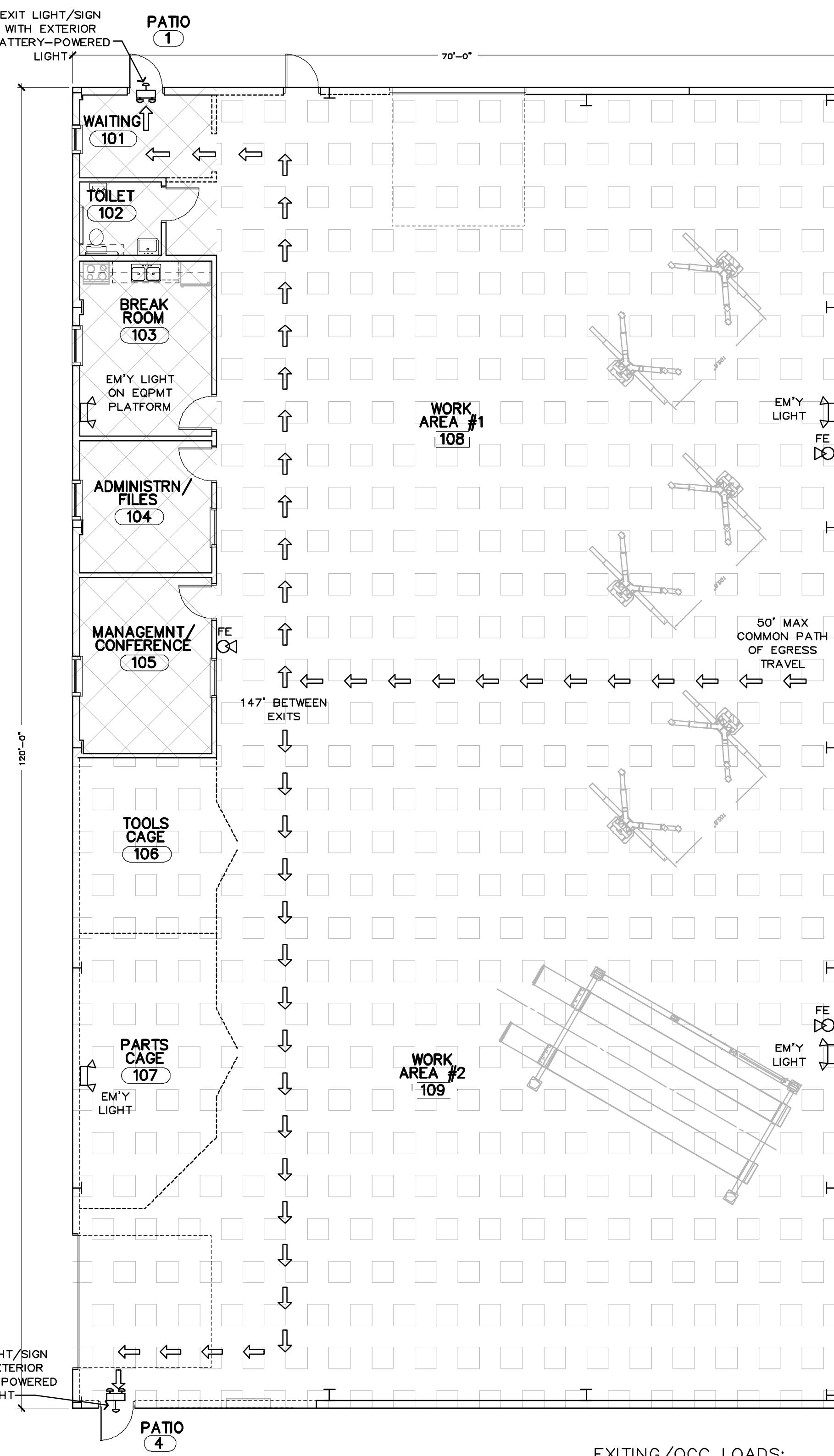


List of Drawings:

G-1 COVER, CODE REVIEW, OCCUPANCY/EXISTING
 A-1 FLOOR PLANS, ENLARGED PLANS, INTERIOR ELEVATIONS, DOOR SCHEDULE
 A-2 EXTERIOR ELEVATIONS & WINDOW SCHEDULE
 A-3 BUILDING SECTIONS & WALL DETAILS
 A-4 CEILING PLANS, INTERIOR FINISHES
 A-5 ROOF PLAN & EQUIPMENT PLAN
 S-001 STRUCTURAL NOTES/SPECIFICATIONS
 S-101 STRUCTURAL DETAILS
 S-201 FOOTING/FOUNDATION PLAN, DETAILS
 M-1 HVAC PLAN
 M-2 PLUMBING PLAN
 E-1 LIGHTING PLAN
 E-2 POWER PLAN
 C-1 CIVIL ENGINEER'S TITLE SHEET
 C-2 DEMOLITION PLAN
 C-3 SITE GRADING PLAN
 C-4 SITE UTILITIES PLAN
 C-5 CONSTRUCTION DETAILS
 C-6 DRAINAGE AREA PLAN

Other Documents:

GEO-TECHNICAL INVESTIGATION, REPORT: SCI ENGINEERING; JUNE 20, 2014
 SEE PROJECT MANUAL



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BUILDING CODE REVIEW:

CHAPTER 3
 USE & OCCUPANCY CLASSIFICATION
 SINGLE USAGE: S-1 MODERATE HAZARD
 (MOTOR VEHICLE REPAIR GARAGE)
 TOTAL GROSS FLOOR AREA: 595 SF (795 SF - 200 SF OCCUPANCY SPACE (OFFICES))
 INCLUDES EQUIPMENT PLATFORM ABOVE OFFICES, 595 SF (795 SF - 200 SF OCCUPANCY SPACE (OFFICES))
 NO SEPARATION OF USES REQUIRED (508.2.4).

SECTION 406

SPECIAL USE REQUIREMENTS FOR MOTOR VEHICLE RELATED OCCUPANCIES

FOLLOW REQUIREMENTS OF INTERNATIONAL FIRE CODE (2009) SECTIONS 406.6.1 THROUGH 406.6.6.

NO MOTOR FUEL DISPENSING IN BUILDING

MECHANICAL VENTILATED PER INTERNATIONAL MECHANICAL CODE;

VENTILATION SYSTEM CONTROLLED BY

SWITCH AT ENTRANCE TO GARAGE;

NO VEHICLES USING NON-ODORIZED GASES UNLESS GAS DETECTION SYSTEM IS ADDED.

TABLE 503

GENERAL HEIGHT & AREA LIMITATIONS

MAXIMUM BUILDING AREA = 17,500 SF

2 STORIES MAX

SECTION 505.5

EQUIPMENT PLATFORM

MAX TWO THIRDS AREA OF ROOM IT IS

CONTAINED IN (SEVEN PERCENT PROPOSED)

SECTION 508.2.4

NO SEPARATION BETWEEN MAIN USE AND

ACCESSORY USES REQUIRED

TABLE 601

CONSTRUCTION TYPE: II-B
 (NON-COMBUSTIBLE, UN-PROTECTED)

TABLE 602

FIRE RESISTANCE REQUIREMENTS FOR

EXTERIOR WALLS

FIRE SEPARATION DISTANCE TO OTHER

BUILDING IS GREATER THAN 30', SO NO

FIRE RESISTANCE RATING REQUIRED FOR

EXTERIOR WALLS.

7.1

FIREBLOCKING AND DRAFTSTOPPING NOT

APPLICABLE IN NON-COMBUSTIBLE

CONSTRUCTION.

TABLE 803.9

WALL AND CEILING FINISHES

NO EXIT ENCLOSURES OR EXIT PASSAGeways

ROOMS & ENCLOSED SPACES REQUIRE TYPE C

FINISHES OR BETTER

804.4

INTERIOR FLOOR FINISH REQUIREMENTS

NOT LESS THAN CLASS II.

903

AUTOMATIC SPRINKLER SYSTEM NOT

REQUIRED

NO S-1 FIRE AREA EXCEEDING 12,500 SF;

NO S-1 FIRE AREA EXCEEDING 5,000 SF

USED FOR STORAGE OF COMMERCIAL TRUCKS

OR BUSES.

TABLE 906.3(1)

PORTABLE FIRE EXTINGUISHERS FOR CLASS

A FIRE HAZARDS THREE (SEE

OCCUPANCY/EXISTING PLAN FOR LOCATIONS)

907

NO FIRE ALARM SYSTEM REQUIRED

TABLE 1004.1.1

OCCUPANT LOAD CALCULATION

OFFICE/PUBLIC SPACE: 795 SF at 100sf /

OCCUPANT: B OCC'S

WORK/STORAGE SPACE: 7,605 SF at 30sf /

OCC: 26 OCC'S

TOTAL CALCULATED OCCUPANT LOAD: 34

1006

ILLUMINATION OF MEANS OF EGRESS

PROVIDE MINIMUM 1 FOOTCANDLE AT THE

WALKING SURFACE.

LIGHTS SHALL BE POWERED BY BATTERIES

OR OTHER EMERGENCY POWER FOR NO LESS

THAN 90 MINUTES.

1008.1.7

THRESHOLDS SHALL NOT EXCEED ONE HALF

INCHES HIGH

1008.1.9.2

HARDWARE HEIGHT

DOOR HANDLES, PULLS, LATCHES, LOCKS

AND OTHER OPERATING DEVICES SHALL BE

INSTALLED 34 INCHES MINIMUM

AND 48 INCHES MAXIMUM ABOVE

THE FINISHED FLOOR. LOCKS USED ONLY

FOR SECURITY PURPOSES AND NOT USED FOR

NORMAL OPERATION ARE PERMITTED AT ANY

HEIGHT

1008.1.10

PANIC HARDWARE NOT REQUIRED FOR S-1

OCCUPANCIES

1014.3

MAX COMMON PATH OF EGRESS TRAVEL = 75'

TABLE 1016.1

EXIT ACCESS TRAVEL DISTANCE = 200'

TABLE 1604.3

FLOOR MEMBER DEFLECTION LIMITS

(APPLIES TO FLOOR EQUIPMENT

PLATFORM ABOVE OFFICES; LIVE LOAD

>1/160; TOTAL LOAD <1/240)

CEILING MEMBER DEFLECTION LIMITS

(APPLIES TO CEILINGS IN OFFICE AREA);

LIVE LOAD <1/240; TOTAL LOAD >1/160)

TABLE 1604.5

OCCUPANCY CATEGORY = I

TABLE 1607.1

REQUIRED FLOOR LOADS FOR

ELEVATED PLATFORM (EQUIPMENT PLATFORM

ABOVE OFFICE AREA): 60 sf ULL

FIGURE 1608.2

ROOF SNOW LOAD = 20 psf

SECTION 1609

BASIC WIND LOAD = 90 mph

PERMIT ISSUERS:

JEFFERSON COUNTY (MO) BUILDING DEPT.

PO BOX 100

HILLSBORO, MO 63050-0100

(636) 797-5310

JEFFERSON COUNTY (MO) PLANNING

DEPT.

PO BOX 100

HILLSBORO, MO 63050-0100

(636) 797-5580

UTILITIES:

NATURAL GAS: MISSOURI NATURAL GAS

ELECTRICITY: AMEREN MISSOURI

WATER: PRIVATE WELL

SEWER: PRIVATE, ON-SITE SEPTIC

TELEPHONE: AT&T

APPLICABLE CODES:

INTERNATIONAL CODE COUNCIL (2009):

INT'L BUILDING CODE, INT'L FUEL GAS CODE,

INT'L FIRE CODE, INT'L MECHANICAL CODE,

INT'L ENERGY CODE AND INT'L PLUMBING

CODE, NFPA NATIONAL ELECTRIC CODE 2008

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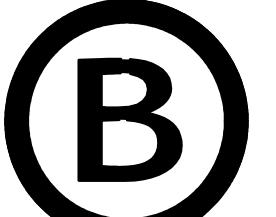
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Steven J. Bacon
Architect
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Structural Engineer:
Frontenac Engineering
(314) 644-2200

Project Consultants

JEFFERSON CO.
(MISSOURI)
PUBLIC WORKS
DEPARTMENT
Jason Jonas, P.E.
Director

New Light Fleet
Maintenance
Facility
Highway B
Hillsboro, MO

COMMISSION

FLOOR PLANS,
ENLARGED PLANS,
AND INTERIOR
ELEVATIONS

SHEET NUMBER

A-1
OF 5

ABBREVIATIONS:

AFF ABOVE FINISHED FLOOR
NIC NOT IN CONTRACT
USC UNDER SEPARATE CONTRACT
VTR VENT THROUGH ROOF
D.S. DOWNSPOUT
VCT VINYL COMPOSITION TILE
G.B. GYPSUM BOARD
CFM CUBIC FEET/MINUTE

APPLICABLE CODES:

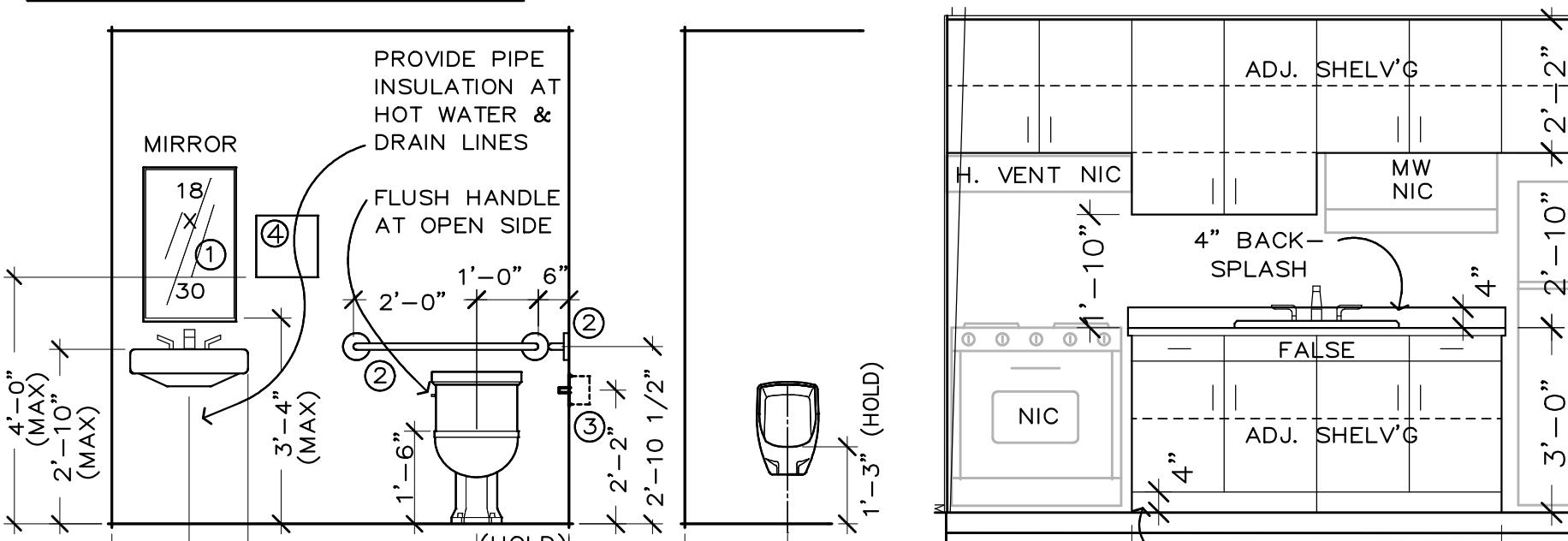
INTERNATIONAL CODE COUNCIL (2009):
INT'L BUILDING CODE, INT'L FUEL GAS CODE,
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INT'L ENERGY CODE AND INT'L PLUMBING
CODE
NFPA NATIONAL ELECTRIC CODE 2008

DOOR & HARDWARE SCHEDULE										
M#	SIZE	ROOM	EXTER	INTER	WALL	PANIC	CLOSER	STOP	FUNCTION	NOTES
1	3'-0" x 7'-0"	101	X		PEMB	NO	YES	YES	ENTRY	
2	3'-0" x 7'-0"	102		X	FRAMED/GB	NO	YES	YES	PRIVACY	
3	3'-0" x 7'-0"	103		X	FRAMED/GB	NO	YES	YES	PASSAGE	
4	3'-0" x 7'-0"	104		X	FRAMED/GB	NO	YES	YES	OFFICE	
5	3'-0" x 7'-0"	105		X	FRAMED/GB	NO	YES	YES	OFFICE	
6	3'-0" x 7'-0"	109	X		PEMB	NO	YES	YES	ENTRY	
7	3'-0" x 7'-0"	108	X		PEMB	NA	NA	NA	NA	2)
8	12'-0" x 12'-0"	101	X		FRAMED/GB	NA	NA	NA	NA	3)
9	12'-0" x 12'-0"	108	X		PEMB	NA	OPERATOR	NA	NA	3)
10	12'-0" x 12'-0"	108	X		PEMB	NA	OPERATOR	NA	NA	4)
11 (2)	4'-0" x 8'-0"	106		X	CHAIN LINK	NA	NO	NO	NO	4)
12 (2)	4'-0" x 8'-0"	107	X		PEMB	NA	NA	NA	NA	4)
13	4'-0" x 4'-0"	109	X		PEMB	NA	NA	NA	NA	5)

TOILET ACCESSORIES

SEE SPEC'S SECTION 10-2800

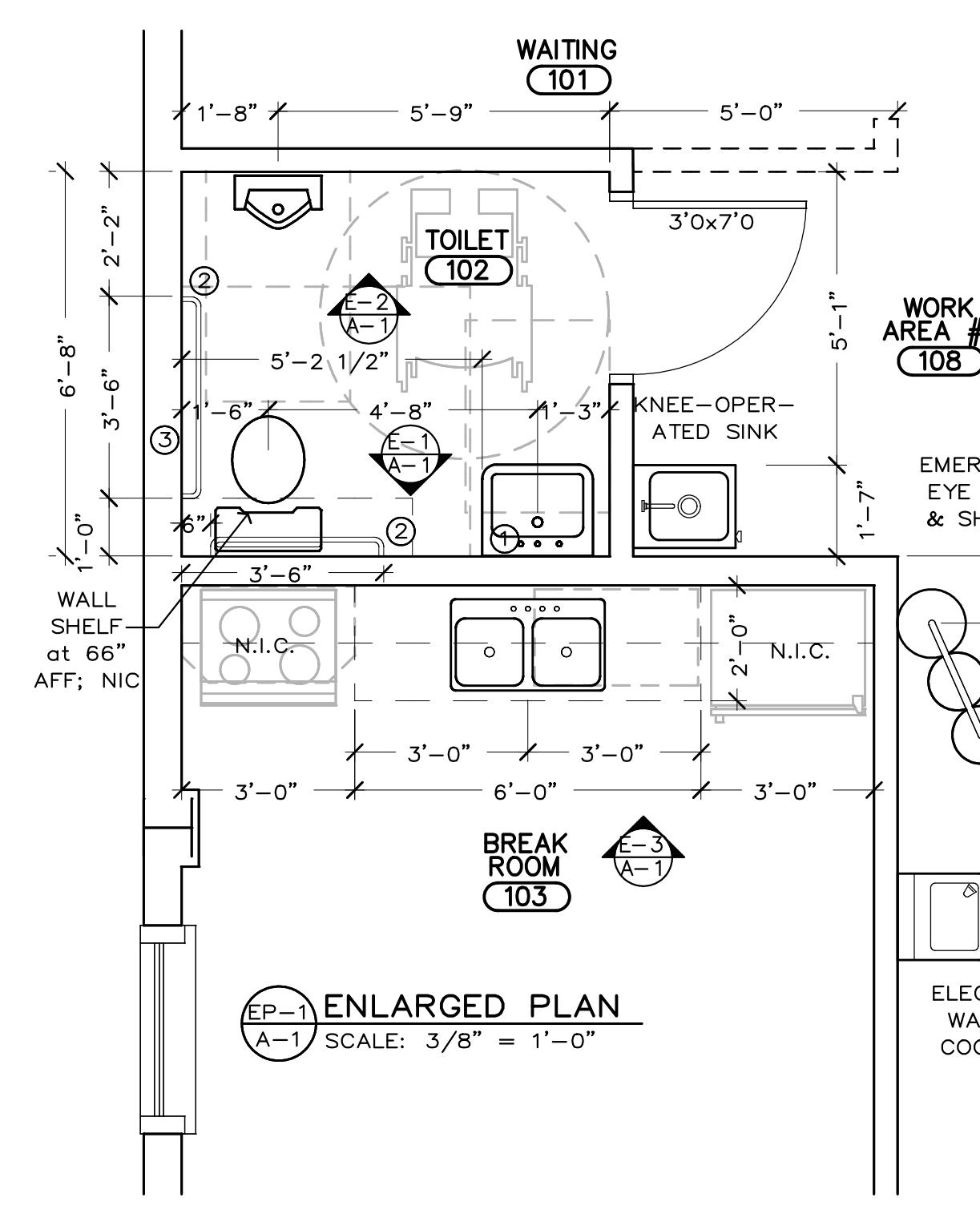
① 18X36 MIRROR; FIXED
② GRAB BARS; 36" & 42"
③ TOILET TISSUE DISPENSER; USC
④ PAPER TOWEL DISPENSER; USC



E-1.2 TOILET ROOM ELEVATION

A-1 SCALE: 3/8" = 1'-0"

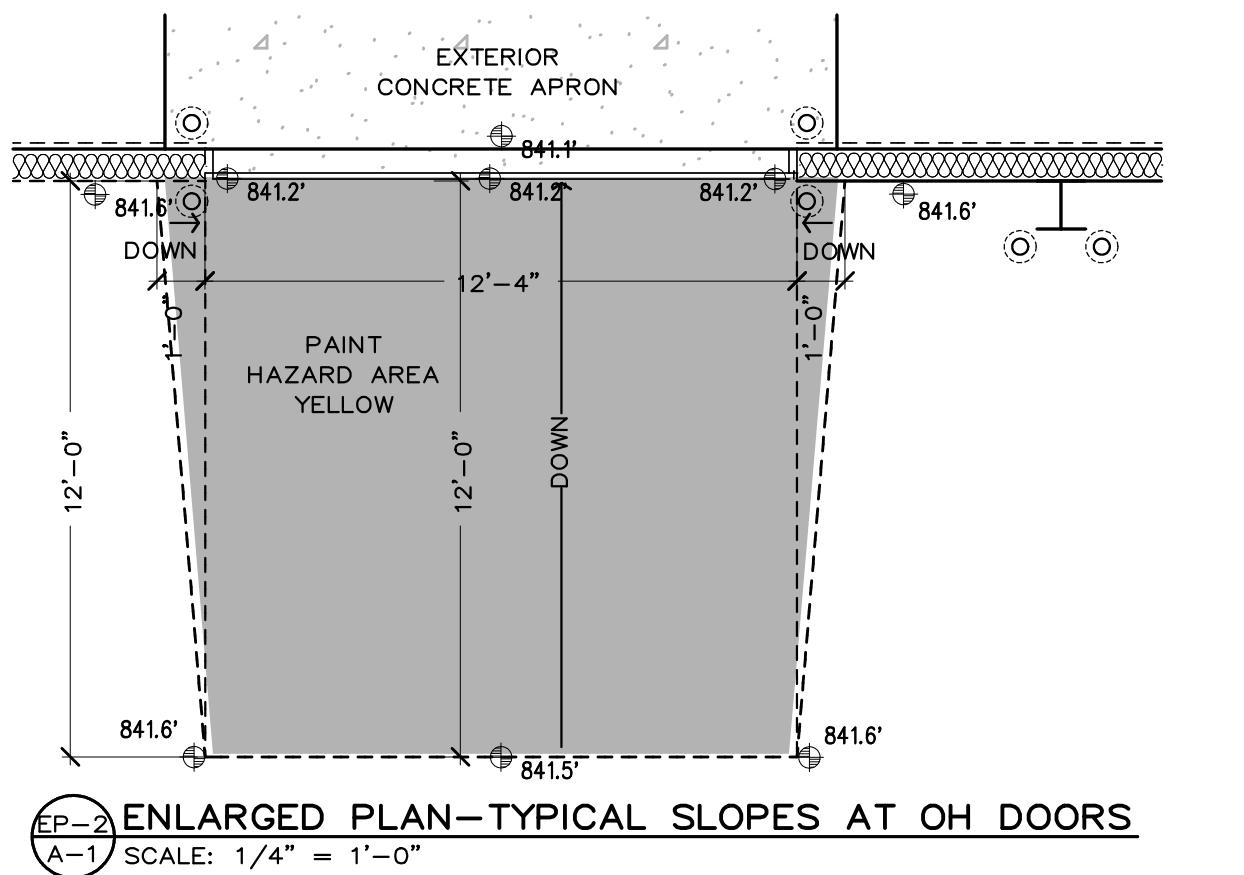
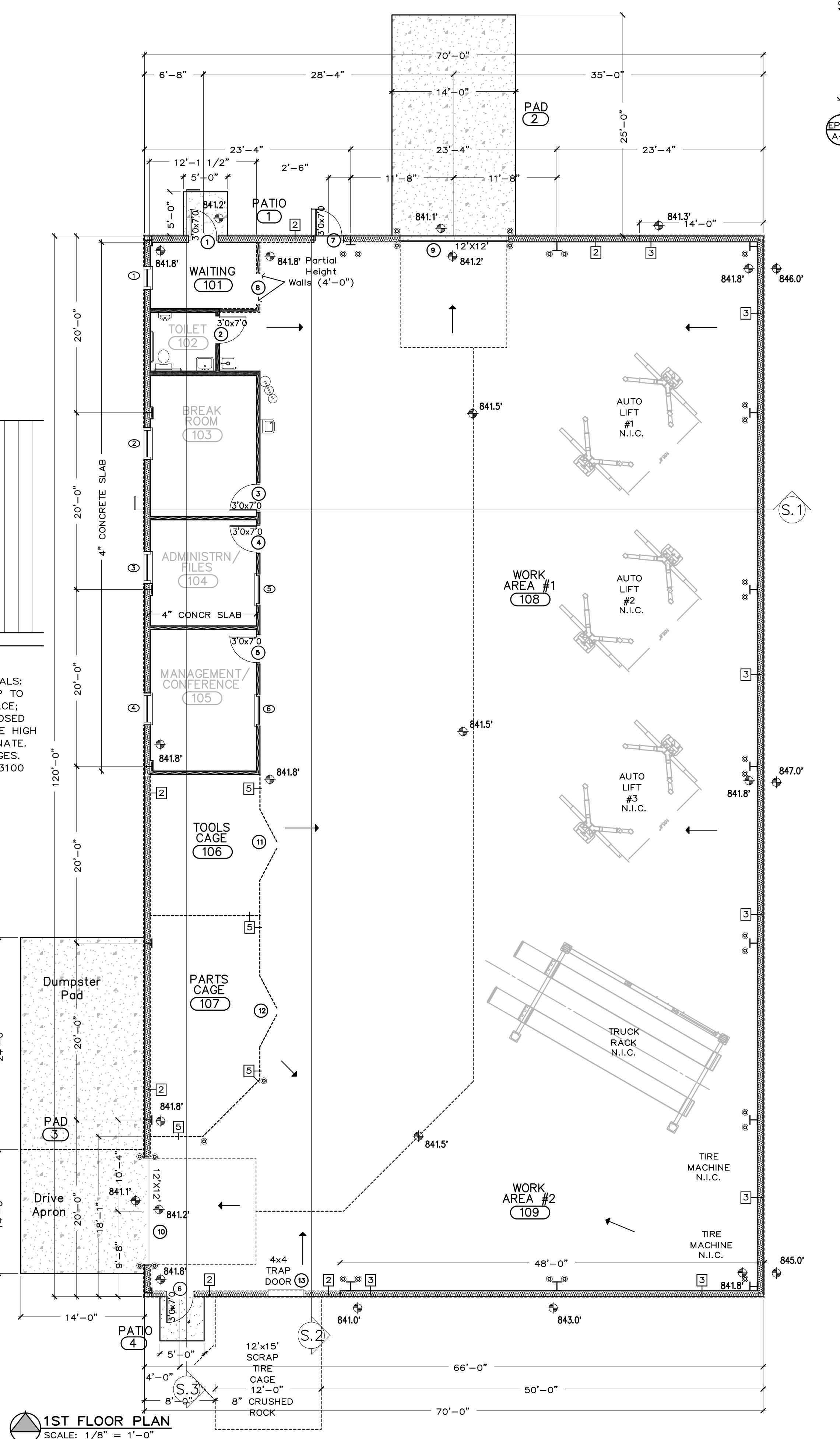
NOTE: SOAP DISPENSER, PAPER TOWEL DISPENSER, WASTE RECEPTACLES N.I.C.



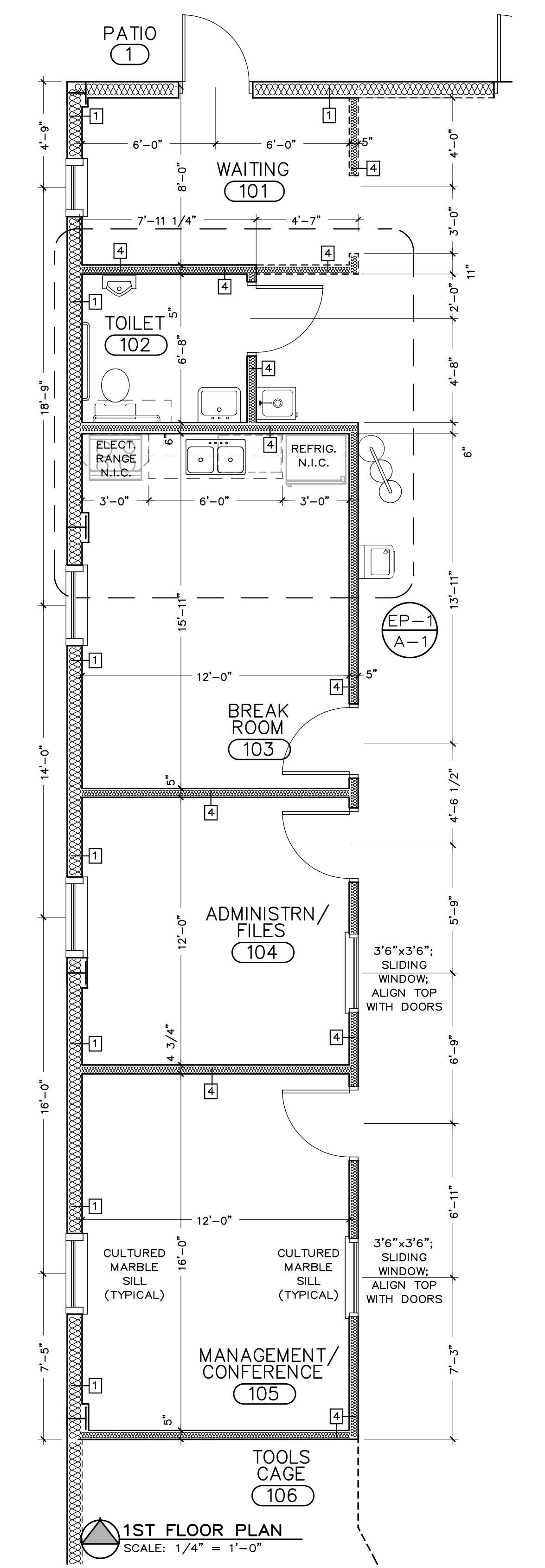
E-3 CABINETS ELEVATION

A-1 SCALE: 3/8" = 1'-0"

CABINET MATERIALS: HORIZONTAL TOP TO BE SOLID SURFACE; ALL OTHER EXPOSED SURFACES TO BE HIGH PRESSURE LAMINATE. CONCEALED HINGES. SEE SPECS 12-3100 & 12-3600



EP-2 ENLARGED PLAN-TYPICAL SLOPES AT OH DOORS
A-1 SCALE: 1/4" = 1'-0"



1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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METAL BUILDING NOTES:

1) GENERAL CONTRACTOR TO INCLUDE SUPPLY AND ERECTION OF PRE-ENGINEERED METAL BUILDING DESCRIBED IN THESE PLANS AND SPECIFICATIONS SECTION 13-3420. GC TO SUBMIT SUPPLIER DETAILS PRIOR TO MATERIAL PURCHASE, INCLUDING STRUCTURAL LAYOUT AND CALCULATIONS, FOR REVIEW AND FURTHER DETAILING BY ARCHITECT AND STRUCTURAL ENGINEER. INCLUDE MANUFACTURER STANDARD DOORS AND WINDOWS WHERE SHOWN ON PLANS.

2) OVERHEAD DOORS TO HAVE ELECTRIC MOTORS WITH REMOTE AND WALL MOUNTED CONTROLS.

3) PMB SUPPLIER TO SUPPLY SNOW/ICE GUARDS/JACKS ACROSS BOTTOMS OF ROOF SLOPES. PROVIDE EVIDENCE OF COMPATIBILITY BETWEEN PROPOSED GUARDS/JACKS AND ROOFING MATERIAL.

MEP Engineer: FF Freiner, P.E. (314) 843-7157
 Civil/Site Engineer David Vonarx, P.E. (314) 952-5038
 Structural Engineer: Frontenac Engineering (314) 644-2200
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 JEFFERSON CO. (MISSOURI) PUBLIC WORKS DEPARTMENT Jason Jonas, P.E. Director

New Light Fleet Maintenance Facility Highway B Hillsboro, MO

COMMISSION
 EXTERIOR ELEVATIONS and WINDOW SCHEDULE
 SHEET TITLE
 SHEET NUMBER
 A-2
 OF 5
 APPlicable CODES:
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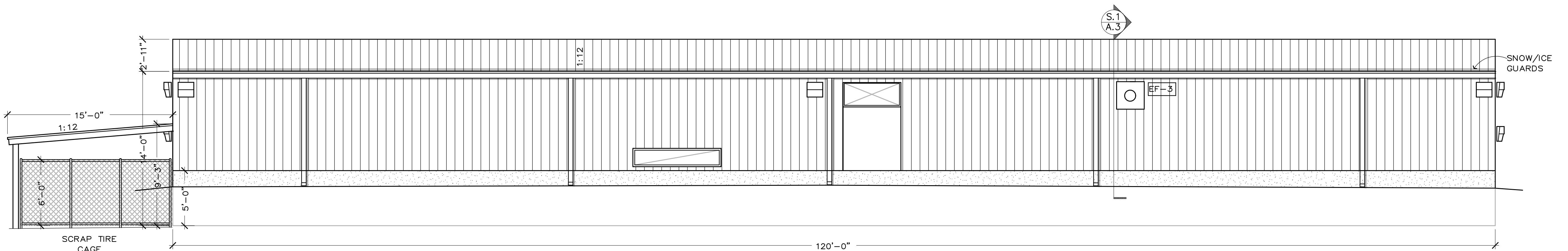
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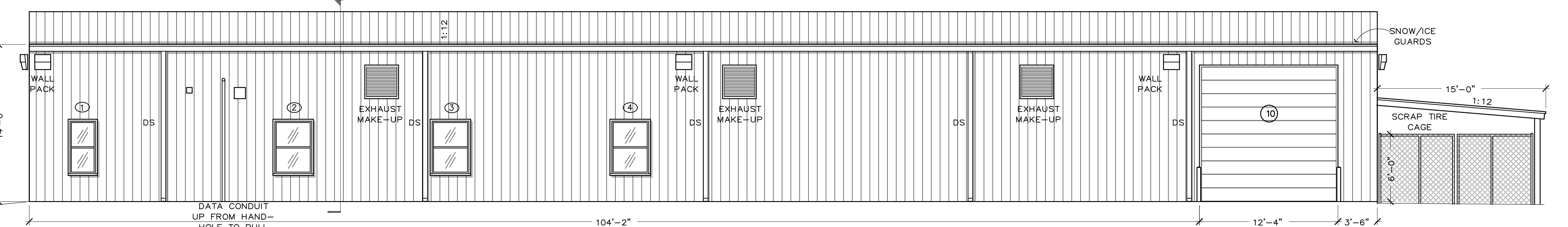
GENERAL NOTES: 13-091 DRAWN BY mjb CHECKED BY SJB DATE 02/04/2015 BIDDING & PERMIT REVIEW DOCUMENTS Status/Revised Steven J. Bacon Architect MO Lic: #007402 B BACON COMMERCIAL DESIGN LLC ARCHITECTURAL & INTERIOR DESIGN po box 605 crystal city mo 63019 (636) 933-0007 corporate authority certificate #: 2006007290

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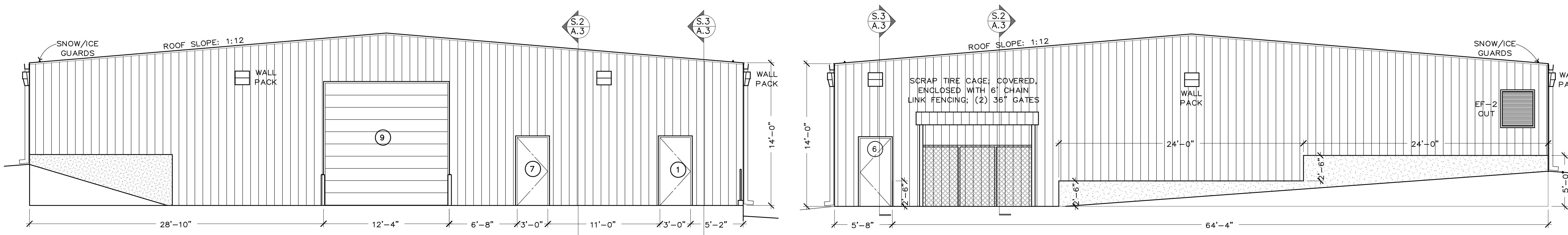
EAST ELEVATION

SCALE: 3/16" = 1'-0"



WEST ELEVATION

SCALE: 3/16" = 1'-0"

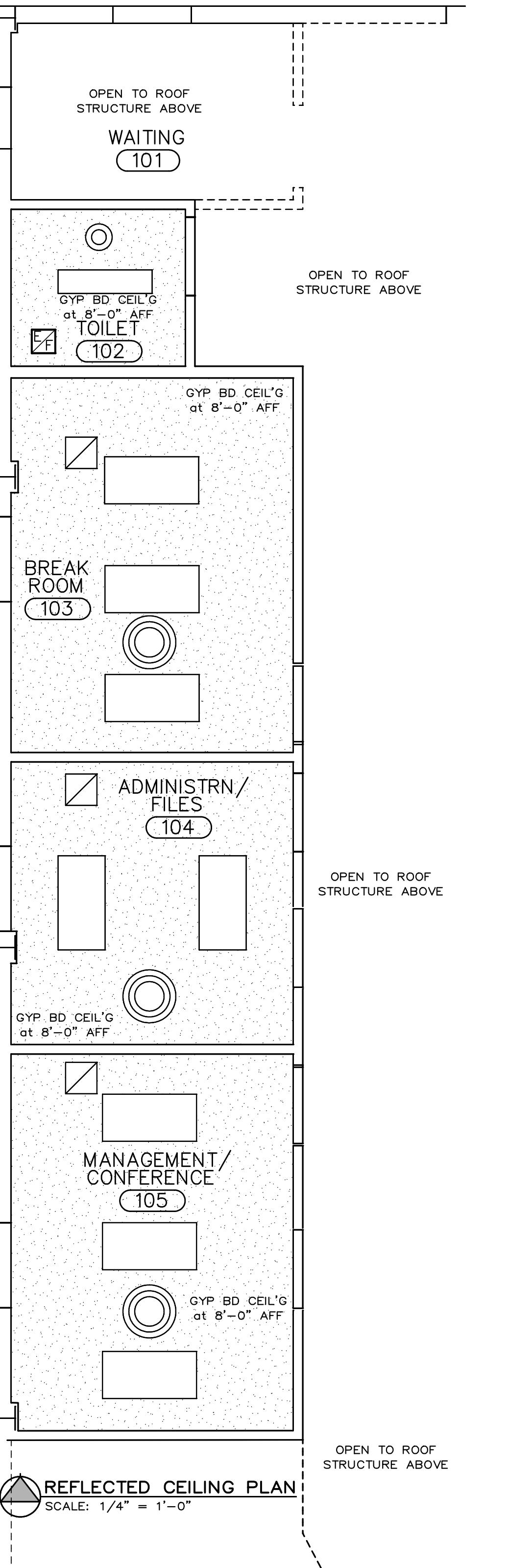
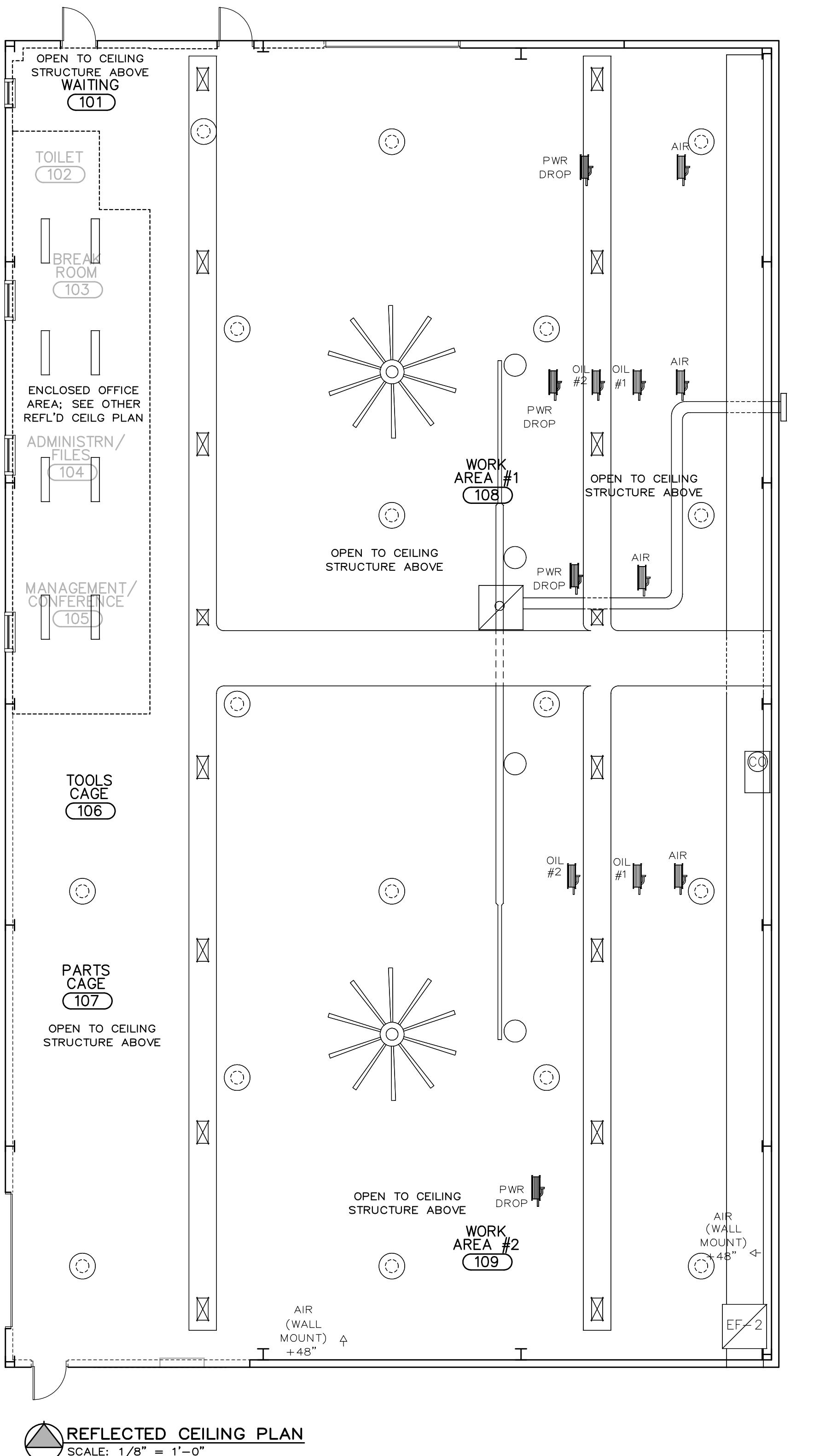
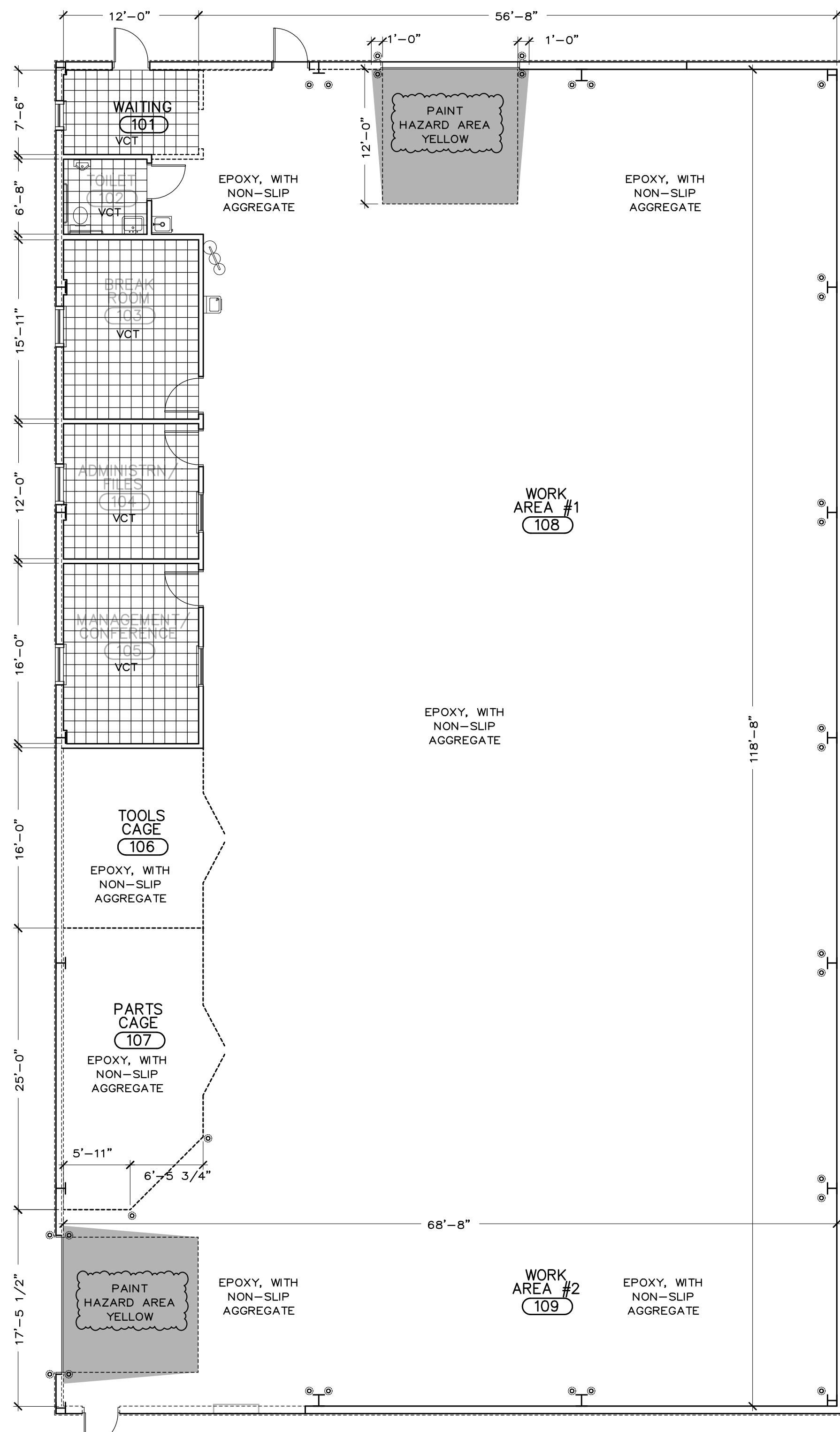


NORTH ELEVATION

SCALE: 3/16" = 1'-0"

SOUTH ELEVATION

SCALE: 3/16" = 1'-0"



RM	FLOOR	WALLS	CEILING	NOTES	OTHER
101	VCT	VB/PGB	OPEN	FLUSH METAL PANELS ON EXTERIOR WALLS	1) LEAVE EXPOSED CONCRETE FOUNDATION UNFINISHED 2) PAINT SHOP SIDE OF OFFICE PARTITIONS 3) EXPOSED INSULATION AT CEILING
102	VCT	FRP	PGB		VCT: VINYL COMPOSITION TILE (SPEC 09-6500) EPOXY: RESINOUS FLOOR COATING, WITH NON-SLIP AGGREGATE (SPEC 09-6700)
103	VCT	VB/PGB	PGB		VB: 4 X 1/8 VINYL BASE (SPEC 09-6500)
104	VCT	VB/PGB	PGB		PGB: PAINTED GYPSUM BOARD
105	VCT	VB/PGB	PGB		FRP: FIBERGLASS REINFORCED PLASTIC (SPEC 09-7733)
106	EPOXY	VB/PGB	OPEN	1, 2, 3)	P-MTL: PARTIAL HEIGHT FLUSH METAL PANELS; TO 8'-0" AFF
107	EPOXY	NA	OPEN	1, 2, 3)	
108	EPOXY	PGB/P-MTL	OPEN	1, 2, 3)	
109	EPOXY	PGB/P-MTL	OPEN	1, 2, 3)	

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- PROVIDE ALL NECESSARY BARRIERS AND SAFETY SIGNAGE NECESSARY FOR A SAFE WORK ENVIRONMENT. CONFORM TO ALL LOCAL, COUNTY, STATE AND FEDERAL REQUIREMENTS WHICH APPLY.
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BIDDING & PERMIT REVIEW DOCUMENTS
Status/Revised

Steven J. Bacon
Architect
MO Lic: #007402

BACON COMMERCIAL DESIGN LLC
ARCHITECTURAL & INTERIOR DESIGN
po box 605
crystal city
mo 63019
(636) 933-0007

corporate authority certificate #: 2006007290

LEGEND:

- PENDANT HUNG, HID SHOP LIGHT
- 2X4 FLUORESCENT LIGHT FIXTURE
- ROOM EXHAUST FAN
- OPEN SHOP AREA EXHAUST FAN, WITH CARBON MONOXIDE SENSOR SWITCH
- RETURN AIR GRILLE
- DUCT-MOUNTED, OPEN SHOP AREA SUPPLY AIR DIFFUSER
- CEILING MOUNT SUPPLY AIR DIFFUSER, OFFICE AREAS
- RETRACTING COIL FOR AIR HOSE, OIL HOSE OR ELECTRIC CORD; SUSPENDED FROM CEILING STRUCTURE ABOVE SUPPLIED BY OWNER FOR INSTALLATION BY G.C.

COMMISSION

JEFFERSON CO. (MISSOURI) PUBLIC WORKS DEPARTMENT
Jason Jonas, P.E. Director

New Light Fleet Maintenance Facility
Highway B Hillsboro, MO

FLOOR FINISHES, REFLECTED CEILING PLANS, INTERIOR FINISH SCHEDULE

SHEET TITLE
SHEET NUMBER
A-4
OF 5

ABBREVIATIONS:

AFF: ABOVE FINISHED FLOOR
NIC: NOT IN CONTRACT
USC: UNDER SEPARATE CONTRACT
VTR: VENT THRU ROOF
D.S.: DOWNSPOUT
VCT: VINYL COMPOSITION TILE
G.B.: GYPSUM BOARD
CFM: CUBIC FEET/MINUTE

APPLICABLE CODES:

INTERNATIONAL CODE COUNCIL (2009): INT'L BUILDING CODE, INT'L FUEL & GAS CODE, INT'L FIRE CODE, INT'L MECHANICAL CODE, INT'L ENERGY CODE AND INT'L PLUMBING CODE.
NFPA NATIONAL ELECTRIC CODE 2008

GENERAL NOTES:
 COMMISSION NUMBER
13-091
 DRAWN BY
 mjb
 CHECKED BY
 SJB
 DATE
 02/04/2015

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Structural Engineer:
 Frontenac Engineering
 (314) 644-2200

Project Consultants

JEFFERSON CO.
 (MISSOURI)
 PUBLIC WORKS
 DEPARTMENT
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 Director

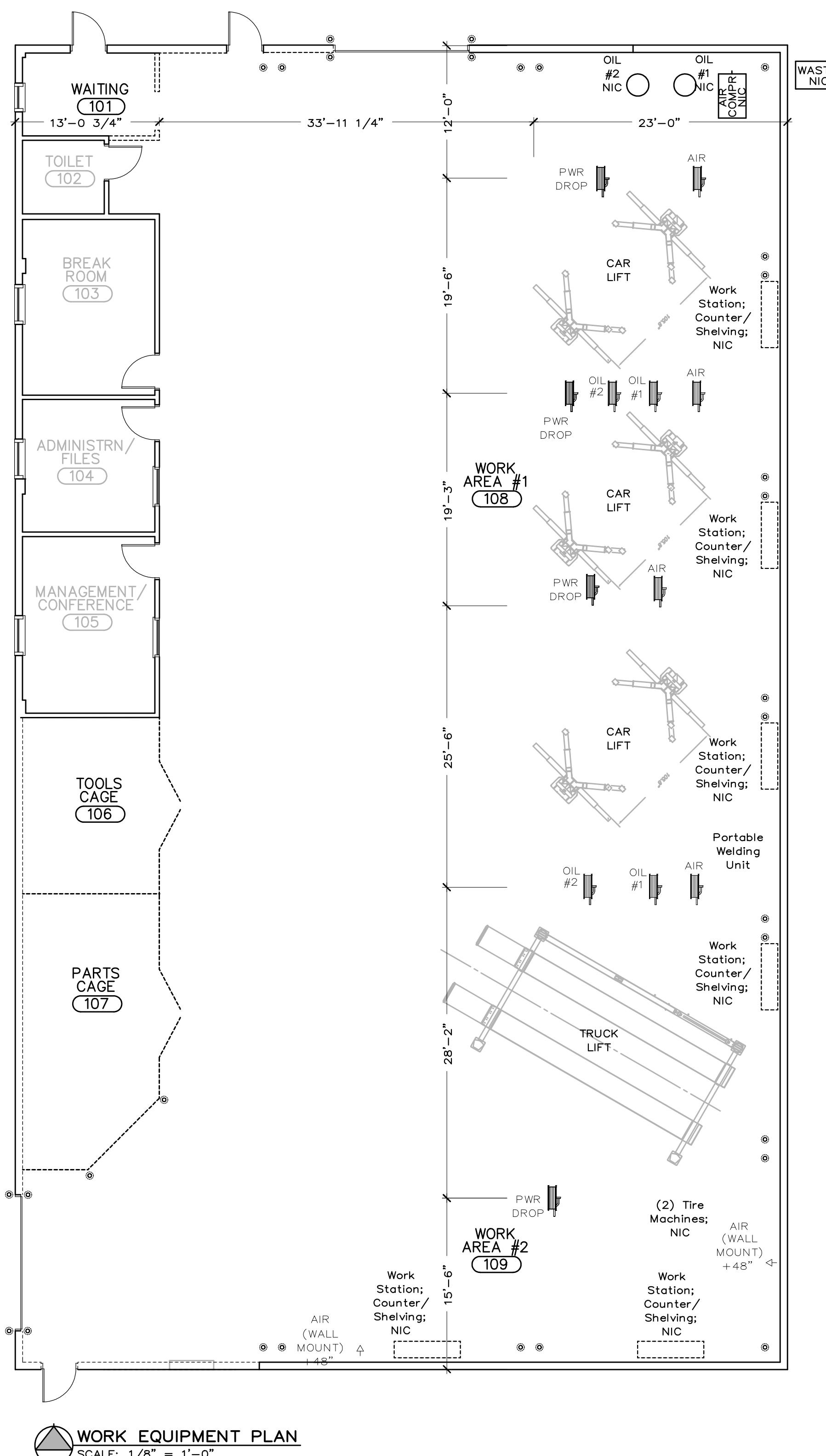
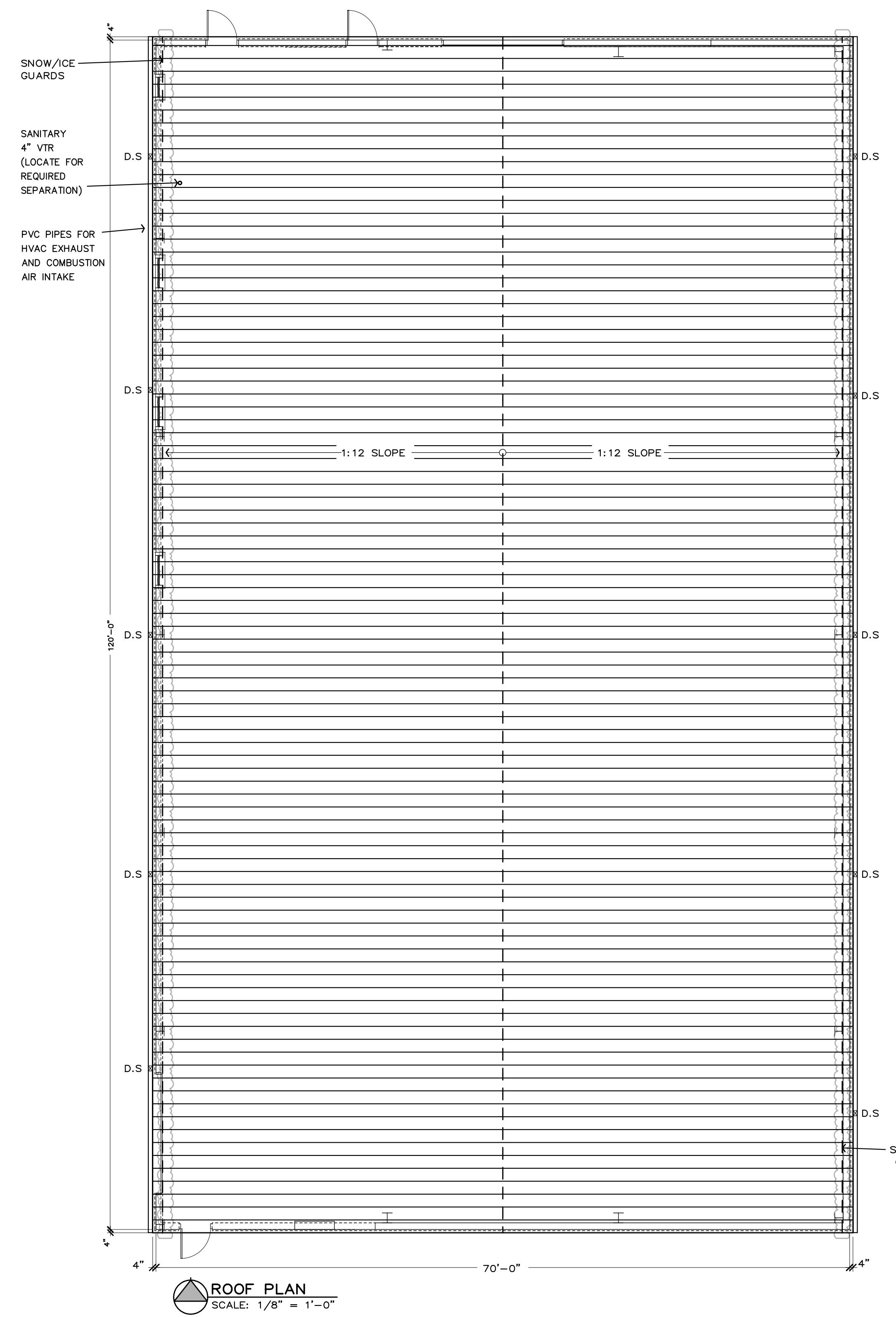
New Light Fleet
 Maintenance
 Facility
 Highway B
 Hillsboro, MO

COMMISSION

ROOF PLAN &
 WORK/EQUIP-
 MENT LAYOUT

SHEET TITLE
 SHEET
 NUMBER

A-5
 OF 5



ABBREVIATIONS:
 AFF ABOVE FINISHED FLOOR
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 USC UNDER SEPARATE CONTRACT
 VTR VENT THROUGH ROOF
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DIVISION 1 - GENERAL REQUIREMENTS

1.1 CONSTRUCTION MEANS AND METHODS

A. Contractor agrees that Contractor shall assume sole and complete responsibility for job site conditions during the course of the work, including safety of all persons and property that this requirement shall apply continuously and not be limited to normal working hours, and that Contractor shall defend, indemnify, and hold Owner and Structural Engineer harmless from any and all liability, real or alleged, in connection with the performance of the work.

B. Structural Engineer:

The Contract Documents represent the finished structure. They do not include the method of construction. Contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to: bracing, shoring, for loads due to construction equipment, temporary structures, and partially completed work.

C. Construction activities, since these are solely Contractor's responsibility under the Contract.

D. Frontenac Engineering Group shall not be responsible for Contractor's schedule or failures to carry out any construction activities in accordance with the Contract Documents.

Frontenac Engineering Group shall not have control over, or charge of, and shall not be responsible for any construction activities.

E. The structure is stable only in its completed form. Temporary supports required for stability by Contractor, and provided by Contractor.

1.2 SUBMITTALS:

A. Submittals prepared by Subcontractors shall be reviewed by Contractor prior to submitting to Architect.

B. Preparation of the Contract Documents for Shop Drawings is not permitted. Electronic drawing files will not be provided to Contractor.

C. Contractor shall verify the structurally supported equipment weights, opening sizes, and locations indicated on the Structural Drawings with documents from other disciplines and notify architect of any discrepancies.

D. Contractor shall submit Shop Drawings showing sizes, method of anchorage, height, openings, and locations of equipment not indicated on the Structural Drawings prior to ordering or reviewing Structural Engineer to determine adequacy of the structure. All submittals shall be reviewed by Structural Engineer for general conformance with design concept only and does not relate to fabricator vendor or any other party over whom Contractor has no control.

E. All submittals shall be reviewed by Structural Engineer for design concept only and does not relate to fabricator vendor or any other party over whom Contractor has no control.

F. Submittals shall be reviewed within 10 working days after being received by Structural Engineer.

1.3 QUALITY REQUIREMENTS:

A. Reference to standard specifications or codes of any technical society organization, or association, or to code of local or state authorities shall not be made in the standards in effect as of date of the Contract Documents, unless otherwise noted.

B. Contract Documents shall govern in the event of conflict with standard specifications or codes of any technical society organization or association.

C. No provision of any referenced standard specification or code, whether or not specifically incorporated by reference in the Contract Documents, shall be effective to change the duties and responsibilities of Owner, Architect, Contractor, or any of their agents, employees or consultants, or employees of any Structural Engineer or any Structural Engineer's representative, or any other party over whom Contractor has no control.

D. Structural Documents are being released prior to documents of other disciplines. Contractor shall coordinate Structural Documents with other portions of the Contract Documents as they are released. Report any discrepancy or omission to Architect.

E. All submissions and conflicts within the Contract Documents shall be brought to the attention of Architect prior to proceeding with the work.

F. Contractor shall verify dimensions and conditions at the job site. Any discrepancies between the conditions found and those indicated in the Contract Documents shall be brought to the attention of Architect prior to proceeding with the work.

G. Documents other than those for the Work, including, but not limited to, plans, specifications, schedules, equipment pads, meta data, or site use, shall be provided to the licensed Engineer for final review of such plans, data, etc.

H. The jobs have "PRIMER" on the Structural Drawings apply to all situations occurring on the jobs that are the same or similar to those situations specifically noted above.

I. Structural steel connections, if alternate design shown on the Structural Drawings

J. Contractor shall be granted the right to inspect Structural Drawings, provided that in the State where Project is located, Contractor shall submit Drawings, but not the original in the State where Project is located, to the Building Code. All documents noted shall be sent to the licensed Engineer. If criteria indicated are not sufficient, submit a written request for additional information to Architect. The following elements and their connections shall be contractor design:

1. Structural steel connections, if alternate design shown on the Structural Drawings

2. Stairs

3. Known and curtain wall systems

1.4 SPECIAL INSPECTIONS:

A. Special inspections shall be in accordance with the 2009 International Building Code, Ch. 17.

B. Structural inspection reports shall be furnished to Building Official, Owner, Architect, and Structural Engineer.

C. The Special Inspector shall submit a final report stating that the structural work was to the best of the Special Inspector's knowledge, performed in accordance with the Contract Documents.

D. The following types of work require Special Inspections (Refer to the Building Code and Specifications for detailed inspection requirements.)

1. Prepared Soil Fill

Concrete Construction

2. Steel Construction

3. Steel

A. The structure is designed in accordance with the International Building Code, 2009 Edition.

B. No provisions have been made for future building horizontal or vertical expansion.

C. Gravity Loads

1. Uniform Roof Live Loads:

a. Live load: 20 psf

b. Snow load

1. Ground Snow Load: 20 psf

2. Flat Roof Snow Load: 20 psf

3. Snow Exposure Factor: 1.0

4. Snow Impingement Factor: 1.0

5. Snow Thermal Factor: 1.0

2. Uniform Floor Live Loads (reduced as allowed by the Building Code, unless noted otherwise):

a. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 8' and thinner, unless

b. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 10' and thicker, unless

c. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 12' and thicker, unless

d. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 14' and thicker, unless

e. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 16' and thicker, unless

f. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 18' and thicker, unless

g. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 20' and thicker, unless

h. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 22' and thicker, unless

i. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 24' and thicker, unless

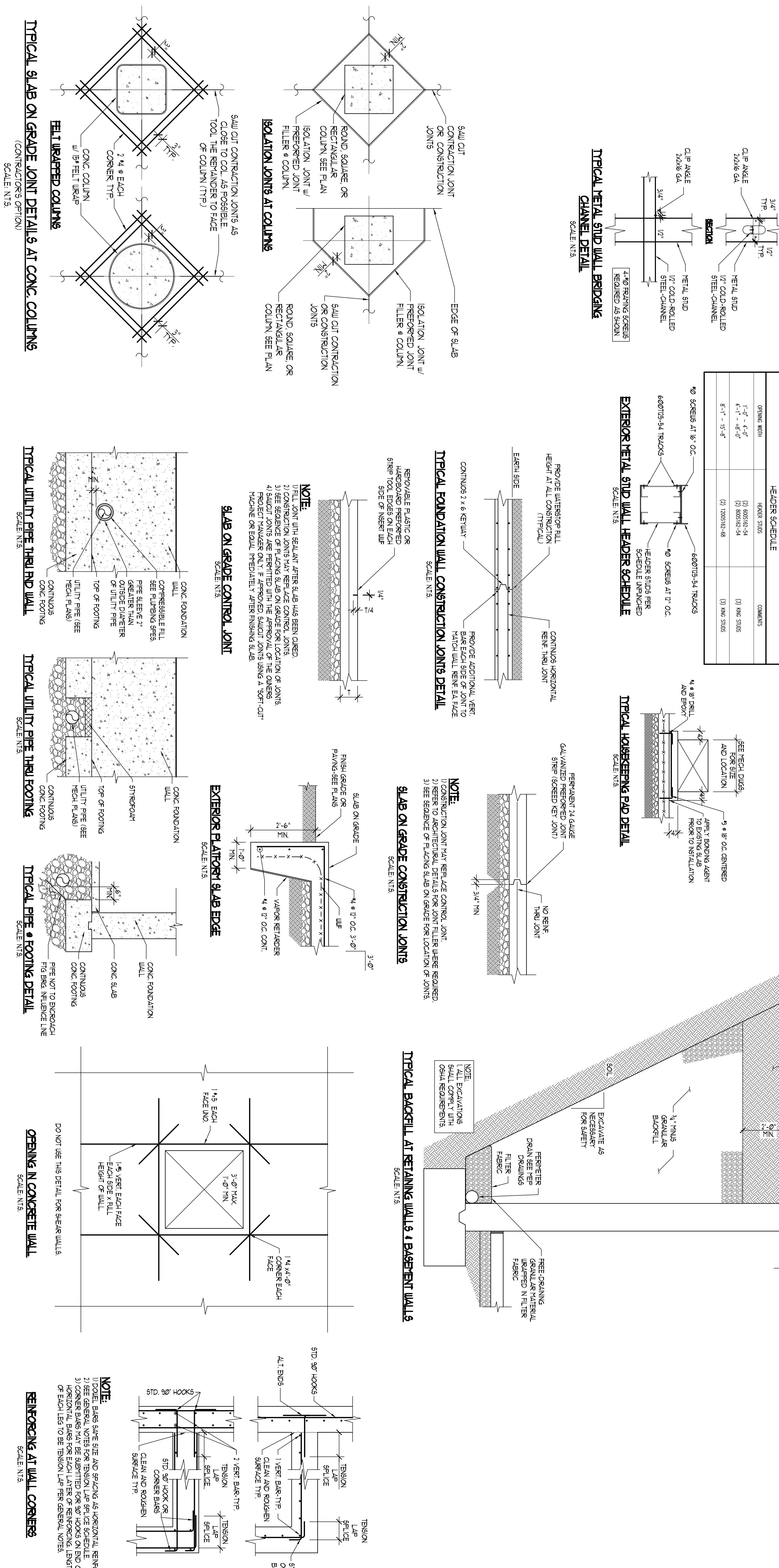
j. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 26' and thicker, unless

k. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 28' and thicker, unless

l. Projected: 40 psf, O.C. for zonal and vertical at the center of all walls 30' and thicker, unless

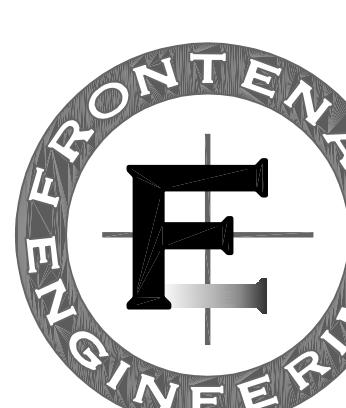
100 psf

All areas



TYPICAL DETAILS

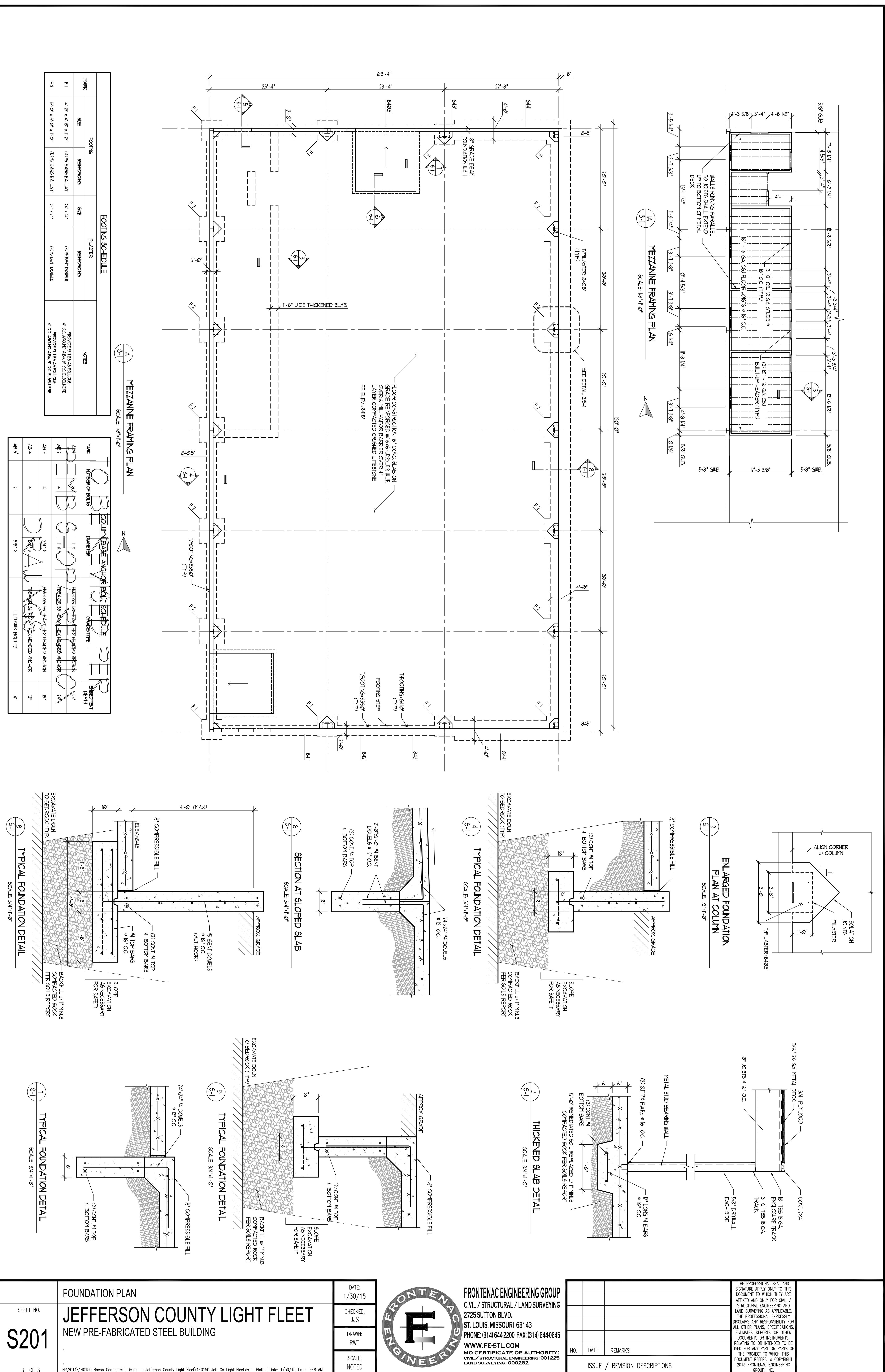
JEFFERSON COUNTY LIGHT FLEET
NEW PRE-FABRICATED STEEL BUILDING

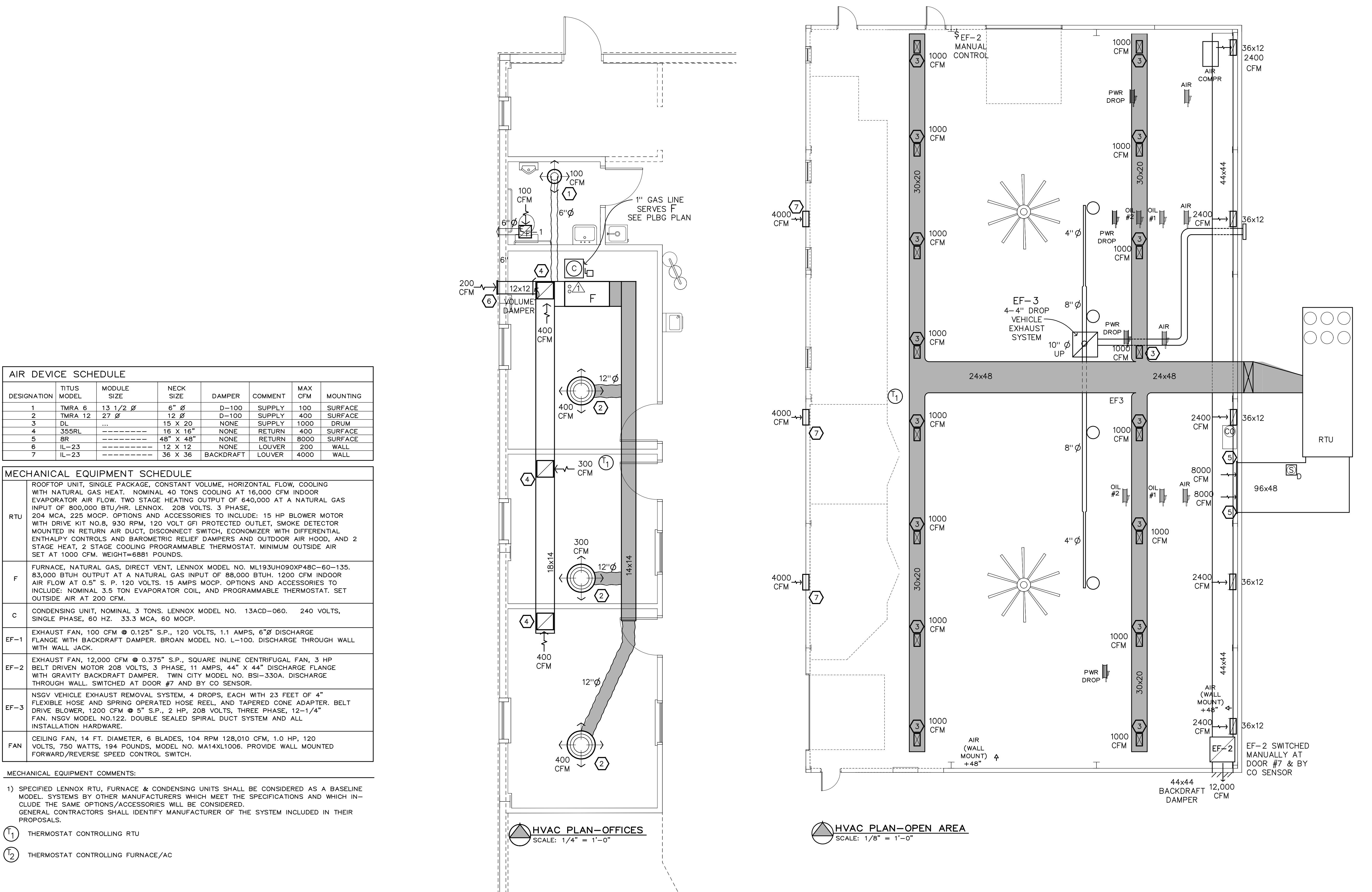


FRONTENAC ENGINEERING GROUP
CIVIL / STRUCTURAL / LAND SURVEYING
2725 SUTTON BLVD.
ST. LOUIS, MISSOURI 63143
PHONE: (314) 644-2200 FAX: (314) 644-0645
WWW.FE-STL.COM
MO CERTIFICATE OF AUTHORITY:
CIVIL / STRUCTURAL ENGINEERING: 001225
LAND SURVEYING: 000282

DATE:	1/30/15
CHECKED:	JJS
DRAWN:	RWT
SCALE:	NOTED
NO.	DATE
	REMARKS

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VAC NOTES:
COORDINATE CEILING DIFFUSERS WITH
CEILING LIGHT FIXTURES.
GAS PIPING IN CONCEALED LOCATIONS
SHALL NOT HAVE JOINTS, UNIONS OR
RUNNING THREADS.

PO BOX 885
CRYSTAL CITY
MO 63019
(636) 933-0007

corporate authority
certificate #: 2006007290

B

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COMMERCIAL
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New Light Fleet Maintenance Facility

Highway B Hillsboro, MO

COMMISSION

HVAC PLAN

HEET TITLE

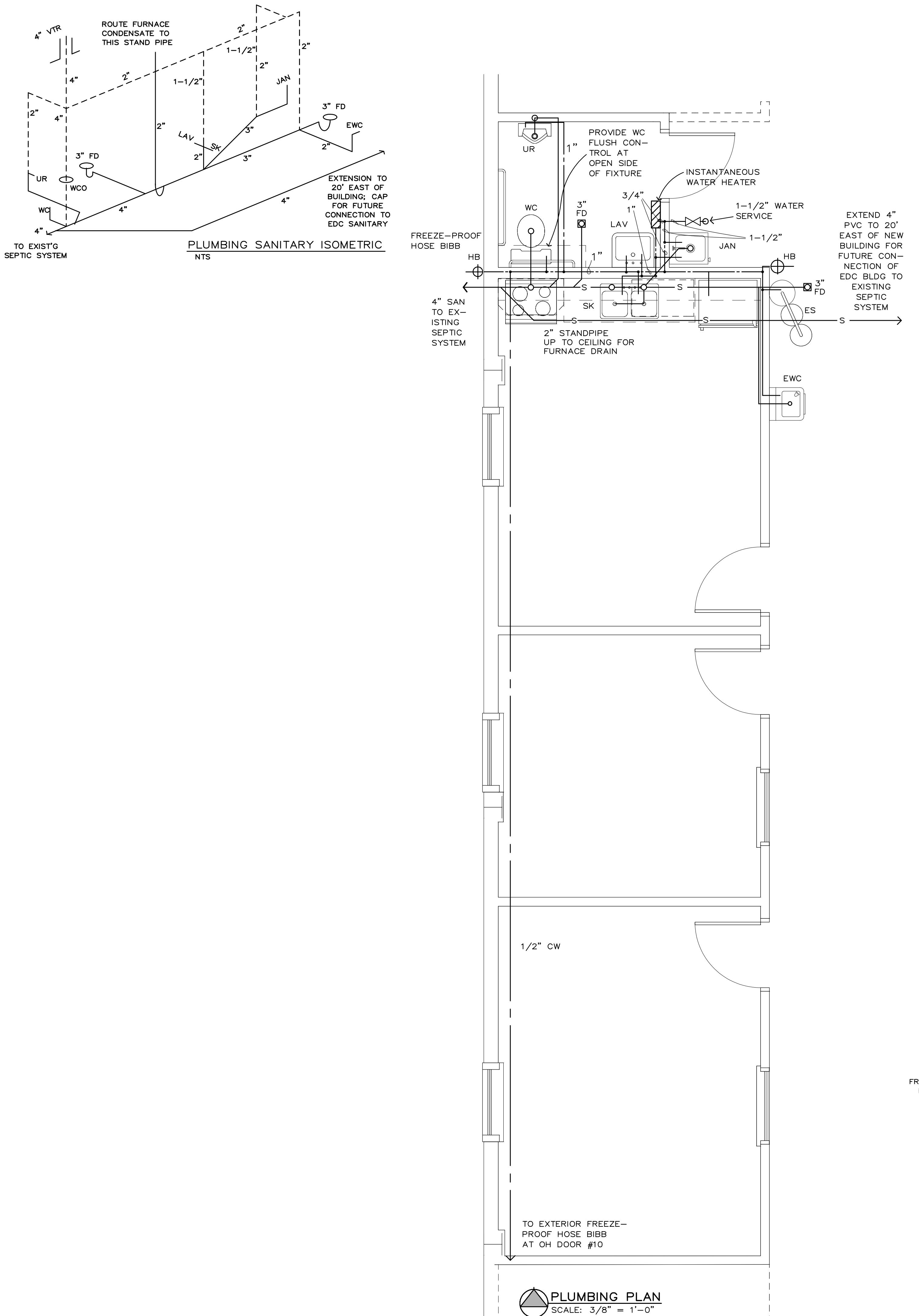
SHEET NUMBER

M-1

ABBREVIATIONS:

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- FIRE CODE, INT'L MECHANICAL CODE,
- ENERGY CODE AND INT'L PLUMBING
E.
A NATIONAL ELECTRIC CODE 2008



PLUMBING EQUIPMENT SCHEDULE	
WC	WATER CLOSET: TANK TYPE, BARRIER FREE, 17" HIGH, 1.6GPF, ELONGATED BOWL, WHITE VITREOUS CHINA, SIPHON FLUSH ACTION, AMERICAN STANDARD CADET II MODEL NO.2216.170. WHITE OPEN FRONT SEAT.
UR	URINAL, WALL HUNG, BARRIER FREE, WHITE VITREOUS CHINA, LOW CONSUMPTION (1.0 gpf). SIPON JET FLUSHING ACTION, 3/4" INLET SPUD, 2" THREADED OUTLET CONNECTION, WALL HANGER. AMERICAN-STANDARD ALLBROOK MODEL #6541.132 WITH SLOAN ROYAL 186-1-DFB-SMO AUTOMATIC FLUSH VALVE.
LAV	LAVATORY: WALL HUNG WITH WALL HANGER, BARRIER FREE, WHITE VITREOUS CHINA, 20" X 18" FAUCET HOLES ON 4 CENTERS. AMERICAN STANDARD LUCERNE MODEL NO. 0355.012 WITH AMERICAN STANDARD HERITAGE FAUCET NO. 5400.000 WITH NO. 172H WRIST BLADE HANDLES, OFFSET DRAIN AND STRAINER, LAV-GUARD UNDER SINK PROTECTIVE PIPE COVERS, MODEL NO. 103 WHITE.
WH	WATER HEATER: ELECTRIC, INSTANTANEOUS, TANKLESS, 208 VOLTS, 1 PHASE, 4125 WATTS, 19.8 AMPS. 75F RISE AT 0.5 GPM. EEMAX MODEL NO. SP55.
JAN	JANITORS SINK: ADVANCE-TABCO 7-PS-30; KNEE-OPERATED, GOOSE NECK FAUCET; 16" X 14" X 6" BOWL; WALL MOUNT
HB	WALL HYDRANT: ANTI-SIPHON, NON-FREEZE WITH INTEGRAL BACKFLOW PREVENTER, BRONZE BOX, WADE NO. W-8625
SK	KITCHEN SINK: DOUBLE COMPARTMENT, STAINLESS STEEL, 18 GAUGE TYPE 302, SELF - RIMMING, 33L X 22W X 8"D. 3 FAUCET HOLES ON 4" CENTERS .ELKAY MODEL NO. LR 3322. FAUCET- ELKAY LKA - 2443 HI-ARC, TWO HANDLE, DECK MOUNT, WITH SPRAY.
FD	FLOOR DRAIN: 3, WADE NO. 1103-TY-STD6 CAST IRON FLOOR DRAIN WITH FLANGE, TY-SEAL, VANDAL PROOF AND NICKEL BRONZE STRAINER.
WCO	WALL CLEAN OUT: WADE NO. W-8474-R8 RAISED HEAD PLUG WITH ROUND STAINLESS STEEL VANDAL PROOF SECURED ACCESS COVER
EWC	ELECTRIC WATER COOLER: DRINKING FOUNTAIN AND BOTTLEFILLER; ELKAY EZS8WSLK; WALL MOUNT
ES	EMERGENCY SHOWER & EYE WASH: HAWS MODEL 8300-8309 (AXION MSR); FLOOR MOUNT

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BIDDING
& PERMIT
REVIEW
DOCUMENTS

Status/Revised

Frank F Freiner
professional Engineer
MO Lic #: 018743



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PLUMBING PLAN

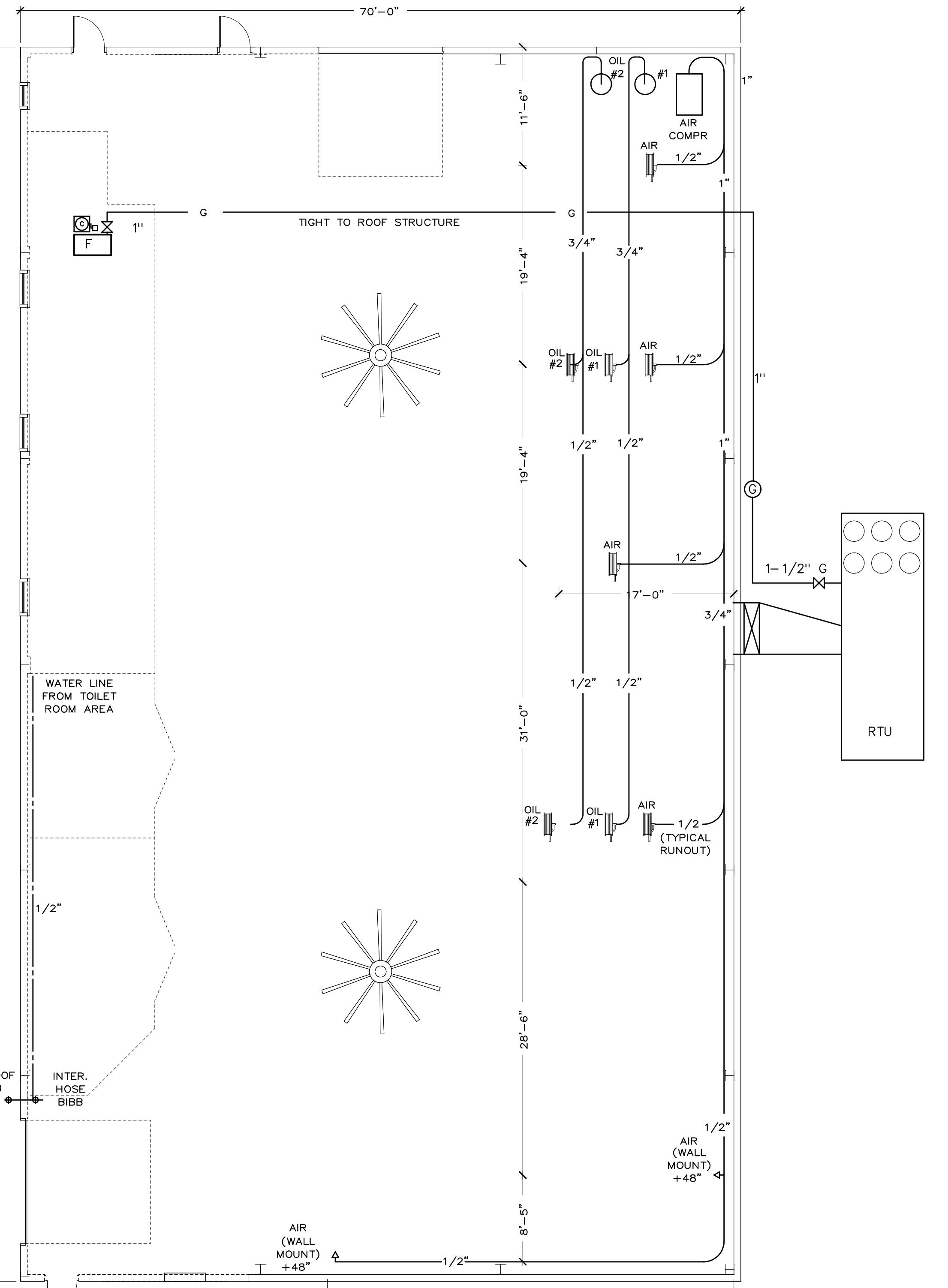
PLAN

SHEET TITLE

SHEET NUMBER

NUMBER 440

M-2 OF 2



ABBREVIATIONS:

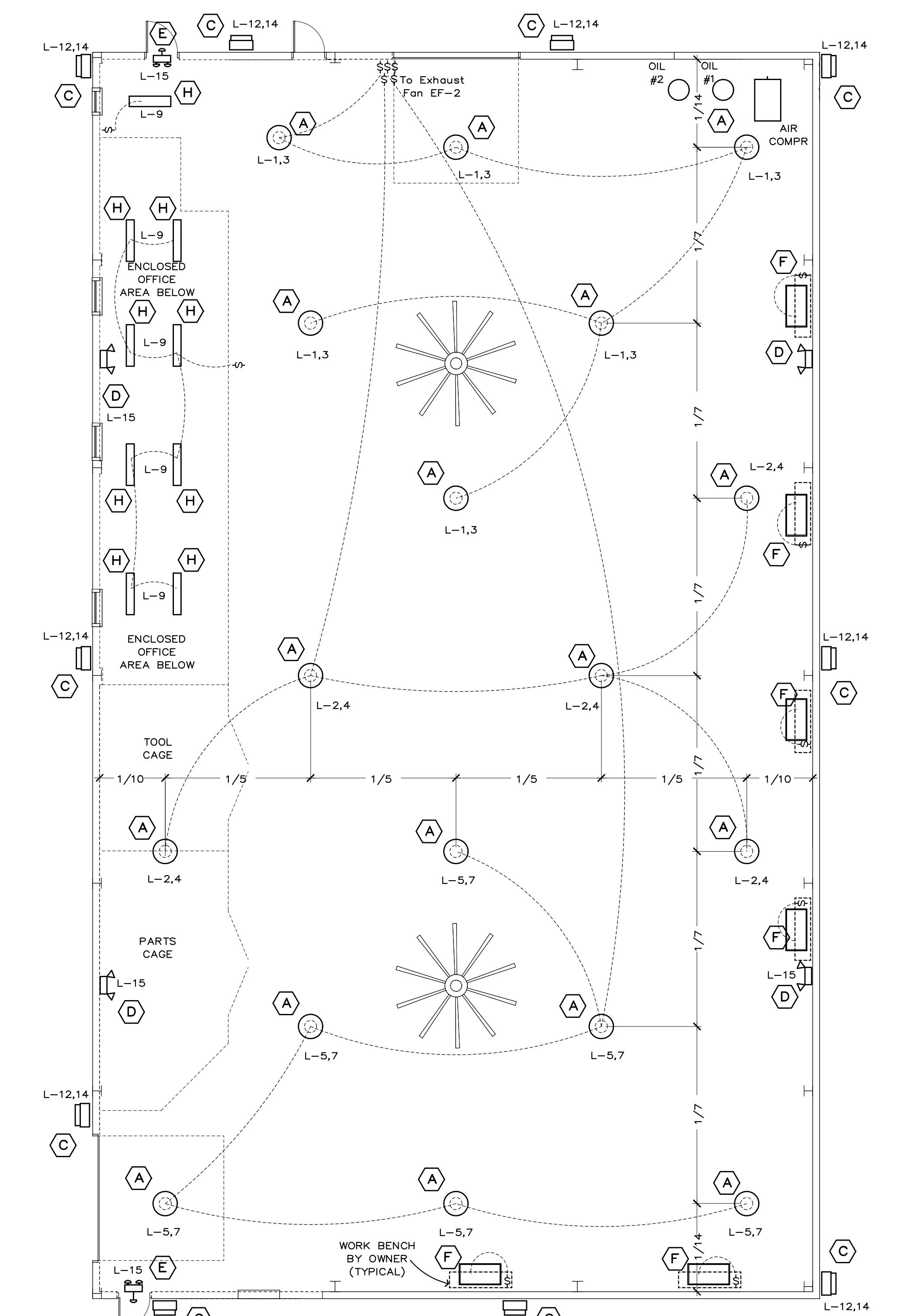
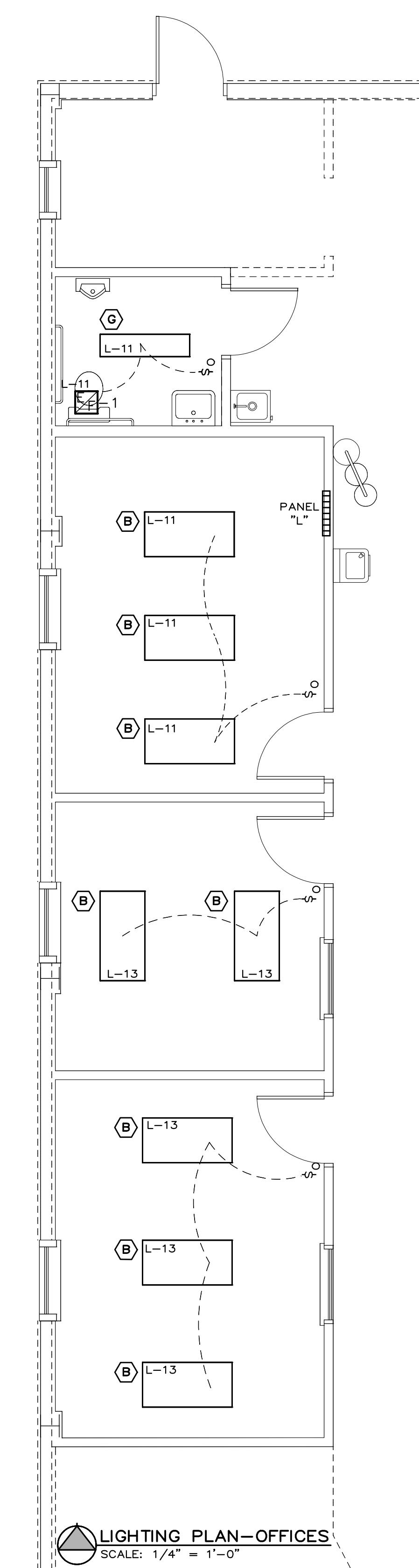
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NIC	NOT IN CONTRACT
USC	UNDER SEPARATE CONTRACT
VTR	VENT THROUGH ROOF
RTU	ROOF TOP UNIT
EWC	ELECTRIC WATER COOLER
GFI	GROUND FAULT INTERRUPTION PROT'N



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MK	DESCRIPTION	MFR CATALOG	LAMPS	MOUNTING	FINISH
Ⓐ	OPEN WORK AREA, HID	LITHONIA THC400MA15-208	400W METAL HALIDE	PENDANT	MILL
Ⓑ	SURFACE MOUNT 4 LAMP FLUORESCENT IN OFFICES	LITHONIA LB432-120-1/4	4F-32 T-8	CEILING SURFACE	WHITE
Ⓒ	EXTERIOR WALL MOUNT AREA/SECURITY LIGHT	LITHONIA TWH 175M208PELP1	175W METAL HALIDE	WALL SURFACE	DARK BRONZE
Ⓓ	EMERGENCY LIGHT: 90-MINUTE BATTERY BACKUP	LITHONIA QUATUM ELM10	N1212	WALL SURFACE	WHITE
Ⓔ	EMERGENCY/EXIT LIGHT COMBO: 90-MINUTE BATTERY BACKUP	LITHONIA QUATUM LHGMPWIR120N	LED	WALL SURFACE	WHITE
Ⓕ	FLUORESCENT WORK LIGHT; 2X4	LITHONIA EJ432120GEB1/4	4F32 T-8	CHAIN HUNG	WHITE
Ⓖ	SURFACE MOUNT 2 LAMP FLUORESCENT-TOILET RM	LITHONIA LB432-120-1/2	2F-32 T-8	CEILING SURFACE	WHITE
Ⓗ	SURFACE MOUNT 2 LAMP FLUORESCENT-WAITING RM	LITHONIA XXXXX-120-1/2	2F-32 T-8	WALL SURFACE	DARK BRONZE

EXTERIOR WALL-PACK LIGHTS; SWITCH WITH PHOTO-CELL

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. FOLLOW WRITTEN DIMENSIONS ONLY. FOR CRITICAL DIMENSIONS NOT SHOWN ON THE DRAWINGS, CONTACT THE ARCHITECT.
- THE DRAWINGS ARE ACCOMPANIED BY A PROJECT MANUAL, INCLUDING THE SPECIFICATIONS. DO NOT RELY SOLELY ON ONE OR THE OTHER. ADVISE THE ARCHITECT OR ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN THE TWO. IF NO TIMELY RESPONSE IS RECEIVED FROM THE ARCHITECT OR ENGINEER, ASSUME THE MORE EXPENSIVE OR MORE RESTRICTIVE CONDITION WILL PREVAIL.
- DO NOT CUT OR MODIFY ANY STRUCTURAL ITEM WITHOUT FIRST REVIEWING THE PROPOSED MODIFICATION WITH THE ARCHITECT AND SUBMITTING A PLAN FOR ANY TEMPORARY SHORING NECESSARY.
- ALL MATERIALS SHALL BE NEW AND INSTALLED TO MANUFACTURER'S WRITTEN SPECIFICATIONS.
- PROVIDE ALL NECESSARY BARRIERS AND SAFETY SIGNAGE NECESSARY FOR A SAFE WORK ENVIRONMENT, CONFORM TO ALL LOCAL, COUNTY, STATE, AND FEDERAL REQUIREMENTS WHICH APPLY.
- WHERE AN ITEM OR SYSTEM IS SHOWN TO BE INCLUDED IN THE WORK, IT SHALL BE PROVIDED AS A COMPLETE, OPERABLE, CODE-COMPATIBLE ITEM OR SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL CONNECTIONS, SWITCHING, POWER, VENTILATION AND ANY OTHER ACCESSORIES NECESSARY TO PROVIDE A COMPLETE, OPERABLE ITEM OR SYSTEM.
- ROUTING OF ELECTRICAL WIRING, PLUMBING LINES (WATER SUPPLY, WASTE, DRAIN, VENTS), AND DUCT WORK WHERE SHOWN ON PLANS IS SCHEMATIC. IT IS THE RESPONSIBILITY OF EACH OF THESE CONTRACTORS (SUBCONTRACTORS) TO COORDINATE INSTALLATION OF THESE ITEMS WITH EACH OTHER.
- LOCATING HVAC EQUIPMENT (RTU'S, AIR HANDLERS, CONDENSERS, EXHAUST FANS, ETC) IS SCHEMATIC. COORDINATE THE FINAL LOCATIONS WITH OTHER CONSIDERATIONS AND CONFIRM WITH ARCHITECT.
- RENDER ALL PENETRATIONS THROUGH BUILDING'S EXTERIOR ENCLOSURE WEATHER TIGHT.
- PAINT ALL ROOF AND/OR WALL PENETRATIONS TO MATCH (AS CLOSELY AS IS PRACTICAL) THE ADJACENT ROOF OR WALL MATERIAL.
- COMMENCING INSTALLATION OF ANY ITEM, EQUIPMENT OR SYSTEM INDICATES ACCEPTANCE OF ANY PRE-EXISTING CONDITION UPON WHICH THE SUBSEQUENT CONSTRUCTION IS DEPENDENT OR ATTACHED TO OR SUPPORTED ON. FOR EXAMPLE, BEGINNING FLOORING INSTALLATION REPRESENTS ACCEPTANCE OF THE SUB FLOOR CONSTRUCTION.

LEGEND:

- 2X4 FLUORESCENT LIGHT FIXTURE; SURFACE MOUNT
- CHAIN HUNG, FLUORESCENT LIGHT AT WORK STATION
- HID PENDANT; SUSPENDED FROM ROOF STRUCTURE; METAL HALIDE
- EXTERIOR WALL-PACK; METAL HALIDE; PHOTO-CELL SWITCHED
- COMBO EMERGENCY/EXIT LIGHT WITH REMOTE HEAD; 90-MINUTE BATTERY BACKUP
- EMERGENCY LIGHT; 90-MINUTE BATTERY BACKUP
- MANUAL SWITCH
- OCCUPANCY SENSOR SWITCH, WITH MANUAL OVERRIDE
- MANUAL, THREE-WAY SWITCH

MEP Engineer:
FF Freiner, P.E.
Civil/Site Engineer:
David Vonarx, P.E.
Structural Engineer:
Frontenac Engineering
Project Consultants

JEFFERSON CO. (MISSOURI) PUBLIC WORKS DEPARTMENT
Jason Jonas, P.E.
Director

New Light Fleet Maintenance Facility
Highway B
Hillsboro, MO
COMMISSION

LIGHTING PLANS

SHEET TITLE

SHEET NUMBER

E-1

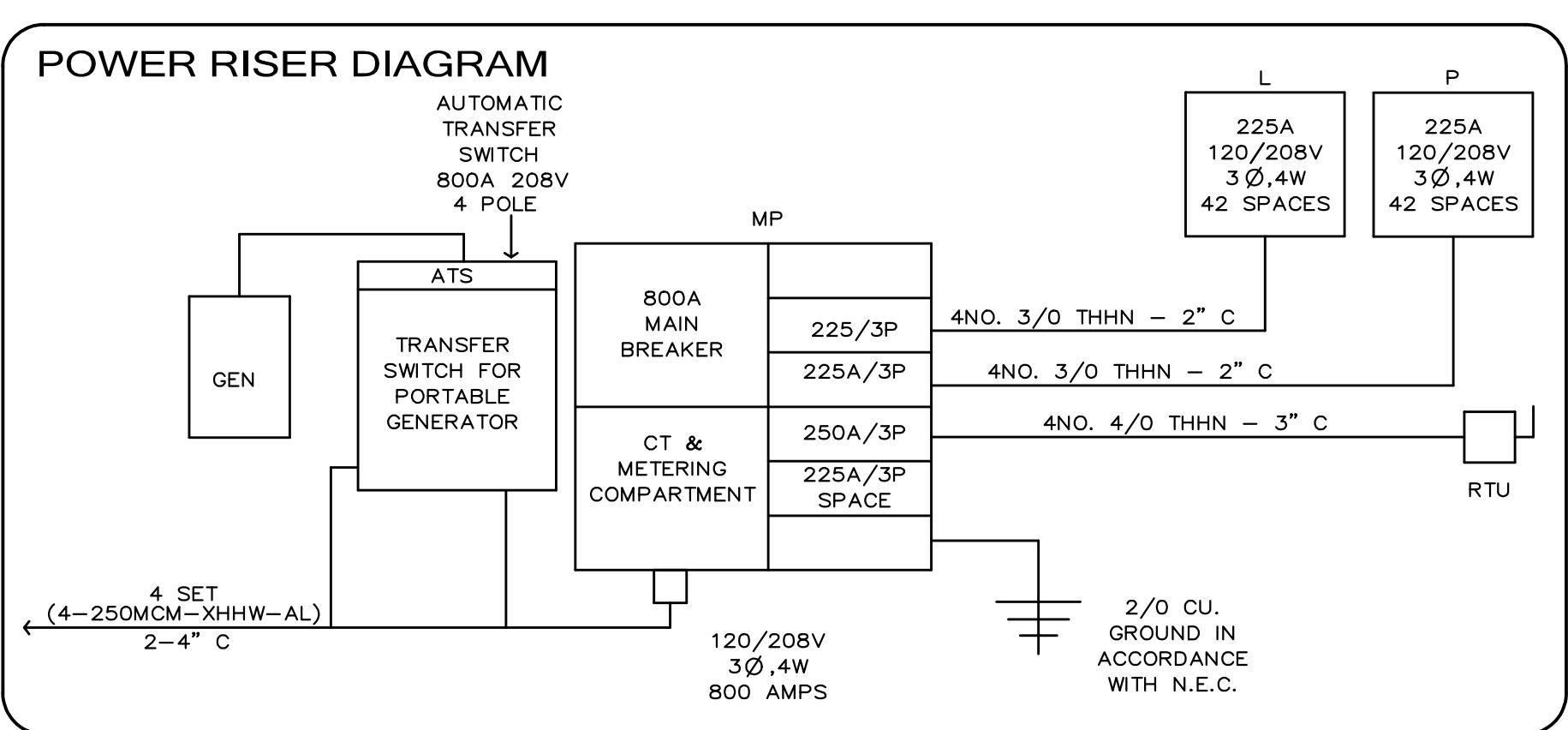
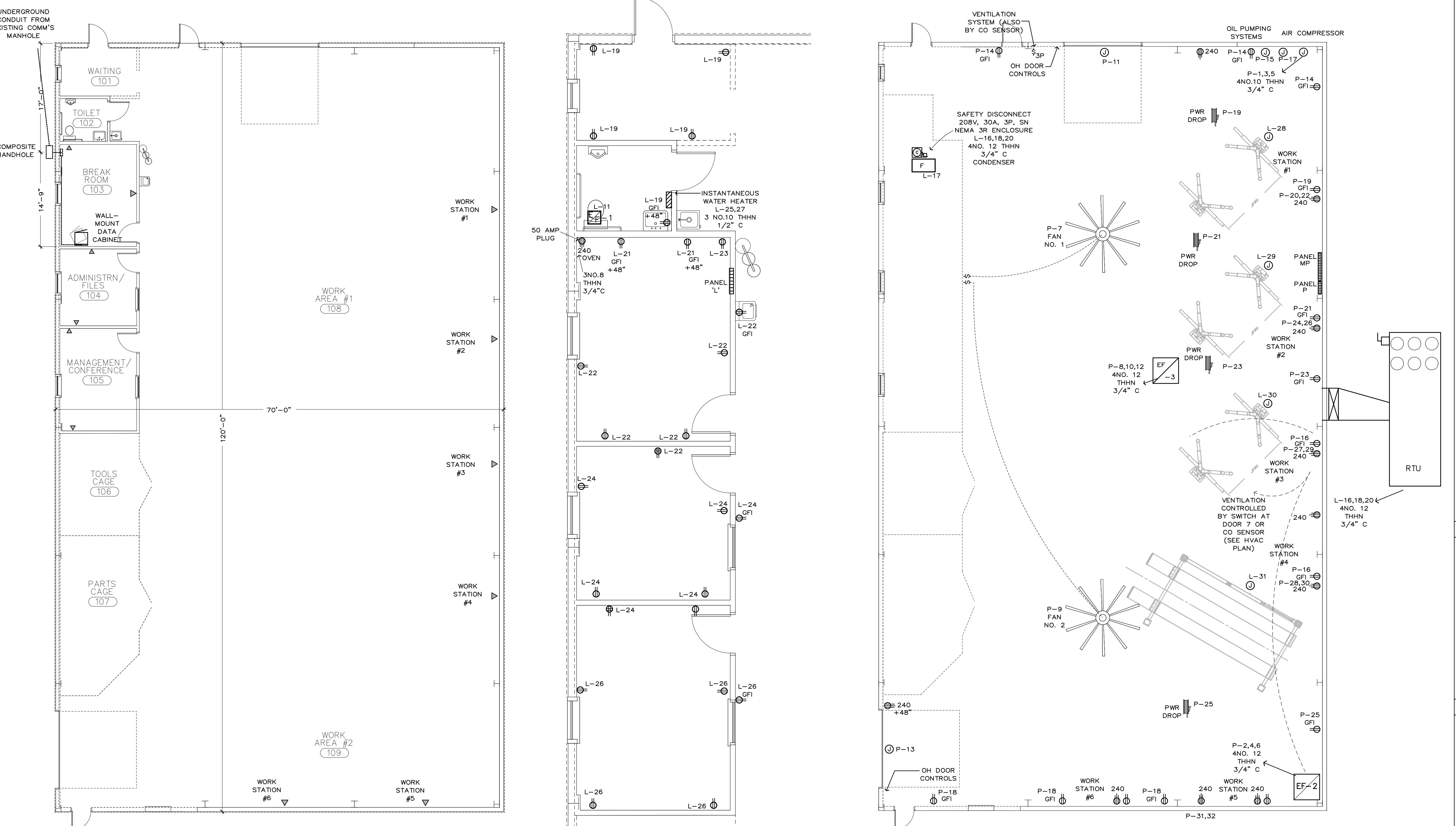
OF 2

ABBREVIATIONS:

- AFF ABOVE FINISHED FLOOR
- NIC NOT IN CONTRACT
- USC UNDER SEPARATE CONTRACT
- VTR VENT THROUGH ROOF
- RTU ROOF TOP UNIT
- EWC ELECTRIC WATER COOLER
- GFI GROUND FAULT INTERRUPTION PROT'N
- CFM CUBIC FEET/MINUTE

APPLICABLE CODES:

- INTERNATIONAL CODE COUNCIL (2009): INT'L BUILDING CODE, INT'L FUEL & GAS CODE, INT'L FIRE CODE, INT'L MECHANICAL CODE, INT'L ENERGY CODE AND INT'L PLUMBING CODE.
- NFPA NATIONAL ELECTRIC CODE 2008



POWER PLAN
SHEET TITLE SHEET NUMBER E-2 OF 2

APPLICABLE CODES:
INTERNATIONAL CODE COUNCIL (2009):
INT'L BUILDING CODE, INT'L FUEL GAS CODE,
INT'L FIRE CODE, INT'L MECHANICAL CODE,
INT'L ENERGY CODE AND INT'L PLUMBING
CODE, NFPA NATIONAL ELECTRIC CODE 2008

NEW FACILITY

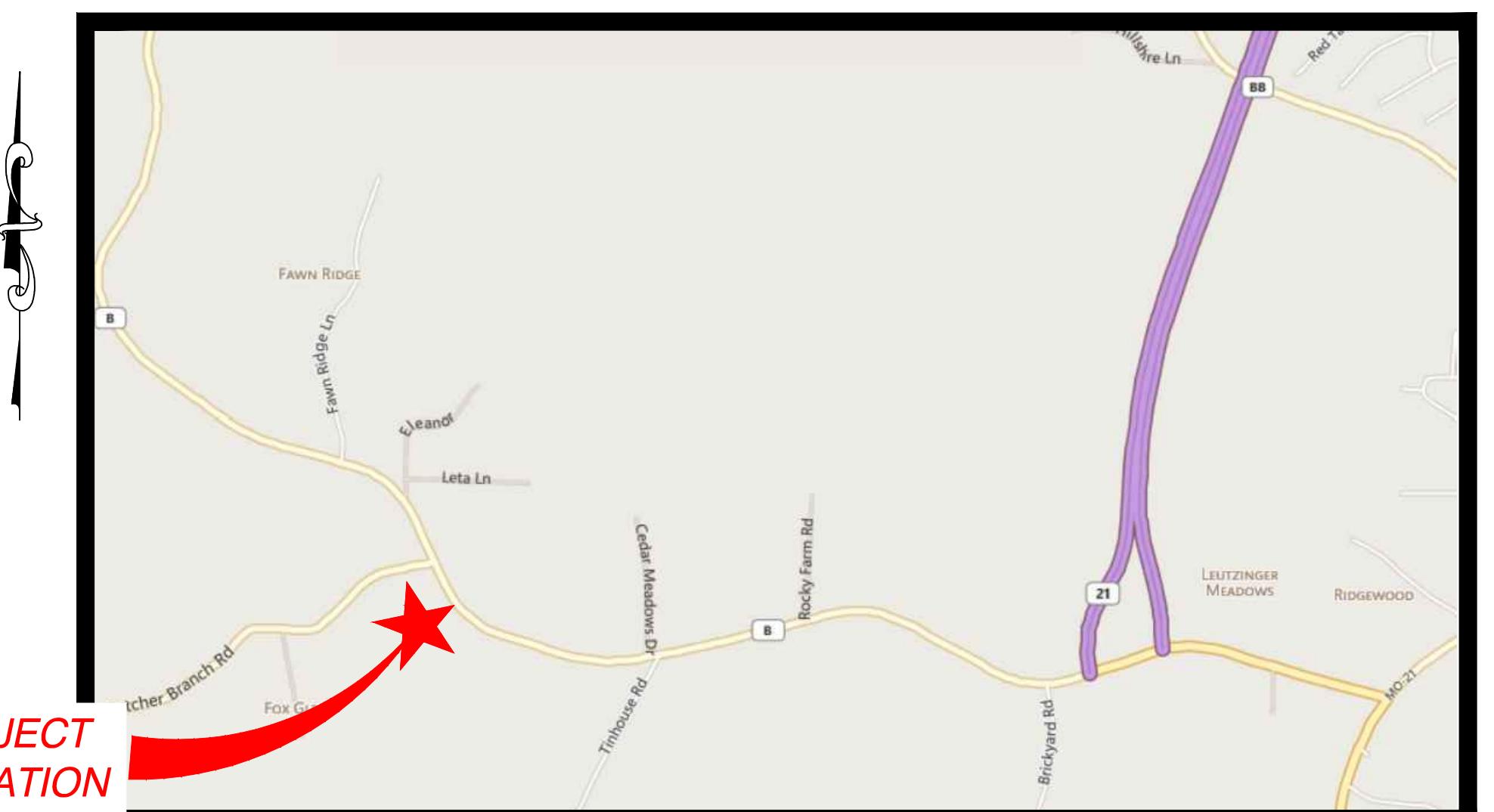
JEFFERSON COUNTY LIGHT FLEET

SITE DEVELOPMENT PLAN

A TRACT OF LAND IN THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 4 EAST

GENERAL NOTES:

- THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMO.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
- PROPERTY AND TOPOGRAPHIC INFORMATION PROVIDED ON THIS PLAN ARE FROM THE PROPERTY AND TOPOGRAPHIC SURVEY PERFORMED BY ASSOCIATED LAND SURVEYORS, INC. A BOUNDARY SURVEY WAS NOT PERFORMED.
- ALL MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS OF JEFFERSON COUNTY.
- ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING AS REQUIRED BY THE JEFFERSON COUNTY PUBLIC WORKS DEPT. & MISSOURI DNR.
- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE DEVELOPER SHALL HAVE A PRECONSTRUCTION CONFERENCE WITH THE PUBLIC WORKS DEPARTMENT INSPECTOR PRIOR TO ANY CLEARING, GRADING, OR INSTALLATION OF IMPROVEMENTS.
- GRADING CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING THE GRADING. ADDITIONAL SILTATION CONTROL DEVICES SHALL BE INSTALLED PER JEFFERSON COUNTY.
- ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
- GRADING CONTRACTOR SHALL KEEP EXISTING ROADWAYS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- A GRADING PERMIT IS REQUIRED PRIOR TO ANY GRADING ON THE SITE. NO CHANGE IN WATERSHEDS SHALL BE PERMITTED.
- INTERIM STORMWATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED.
- THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORMWATER SYSTEMS IN ACCORDANCE WITH JEFFERSON COUNTY STANDARDS.
- ALL STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.
- ADEQUATE TEMPORARY OFF-STREET PARKING SHALL BE PROVIDED FOR CONSTRUCTION EMPLOYEES. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVING CONDITIONS.
- NORMAL WORK HOURS SHALL BE 6:30 AM TO 3:00 PM (MARCH – OCTOBER) AND 7:00 AM – 3:30 PM (OCTOBER – MARCH). WORK DAYS ARE MONDAY – FRIDAY, UNLESS OTHERWISE APPROVED BY COUNTY ENGINEER. .



LOCATION MAP
PARCEL NO. 173.005.0 028.

PROJECT BENCHMARK: BRONZE USC & GS TRIANGULATION STATION DISK STAMPED "HILLSBORO 2, 1962"; LOCATED 1.5 MILES +/- SOUTHWEST OF HILLSBORO ON THE NORTH RIGHT-OF-WAY LINE OF MO ROUTE B. IT IS 46 FEET NORTH OF THE CENTER OF ROUTE B; 4.3 FEET SOUTH OF A METAL AND CARBONITE WITNESS POST IN THE RIGHT-OF-WAY FENCE LINE; 72.9 FEET WEST OF RM #3 AND 96.2 FEET NORTHWEST OF RM #2. ELEVATION: 853.67'

SITE BENCHMARK: SET SPIKE IN NORTHEAST FACE OF POWER POLE LOCATED 41.5 FEET +/- WEST FROM CENTERLINE OF MO. ROUTE B AND 79 FEET +/- SOUTH FROM CENTERLINE OF BUTCHER BRANCH COUNTY ROAD; LOCATED IN FRONT OF JEFFERSON COUNTY HIGHWAY DIVISION BUILDING. (#5275 STATE RD B) ELEVATION: 837.30

ABBREVIATIONS

N/F	NOW OR FORMERLY
w	WIDE
DB.	DEED BOOK
PB.	PLAT BOOK
PG.	PAGE
CONC.	CONCRETE
SAN.	SANITARY
MH	MANHOLE
R	RADIUS
L	LENGTH
D	DELTA
TBR	TO BE REMOVED
UIP	TO BE USED IN PLACE
D.S.	ROOF DOWNSPOUT

LEGEND

	UTILITY POLE
	FIRE HYDRANT
	GAS VALVE
	SANITARY SEWER
	STORM SEWER
	GAS LINE
	WATER LINE
	OVERHEAD ELECTRIC LINE
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED SANITARY SEWERS
	PROPOSED STORM SEWERS
	PROPOSED LIGHT STANDARD

SERVICE DISTRICTS

FIRE:	HILLSBORO FIRE PROTECTION DISTRICT 120 FIFTH STREET HILLSBORO, MISSOURI 63050 636.797.3619
AMBULANCE:	VALLE AMBULANCE DISTRICT 12363 HIGHWAY 21 DE SOTO, MISSOURI 63020 636.586.2132
SCHOOL:	HILLSBORO R3 SCHOOL DISTRICT 20 HAWK DRIVE HILLSBORO, MISSOURI 63050 636.789.3216
SEWER:	ON-SITE SEWAGE DISPOSAL JEFFERSON COUNTY PUBLIC WORKS P.O. BOX 100 HILLSBORO, MISSOURI 63050 636.797-5369
WATER:	ON SITE WELL JEFFERSON COUNTY PUBLIC WORKS P.O. BOX 100 HILLSBORO, MISSOURI 63050 636.797-5369
GAS:	MISSOURI NATURAL GAS COMPANY P.O. BOX 219 FESTUS, MISSOURI 63028 636.931.5639
ELECTRIC:	AMEREN UE 6450 HIGHWAY MM HOUSE SPRINGS, MISSOURI 63051 636.671.6134
TELEPHONE:	SOUTHWESTERN BELL TELEPHONE CO. 120 N. 2ND FESTUS, MISSOURI 63028 636.931.7506
POST OFFICE:	U.S. POST OFFICE 7050 STATE ROAD BB CEDAR HILL, MISSOURI 63016 800.275.8777
CABLE TV:	CHARTER COMMUNICATIONS 941 CHARTER COMMONS TOWN AND COUNTRY, MISSOURI 63017 866.373.3884
JEFFERSON COUNTY 911:	5475 BUCKEYE VALLEY ROAD HOUSE SPRINGS, MISSOURI 63051 636.797.9797

C1	TITLE SHEET
C2	DEMOLITION PLAN
C3	SITE GRADING PLAN
C4	SITE UTILITY PLAN
C5	PROFILES/DETAILS
C6	DRAINAGE AREA PLAN

DRAWING INDEX

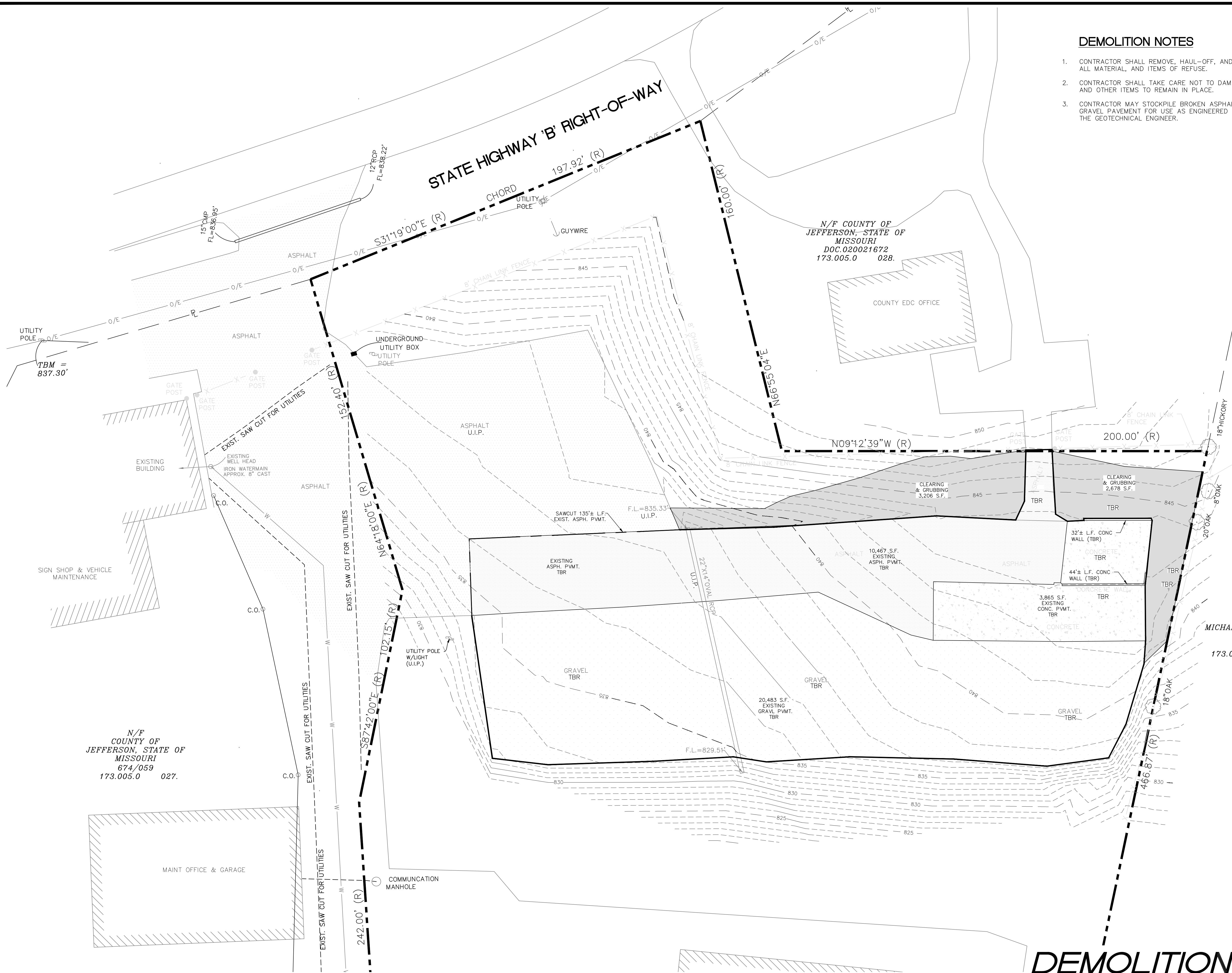
NEW LIGHT FLEET MAINTENANCE
FACILITY SITE DEVELOPMENT PLAN
HILLSBORO, MISSOURI

ISSUE DATE
2/4/2015
SCALE
NONE
Job Number
14516
Sheet Number

C1

VonArk
Engineering
CIVIL ENGINEER
10755 BUSINESS 21, SUITE A
HILLSBORO, MISSOURI 63050
OFFICE: (636) 797-8425
CELL: (314) 932-3038
CERTIFICATE OF AUTHORITY #975
DAVID L. VONARK, P.E. REGISTERED IN MISSOURI
DATE: FEB 2015
SEAL:

TITLE SHEET



NEW LIGHT FLEET MAINTENANCE
FACILITY SITE DEVELOPMENT PLAN
HILLSBORO, MISSOURI

ISSUE DATE
2/4/2015
SCALE
1"=20'
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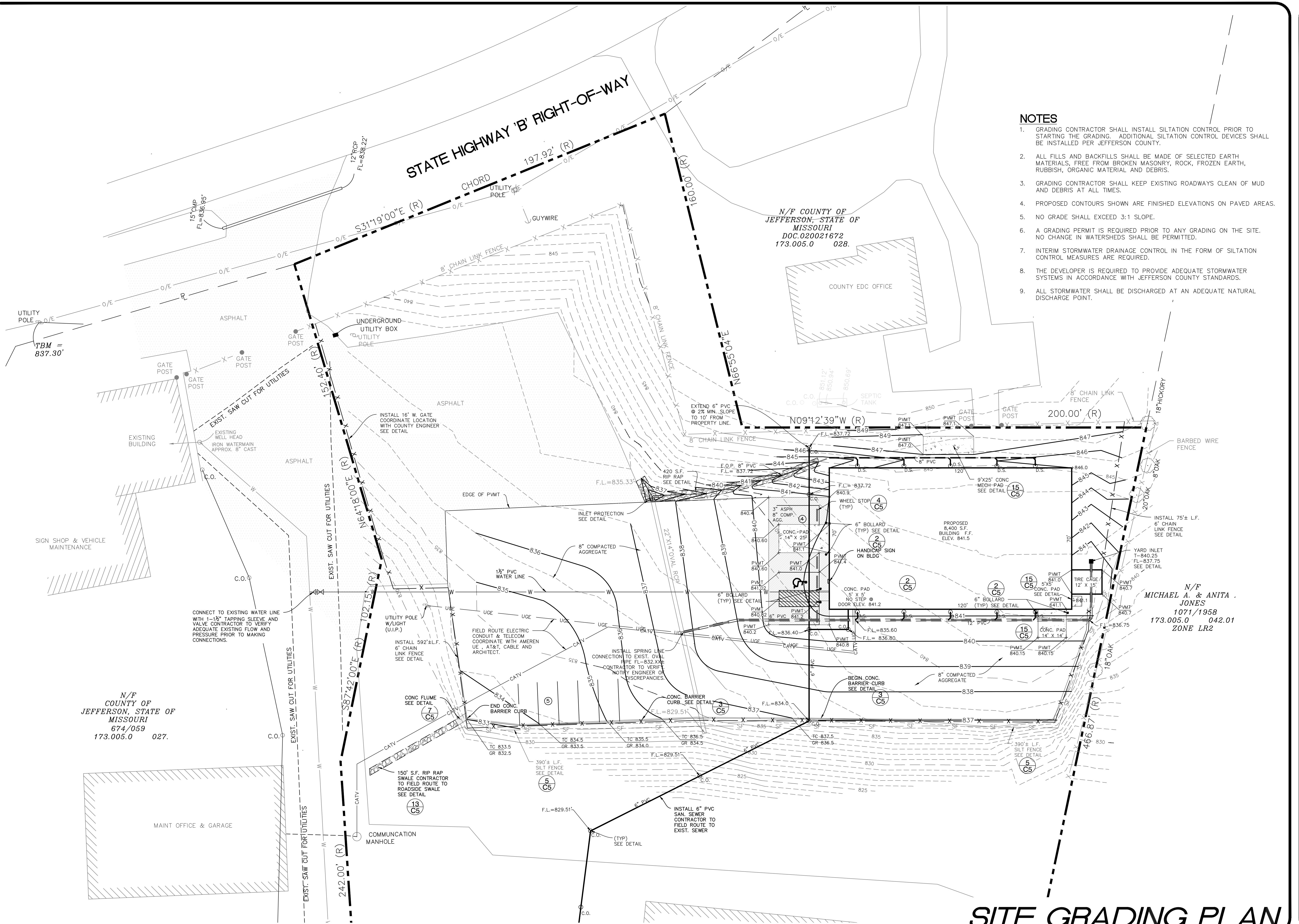
C2

VonArk Engineering
CIVIL ENGINEER
10755 BUSINESS 21, SUITE A
HILLSBORO, MISSOURI 63050
OFFICE: (636) 797-8425
CELL: (314) 932-3038
CERTIFICATE OF AUTHORITY #975

DEVELOPER:
JEFFERSON COUNTY
PUBLIC WORKS DEPARTMENT
JASON JONAS, P.E. DIRECTOR
636-797-5340
SEAL:

DAVID L. JONAS, P.E. #26547

Revisions
Date



NOTES

1. GRADING CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING THE GRADING. ADDITIONAL SILTATION CONTROL DEVICES SHALL BE INSTALLED PER JEFFERSON COUNTY.
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9. ALL STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.

JEFFERSON COUNTY
PUBLIC WORKS DEPARTMENT
JASON JONAS, P.E. DIRECTOR
636-797-5340

Von Arx Engineering



7785 BUSINESS 21, SUITE A
LLSBORO, MISSOURI 63050
OFFICE: (636) 797-8422
CELL: (314) 952-5038

NEW LIGHT FLEET MAINTENANCE -ACILITY SITE DEVELOPMENT PLAN HILLSBORO, MISSOURI

ISSUE DATE
2/4/2015

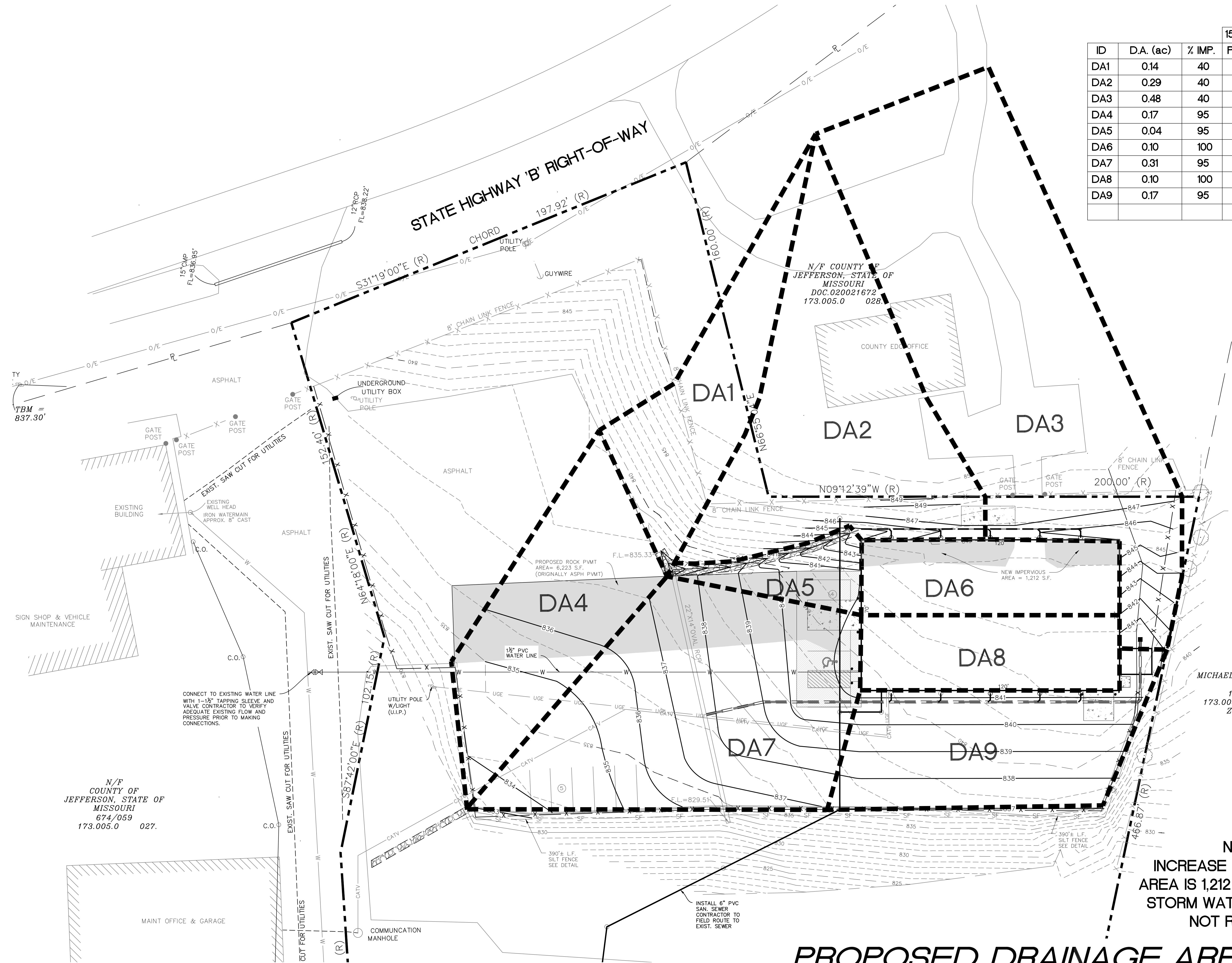
SCALE
1"=20'

Job Number
14516

Sheet Number

C3

SITE GRADING PLAN



PROPOSED DRAINAGE AREA PLAN

ISSUE DATE
2/4/2015
SCALE
1"=20'
Job Number
14516
Sheet Number
C6

NEW LIGHT FLEET MAINTENANCE
FACILITY SITE DEVELOPMENT PLAN
HILLSBORO, MISSOURI

JEFFERSON COUNTY
PUBLIC WORKS DEPARTMENT
JASON JONAS, P.E. DIRECTOR
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DEVELOPER:
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CIVIL ENGINEER
DAVID L. VONARK E-26547
SEAL: