

CITY OF BONDURANT

PUBLIC WORKS FACILITY

PLEASANT ST SE
BONDURANT, IOWA

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① Cover Sheet View



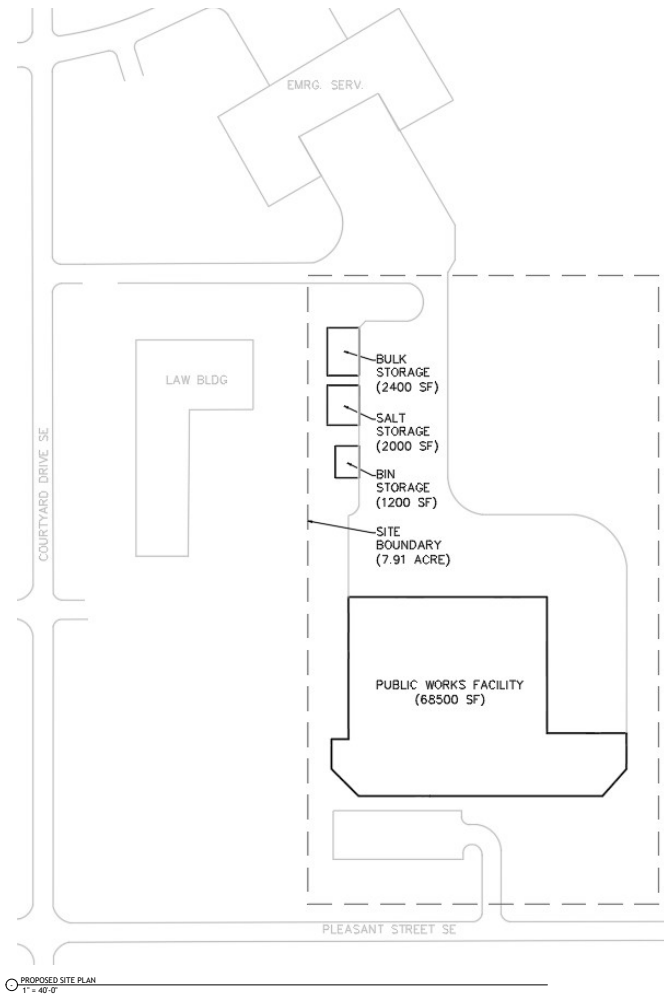
Project Number 01092001
Date 05/05/2024

GENERAL NOTES

1. THE DESIGN OF THIS PROJECT WAS COMPLETED BY UNDERGRADUATE STUDENTS FROM THE UNIVERSITY OF IOWA. THE DRAWINGS AND SPECIFICATIONS WERE DEVELOPED SOLELY FOR EDUCATIONAL PURPOSES.
2. THE INTENT OF THESE PLANS AND NOTES IS TO PRESENT THE PROJECT REQUIREMENTS. MAJOR DETAILS HAVE BEEN SHOWN ON THE DRAWINGS. HOWEVER, CERTAIN MINOR DETAILS MUST BE WORKED OUT IN THE FIELD OR SHOP DRAWING PROCESS BY THE CONTRACTOR.
3. ELEVATIONS GIVEN ON PLANS ARE IN REFERENCE TO THE FINISHED FLOOR ELEVATION (+0'-0").
4. UNLESS NOTED OTHERWISE, DETAILS SHOWN ON DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
5. THE STRUCTURE IS DESIGNED TO BE STABLE AND SELF-SUPPORTING AFTER THE BUILDING IS FULLY ERRECTED AND ALL CONNECTIONS ARE COMPLETED. UNLESS NOTED OTHERWISE, THE DRAWINGS DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION.

DESIGN INFORMATION

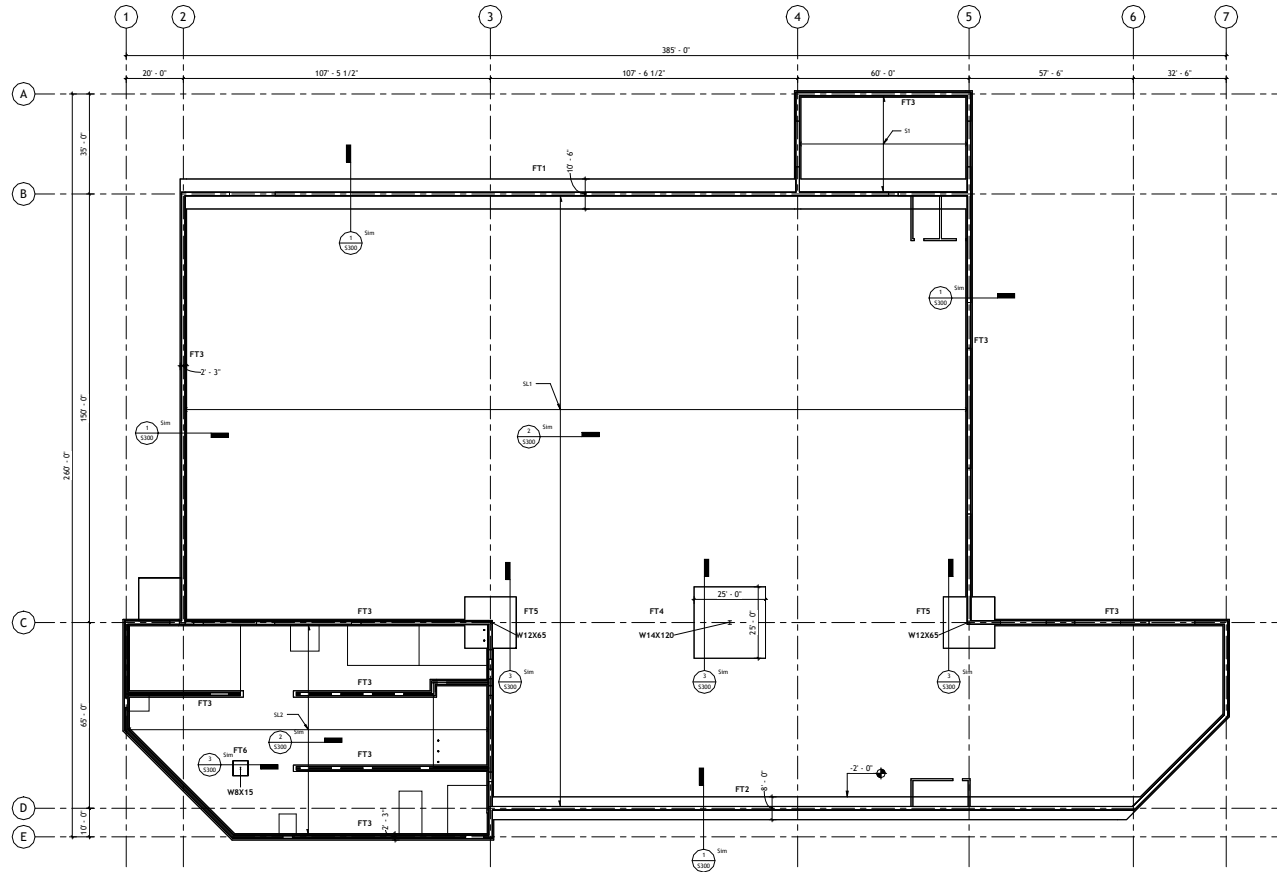
1. DESIGN REFERENCE CODES:
 - A. INTERNATIONAL BUILDING CODE (IBC) 2021
 - B. AMERICAN CONCRETE INSTITUTE - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
 - C. AMERICAN CONCRETE INSTITUTE - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530)
 - D. AMERICAN INSTITUTE OF STEEL CONSTRUCTION - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360)
 - E. AMERICAN SOCIETY OF CIVIL ENGINEERS AND STRUCTURAL ENGINEERING INSTITUTE (ASCE) 7 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 - F. AMERICAN IRON AND STEEL INSTITUTE (AISI S100) SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
2. DESIGN LOADS PER THE 2021 IBC (OCCUPANCY CATEGORY B & S1) / DESIGN LOADS PER THE 2021 IBC (RISK CATEGORY IV) / DESIGN LOADS PER THE AMERICAN SOCIETY OF CIVIL ENGINEERS AND STRUCTURAL ENGINEERING INSTITUTE (ASCE/SEI 7).
 - A. DEAD LOADS
STRUCTURE SELF WEIGHT AS SHOWN
 1. EQUIPMENT AREA
CEILING, MEP & FP 8 PSF
ROOFING SYSTEM 18 PSF
 2. OFFICE AREA
CEILING, MEP & FP 9 PSF
ROOFING SYSTEM 9 PSF
 - B. LIVE LOADS
 1. EQUIPMENT AREA
ROOF LIVE LOAD 20 PSF
FLOOR LIVE LOAD 250 PSF
 2. OFFICE AREA
ROOF LIVE LOAD 20 PSF
FLOOR LIVE LOAD 100 PSF
 - C. ROOF SNOW LOAD
GROUND SNOW LOAD, P_g 61 PSF
FLAT ROOF SNOW LOAD, P_f 45.54 PSF
SNOW EXPOSURE FACTOR, C_e 0.8
THERMAL FACTOR, C_t 1.185
 - D. WIND PRESSURE (ASCE 7-22)
BASIC WIND SPEED 122 MPH
GUST-EFFECT FACTOR 0.85
WIND EXPOSURE C
INTERNAL PRESSURE COEFFICIENT +1.0/1.8
MWFRS DESIGN WIND PRESSURE 40 PSF
 - E. DEFLECTION CRITERIA
 1. FLOOR LIVE LOAD L/260
 2. ROOF LIVE LOAD L/240
3. SOILS INFORMATION BASED ON INTERNATIONAL BUILDING CODE (IBC 2021)
NET ALLOWABLE SOIL BEARING PRESSURES:
SPREAD FOOTINGS 1500 PSF
CONTINUOUS WALL FOOTINGS 1500 PSF
4. MINIMUM FROST PROTECTION DEPTH MEASURED FROM GRADE EXTERIOR FOOTING ADJACENT TO HEATED AREA (-3'-0")
5. OCCUPANCY GROUPS B & S
6. TYPE: II-B CONSTRUCTION TYPE - NEW CONSTRUCTION
AUTOMATIC SPRINKLER SYSTEM
7. MAXIMUM ALLOWABLE AREA 70,000 SF
MAXIMUM ALLOWABLE HEIGHT ABOVE GRADE 75 FT



No.	Description	Date

CITY OF BONDURANT	
PUBLIC WORKS FACILITY	
GENERAL INFORMATION	
Project Number	01092001
Date	05/05/2024
Drawn By	LWM
Checked By	OGM
<h1>G001</h1>	
Scale	As indicated

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① FOUNDATION PLAN
1/16" = 1'-0"

FOUNDATION NOTES

- FOOTING SHALL BE CENTERED UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
FOOTING ELEVATIONS SHOWN DESIGNATE THE MINIMUM DEPTH OF THE FOOTING WHERE THE ALLOWABLE SOIL BEARING IS EXPECTED.
- ACCEPTABLE BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED EIGHT (8) INCHES IN LOOSE THICKNESS.
- FOR FOOTING AND FOUNDATIONS, THE SUBGRADE OR FILL MATERIAL SHALL BE COMPACTED AND VERIFIED TO MEET 98% STANDARD PROCTOR MAXIMUM DRY DENSITY ACCORDANCE WITH ASTM D998. FOR RELATIVELY COHESIONLESS GRANULAR FILL WHICH HAS A PERCENT PASSING THE #200 SIEVE LESS THAN 10 PERCENT AND HAS ONLY A SLIGHT SENSITIVITY TO MOISTURE CHANGES, COMPACTION SHALL BE 75 PERCENT RELATIVE DENSITY IN ACCORDANCE WITH ASTM D4253 AND D4254. IF COMPACTION DOES NOT COMPLY, CONTRACTOR SHALL RECOMPACT AREA UNTIL TEST RESULTS ARE PASSING. AN AREA EXHIBITING WEAKNESS SUCH AS RUTTING OR PUMPING SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL.
- CONTINUOUS WALL FOOTING REINFORCING SHALL EXTEND THROUGH COLUMN SPREAD FOOTINGS UNLESS NOTED OTHERWISE.

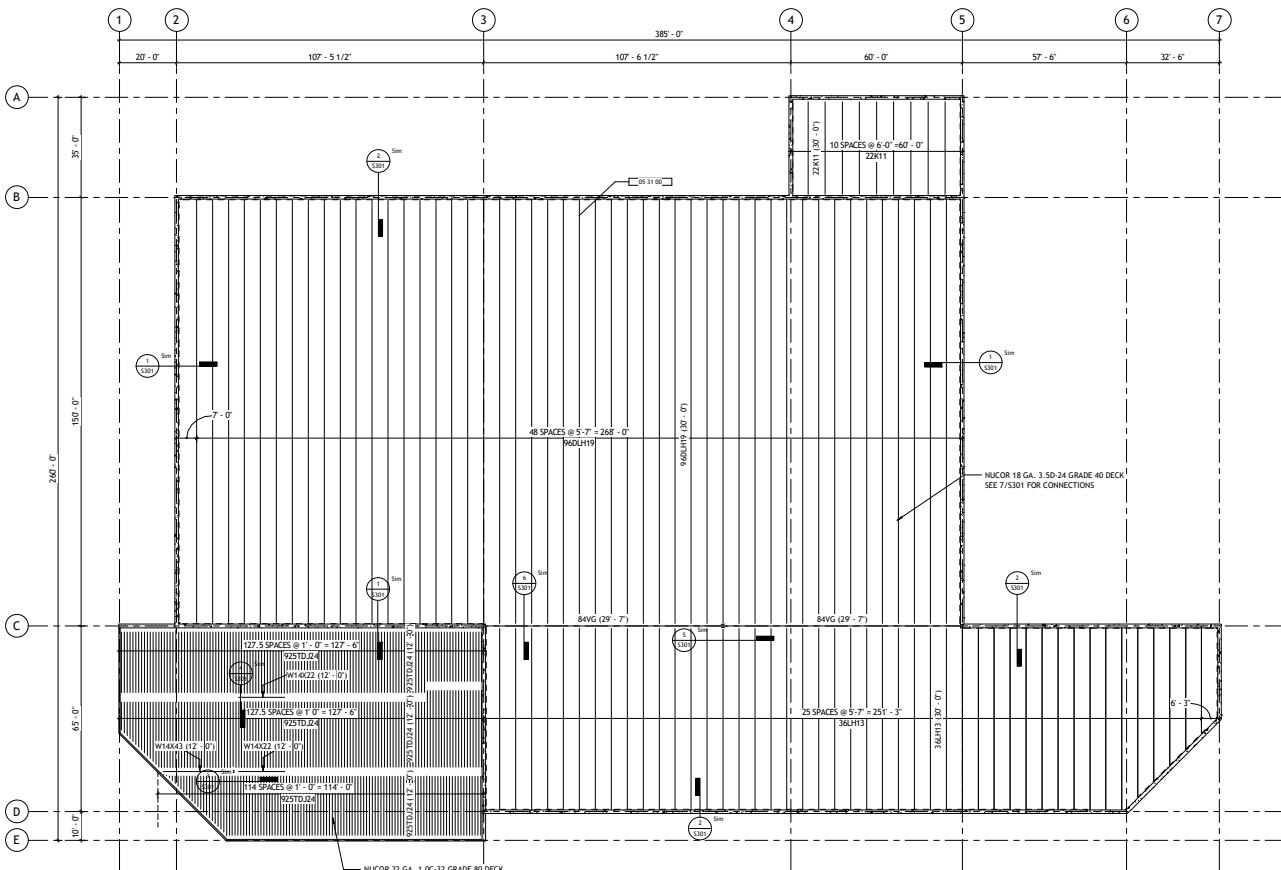
FOUNDATION SCHEDULE

Type Mark	Longitudinal Rebar	Traverse Rebar	Width	Foundation Thickness
FT1	(10) #5	#5 @ 12" O.C.	10' - 6"	1' - 6"
FT2	(8) #5	#5 @ 12" O.C.	8' - 0"	1' - 6"
FT3	(3) #5	#5 @ 12" O.C.	2' - 3"	1' - 6"
FT4	#5 @ 12" O.C.	#5 @ 12" O.C.	25' - 0"	1' - 6"
FT5	#5 @ 12" O.C.	#5 @ 12" O.C.	18' - 0"	1' - 6"
FT6	#5 @ 12" O.C.	#5 @ 12" O.C.	5' - 3"	1' - 6"
SL1	#4 @ 18" O.C.	#4 @ 18" O.C	<varies>	0' - 8"
SL2	#4 @ 18" O.C.	#4 @ 18" O.C	73' - 9"	0' - 5"

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CITY OF BONDURANT
**PUBLIC WORKS
FACILITY**
FOUNDATION PLAN

Project Number	01092001
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S100	
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Structural Framing
1/16" = 1'-0"

ROOF FRAMING NOTES

- 1. ALL TRUSS, JOISTS AND JOIST GIRDERS WERE DESIGNED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE (SJI).
- 2. THE EQUIPMENT AREA FRAMING IS MANUFACTURED BY NUCOR VILCRAFT AND THE OFFICE AREA FRAMING IS MANUFACTURED BY CLARKDIETRICH.
- 3. THE INTENT OF THESE PLANS AND NOTES IS TO PRESENT THE PROJECT REQUIREMENTS. MAJOR DETAILS HAVE BEEN SHOWN ON THE DRAWINGS. HOWEVER, CERTAIN MINOR DETAILS MUST BE WORKED OUT IN THE FIELD OR SHOP DRAWING PROCESS BY THE CONTRACTOR.
- 4. ELEVATIONS GIVEN ON PLANS ARE IN REFERENCE TO THE FINISHED FLOOR ELEVATION (+0'-0").
- 5. UNLESS NOTED OTHERWISE, DETAILS SHOWN ON DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- 6. THE STRUCTURE IS DESIGNED TO BE STABLE AND SELF-SUPPORTING AFTER THE BUILDING IS FULLY ERECTED. AND ALL CONNECTIONS ARE COMPLETED, UNLESS NOTED OTHERWISE, THE DRAWINGS DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION.

STRUCTURAL FRAMING SCHEDULE

TYPE	USAGE	Length	TOP ELEVATION	COUNT
22K11	Joist	34' - 3 1/2"	30'-0"	9
36LH13	Joist	<varies>	30'-0"	61
84VG	Girder	83' - 9"	29'-7"	2
96DLH19	Joist	<varies>	30'-0"	48
925TDJ24	Joist	<varies>	12'-0"	367
L6X6X1/2	Horizontal Bracing	35' - 0"	30'-3 1/2"	1
L6X6X1/2	Horizontal Bracing	274' - 7 1/32"	30'-3 7/8"	2
L6X6X1/2	Horizontal Bracing	33' - 11"	30'-4 3/8"	1
L8X8X1	Horizontal Bracing	<varies>	30'-2"	8
L8X8X1	Horizontal Bracing	148' - 5 1/32"	30'-7"	1
W14X22	Girder	19' - 6"	12'-0"	2
W14X43	Girder	26' - 6"	12'-0"	1

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FRAMING PLAN

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S200	
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PRECAST STRUCTURAL CONCRETE

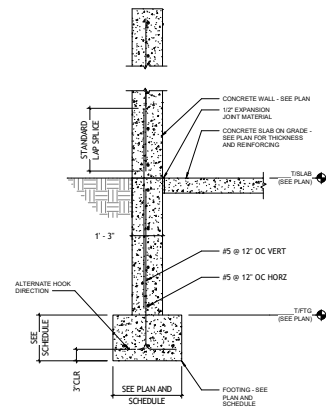
- DESIGN STRUCTURAL PRECAST TO COMPLY WITH ACI 318 AND PCI MNL 120 "PCI DESIGN HANDBOOK - PRECAST AND PRESTRESSED CONCRETE - PRECAST STRUCTURAL CONCRETE COMPONENTS SHALL BE DESIGNED BY THE PRECAST MANUFACTURER'S QUALIFIED STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. PROVIDE COMPREHENSIVE ENGINEERING ANALYSIS AND DESIGN USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
- PRECAST STRUCTURAL CONCRETE MATERIAL STANDARDS:
 - A. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 5,000 PSI
 - B. REINFORCING BARS: ASTM A615
 - C. LOW-ALLOY WELDABLE REINFORCING BARS: ASTM A706 - 60,000 PSI
 - D. PRESTRESSING STEEL WIRE, MINIMUM ULTIMATE STRENGTH: ASTM A416 - 270,000 PSI
- PRECAST MANUFACTURER SHALL BE A PCI CERTIFIED PLANT. PRECAST STRUCTURAL CONCRETE COMPONENTS SHALL BE FABRICATED TO COMPLY WITH PCI MNL 116 "MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF STRUCTURAL PRECAST CONCRETE PRODUCTS."
- DESIGN PRECAST STRUCTURAL CONCRETE FRAMING SYSTEM AND CONNECTIONS TO MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR FABRICATION AND CONSTRUCTION TOLERANCES, TO ACCOMMODATE LIVE LOAD DEFLECTIONS, SHRINKAGE, CREEP AND OTHER BUILDING MOVEMENTS. MAINTAIN DEFLECTION LIMITS OF ACI 318
- ALL PRECAST BEARING CONDITIONS SHALL USE A BEARING PAD AS RECOMMENDED BY THE PRECAST MANUFACTURER FOR THE APPLICATION. STEEL SHIMS ARE NOT ALLOWED.
- CAST-IN ANCHORS, INSERTS, PLATES ANGLES OR OTHER ANCHORAGE HARDWARE WITH SUFFICIENT ANCHORAGE AND EMBEDMENT TO COMPLY WITH DESIGN REQUIREMENTS.
- DO NOT INSTALL PRECAST CONCRETE UNITS UNTIL SUPPORTING STRUCTURE IS COMPLETE AND STRUCTURALLY READY TO RECEIVE LOADS FROM PRECAST. CAST-IN-PLACE CONCRETE SHALL HAVE ACHIEVED SPECIFIED DESIGN STRENGTH WITH TESTING CONFIRMATION PERFORMED.
- ERECT PRECAST STRUCTURAL CONCRETE LEVEL, PLUMB, AND SQUARE WITHIN ACI TOLERANCES. PROVIDE TEMPORARY FRAMING, SHORING, AND BRACING AS REQUIRED TO MAINTAIN POSITION, STABILITY AND ALIGNMENT OF UNITS UNTIL PERMANENT CONNECTIONS ARE COMPLETED.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXPOSED SURFACE FINISHES, TEXTURES, REVEALS, ETC.

CAST-IN-PLACE CONCRETE

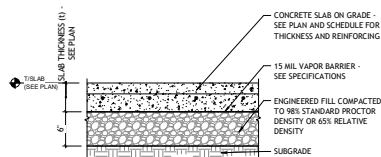
- ALL CONCRETE SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 301, ACI 305.1, ACI 308.1, ACI 315, AND ACI 318 UNLESS NOTED OTHERWISE.
- CONCRETE COMPRESSIVE STRENGTH (28 DAY)(FC)
 - FOOTINGS 4000 PSI
 - FOUNDATION WALLS AND PIERS 4000 PSI
 - SLAB ON GRADE 4000 PSI
- CONCRETE REINFORCEMENT STANDARDS:
 - DEFORMED BARS: ASTM A615 Fy = 60 KSI
 - WELDED WIRE REINFORCEMENT (WWR): ASTM A1064 Fy = 65 KSI
- REINFORCEMENT PROTECTION
 - A. CONCRETE PLACED AGAINST EARTH - 3"
 - B. CONCRETE PLACED IN FORMS BUT EXPOSED TO WEATHER OR EARTH:
 - a. BARS #5 AND SMALLER - 1 1/2"
 - b. BARS LARGER THAN #5 - 2"
 - C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - a. SLABS, WALLS, AND JOISTS - 3/4"
 - b. BEAMS, COLUMNS - 1 1/2"
- WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE, NUMBER AND SPACING OF THE MAIN REINFORCING UNLESS NOTED OTHERWISE.
- ALL SPLICES, STANDARD HOOKS, AND DEVELOPMENT LENGTHS TO BE PER THE REFERENCED EDITION OF ACI 318. MAKE BARS CONTINUOUS AROUND CORNERS. ALL SPLICES SHALL BE BY CONTACT LAP.
- ALL SPLICES SHALL BE A CLASS "B" TENSION SPLICE AS DEFINED IN ACI 318. PROVIDE LAP SPLICES LENGTHS AS FOLLOWS:
- WALLS AND GRADE BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE.
- THERE SHALL BE NO ADDITIONAL OPENINGS LARGER THAN 10" IN CONCRETE WALLS AND SLABS NOT SHOWN. REFER TO CONCRETE OPENING DETAIL FOR ADDITIONAL REINFORCEMENT AROUND OPENINGS.

FOUNDATIONS - SLAB ON GRADE

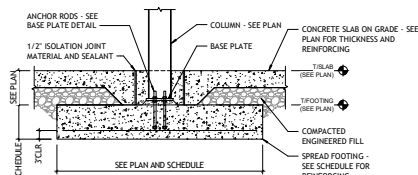
- CONCRETE SLAB ON GRADE SHALL BE PLACED ON A 6" WELL GRADED COMPACTED GRANULAR FILL SUB-BASE.
- PLACE ALL SLABS ON GRADE WITH AN APPROVED JOINT PATTERN SUBMITTED BY CONTRACTOR AND APPROVED BY ENGINEER. SEQUENCE OF CONSTRUCTION AND CONTROL JOINTS SHALL BE PLACED TO MINIMIZE SHRINKAGE CRACKS.
- CONCRETE SLAB ON GRADES SHALL HAVE CONTROL JOINTS SAW CUT OR TOOLED.
- FLOOR FINISHES SHALL BE STEEL TROWELED FOR ALL INTERIORS AND BROOM FINISHED FOR ALL EXTERIORS UNLESS NOTED OTHERWISE.
- SLOPE SLABS TO DRAINS TO CREATE POSITIVE DRAINAGE. PROVIDE DEPRESSIONS WHERE INDICATED ON ARCHITECTURAL DRAWINGS, WHILE MAINTAINING THE THICKNESS OF THE CONCRETE SLAB.



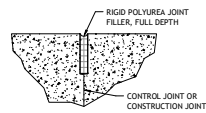
1 TYPICAL FOUNDATION WALL & FOOTING
1'-3" x 1'-0"



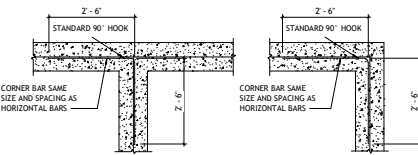
2 TYPICAL SLAB ON GRADE SECTION
1 1/2' x 1'-0"



3 TYPICAL COLUMN ON FOOTING
3/4' x 1'-0"



4 TYPICAL CONTROL/CONSTRUCTION JOINT
1 1/2' x 1'-0"



5 TYPICAL WALL CORNER DETAILS
3/4' x 1'-0"

No.	Description	Date

CITY OF BONDURANT
PUBLIC WORKS
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FOUNDATION
DETAILS

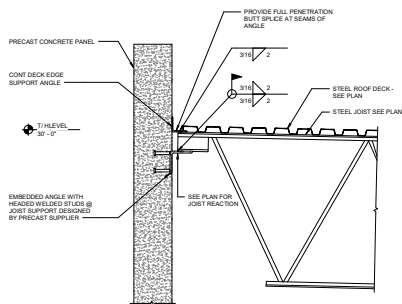
Project Number	01092001
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S300	
Scale	As indicated

STEEL DECK

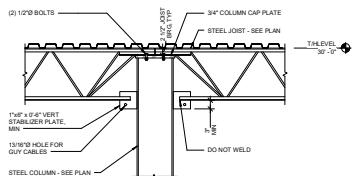
THE METAL DECKS SPECIFIED ARE MANUFACTURED BY NUJOC VULCRAFT. THE DECKS ARE DESIGNED FOR GRAVITY AND WIND LOADS. THE DECKS OF THE TWO ROOF HEIGHTS ARE AS FOLLOWS.

- A. EQUIPMENT AREA DECK 18 GA. 3.5D-24 GRADE 40
- B. OFFICE AREA DECK 20 GA. 1.0C-32 GRADE 80 NC

- ALL METAL DECK SHALL BE DESIGNED, MANUFACTURED, AND INSTALLED IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE STEEL DECK INSTITUTE - "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH ELECTRICAL DISTRIBUTION" AND UNDERWRITER REQUIREMENTS (I.E. FACTORY MUTUAL).
- PROVIDE METAL DECK MANUFACTURED BY A MEMBER OF THE STEEL DECK INSTITUTE OF THE TYPE AND GAUGE INDICATED ON THE DRAWINGS.
- MINIMUM DECK BEARING ON STEEL MEMBERS SHALL BE 1"1/2". INSTALL DECK WITH A MINIMUM 7" END LAPS CENTERED OVER SUPPORT MEMBERS.
- DECK MANUFACTURER SHALL PROVIDE ALL RIDGE AND VALLEY PLATES, FLOOR DECK FILLERS, AND COLUMN CLOSURES NECESSARY TO COMPLETE THE DECK INSTALLATION. ALL DECK AND ACCESSORIES SHALL BE GALVANIZED, 20 GA. MINIMUM.
- WHERE NOT INDICATED IN THE DRAWINGS, ATTACH ROOF DECK TO SUPPORTING STEEL MEMBERS WITH EITHER PUDDLE WELDS OR POWDER ACTUATED FASTENERS:
 - A. APPROVED EQUIVALENT POWDER ACTUATED FASTENERS THAT MEET THE SAME CAPACITY VALUES AS WELDED CONNECTIONS.
 - B. DO NOT HANG ANY PIPING, DUCT WORK OR EQUIPMENT GREATER THAN 50LBS FROM STEEL ROOF DECK.



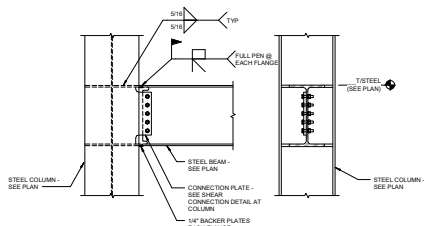
① PRECAST JOIST CONNECTION
1" = 1'-0"



③ TYPICAL JOIST AT COLUMN
3/4" = 1'-0"

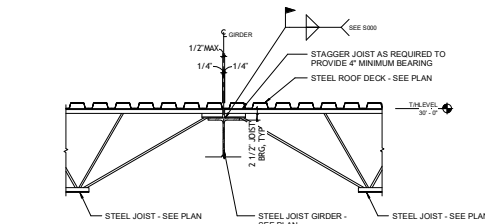
STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL CONFORM TO THE REFERENCED EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- STRUCTURAL STEEL MATERIAL STANDARDS
WIDE FLANGE SECTIONS ASTM A992 Fy = 50
KI, ANGLES, CHANNELS & PLATES ASTM A36 Fy = 36
KI, CAP AND BASE PLATE ASTM A36 Fy = 36 KSI
GUSSET PLATES ASTM A36 Fy = 36 KSI
STIFFENER PLATES ASTM A36 Fy = 36 KSI
CONNECTION PLATES AND ANGLES ASTM A36 Fy = 36 KSI
- STRUCTURAL STEEL CONNECTION STANDARDS
HIGH STRENGTH BOLTS ASTM F3125 GRADE A325
HIGH STRENGTH BOLTS ASTM F3125 GRADE A490
TENSION CONTROL BOLTS/NUT/WASHER ASTM F1852
HEAVY HEX NUT ASTM A563
WASHERS ASTM F436
ANCHOR RODS ASTM F1554 GRADE 36
HEADED WELDED STUDS ASTM A108 TYPE B
WELDING ELECTRODES (CARBON STEEL) AWS 5.1, E70XX
WELDING ELECTRODES (STAINLESS STEEL)
- ALL HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH RCSC - "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" - SEE DRAWINGS FOR BOLTS SIZES. USE 3/4" DIAMETER, A325 BOLTS UNLESS NOTED OTHERWISE.
- ALL MISCELLANEOUS STEEL, AS SHOWN OR REFERENCED ON THE ARCHITECTURAL DRAWINGS SHALL BE FABRICATED AND INSTALLED AS PART OF THE STRUCTURAL STEEL.
- CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORES, GUYS, BRACES AND OTHER SUPPORTS DURING ERECTION TO KEEP STRUCTURAL STEEL SECURE, PLUMB AND IN ALIGNMENT AGAINST TEMPORARY CONSTRUCTION LOADS AND LOADS EQUAL TO DESIGN LOADS. REMOVE ALL TEMPORARY SUPPORTS WHEN PERMANENT STRUCTURAL STEEL FRAMING AND CONNECTIONS ARE COMPLETED.
- MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL WITHIN AISC 303 - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

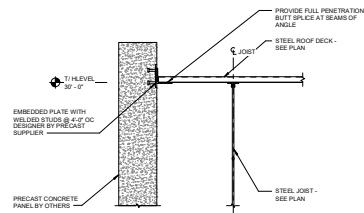


- NOTES:
1. MATCH LARGER FLANGE THICKNESS FOR STIFFENER PLATE THICKNESS.
2. BACKING SHALL BE USED FOR ALL FULL PENETRATION WELDS.

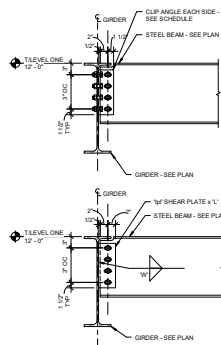
④ TYPICAL MOMENT CONNECTION INTO WEB
3/4" = 1'-0"



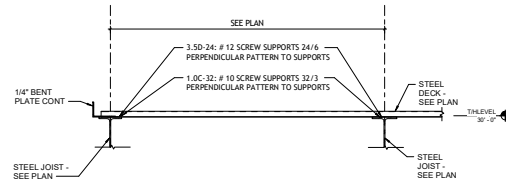
⑤ TYPICAL JOIST/GIRDER CONNECTION
1" = 1'-0"



① PRECAST DECK CONNECTION
1" = 1'-0"



④ TYPICAL SHEAR CONNECTION
1" = 1'-0"



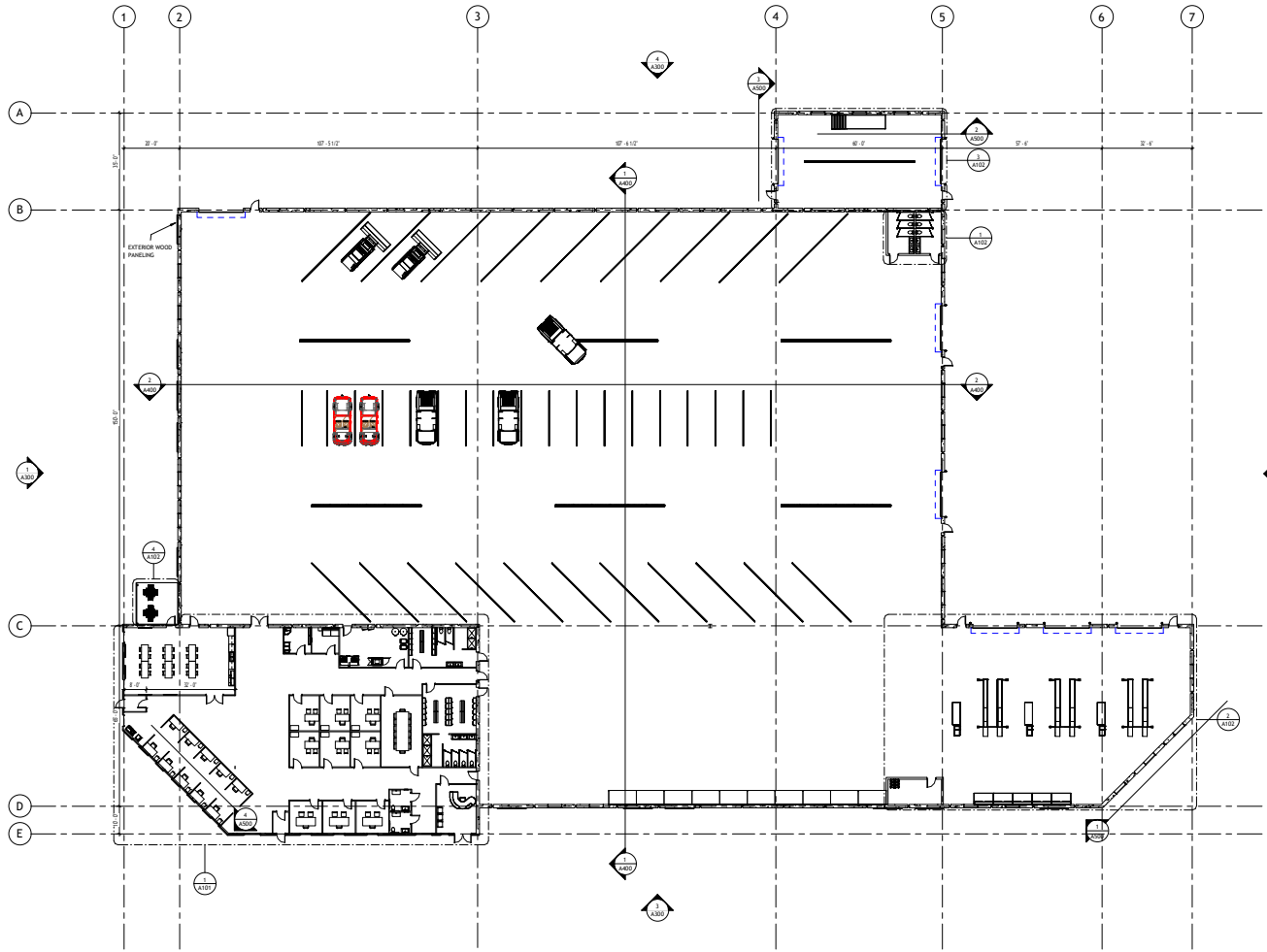
⑦ ROOF DECKING DETAIL
1" = 1'-0"

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CITY OF BONDURANT
PUBLIC WORKS FACILITY
FRAMING DETAILS

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Checked by ---
S301
Scale As indicated

4/17/2024 6:51:00 AM



LEVEL ONE FLOOR PLAN
1/16" = 1'-0"

Consultant
Address
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Phone

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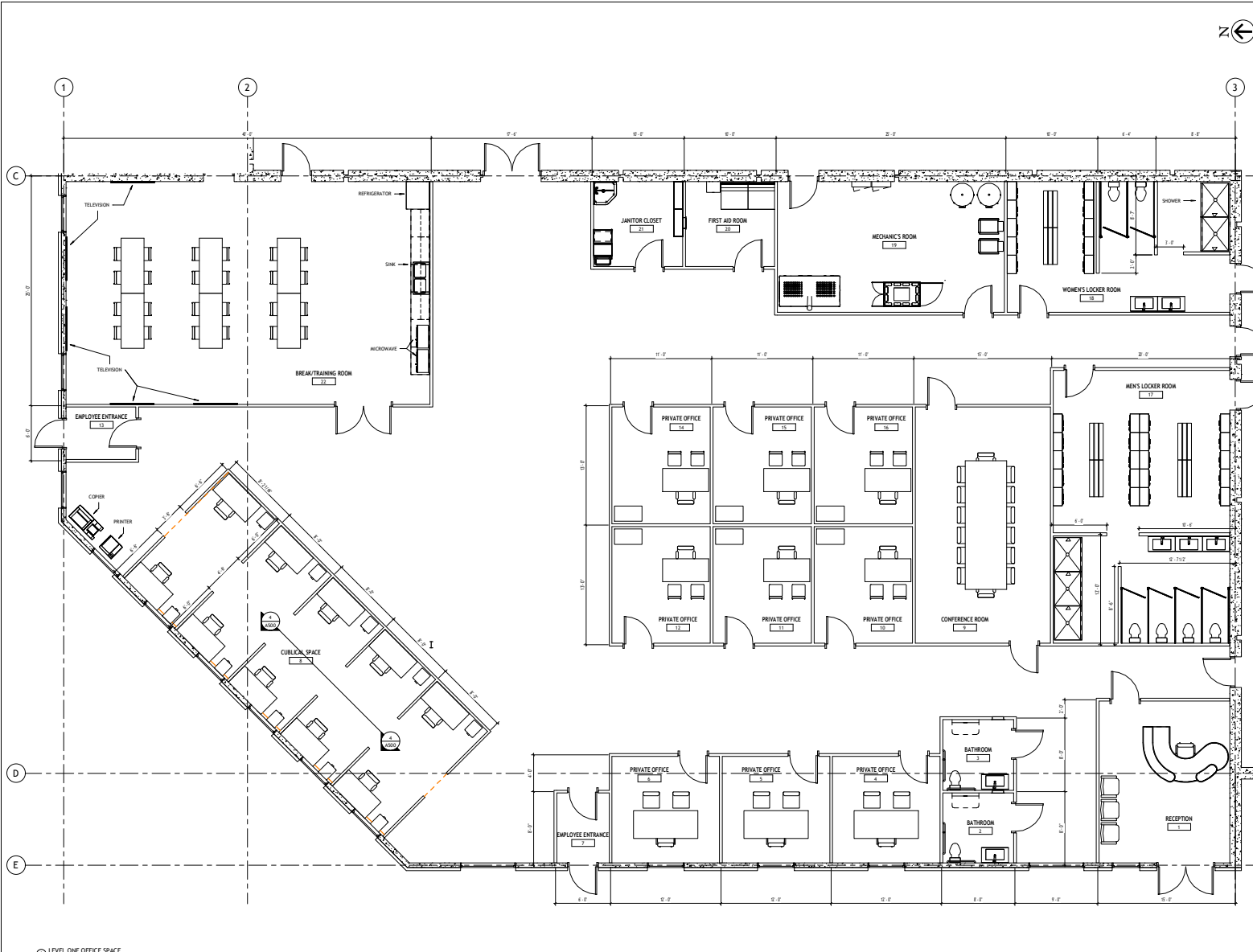
CITY OF BONDURANT
PUBLIC WORKS FACILITY
LEVEL ONE FLOOR PLAN

Project Number 01092001
Date 05/05/2024
Drawn By OGM
Checked by LWM

A100

Scale 1/16" = 1'-0"

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No.	Description	Date

CITY OF BONDURANT
PUBLIC WORKS FACILITY
LEVEL ONE OFFICE SPACE

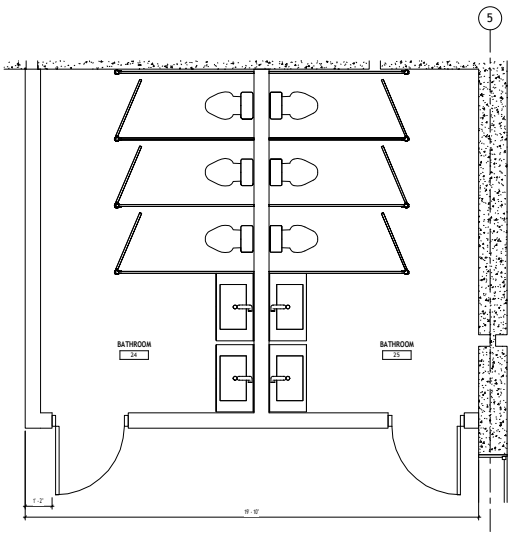
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Checked By LWL

A101

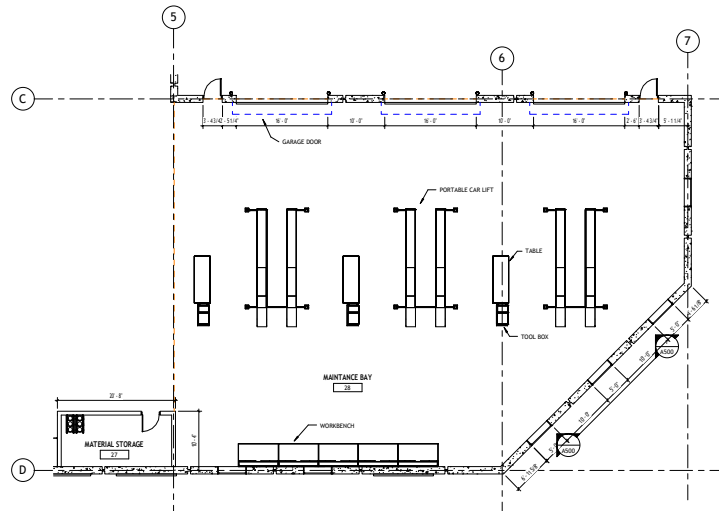
Scale 1/4" = 1'-0"

① LEVEL ONE OFFICE SPACE
1/4" = 1'-0"

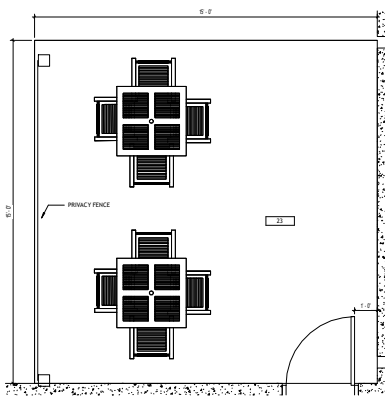
4/17/2024 16:27:10 AM



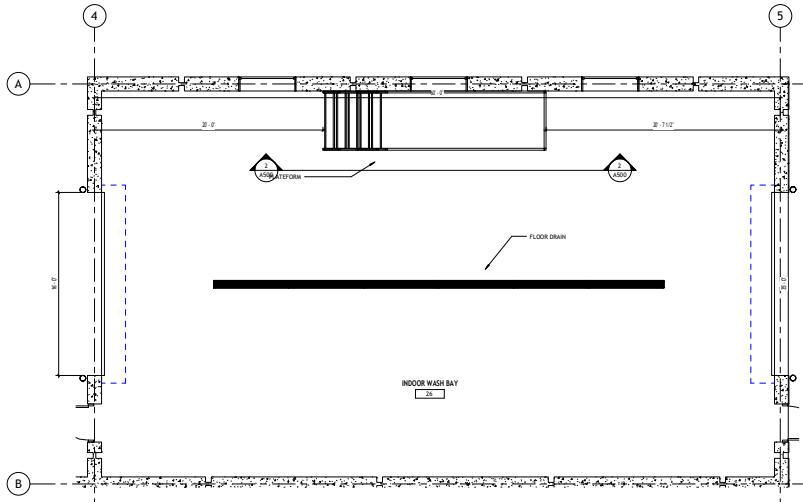
① LEVEL ONE WAREHOUSE BATHROOM
1/2" = 1'-0"



② LEVEL ONE MECHANICS BAY
1/8" = 1'-0"



④ LEVEL ONE PATIO
1/2" = 1'-0"



③ LEVEL ONE WASH BAY
1/4" = 1'-0"



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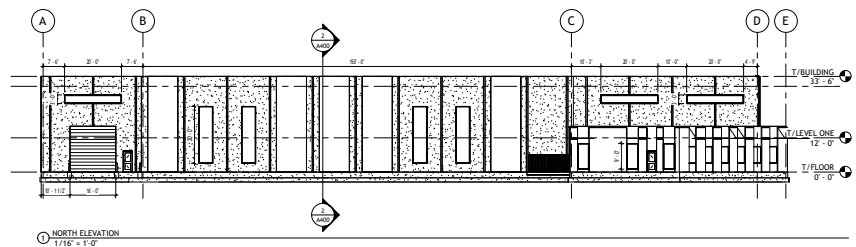
CITY OF BONDURANT
PUBLIC WORKS FACILITY
LEVEL ONE
DETAILED PLANS

Project Number 01092001
 Date 05/05/2024
 Drawn By OGM
 Checked By LWM

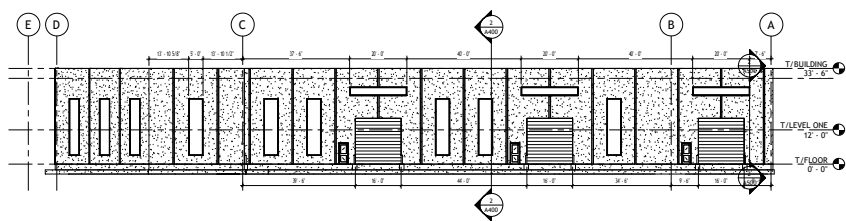
A102

Scale As indicated

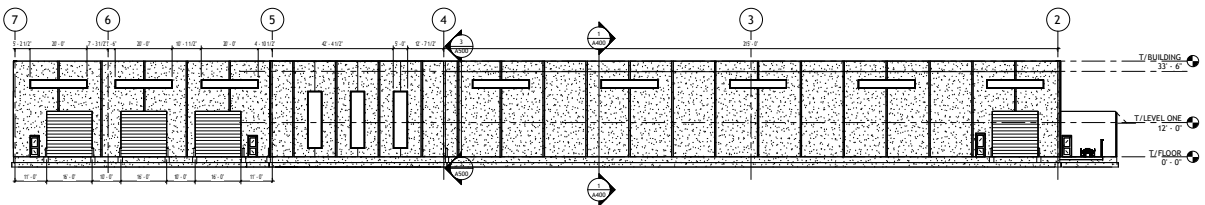
4/17/2024 8:27:15 AM



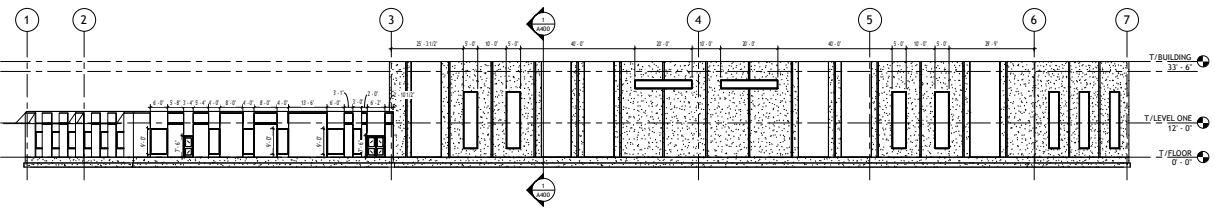
① NORTH ELEVATION
1/16" = 1'-0"



② SOUTH ELEVATION
1/16" = 1'-0"



③ EAST ELEVATION
1/16" = 1'-0"



④ WEST ELEVATION
1/16" = 1'-0"

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CITY OF BONDURANT

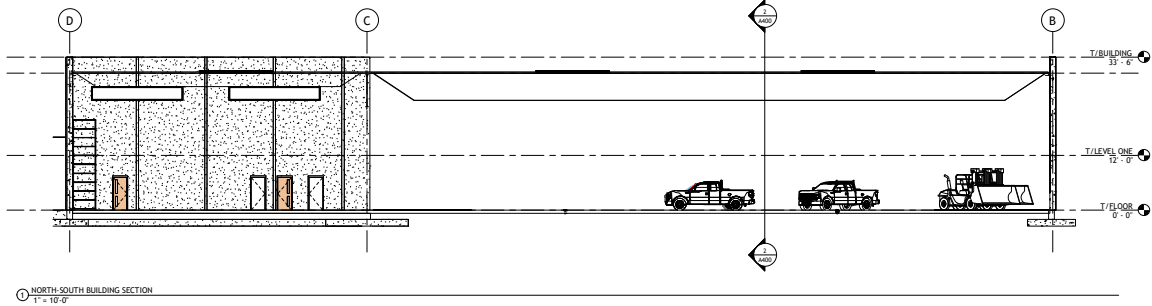
**PUBLIC WORKS
FACILITY**

**EXTERIOR
ELEVATIONS**

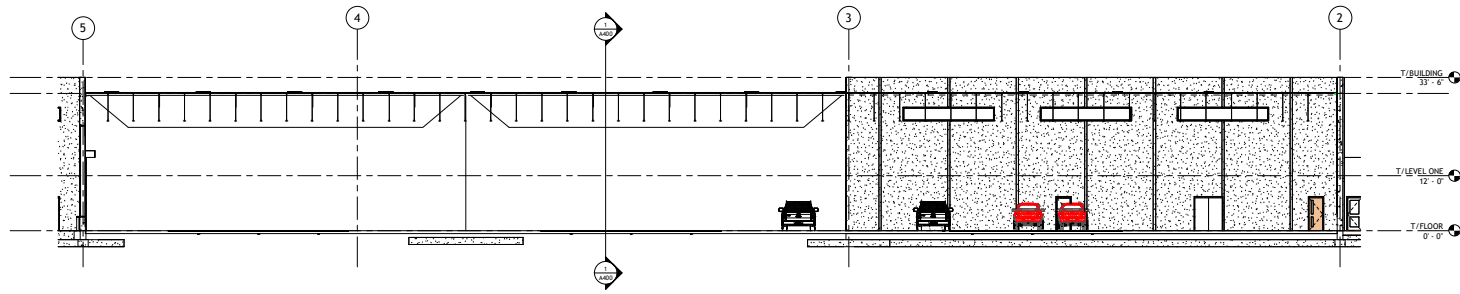
Project Number 01092001
 Date 05/05/2024
 Drawn By OGM
 Checked By LWM

A300

Scale 1/16" = 1'-0"



① NORTH-SOUTH BUILDING SECTION
1" = 10'-0"



② EAST-WEST BUILDING SECTION
1" = 10'-0"

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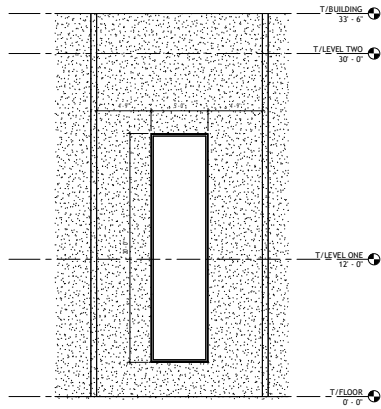
CITY OF BONDURANT
PUBLIC WORKS
FACILITY
BUILDING SECTIONS

Project Number 01092001
Date 05/05/2024
Drawn By OGM
Checked by LWM

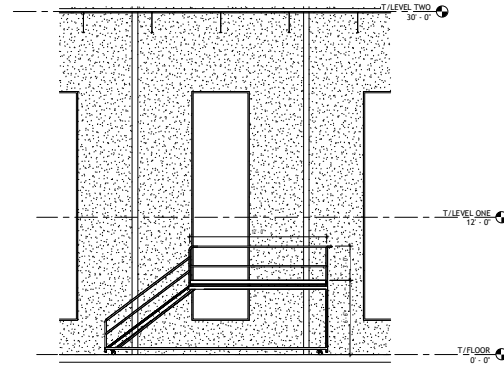
A400

Scale 1" = 10'-0"

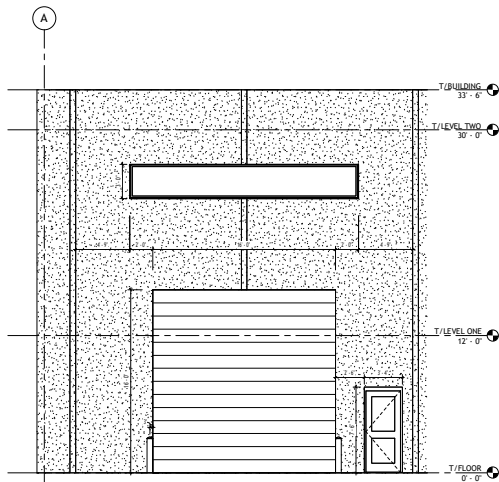
4/17/2024 10:26:57 AM



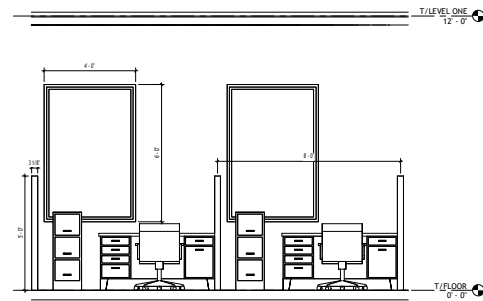
1 TYPICAL VERTICAL WINDOW
1/4" = 1'-0"



2 HASH BAY PLATFORM
1/4" = 1'-0"



3 TYPICAL GARAGE AND MANDOOR
1/4" = 1'-0"



4 TYPICAL CUBICLE
1/2" = 1'-0"

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CITY OF BONDURANT
PUBLIC WORKS
FACILITY

ARCHITECTUAL
DETAILS

Project Number 01092001
Date 05/05/2024
Drawn By OGM
Checked By LWM

A500

Scale As indicated

4/17/2024 16:27:07 AM

Room Finish Schedule				
Room Name	Number	Area	WALL FINISH	FLOOR FINISH
RECEPTION	1	250 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
BATHROOM	2	58 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
BATHROOM	3	59 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
PRIVATE OFFICE	4	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	5	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	6	136 SF	PAINT COLOR: LINEN	CARPET
EMPLOYEE ENTRANCE	7	43 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
CUBICAL SPACE	8	620 SF	PAINT COLOR: DARK GREY	CARPET
CONFERENCE ROOM	9	378 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	10	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	11	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	12	136 SF	PAINT COLOR: LINEN	CARPET
EMPLOYEE ENTRANCE	13	43 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
PRIVATE OFFICE	14	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	15	136 SF	PAINT COLOR: LINEN	CARPET
PRIVATE OFFICE	16	136 SF	PAINT COLOR: LINEN	CARPET
MEN'S LOCKER ROOM	17	563 SF	WHITE SQUARE TILE	WHITE SQUARE TILE
WOMEN'S LOCKER ROOM	18	337 SF	WHITE SQUARE TILE	WHITE SQUARE TILE
MECHANIC'S ROOM	19	351 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
FIRST AID ROOM	20	89 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
JANITOR CLOSET	21	89 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
BREAK/TRAINING ROOM	22	959 SF	PAINT COLOR: LINEN	WOOD FLOORS: OAK
	23	225 SF	PRE-CAST CONCRETE PANEL	CAST-IN-PLACE CONCRETE SLAB
BATHROOM	24	140 SF	PAINT COLOR: POWERED GREY	CAST-IN-PLACE CONCRETE SLAB
BATHROOM	25	138 SF	PAINT COLOR: POWERED GREY	CAST-IN-PLACE CONCRETE SLAB
INDOOR WASH BAY	26	1987 SF	PRE-CAST CONCRETE PANEL	CAST-IN-PLACE CONCRETE SLAB
MATERIAL STORAGE	27	175 SF	PAINT COLOR: POWERED GREY	CAST-IN-PLACE CONCRETE SLAB
MAINTANCE BAY	28	5173 SF	PRE-CAST CONCRETE PANEL	CAST-IN-PLACE CONCRETE SLAB
FACILITY WAREHOUSE	29	51083 SF	PRE-CAST CONCRETE PANEL	CAST-IN-PLACE CONCRETE SLAB

Door Schedule			
Family	Count	Height	Width
Door-Exterior-Double-Two_Lite	1	7' - 2"	6' - 0"
Door-Exterior-Single-Two_Lite	10	<varies>	3' - 0"
Door-Overhead-Rolling	8	16' - 0"	16' - 0"
Door-Passage-Double-Flush	2	7' - 2"	6' - 0"
Door-Passage-Single-Flush	13	7' - 2"	3' - 0"
Door-Passage-Single-Two_Lite_Narrow	17	7' - 2"	3' - 0"

Window Schedule				
Family	Width	Height	Count	Sill Height
Instance-Window-Fixed	3' - 0"	9' - 0"	1	1' - 0"
Instance-Window-Fixed	4' - 0"	6' - 0"	6	3' - 0"
Instance-Window-Fixed	4' - 0"	9' - 0"	6	1' - 0"
Instance-Window-Fixed	5' - 0"	20' - 0"	20	3' - 0"
Instance-Window-Fixed	6' - 0"	9' - 0"	2	1' - 0"
Instance-Window-Fixed	20' - 0"	3' - 0"	19	12' - 0"

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CITY OF BONDURANT

PUBLIC WORKS FACILITY

FINISH SCHEDULES

Project Number: 01092001
Date: 05/05/2024
Drawn By: OGM
Checked By: LWM

A600

Scale: