Farnsworth GROUP

BID SET
02/09/2024

Bishop Engineering · IMEG · kpff · RIPPE ASSOCIATES FOODSERVICE DESIGN + CONSULTING · Farnsworth GROUP

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

ARCHITECT:
FARNSWORTH GROUP
14225 University Ave
Ste 110
Waukee, IA 50263

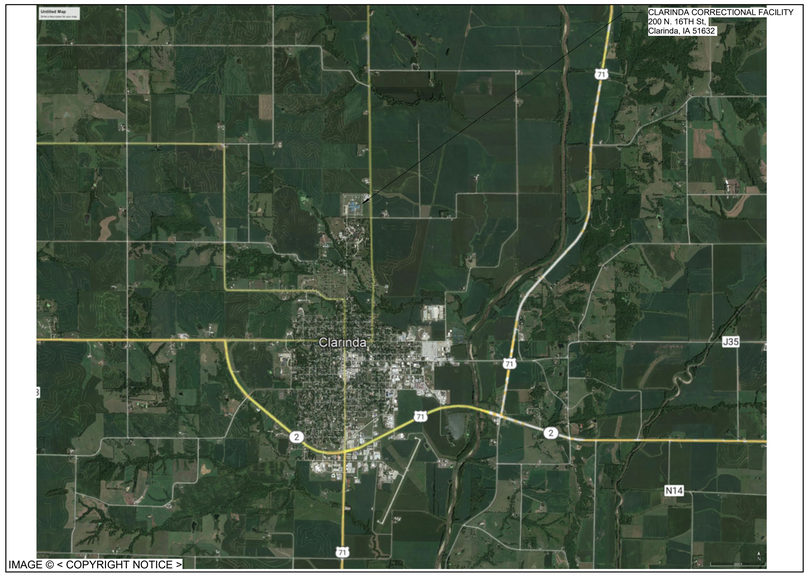
CONSULTANT:
RIPPE ASSOCIATES
10400 Yellow Circle Drive
Ste 100
Minneapolis, MN 55343

ENGINEERS:
BISHOP ENGINEERING
3501 104th St,
Urbandale, IA 50322

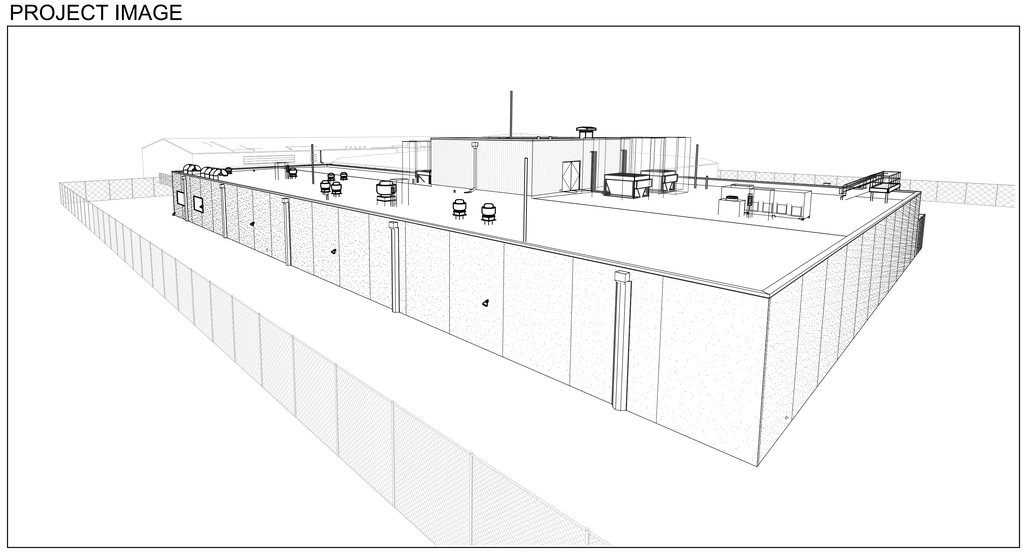
KPFF CONSULTING ENGINEERS
604 Locust St
Ste. 202
Des Moines, IA 50309

IMEG
2882 106th St
Des Moines, IA 50263

LOCATION MAP



PROJECT IMAGE



PROFESSIONAL REGISTRATIONS

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
SIGNED: Seth V. Sunderman DATE: 2/6/2024
SETH V. SUNDERMAN, P.E. 23468
LICENSE RENEWAL DATE: DEC. 31, 2025
PAGES OR SHEETS COVERED BY THIS SEAL: C0.1, C1.1, C2.1, C3.1, C4.1, C5.1, C6.1, C6.2, C7.1

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA
2/6/2024
NATHAN T. KRESS (DATE)
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2025
PAGES OR SHEETS COVERED BY THIS SEAL
S SERIES STRUCTURAL

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct personal supervision and responsible charge. I am a duly licensed architect under the laws of the state of Iowa.
Signature: 2/6/2024
ROBERT C. RIDGWAY Date
License Expires: June 30, 2025
Pages or sheets covered by this seal: G SERIES GENERAL, LS SERIES LIFE SAFETY AND A SERIES ARCHITECTURAL

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. 02/06/2024
ERIC J. HENDERSON DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2025
PAGES OR SHEETS COVERED BY THIS SEAL:
M SERIES MECHANICAL, P SERIES PLUMBING AND F SERIES FIRE PROTECTION DRAWINGS

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. 02/06/2024
KRISTEN SPINA DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2025
PAGES OR SHEETS COVERED BY THIS SEAL:
E SERIES ELECTRICAL AND T SERIES TECHNOLOGY DRAWINGS

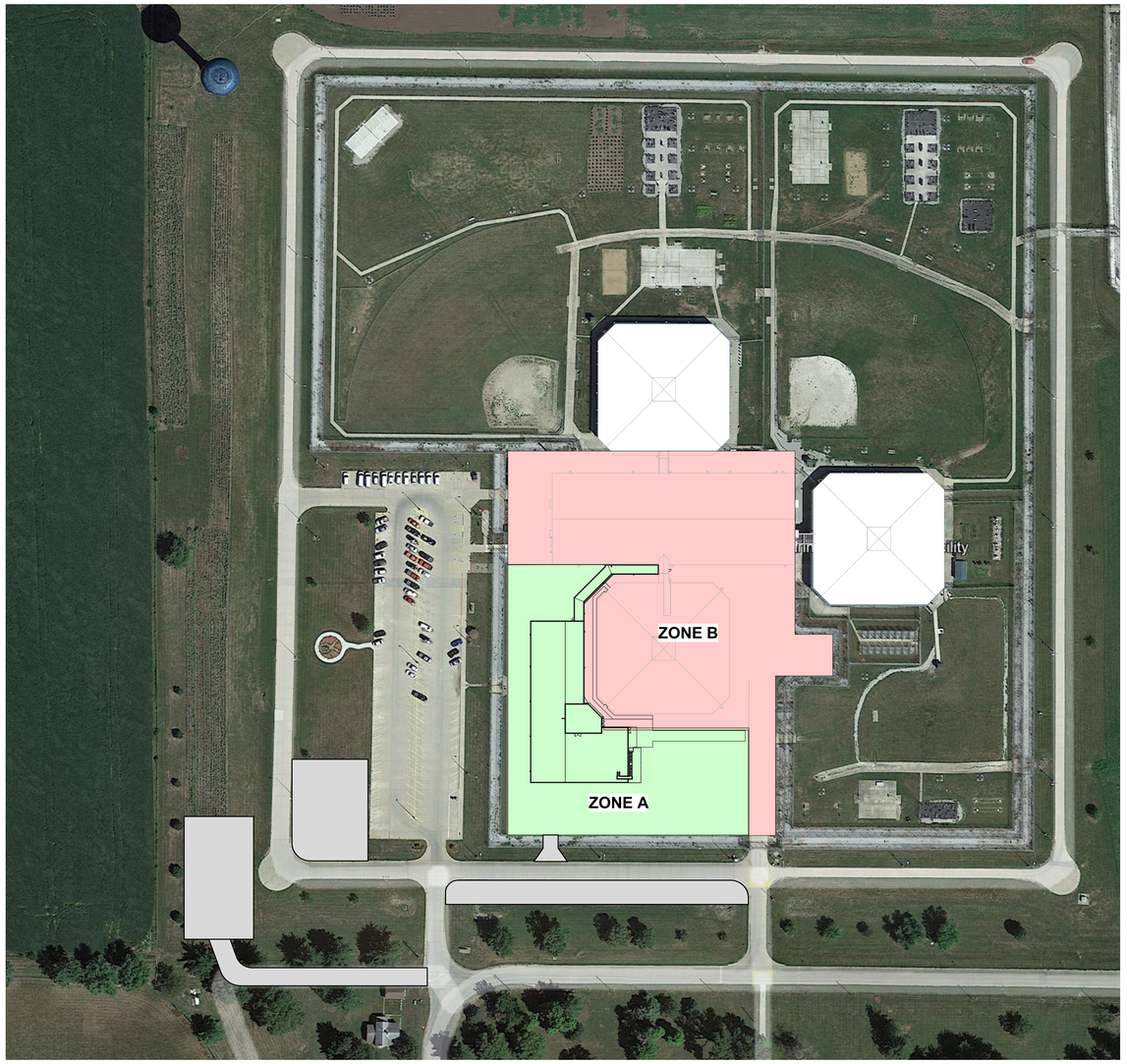
PROJECT NO.: 0240202.00

DATE: 02/09/2024

RFB922300-02

BID SET
CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION
STATE OF IOWA
DEPARTMENT OF CORRECTIONS

2/5/2024 11:32:02 AM



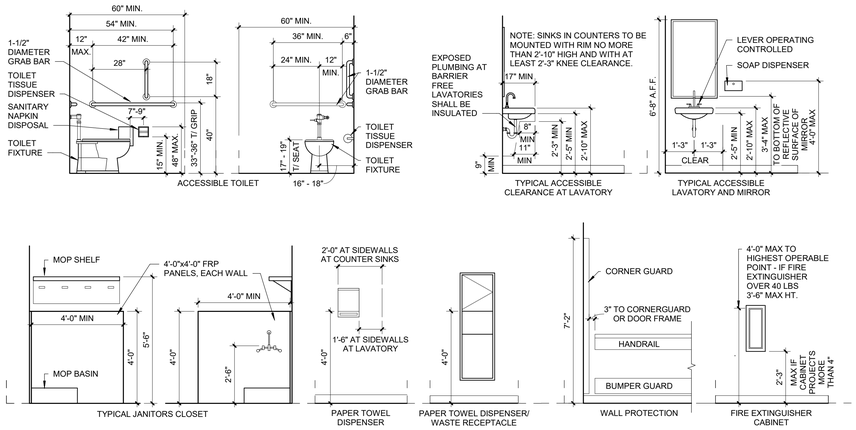
NOTES:
1. REF CIVIL DWGS FOR SITE LAYOUT AND CONSTRUCTION PREP AREAS
2. ZONE A: CONSTRUCTION ZONE
3. ZONE B: RESTRICTED CONSTRUCTION ZONE WITH TOOL CONTROL

1 OVERALL FACILITY MAP

SCALE: 1" = 80'-0"

0 4 8 16

PLAN NORTH



NOTES:
1. FIXTURES SHOWN ARE FOR REFERENCE ONLY AND ARE NOT PROJECT SPECIFIC. SEE PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES.
2. MOUNTING HEIGHTS ARE TO BE COMPLIANT WITH 2010 ADA AND ICC/ANSI A117.1-2007. PROVIDE ALL NECESSARY CONCEALED BLOCKING AND REINFORCEMENT FOR THE SECURE INSTALLATION OF ALL EQUIPMENT AND ACCESSORIES.
3. EXPOSED PLUMBING BARRIER FREE LAVATORIES MUST BE INSULATED OR OTHERWISE CONFIGURED TO ELIMINATE POSSIBLE CONTACT.
4. SEE TOILET ACCESSORY SCHEDULE AND RESTROOM ELEVATIONS, **A8.1**

2 STANDARD MOUNTING HEIGHTS

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

DRAWING LIST

GENERAL
- G0.1 GENERAL INFORMATION
- LS1.1 FIRST FLOOR LIFE SAFETY

CIVIL
- C0.1 CIVIL INFORMATION
- C1.1 EX. CONDITIONS & DEMO PLAN
- C2.1 LAYOUT PLAN
- C3.1 GRADING PLAN
- C4.1 UTILITY PLAN
- C5.1 LANDSCAPE PLAN
- C6.1 DETAILS SHEET
- C6.2 DETAILS SHEET
- C7.1 SWPPP

STRUCTURAL
- S0.1 STRUCTURAL NOTES
- S1.1 FOUNDATION PLAN - AREA 'A'
- S1.2 FOUNDATION PLAN - AREA 'B'
- S1.3 LOW ROOF FRAMING PLAN - AREA 'A'
- S1.4 LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA 'B'
- S1.5 PENTHOUSE ROOF FRAMING & PRECAST SHEAR WALL LOCATIONS PLANS
- S2.1 STRUCTURAL FRAMING ELEVATIONS & DETAILS
- S5.1 STRUCTURAL DETAILS
- S5.2 STRUCTURAL DETAILS
- S5.3 STRUCTURAL DETAILS
- S5.4 STRUCTURAL DETAILS
- S5.5 STRUCTURAL DETAILS

ARCHITECTURAL
- A0.1 GENERAL INFORMATION
- AD1.1 DEMOLITION PLANS
- A1.1 LEVEL 1 FLOOR PLAN - AREA 'A'
- A1.2 LEVEL 1 FLOOR PLAN - AREA 'B'
- A1.3 LEVEL 2 FLOOR PLAN
- A2.1 ROOF PLAN - AREA 'A'
- A2.2 ROOF PLAN - AREA 'B'
- A3.1 EXTERIOR ELEVATIONS
- A4.1 BUILDING SECTIONS
- A5.1 WALL SECTIONS
- A5.2 WALL SECTIONS
- A5.3 DETAILS
- A6.1 VERTICAL CIRCULATION PLANS, SECTIONS AND DETAILS
- A7.1 PARTITION TYPES
- A7.2 DOOR SCHEDULE, ELEVATIONS AND DETAILS
- A8.1 INTERIOR ELEVATIONS, ENLARGED PLANS & CASEWORK DETAILS
- A9.1 FIRST FLOOR REFLECTED CEILING PLAN - AREA 'A'
- A9.2 FIRST & SECOND FLOOR REFLECTED CEILING PLAN - AREA 'B'
- A9.3 FIRST FLOOR FINISH PLAN

FOODSERVICE
- FS100 FOODSERVICE EQUIPMENT OVERALL PLAN
- FS101 FOODSERVICE EQUIPMENT PLAN AND SCHEDULE - AREA 1
- FS102 FOODSERVICE EQUIPMENT PLAN AND SCHEDULE - AREA 2
- FS103 FOODSERVICE EQUIPMENT PLAN AND SCHEDULE - AREA 3
- FS200 FOODSERVICE EQUIPMENT ELEVATIONS AND SECTIONS
- FS201 FOODSERVICE EQUIPMENT ELEVATIONS AND SECTIONS
- FS202 FOODSERVICE EQUIPMENT ELEVATIONS AND SECTIONS
- FS203 FOODSERVICE EQUIPMENT ELEVATIONS AND SECTIONS
- FS300 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS DETAILS AND PLAN - AREA 1
- FS301 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN - AREA 2
- FS302 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN - AREA 3
- FS400 FOODSERVICE EQUIPMENT STANDARD DETAILS
- FS401 FOODSERVICE EQUIPMENT STANDARD DETAILS
- FS402 FOODSERVICE EQUIPMENT STANDARD DETAILS
- FSE100 FOODSERVICE EQUIPMENT ELECTRICAL SCHEDULE & DETAILS
- FSE101 FOODSERVICE EQUIPMENT ELECTRICAL DETAILS - UDS #41A
- FSE102 FOODSERVICE EQUIPMENT ELECTRICAL DETAILS - UDS #41B
- FSE103 FOODSERVICE EQUIPMENT ELECTRICAL DETAILS - UDS #150
- FSE104 FOODSERVICE EQUIPMENT ELECTRICAL DETAILS - UDS #150
- FSE105 FOODSERVICE EQUIPMENT ELECTRICAL DETAILS - UDS #150
- FSE106 FOODSERVICE EQUIPMENT ELECTRICAL PLAN - AREA 1
- FSE107 FOODSERVICE EQUIPMENT ELECTRICAL PLAN - AREA 2
- FSE108 FOODSERVICE EQUIPMENT ELECTRICAL PLAN - AREA 3
- FSM100 FOODSERVICE EQUIPMENT MECHANICAL SCHEDULE
- FSM101 FOODSERVICE EQUIPMENT MECHANICAL DETAILS
- FSM102 FOODSERVICE EQUIPMENT MECHANICAL PLAN - AREA 1
- FSM103 FOODSERVICE EQUIPMENT MECHANICAL PLAN - AREA 2
- FSM104 FOODSERVICE EQUIPMENT MECHANICAL PLAN - AREA 3

FIRE PROTECTION
- F0.0 FIRE PROTECTION COVERSHEET
- F1.1 LEVEL 01 PLAN - AREA A - FIRE PROTECTION
- F1.2 LEVEL 01 PLAN - AREA B - FIRE PROTECTION
- F1.3 LEVEL 02 PLAN - AREA A - FIRE PROTECTION
- F1.4 LEVEL 02 PLAN - AREA B - FIRE PROTECTION
- F4.1 FIRE PROTECTION DETAILS & SCHEDULES

PLUMBING
- P0.0 PLUMBING COVERSHEET
- PD1.1 LEVEL 01 DEMOLITION PLAN - PLUMBING
- P0.1 UNDERFLOOR PLAN - AREA A - PLUMBING
- P0.2 UNDERFLOOR PLAN - AREA B - PLUMBING
- P1.1 LEVEL 01 PLAN - AREA A - PLUMBING
- P1.2 LEVEL 01 PLAN - AREA B - PLUMBING
- P1.3 LEVEL 02 PLAN - AREA A - PLUMBING
- P1.4 LEVEL 02 PLAN - AREA B - PLUMBING
- P3.0 ENLARGED PLAN - PLUMBING
- P3.1 ENLARGED PLAN - PLUMBING
- P4.1 PLUMBING DETAILS
- P4.2 PLUMBING DETAILS
- P5.1 PLUMBING DIAGRAMS
- P6.1 PLUMBING SCHEDULES
- P6.2 PLUMBING SCHEDULES

MECHANICAL
- M0.0 MECHANICAL COVERSHEET
- MD1.1 LEVEL 01 DEMOLITION PLAN - MECHANICAL
- M1.1 LEVEL 01 PLAN - AREA A - MECHANICAL
- M1.2 LEVEL 01 PLAN - AREA B - MECHANICAL
- M1.3 LEVEL 02 PLAN - AREA A - MECHANICAL
- M1.4 LEVEL 02 PLAN - AREA B - MECHANICAL
- M3.0 ENLARGED PLAN - MECHANICAL
- M4.1 MECHANICAL DETAILS
- M4.2 MECHANICAL DETAILS
- M4.3 MECHANICAL DETAILS
- M5.1 CONTROL DIAGRAMS
- M5.2 CONTROL DIAGRAMS
- M5.3 CONTROL DIAGRAMS
- M6.1 MECHANICAL SCHEDULES
- M6.2 MECHANICAL SCHEDULES

ELECTRICAL
- E0.0 ELECTRICAL COVERSHEET
- E0.1 ELECTRICAL SYSTEMS COVERSHEET
- E0.2 SITE PLAN - ELECTRICAL
- ED1.1 DEMOLITION PLAN - ELECTRICAL
- E1.1 LEVEL 01 PLAN - AREA A - LIGHTING
- E1.2 LEVEL 01 PLAN - AREA B - LIGHTING
- E1.3 LEVEL 02 PLAN - AREA B - LIGHTING
- E1.4 LEVEL 01 PLAN - AREA A - POWER
- E1.5 LEVEL 02 PLAN - AREA A - POWER
- E1.6 LEVEL 01 PLAN - AREA B - POWER
- E1.7 LEVEL 02 PLAN - AREA B - POWER
- E1.8 LEVEL 01 PLAN - AREA A - SYSTEMS
- E1.9 LEVEL 01 PLAN - AREA B - SYSTEMS
- E1.10 LEVEL 02 PLAN - AREA A - SYSTEMS
- E1.11 LEVEL 02 PLAN - AREA B - SYSTEMS
- E2.1 ROOF PLAN - AREA A - POWER
- E2.2 ROOF PLAN - AREA B - POWER
- E4.1 ELECTRICAL DETAILS
- E4.2 ELECTRICAL DETAILS
- E5.1 ELECTRICAL DIAGRAMS
- E6.1 ELECTRICAL SCHEDULES
- E6.2 ELECTRICAL SCHEDULES
- E6.3 ELECTRICAL SCHEDULES
- E7.1 ELECTRICAL PANEL SCHEDULES
- E7.2 ELECTRICAL PANEL SCHEDULES

TELECOMMUNICATIONS
- T0.0 TECHNOLOGY COVERSHEET
- T1.1 LEVEL 01 PLAN - AREA A - TECHNOLOGY
- T1.2 LEVEL 01 PLAN - AREA B - TECHNOLOGY
- T1.3 LEVEL 02 PLAN - AREA B - TECHNOLOGY
- T4.1 TECHNOLOGY DETAILS
- T5.1 TECHNOLOGY DIAGRAMS
- T6.1 TECHNOLOGY SCHEDULES

PROJECT GENERAL NOTES

A. REFER TO GENERAL INFORMATION SHEETS FOR SYMBOLS AND ABBREVIATIONS.

B. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.

C. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.

D. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.

E. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.

F. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL PRIOR TO DEMOLITION AND CONSTRUCTION.

G. STORAGE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS IS UNDERSTOOD TO NOT BE WITHIN THE BUILDING. STORAGE OF ANY MATERIAL IS TO BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.

DEFERRED SUBMITTALS

THE FOLLOWING SYSTEMS ARE A DESIGN/BUILD RESPONSIBILITY OF THE CONTRACTOR OR PRODUCT MANUFACTURER AND WILL REQUIRE THE DEFERRED SUBMITTAL OF DESIGN WORK TO THE CITY OF CLARINDA & STATE OF IOWA FOR PLAN REVIEW AND PERMITTING:

1. FIRE SPRINKLER SYSTEMS
2. FIRE ALARM SYSTEMS

BID ALTERNATES

REFERENCE SECTION 00 2113 AND 00 4100 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

ALTERNATE NO. 1:

BASE BID CONDITION: PROVIDE ROUGH-IN MECHANICAL, ELECTRICAL AND PLUMBING RESOURCES FOR FUTURE LAUNDRY EQUIPMENT. SEE MEP DWGS FOR SPECIFIC EXTENTS. PROVIDE INFILL PARTITIONS AT ALL DRYER EQUIPMENT LOCATIONS. REF. SHEET A1.1, ELEVATION 16/A8.1, AND PARTITION TYPE T2.

ALTERNATE BID CONDITION: PROVIDE LAUNDRY EQUIPMENT AND ALL RELATED MECHANICAL, ELECTRICAL AND PLUMBING NEEDS FOR AN OPERABLE SYSTEM. PROVIDE COMPLETE INSTALLATION OF WASHERS & DRYERS AND EQUIPMENT OPENING SURROUNDS AS NOTED IN 17/A8.1. REF MEP DWGS.

BASIS OF DESIGN MANUFACTURER & MODEL NUMBERS ARE LISTED BELOW. SUBSTITUTIONS SHALL BE APPROVED PRIOR TO BID BY ARCHITECT.

WASHER UNIT: MILNOR; MODEL: 36026 V5J
DRYER UNIT: MILNOR; MODEL: M122
CHEMICAL DISPENSING SYSTEM: PROVIDED BY OWNER
- MANUFACTURER: SEKO; UNIT: OPL ADVANTAGE - MULTI WASHER SYSTEM
- ROUGH-INS PROVIDED BY CONTRACTOR

ALTERNATE NO. 2:

BASE BID CONDITION: PROVIDE KITCHEN EQUIPMENT AS NOTED IN FSE DOCUMENTS WITH THE EXCEPTION OF NOTED ALTERNATE BAKERY EQUIPMENT. PROVIDE ALL ROUGH-INS TO NOTED ALTERNATE BAKERY EQUIPMENT BUT DO NOT PROVIDE INSTALLATION OR HOOKUP SERVICES.

ALTERNATE BID CONDITION: PROVIDE ALL NOTED ALTERNATE BAKERY EQUIPMENT AND FULL INSTALLATION OF ALL EQUIPMENT.

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Engineers | Architects | Surveyors | Scientists

RIPPE ASSOCIATES
FOODSERVICE DESIGN + CONSULTING

kpff

IMEG

Bishop Engineering

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED: KDV
DRAWN: KDV
REVIEWED: KDV

SHEET TITLE:

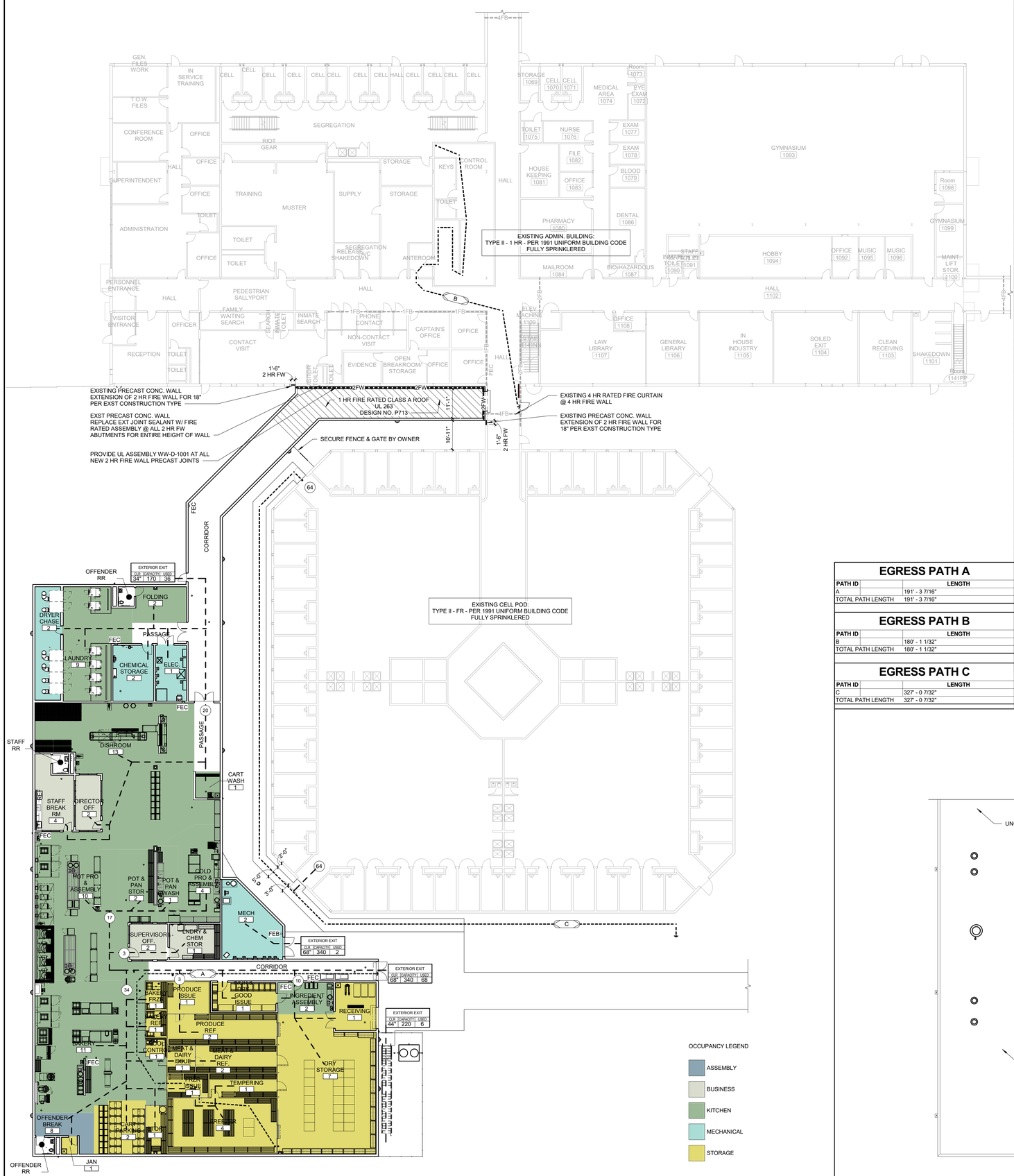
GENERAL INFORMATION

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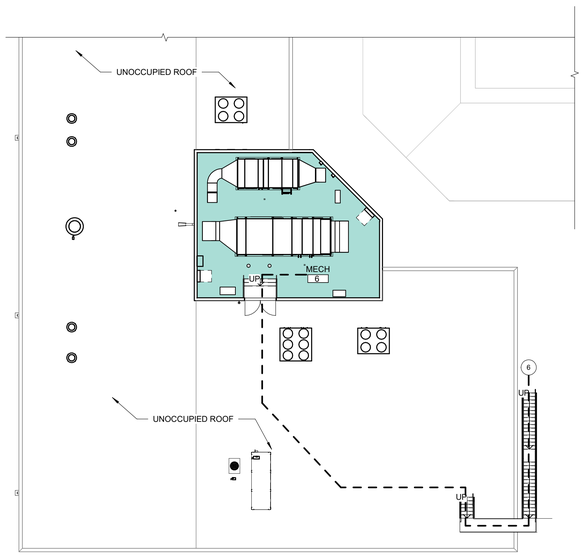
G0.1

PROJECT NO.: 0240202.00
RFB922300-02

2/7/2024 1:54:09 PM



1 **LIFE SAFETY PLAN - LEVEL 1**
SCALE: 1/16" = 1'-0"



2 **LIFE SAFETY PLAN - LEVEL 2**
SCALE: 1/16" = 1'-0"

EGRESS PATH A

PATH ID		LENGTH
A		191' - 3 7/16"
TOTAL PATH LENGTH		191' - 3 7/16"

EGRESS PATH B

PATH ID		LENGTH
B		180' - 1 1/32"
TOTAL PATH LENGTH		180' - 1 1/32"

EGRESS PATH C

PATH ID		LENGTH
C		327' - 0 7/32"
TOTAL PATH LENGTH		327' - 0 7/32"

LIFE SAFETY GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND SECURITY FENCING. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.

B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.

D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.

E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT

F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.

G. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED.

H. ALL DUCTWORK, DIFFUSERS, GRILLES, LIGHT FIXTURES, AND ELECTRICAL DEVICES PENETRATING FIRE-RATED OR SMOKE RESISTANT WALLS, CEILINGS, AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY AND SHALL BE INSTALLED SUCH THAT THE FIRE/SMOKE RATING IS NOT COMPROMISED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS THAT MAY NOT BE SHOWN HERE.

I. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING AND BE OF CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL BE SELF OR AUTOMATIC CLOSING. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80.

OCCUPANT LOAD TABLE

NUMBER	NAME	AREA	OCCUPANCY FACTOR	OCCUPANT LOAD
LEVEL 1				
1201	PASSAGE	159 SF		
1202	FOLDING	265 SF	200 SF	2
1203	OFFENDER RR	44 SF		
1204	LAUNDRY	881 SF	100 SF	9
1205	DRYER CHASE	414 SF	300 SF	2
1206	CHEMICAL STORAGE	323 SF	300 SF	2
1207	ELEC.	246 SF	300 SF	1
1208	PASSAGE	250 SF	200 SF	0
1209	DISHROOM	2475 SF	200 SF	13
1210	CART WASH	94 SF	200 SF	1
1211	DIRECTOR OFF	194 SF	100 SF	2
1212	STAFF BREAK RM	321 SF	100 SF	4
1213	STAFF RR	44 SF		
1214	HOT PRO & ASSEMBLY	1909 SF	200 SF	10
1215	POT & PAN STOR	301 SF	200 SF	2
1216	POT & PAN WASH	171 SF	200 SF	1
1217	COLD PRO & ASSEMBLY	640 SF	200 SF	4
1218	SUPERVISOR OFF.	183 SF	100 SF	2
1219	LNDRY & CHEM STOR	254 SF	300 SF	1
1220	BAKERY	2105 SF	200 SF	11
1221	OFFENDER RR	46 SF		
1221A	OFFENDER BREAK	228 SF		8
1222	JAN	38 SF	300 SF	1
1223	CART PARKING	383 SF	300 SF	2
1224	STOR	139 SF	300 SF	1
1225	TOOL CONTROL	46 SF	300 SF	1
1226	BAKERY REF	81 SF	300 SF	1
1227	BAKERY FRZR	90 SF	300 SF	1
1228	PRODUCE ISSUE	207 SF	300 SF	1
1229	PRODUCE REF	504 SF	300 SF	2
1230	MEAT & DAIRY ISSUE	115 SF	300 SF	1
1231	MEAT & DAIRY REF.	324 SF	300 SF	2
1232	FRZR ISSUE	144 SF	300 SF	1
1233	FREEZER	895 SF	300 SF	4
1234	TEMPERING	232 SF	300 SF	1
1235	INGR & DRY GOOD ISSUE	257 SF	300 SF	1
1237	CORRIDOR	630 SF		
1238	INGREDIENT ASSEMBLY	251 SF	200 SF	2
1239	DRY STORAGE	1842 SF	300 SF	7
1240	RECEIVING	277 SF	300 SF	1
1241	MECH	535 SF	300 SF	2
LEVEL 2				
2100	MECH	1650 SF	300 SF	6
TOTAL OCCUPANTS:				113

PLUMBING FIXTURES PER STATE PLUMBING CODE

OCCUPANT TYPE	NO. OF OCC.	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINKS	NOTES
		REQUIRED	REQUIRED	REQUIRED	REQUIRED	
STAFF	22	1 : 25 = 1	1 : 25 = 1	1 : 100 = 1	1	
OFFENDERS	90	1 : 100 = 1	1 : 400 = 1	1 : 400 = 1	1	NOTE 1
TOTALS	113	2	2	NA	2	
WATER CLOSETS PROVIDED:			2 Offender + 1 Employee = 3 Total			
LAVATORIES PROVIDED:			2 Offender + 1 Employee = 3 Total			
DRINKING FOUNTAINS PROVIDED:			--			NOTE 2
SERVICE SINKS PROVIDED:			2 Service Sinks			

NOTES:
1. PLUMBING FIXTURE COUNT REQUIREMENT IS BASED ON FACTORY AND INDUSTRIAL CLASSIFICATION AS IT MOST CLOSELY ALIGNS WITH THE USE OF THE SPACE AS A COMMERCIAL KITCHEN & LAUNDRY FACILITY
2. BEVERAGE OPTIONS WILL BE MADE AVAILABLE TO OCCUPANTS IN LIEU OF DRINKING FOUNTAINS FOR SECURITY & SAFETY PURPOSES

CODE INFORMATION

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY...
2000 N 16TH ST, CLARINDA, IA 51632

WORK DESCRIPTION

BUILDING ADDITION CONSISTING OF A KITCHEN & LAUNDRY... CORRECTIONAL FACILITY.

APPLICABLE CODES

2015 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL FIRE CODE
2020 NATIONAL ELECTRIC CODE
2012 NFPA LIFE SAFETY CODE
2010 AMERICANS WITH DISABILITIES ACT
2021 UNIFORM PLUMBING CODE

BUILDING CONSTRUCTION AND OCCUPANCY

PROPOSED BUILDING
CONSTRUCTION TYPE: IIB
PRIMARY OCCUPANCY: I-3
SPRINKLERED - NFPA 13

BUILDING HEIGHT AND AREA

ALLOWABLE AREA (CONST TYPE): 32,975 SF/FLOOR
PROPOSED AREA (CONST TYPE):

	TOTAL/FLOOR
FIRST FLOOR	22,250 SF
SECOND FLOOR	1,800 SF
PROJECT TOTAL AREA	24,050 SF

ALLOWABLE BUILDING HEIGHT (CONST TYPE):	2 STORIES	75 FEET
PROPOSED BUILDING HEIGHT:	2 STORIES	32 FEET

FIRE RATING

PRIMARY STRUCTURAL FRAME	0 HR
EXTERIOR BEARING WALLS	0 HR
INTERIOR BEARING WALLS	0 HR
EXTERIOR NON-BEARING WALLS (SIZING)	0 HR
EXTERIOR NON-BEARING WALLS (SIZING)	0 HR
FLOOR CONST/SECONDARY MEMBERS	0 HR
ROOF CONST/SECONDARY MEMBERS	0 HR
CORRIDORS (CONST TYPE)	0 HR

EGRESS

EXIT TRAVEL DISTANCE	200 FT MAX
DEAD END CORRIDORS	50 FT MAX
EGRESS CORRIDOR WIDTH	.2" x OCC LOAD
EGRESS DOOR WIDTH	.2" x OCC LOAD
EGRESS STAIR WIDTH	.36"

PRECAST WALLS: IBC 2015
TABLE 722.2.1.1 MIN. EQUIVALENT THICKNESS OF PRECAST CONC WALLS

CONC. TYPE	MIN. SLAB THICKNESS FOR 2 HR (INCHES)
SILICEOUS	5.0
CARBONATE	4.6
SAND-LIGHTWEIGHT	3.8
LIGHTWEIGHT	3.6

EXISTING INSULATED PRECAST PANELS ARE 4" CONC. + 3" INSULATION + 3" CONC.

THEREFORE, ASSUMING THE WORST CASE SCENARIO OF SILICEOUS TYPE CONC., 5" SILICOUS CONC. < 7" TOTAL EXISTING THICKNESS OF CONC.

NEW PRECAST SHALL USE LIGHTWEIGHT CONC WITH AN ASSEMBLY OF 3" CONC. + 4" INSULATION + 3" CONC. FOR A TOTAL CONC. THICKNESS OF 7"

THEREFORE, NEW & EXISTING PRECAST ARE 2 HR RATED

LIFE SAFETY LEGEND

FIRE RATINGS
1FB — 1 HOUR FIRE BARRIER WALL
1FP — 1 HOUR FIRE PARTITION WALL
1FW — 1 HOUR FIRE WALL
2FB — 2 HOUR FIRE BARRIER WALL
2FW — 2 HOUR FIRE WALL
4FB — 4 HOUR FIRE BARRIER WALL
4FW — 4 HOUR FIRE WALL

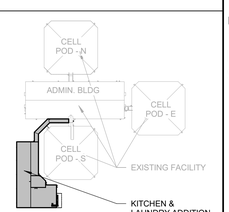
EGRESS
TRAVEL DISTANCE TO AN EXIT
DEAD END CORRIDOR
XX — EGRESS PATH TAG
EXIT IDENTIFICATION; EGRESS CLEAR WIDTH; EXTERIOR EXIT 24" CORRIDOR 0" 180" — EGRESS CAPACITY
DE — DELAYED EGRESS

OCCUPANCY
Name 00 — ROOM NAME; OCCUPANCY LOAD

MISCELLANEOUS
FEC — FIRE EXTINGUISHER CABINET
FEB — FIRE EXTINGUISHER BRACKET

LINE WORK LEGEND

EXISTING
NEW CONSTRUCTION



KEY PLAN
SCALE: 1" = 200'-0"

Farnsworth GROUP
14225 UNIVERSITY AVENUE, SUITE 110
WALKEE, IOWA 50263
(515) 225-3469 / info@f-w.com
www.f-w.com
Engineers | Architects | Surveyors | Scientists

RIPPE ASSOCIATES
FOODSERVICE DESIGN + CONSULTING
kpff
IMEG
Bishop Engineering

ISSUE:
DATE: DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED: KDV
DRAWN: KDV
REVIEWED: KDV

SHEET TITLE:
FIRST FLOOR LIFE SAFETY

SHEET NUMBER:
LS1.1

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:56:55 PM

CLARINDA CORRECTIONS FACILITY KITCHEN & LAUNDRY ADDITION
SITE IMPROVEMENT PLANS

SHEET INDEX:

C0.1 CIVIL INFORMATION
C1.1 EX. CONDITIONS & DEMO PLAN
C2.1 LAYOUT PLAN
C3.1 GRADING PLAN
C4.1 UTILITY PLAN
C5.1 LANDSCAPE PLAN
C6.1 DETAILS SHEET
C6.2 DETAILS SHEET
C7.1 SWPPP

PROPERTY DESCRIPTION:
PARCEL "A", N 1/2 - SW 1/4, SEC. 19-69-36

A PARCEL OF LAND LOCATED IN THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 69 NORTH, RANGE 36 WEST OF THE 5TH PM., PAGE COUNTY IOWA. DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTER SECTION OF SAID SECTION 19-69-36; THENCE S0°35'00"W, ALONG THE EAST LINE OF THE SW 1/4 OF SAID SECTION 19, A DISTANCE OF 1323.05 FEET TO THE SOUTHEAST CORNER OF THE NE 1/4 - SW 1/4 OF SAID SECTION 19; THENCE N87°55'11"W, ALONG THE SOUTH LINE OF THE N 1/2 - SW 1/4 OF SAID SECTION 19, A DISTANCE OF 2548.18 FEET; THENCE N0°42'58"W A DISTANCE OF 33.90 FEET; THENCE S87°51'35"E A DISTANCE OF 891.14 FEET; THENCE N0°38'00"E A DISTANCE OF 1280.71 FEET TO A POINT ON THE NORTH LINE OF THE SW 1/4 OF SAID SECTION 19; THENCE S88°14'57"E, ALONG THE NORTH LINE OF THE SW 1/4 OF SAID SECTION 19, A DISTANCE OF 1656.51 FEET TO THE POINT OF BEGINNING. CONTAINING 50.81 ACRES INCLUDING COUNTY ROAD M-70 RIGHT OF WAY ALONG THE EAST SIDE AND SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

ADDRESS:
2000 N 16TH STREET
CLARINDA, IOWA 51632

OWNER:
STATE OF IOWA
CLARINDA CORRECTIONS FACILITY
2000 N 16TH STREET
CLARINDA, IOWA 51632

PREPARED FOR:
FARNSWORTH GROUP
14225 UNIVERSITY AVENUE, SUITE 110
WAUKEE, IOWA 50263
PH: 515-225-3469

ZONING:
I-2 HEAVY INDUSTRIAL

SETBACKS:

FRONT YARD	25' (MIN.)
SIDE YARD	NONE
REAR YARD	NONE
BUILDING HT	75' (MAX.)
MIN. AREA	NONE

SITE CONTROL AND BENCHMARKS:
BASIS OF BEARING OBTAINED FROM GPS OBSERVATIONS
DATUM = NAD 83, IOWA SOUTH
BENCHMARK DATUM = CITY DATUM OR NAVD88, GEOID 12A)

POINT #9016
NORTHING = 281048.08
EASTING = 1214967.96
ELEVATION = 1045.27
DESCRIPTION: CUT "X" LOCATED DIRECTLY NORTH OF THE SECURITY BOOTH ON THE ENTRANCE DRIVEWAY IN THE CENTER OF THE PROPERTY

POINT #91010
NORTHING = 280940.12
EASTING = 1214976.02
ELEVATION = 1044.39
DESCRIPTION: CUT "X" LOCATED DIRECTLY SOUTH OF THE SECURITY GATE NEXT TO THE LIFT STATION BY THE ENTRANCE DRIVEWAY IN THE CENTER OF THE PROPERTY

OPEN SPACE/IMPERVIOUS REQUIREMENTS:
PROJECT SITE AREA: 7.18 ACRES
EXISTING OPEN SPACE = 157,807 S.F.
EXISTING IMPERVIOUS = 154,908 S.F.
PROPOSED OPEN SPACE = 127,255 S.F.
PROPOSED IMPERVIOUS = 185,460 S.F.
NET INCREASE IMPERVIOUS AREA = 30,552.05 S.F. (0.70 ACRES)

GENERAL NOTES:
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SUDAS STANDARD SPECIFICATIONS AND ANY AND ALL CITY/COUNTY SUPPLEMENTAL SPECIFICATIONS. THE CITY OF CLARINDA MUST BE NOTIFIED BY ALL CONTRACTORS 48 HOURS PRIOR TO COMMENCING WORK.
2. IN EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES. ANY DAMAGE TO SAID UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT O.S.H.A. CODES AND STANDARDS. NOTHING INDICATED ON THESE PLANS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE APPROPRIATE SAFETY REGULATIONS.
5. ALL NECESSARY CONSTRUCTION SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION WILL BE FURNISHED BY THE CONTRACTOR. SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES MUST BE IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS."
6. BISHOP ENGINEERING SHALL NOT BE LIABLE FOR ANY INJURIES THAT HAPPEN ON SITE. THIS SHALL INCLUDE BUT NOT BE LIMITED TO TRENCH COLLAPSES FROM VARYING SOIL CONDITIONS OR INJURIES CAUSED BY UNDERGROUND UTILITIES INCLUDING UTILITIES THAT ARE NOT SHOWN ON PLAN.
7. THE CONTRACTOR IS LIABLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN PROVIDING FOR STORM WATER FLOW DURING CONSTRUCTION. DO NOT RESTRICT FLOWS IN EXISTING DRAINAGE CHANNELS, STORM SEWER, OR FACILITIES.
8. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SCHEDULE FOR PERFORMANCE OF WORK ITEMS. THIS SCHEDULE SHALL BE PROVIDED BY THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. NO WORK SHALL BEGIN UNTIL A SCHEDULE HAS BEEN SUBMITTED AND ACCEPTED. THE CONTRACTOR SHALL THEN PERFORM WORK TO CONFORM TO THE ACCEPTED SCHEDULE.
9. LABORATORY TESTS SHALL BE PERFORMED BY THE OWNER UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE SAMPLES OF MATERIAL REQUIRED FOR LABORATORY TESTS AND TESTING IN ACCORDANCE WITH THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
10. SOIL IMPORT OR EXPORT ON THIS PROJECT SHALL BE CONSIDERED INCIDENTAL AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
11. THE CONTRACTOR SHALL PROTECT ALL STRUCTURES NOT SHOWN AS REMOVALS ON THE PLANS.
12. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL WORK WITH OWNER OR OWNERS REPRESENTATIVE ON ALL REQUIRED STORM WATER DISCHARGE PERMITS FROM THE IOWA DEPARTMENT OF NATURAL RESOURCES AND THE CITY OF CLARINDA.
13. GRADING AND EROSION CONTROL SHALL BE DONE IN ACCORDANCE WITH THE APPROVED GRADING PLAN, SWPPP, NPDES DOCUMENTS, AND IOWA DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS.
14. THE CONTRACTOR SHALL PICK UP ANY DEBRIS SPILLED ONTO THE ADJACENT RIGHT OF WAY OR ABUTTING PROPERTIES AS THE RESULT OF CONSTRUCTION, AT THE END OF EACH WORK DAY.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REMOVAL OF ALL MUD THAT HAS BEEN TRACKED OR WASHED UNTO ADJACENT PROPERTY OR RIGHT OF WAY UNTIL SUCH TIME THAT PERMANENT VEGETATION HAS BEEN ESTABLISHED.
16. DISPOSE OF ALL EXCESS MATERIALS AND TRASH IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIALS NOT DESIRABLE FOR INCORPORATION INTO THE PROJECT.

PAVING NOTES:
1. THE PAVING/ GRADING CONTRACTOR SHALL BACKFILL THE PAVING SLAB AND FINE GRADE THE RIGHT OF WAY AS SOON AFTER THE PAVING AS POSSIBLE. ALL AREAS SHALL BE SEEDED IN ACCORDANCE WITH CITY OF CLARINDA STANDARD SPECIFICATIONS AND THE CURRENT VERSION OF SUDAS.
2. SUBGRADE PREPARATION AND PAVEMENTS WILL BE CONSTRUCTED FOLLOWING RECOMMENDATIONS IN THE SOILS REPORT. APPROVED SOILS ENGINEER MUST SIGN OFF ON SUBASE PRIOR TO ANY PAVEMENT BEING PLACED.
3. SEE DETAILS FOR ALL PAVEMENT THICKNESS.
4. ALL PEDESTRIAN WALKWAYS THAT UNLOAD INTO A VEHICLES TRAVELED PATH MUST HAVE A.D.A. DETECTABLE WARNING PLANEL(S) AS PER A.D.A. REGULATIONS. PANEL TYPE & COLOR SHALL BE PER CITY STANDARD.
5. ALL WALKS, PARKING LOTS, HANDICAP PARKING, RAMPS, ETC. SHALL COMPLY WITH ALL A.D.A. AND CITY CODES. HANDICAP PARKING SIGNAGE IS REQUIRED FOR ALL HANDICAP STALLS AND SHALL BE CONSIDERED INCIDENTAL. IN EVENT OF A DISCREPANCY BETWEEN THE PLANS AND THE A.D.A./CITY CODES THE A.D.A./CITY CODES SHALL GOVERN. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING A.D.A. CODES ARE MET.

UTILITY NOTES:
1. QUANTITY CALLOUTS ON PIPE LENGTHS ARE APPROXIMATE AND SHOULD BE USED FOR REFERENCE ONLY.
2. THE CONTRACTOR SHALL PROVIDE AS-BUILTS OF ALL UTILITIES, INCLUDING DEPTH AND LOCATION OF ALL SERVICES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ALL COSTS ASSOCIATED WITH AS-BUILT TOPO OF DETENTION POND & DETENTION POND STORM SEWER. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING BISHOP ENGINEERING (AT 515-276-0467) TO PERFORM SAID AS-BUILT SURVEY. IF DETENTION PONDS HAVE BEEN GRADED INCORRECTLY, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT AS-BUILT TOPO SURVEYS UNTIL ISSUES HAVE BEEN RECTIFIED.
4. THE CONTRACTOR SHALL COORDINATE THE ADJUSTMENT OF ANY AND ALL EXISTING AND PROPOSED UTILITIES TO PROPOSED GRADES. EXISTING UTILITIES SHALL BE RAISED OR LOWERED IN ACCORDANCE WITH THE UTILITY OWNER REQUIREMENTS. ANY NECESSARY ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
5. ACTIVE EXISTING FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPAIRED, REROUTED, OR CONNECTED TO PUBLIC OR PRIVATE STORM SEWER TO REMAIN IN SERVICE.
6. ALL PROPOSED RCP STORM SEWER PIPE JOINTS SHALL BE FABRIC WRAPPED AND THE LAST 3 PIPE SECTIONS ON THE APRON SHALL BE TIED WITH RF-14 TYPE II CONNECTORS. ALL APRONS SHALL HAVE A STANDARD FOOTING AND TRASH GUARD.
7. ALL RIP RAP CALLED OUT ON PLANS SHALL BE UNDERLAIN WITH ENGINEERING FABRIC.
8. SANITARY SEWER SERVICE CONNECTIONS SHALL BE PLACED AT A SLOPE OF NO LESS THAN 2%. SERVICES SHALL MAINTAIN 18" OF VERTICAL SEPARATION FROM THE WATERMAIN WITH 18" OF COMPACTED LOW PERMEABILITY SOIL BETWEEN THE UTILITIES WITHIN 10' OF THE CROSSING.
9. MANDREL AND PRESSURE TESTS SHALL BE REQUIRED FOR ALL PROPOSED SANITARY LINES. TELEVISING OF THE SANITARY SEWER SYSTEM SHALL BE COMPLETED PRIOR TO PAVING UNLESS OTHERWISE APPROVED BY JURISDICTION.
10. WATERMAINS SHALL BE C-900. SIZE OF WATERMAIN AS SHOWN ON PLANS.
11. THRUST BLOCKS SHALL BE INSTALLED AS REQUIRED AND SHALL BE CONSIDERED INCIDENTAL TO WATERMAIN CONSTRUCTION.
12. PROPOSED WATERMAIN SHALL BE PRESSURE TESTED, BACTERIA TESTED AND CHLORINATED. THE FILLING OF THE WATER MAIN SHALL BE DONE BY THE CITY OF CLARINDA.
13. TRACER WIRE SHALL BE ADDED TO ALL WATER MAIN, AND BROUGHT TO THE SURFACE AT EVERY HYDRANT.
14. ALL HYDRANTS WILL IMMEDIATELY BE COVERED WITH A BLACK PLASTIC BAG (OR EQUIVALENT) ONCE THE HYDRANT IS INSTALLED. THE CITY OF CLARINDA WILL NOTIFY THE CONTRACTOR WHEN THE BAGS CAN BE REMOVED.
15. THE MINIMUM HYDRANT LEAD SHALL BE 3.5 FEET.

UTILITY CONFLICT NOTES:
1. UTILITY CONFLICTS MAY EXIST ACROSS THE SITE WITH NEW UTILITIES, GRADING, PAVING ETC. MOST UTILITY CONFLICTS HAVE BEEN CALLED OUT FOR CONTRACTOR CONVENIENCE.
2. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONFLICTS THAT ARE EITHER CALLED OUT ON THE PLANS OR THAT CAN BE SEEN ON THE PLANS BETWEEN AN EXISTING UTILITY AND PROPOSED CONSTRUCTION.
3. CONTRACTOR SHALL USE O-RING GASKET JOINTS FOR STORM SEWER AND SANITARY SEWER AT CROSSINGS WITH WATER WHERE STORM OR SANITARY SEWER CROSSED OVER OR LESS THAN 18 INCHES BELOW WATER. O-RING GASKET JOINTS SHALL BE EXTENDED UNTIL WATER AND SEWER ARE AT LEAST 10 FEET APART. ALL O-RING GASKET JOINTS SHALL BE CONSIDERED INCIDENTAL TO BID. IF N-12 PIPE IS USED FOR STORM SEWER, CONTRACTOR SHALL USE WATER-TIGHT N-12 PIPE, CENTERED ON THE CROSSING.
4. FOR ALL CRITICAL CROSSINGS WITH EXISTING UTILITIES, THE ELEVATION OF THE EXISTING UTILITY SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NOTIFY BISHOP ENGINEERING PRIOR TO CONSTRUCTION IF A CONFLICT EXISTS.

WETLAND NOTES:
1. BISHOP ENGINEERING DOES NOT PERFORM WETLAND STUDIES OR WETLAND MITIGATION. IT IS THE OWNER'S RESPONSIBILITY TO DETERMINE IF ANY WETLANDS ARE LOCATED ON THE PROJECT SITE AND PERFORM ANY NECESSARY MITIGATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

SURVEY NOTES:
1. SURVEY WORK WAS COMPLETED BY BISHOP ENGINEERING ON 02-07-2022.
2. FACILITY GAS, ELECTRIC, WATER & SEWER SERVICES SHOWN ARE PER PREVIOUS RECORDED SITE PLANS PROVIDED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES WITHIN PROJECT AREA PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT OWNER/ENGINEER IF DIFFERENT FROM PLANS AND/OR IN CONFLICT WITH THE PROPOSED IMPROVEMENTS/CONSTRUCTION ACTIVITIES.

SPECIFICATIONS NOTES:
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CLARINDA CORRECTIONS FACILITY KITCHEN & LAUNDRY ADDITION PROJECT SPECIFICATIONS, THE CITY OF CLARINDA SPECIFICATIONS AND SUDAS SPECIFICATIONS.
2. FOR ANY DISCREPANCIES BETWEEN THE CLARINDA CORRECTIONS FACILITY KITCHEN & LAUNDRY ADDITION PROJECT SPECIFICATIONS AND CITY OF CLARINDA REQUIREMENTS AND SPECIFICATIONS, PLUMBING CODE, AND URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENT (2022 EDITION SUDAS), THE CITY OF CLARINDA STANDARD SPECIFICATIONS SHALL GOVERN.
3. FOR ALL SPECIFICATION DISCREPANCIES, PROJECT ENGINEER SHALL BE CONTACTED PRIOR TO PROCEEDING WITH CONSTRUCTION. IF ENGINEER IS NOT CONTACTED, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PROBLEMS THAT RESULT FROM SAID DISCREPANCIES.
4. FOR ALL SPECIFICATION DISCREPANCIES, CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE CITY OF CLARINDA ENGINEERING DEPARTMENT FOR ANY CHANGES TO PROPOSED SITE INFRASTRUCTURE OR GRADES PRIOR TO PROCEEDING WITH ANY CHANGES.

STAKING NOTES:
1. CONTRACTOR IS REQUIRED TO HAVE ALL STAKING DONE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR AND IN COORDINATION WITH THE PROJECT ENGINEER.
2. CONTRACTOR IS REQUIRED TO HAVE ALL STAKING DONE DIRECTLY UNDER THE TRADE CONTRACTOR BY A SINGLE COMPANY.
3. STAKING DOES NOT RELIEVE CONTRACTOR OF ULTIMATE RESPONSIBILITY TO CONSTRUCT THE PROJECT PER PLAN.

EARTHWORK BALANCE NOTES:
1. SOIL IMPORT OR EXPORT ON THIS PROJECT SHALL BE CONSIDERED INCIDENTAL AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY. CONTRACTOR RESPONSIBLE FOR MAKING THE SITE EARTHWORK BALANCE.
2. THIS INCLUDES BUT IS NOT LIMITED TO TOPSOIL, POOR SOILS AND STRUCTURAL FILL NECESSARY TO MEET PROJECT PLANS AND SPECIFICATIONS.

SECURITY NOTES:
1. CONTRACTOR RESPONSIBLE FOR SECURITY OF THE SITE.
2. TEMPORARY FENCES OR ANY OTHER SECURITY MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. NO SECURITY MEASURES WILL BE ELIGIBLE FOR A CHANGE ORDER AND MUST BE INCLUDED IN THE BASE BID.

PAVEMENT SAWCUT NOTES:
1. CONTRACTOR TO PROVIDE SAWCUT JOINTING PLAN TO SETH SUNDERMAN, BISHOP ENGINEERING (515-276-0467 OR SSUNDERMAN@BISHOPENGR.COM) PRIOR TO ANY CONCRETE PAVEMENT INSTALLATION.
2. PAVEMENT MAY BE REQUIRED TO BE REMOVED AND REPLACED IF PLACED WITHOUT AN APPROVED PLAN.
3. LONGITUDINAL JOINTS IN DRIVE LANES & THE OUTER MOST JOINT OF ALL PARKING AREAS SHALL BE SUDAS TYPE 'L-1' OR 'L-2' JOINTS AND HAVE STEEL. INTERIOR PARKING LOT JOINTS, OTHER THAN THE OUTER MOST JOINT, DO NOT NEED STEEL AND SHALL BE SUDAS TYPE 'B' JOINTS.
4. TYPICAL LONGITUDINAL JOINTS SHALL BE PLACED IN THE CENTER OF ALL DRIVE AISLES AND AT THE END OF ALL PARKING STALLS.
5. ALL TRANSVERSE JOINTS SHALL BE SUDAS TYPE 'C' OR TYPE 'DW' JOINTS WITH STEEL IN THE CASE OF A DAY'S WORK JOINT.

PAVEMENT PLACEMENT NOTES:
1. SEE PROJECT SPECIFICATION SECTION 32 13 13 FOR LASER SCREED REQUIREMENTS.

STORM & SANITARY TELEVISING NOTES:
1. CONTRACTOR IS REQUIRED TO TELEVISE ALL SANITARY AND STORM SEWER SYSTEM PRIOR TO PAVING OPERATIONS.
2. CONTRACTOR SHALL SEND VIDEO INSPECTION TO THE ENGINEER FOR APPROVAL PRIOR TO PAVING.
3. CONTRACTOR SHALL PROVIDE COPIES OF THE REPORTS AND VIDEOS TO THE CLARINDA ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO PAVING.

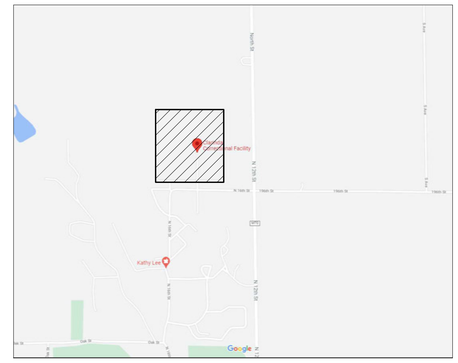
REQUIRED AS-BUILTS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF AS-BUILT TOPO OF ALL DETENTION PONDS & DETENTION POND STORM SEWER, , RAMPS, LANDINGS, CROSSWALKS AND PUBLIC IMPROVEMENTS. CONTRACTOR SHALL CONTACT BISHOP ENGINEERING (SETH SUNDERMAN AT 515-276-0467) TO PERFORM SAID AS-BUILT SURVEYS. IF ANYTHING HAS BEEN CONSTRUCTED INCORRECTLY, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT AS-BUILT SURVEYS UNTIL ISSUES HAVE BEEN RECTIFIED.

****CONTRACTOR SHALL CONTACT BISHOP ENGINEERING FOR POND AS-BUILTS AFTER TOPSOIL RESPREAD AND BEFORE SEEDING HAS TAKEN PLACE****

AFTER DETENTION BASINS HAVE BEEN AS-BUILT AND APPROVED, BISHOP ENGINEERING SHALL PROVIDE A SIGNED CERTIFICATION STATEMENT TO THE CITY OF CLARINDA INDICATING THAT FACILITIES WERE CONSTRUCTED AS DESIGNED.

SWPPP NOTES:
1. STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED BY BISHOP ENGINEERING. CONTACT GODWIN AGBLEZE (515-276-0467) FOR A COPY OF THE SWPPP.
2. THIS PROJECT INCLUDES SAWCUTTING OR CONCRETE GRINDING SO PROTECTION OF STORM SEWERS AND DRAINAGE WAYS WILL NEED TO BE PROVIDED FROM SLURRY FROM THE CONCRETE OPERATIONS. SEE SWPPP SHEET AND NARRATIVE FOR ADDITIONAL DETAILS.

GEOTECHNICAL REPORT:
1. GEOTECHNICAL EVALUATION REPORT WAS PREPARED BY TEAM SERVICES INC. ON APRIL 12, 2022
2. THE DESIGN AND SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS ARE BASED ON THE GEOTECHNICAL REPORT. THE GEOTECHNICAL REPORT SHALL GOVERN, IF THERE ARE ANY DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT AND CONSTRUCTION PLANS/SPECS.
3. ANY RECOMMENDATIONS MADE BY THE OWNER'S SELECTED GEOTECHNICAL FIRM SHALL GOVERN.



VICINITY MAP
NOT TO SCALE

ABBREVIATIONS:

AC	ACRES
ASPH	ASPHALT
BK	BOOK
CONC	CONCRETE
D	DEEDED DISTANCE
EX	EXISTING
ENCL	ENCLOSURE
FF	FINISHED FLOOR
FL	FLOW LINE
FRAC	FRACTIONAL
M	MEASURED DISTANCE
MH	MANHOLE
OPC	ORANGE PLASTIC CAP
P	PLATTED DISTANCE
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
PRA	PREVIOUSLY RECORDED AS
PUE	PUBLIC UTILITY EASEMENT
ROW	RIGHT OF WAY
RPC	RED PLASTIC CAP
SF	SQUARE FEET
SAN	SANITARY
TYP	TYPICAL
YPC	YELLOW PLASTIC CAP
N	NORTH
S	SOUTH
E	EAST
W	WEST

LEGEND:
- SAN — SANITARY SEWER
- ST — STORM SEWER
- W — WATER LINE
- G — GAS LINE
- U/E — UNDERGROUND ELECTRIC
- O/E — OVERHEAD ELECTRIC
- TELE — TELEPHONE LINE
- F/O — FIBER OPTIC
- CATV — CABLE TV
- STORM MANHOLE
- CURB INTAKE
- SURFACE INTAKE
- FLARED END SECTION
- SANITARY MANHOLE
- CLEANOUT
- FIRE HYDRANT
- SPRINKLER
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- WELL
- WATER VALVE
- WATER SHUT OFF
- YARD HYDRANT
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC RISER
- ELECTRIC VAULT
- POWER POLE
- TRANSFORMER POLE
- LIGHT POLE
- ELECTRIC JUNCTION BOX
- ELECTRIC PANEL
- TRANSFORMER
- GROUND LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- GAS METER
- GAS VALVE
- AIR CONDITIONING UNIT
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- FIBER OPTIC MANHOLE
- FIBER OPTIC RISER
- FIBER OPTIC VAULT
- CABLE TV RISER
- SIGN
- BOLLARD
- DENOTES NUMBER OF PARKING STALLS
- PROPERTY CORNER - FOUND AS NOTED
- PROPERTY CORNER- PLACED AS NOTED
- SECTION CORNER - FOUND AS NOTED

UTILITY MAPS PROVIDED BY:
1. STORM AND SANITARY (CLARINDA MENTAL HEALTH INSTITUTE / 1-712-542-2161)
2. FIBER OPTIC (GTE PHONE / 1-800-575-5587)
3. GAS (ALLIANT GAS / 1-800-575-5587)
4. WATER (CLARINDA MENTAL HEALTH INSTITUTE / 1-712-542-2161)

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UTILITY NOTE:
THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS HAVE BEEN TAKEN FROM THE FIELD SURVEY, EXISTING PUBLIC RECORDS, AND PLANS PROVIDED BY OTHERS. SURFACE UTILITY LOCATIONS HAVE BEEN FIELD LOCATED BY BISHOP ENGINEERING, UNLESS OTHERWISE NOTED. ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE LOCATIONS ONLY. BISHOP ENGINEERING DOES NOT GUARANTEE THE UNDERGROUND LOCATION OF ANY UTILITIES SHOWN. IT SHALL BE THE DUTY OF THE CONTRACTOR TO DETERMINE THE LOCATION AND DEPTH OF ANY UNDERGROUND UTILITIES SHOWN AND IF ANY ADDITIONAL UTILITIES, OTHER THAN THOSE SHOWN ON THE PLANS, MAY BE PRESENT. A REQUEST WAS MADE TO IOWA ONE CALL FOR UTILITY PROVIDERS TO VERIFY, LOCATE, AND MARK THEIR UTILITIES IN THE FIELD.

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ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:
CIVIL INFORMATION

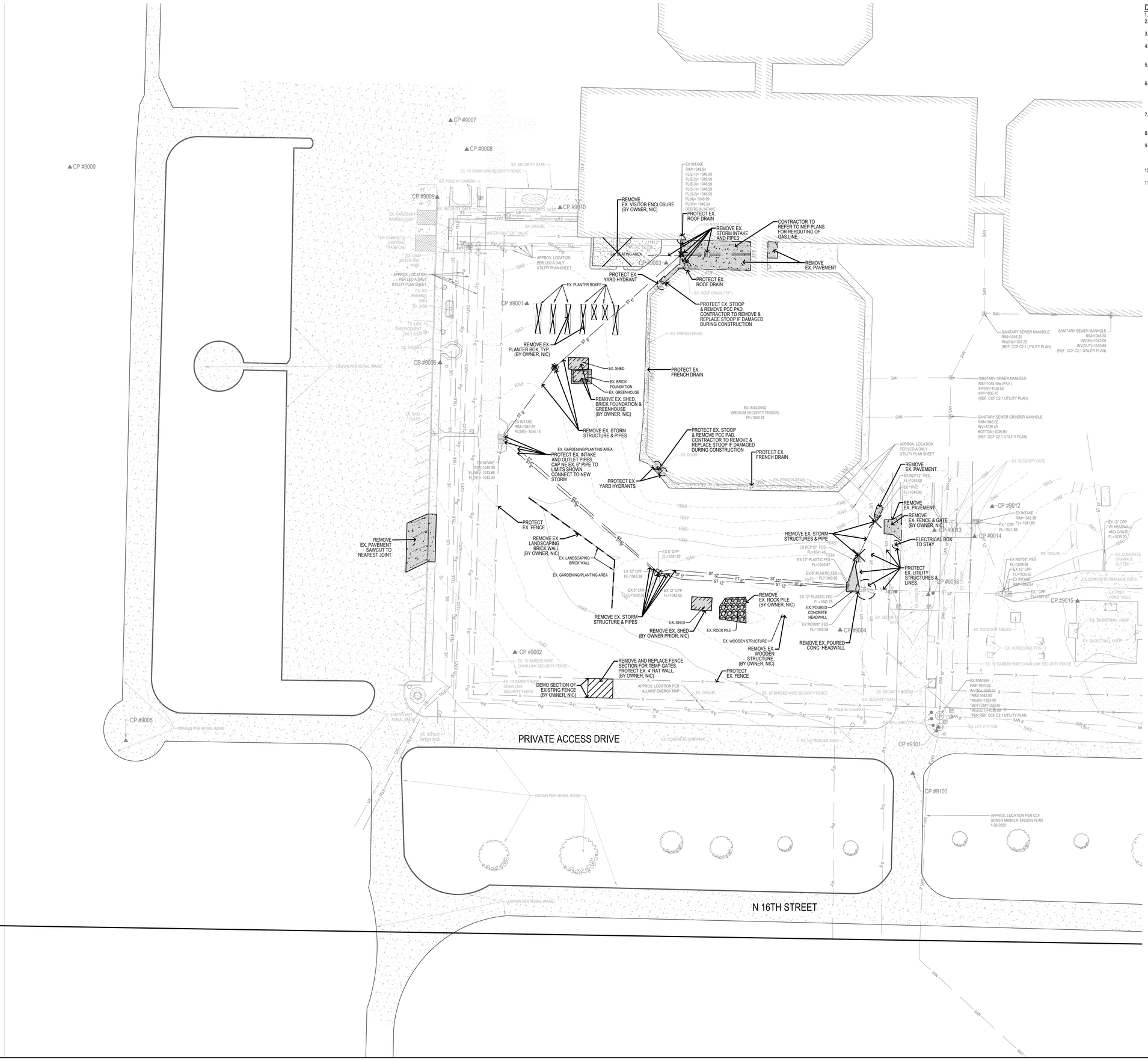
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C0.1

PROJECT NO.: 240202.00
RFB922300-02

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DEMO NOTES:

1. SAWCUT & REMOVE ALL PAVEMENT TO FULL DEPTH OF SLAB.
2. PROTECT ALL TREES NOT CALLED OUT FOR REMOVAL WITH ORANGE CONSTRUCTION FENCE AT THE DRIP LINE.
3. PAVEMENT STRIPING CALLED OUT FOR REMOVAL SHALL BE SANDBLASTED. NO GRINDING WILL BE ALLOWED.
4. CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTH ON SITE PRIOR TO CONSTRUCTION AND CONTACT ENGINEER/OWNER IF DIFFERENT FROM PLANS OR IN CONFLICT IN CONSTRUCTION ACTIVITIES.
5. CONTRACTOR TO COORDINATE PERMITTING, SIGNAGE AND LANE CLOSURE WITH CITY OF CLARINDA AS REQUIRED FOR WORK WITHIN RIGHT OF WAY PRIOR TO START OF CONSTRUCTION.
6. CONTRACTOR TO PROTECT ALL UTILITIES, PAVEMENTS AND STRUCTURES THAT ARE NOT SCHEDULED FOR REMOVAL. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED UTILITIES, PAVEMENTS, AND STRUCTURES NOT SCHEDULED FOR REMOVAL PER CITY/OWNER SPECIFICATIONS AT THE CONTRACTORS EXPENSE.
7. CONTRACTOR TO REMOVE EXISTING GRANULAR SURFACE AND UNSUITABLE MATERIALS WITHIN REMOVAL LIMITS SHOWN AND HAUL OFF TO AN APPROVED LOCATION.
8. CONTRACTOR TO COORDINATE WITH OWNER FOR SALVAGING & STORING MATERIALS AT A LOCATION DESIGNATED BY THE OWNER.
9. CONTRACTOR TO COORDINATE WITH UTILITY OWNERS AND MEP FOR ANY REQUIRED RELOCATION OR ADJUSTMENT OF EXISTING FIBER, ELECTRIC AND GAS LINES AS NEEDED TO AVOID CONFLICT WITH CONSTRUCTION ACTIVITIES AND IMPROVEMENTS.
10. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND STRUCTURAL PLANS FOR ANY BUILDING AND STOOP DEMOLITION.
11. ALL REMOVAL AND REPLACEMENT OF EXISTING FENCING IS TO BE COMPLETED BY OWNER.



GRAPHIC SCALE
30 0 15 30 60

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ISSUE:

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PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:
EX. CONDITIONS & DEMO PLAN

SHEET NUMBER:
C1.1

PROJECT NO.: 240202.00
RFB922300-02

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GENERAL NOTES:

1. CONTRACTOR TO PROVIDE GRADATION TESTING FOR GRANULAR MATERIAL DELIVERED TO THE SITE GRADATION TESTING IS TO BE CONDUCTED AND REVIEWED BY GEOTECHNICAL FIRM PRIOR TO GRANULAR MATERIAL BEING INSTALLED.
2. IF GRANULAR MATERIAL ARE INSTALLED THAT DO NOT MEET THE APPROVED GEOTECHNICAL REPORT AND SPECIFICATIONS. THE CONTRACTOR, SHALL AT THEIR OWN EXPENSE, REMOVE AND REPLACE THE DEFICIENT GRANULAR MATERIAL PER SPECIFICATION.
3. CONTRACTOR TO COORDINATE WITH OWNER TO MAINTAIN SECURITY AND FOR ANY MODIFICATION OF THE SECURITY FENCE AND GATES
4. CONTRACTOR TO REMOVE TEMPORARY GRAVEL DRIVE AND RESTORE TO ORIGINAL CONDITION AFTER COMPLETION OF PROJECT

PAVEMENT & ASPHALT PLACEMENT NOTES:

1. SEE PROJECT SPECIFICATION 32 13 13 FOR ADDITIONAL INFORMATION ON LASER SCREED REQUIREMENTS.
2. CONTRACTOR TO CONNECT TO EXISTING PCC PAVEMENTS WITH IOWA SUDAS TYPICAL BT JOINT.
3. CONTRACTOR TO REPLACE PCC PAVEMENTS FOR STORM SEWER INSTALLATION PER SUDAS. CONTRACTOR TO REPLACE PAVEMENTS WITH A MINIMUM THICKNESS THAT IS 1" GREATER THAN THE EXISTING PAVEMENT THICKNESS.
4. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER FOR TRAILER PARKING & STAGING AREA.

BUILDING & STRUCTURAL NOTES:

1. SEE FINAL ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
2. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR DETAILED BUILDING CONSTRUCTION INFORMATION.
3. CONTRACTOR TO REFER TO STRUCTURAL PLANS FOR DETAILED BUILDING FOUNDATION AND STOOP LOCATIONS AND DETAILED CONSTRUCTION INFORMATION.

RESTORATION NOTES:

1. CONTRACTOR TO REMOVE AND RESTORE TEMPORARY CONSTRUCTION AREAS TO PREVIOUS WORKING CONDITION AFTER CONSTRUCTION.
2. CONTRACTOR TO DISPOSE/STOCKPILE EXCESS EARTH & GRAVEL WASTE IN AREA DESIGNATED BY OWNER.

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ISSUE:

#	DATE:	DESCRIPTION:

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PROJECT:

STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:

LAYOUT PLAN

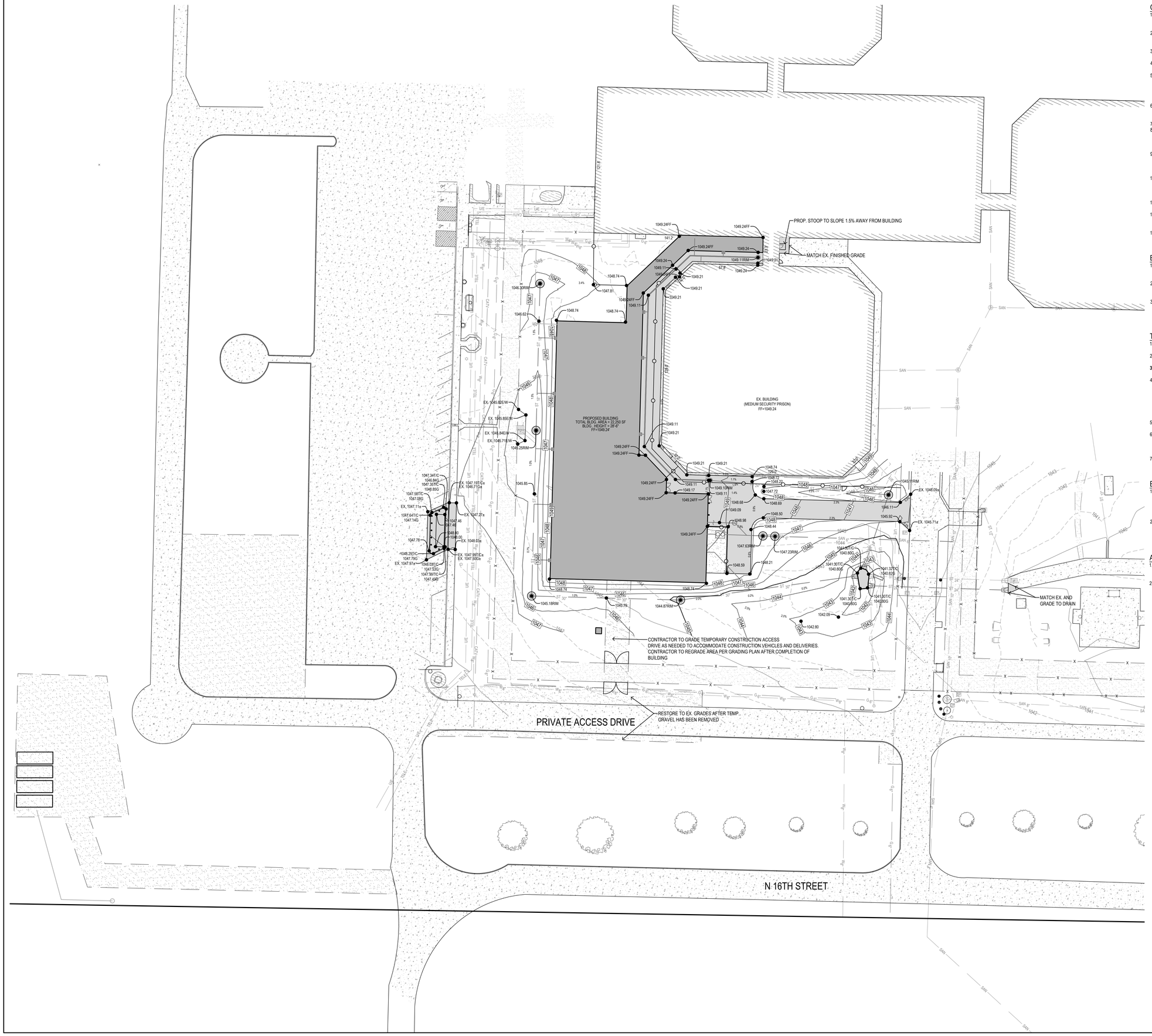
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PROJECT NO.: 240202.00
RFB922300-02

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GENERAL NOTES:

1. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR BUILDING OVERHEAD AND MAN DOOR ELEVATION DETAILS. ALL BUILDING STOOPS SHALL HAVE A MINIMUM 1.0% CROSS SLOPE AND A MAX 2% CROSS SLOPE.
2. CONTRACTOR TO VERIFY AND COORDINATE EXTERIOR PAVEMENT ELEVATIONS ADJACENT TO STOOP AND DOOR LOCATIONS TO PROVIDE A MINIMUM 1.0% SLOPE AND A MAX 5% SLOPE AWAY FROM BUILDING AND BUILDING STOOPS.
3. ALL PAVEMENT AREAS SHALL HAVE A MINIMUM 1.0% SLOPE TO PROVIDE POSITIVE DRAINAGE.
4. SIDEWALKS SHALL HAVE A MINIMUM 1.0% CROSS SLOPE AND A MAX 2% CROSS SLOPE AT ANY LOCATION.
5. THE TRADE CONTRACTOR AND THEIR SURVEYOR SHALL BE RESPONSIBLE FOR CREATING THE STAKING MODEL. CONTRACTOR TO VERIFY ALL GRADING ELEVATIONS AND CONTACT THE OWNER/ENGINEER, PRIOR TO CONSTRUCTION, IF THERE ARE ANY DISCREPANCIES OR CONFLICTS BETWEEN THE PLANS AND TYPICAL CONSTRUCTION STANDARDS AND TOLERANCES.
6. ANY AS-BUILT PAVEMENTS AREAS THAT ARE IDENTIFIED TO HAVE LOW SPOTS OR PONDING SHALL BE REMOVED AND REPLACED, AT CONTRACTOR'S EXPENSE, AS NEEDED TO PROVIDE POSITIVE DRAINAGE.
7. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES RIMS TO GRADE.
8. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDERS FOR ANY RELOCATION OR LOWERING OF EXISTING UTILITIES TO ACCOMMODATE GRADING AND NEW UTILITIES. ANY REMOVAL AND REPLACEMENT OF SAID UTILITIES SHALL BE INCIDENTAL.
9. CONTRACTOR TO GRADE TEMPORARY CONSTRUCTION ACCESS DRIVE AS NEEDED TO SERVE CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVE TEMPORARY CONSTRUCTION ACCESS DRIVE AND GRADE AREA PER GRADING PLAN.
10. A TEMPORARY CULVERT WILL NEED TO BE CONSTRUCTED IF THE STORM SEWER INTAKES ARE NOT INSTALLED BEFORE THE CONSTRUCTION OF THE TEMPORARY ACCESS DRIVE. IF CONSTRUCTED, THE TEMPORARY CULVERT WILL NEED TO BE REMOVED AFTER COMPLETION OF PROJECT.
11. THE GEOTECHNICAL REPORT/SPECIFICATIONS AS APPROVED BY THE OWNER'S GEOTECHNICAL ENGINEER SHALL GOVERN.
12. ADDITIONAL GRADING AND REWORK TO CORRECT DEFICIENCIES OR MEET THE GEOTECHNICAL REPORT/SPECIFICATION DESIGN REQUIREMENTS SHALL BE INCIDENTAL AND AT THE CONTRACTOR'S EXPENSE.
13. CONTRACTOR TO COORDINATE GRADING AT STORM SEWER APRONS TO TO MATCH APRON OPENING TO PROVIDE SMOOTH GRADE TRANSITION, COVER OVER PIPE AND LIMIT APRON PROTRUDING FROM SLOPE.

EARTHWORK OVER EXCAVATION NOTES:

1. CONTRACTOR TO COORDINATE WITH STRUCTURAL AND GEOTECHNICAL ENGINEER FOR OVER-EXCAVATION OF UNSUITABLE SOILS WITHIN BUILDING AREA .
2. CONTRACTOR TO COORDINATE WITH GEOTECHNICAL REPORT/SPECIFICATIONS FOR ANY OVER EXCAVATION AND STRUCTURAL BACK FILL REQUIREMENTS WITHIN THE BUILDING PAD/FOOTING AND SITE PAVEMENT LIMITS.
3. CONTRACTOR TO COORDINATE WITH GEOTECHNICAL ENGINEER FOR OBSERVATION AND TESTING TO ENSURE THAT THE FILL REQUIREMENTS FOR THE FILL, OVER-EXCAVATED AND RE-COMPACTED AREAS WITHIN THE BUILDING FOOTPRINT HAVE MET GEOTECHNICAL REPORT/SPECIFICATIONS.

TOPSOIL NOTES:

1. STRIP AND STOCKPILE THE TOP 6" (MINIMUM) OF SOIL ON ALL DISTURBED AREAS.
2. RESPREAD TOPSOIL TO A MINIMUM DEPTH OF 6" ON ALL GREEN (NON PAVED) AREAS. IMPORT TOPSOIL AS NECESSARY TO ACHIEVE A MINIMUM DEPTH OF 6".
3. **TOPSOIL SHALL BE FREE OF ALL ROCK AND DEBRIS LARGER THAN 3/4" IN SIZE.**
4. TOPSOIL IS DEFINED AS: FERTILE, FRIABLE LOAM, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FROM WELL DRAINED SITE FREE FROM FLOODING, NOT IN FROZEN OR MUDDY CONDITIONS; REASONABLE FREE FROM SUBSOIL, CLAY LUMPS, ROOTS, GRASS, WEEDS, STONES LARGER THAN 3/4 INCH IN DIAMETER, AND FOREIGN MATTER; ACIDITY RANGE (PH) OF 5.5 TO 7.5; CONTAINING MINIMUM 4 PERCENT AND MAXIMUM 20 PERCENT ORGANIC MATTER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.
6. CONTRACTOR TO COORDINATE WITH CITY OF CLARINDA FOR ANY REQUIRED TESTING OR INSPECTION OF TOPSOIL DURING CONSTRUCTION. ANY TOP SOIL MEDIATION REQUIRED TO AMEND THE TOP SOIL TO MEET CITY CODE REQUIREMENTS SHALL BE INCIDENTAL.
7. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT AND STRUCTURAL PLANS FOR ANY OVER EXCAVATION OF EXPANSIVE SOILS REQUIRED WITHIN THE BUILDING PAD FOOT PRINT.

BUILDING DOOR ELEVATIONS:

1. THE ELEVATIONS SHOWN AT THE BUILDING DOORS AND BUILDING WALLS ON THE GRADING PLAN ARE FOR COORDINATION ONLY. BUILDING ARCHITECTURAL/STRUCTURAL PLANS AND DETAILS SHALL GOVERN FOR BUILDING DOOR ELEVATIONS, STOOP SLOPES AND EXPOSED WALLS OR FOOTINGS.
2. CONTRACTOR TO COORDINATE AND VERIFY ALL BUILDING AND DOOR ELEVATIONS WITH EXTERIOR IMPROVEMENTS TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING PRIOR TO CONSTRUCTION. IF THERE IS A DISCREPANCY, CONTRACTOR TO CONTACT OWNER/ENGINEER FOR DIRECTION PRIOR TO CONSTRUCTION AND/OR INSTALLATION.

ADA RAMP & LANDING NOTES:

1. RAMPS ON SIDEWALKS THAT EXCEED 5% RUNNING SLOPE MUST HAVE A MINIMUM OF 5'X5' LANDING AT THE TOP AND BOTTOM OF THE RAMP. THE LANDING SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
2. NOT ALL RAMPS AND LANDINGS ARE CALLED OUT ON PLANS. ANYWHERE A WALK EXCEEDS 5% SLOPE, AS SHOWN ON THE GRADING PLAN, SHALL BE CONSIDERED AN ADA RAMP AND THEREFORE MUST HAVE LANDINGS.

GRADING LEGEND:

EXISTING CONTOUR	150
PROPOSED CONTOUR	150
FINISHED GROUND ELEVATION	150.50
TOP OF CURB ELEVATION	150.50T/C
GUTTER ELEVATION	150.50G
TOP OF WALL ELEVATION	150.50T/W
BOTTOM OF WALL ELEVATION	150.50B/W
EDGE OF WALK ELEVATION	150.50E/W
TOP OF STAIR ELEVATION	150.50T/S
BOTTOM OF STAIR ELEVATION	150.50B/S

NOTE: WALL ELEVATIONS SHOWN ON PLAN ARE FINISHED GROUND GRADES AT THE TOP AND BOTTOM OF THE WALL.

GRAPHIC SCALE

30 0 15 30 60

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ISSUE:

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BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

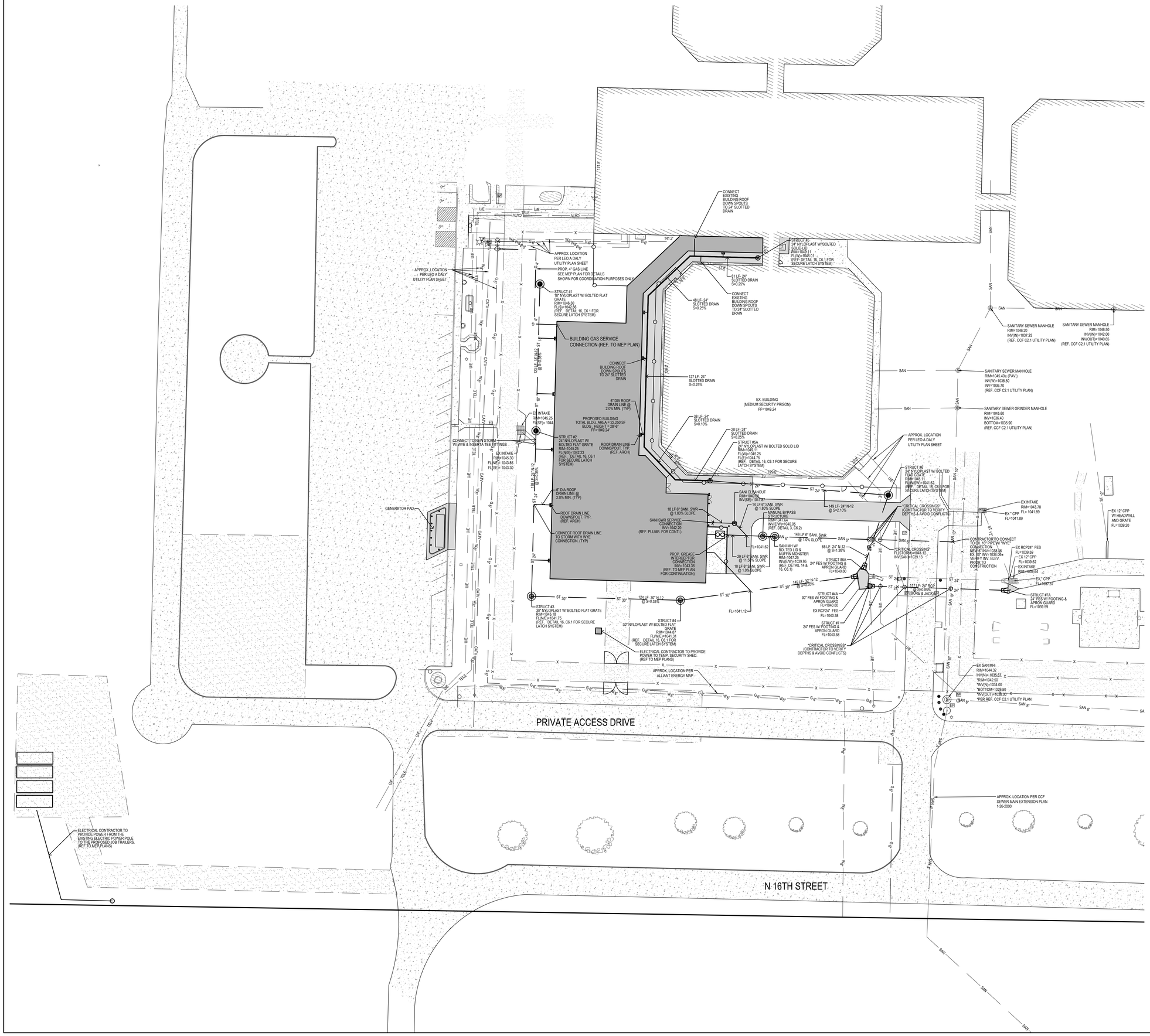
DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C3.1

PROJECT NO.: 240202.00
RFB922300-02

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GENERAL NOTES:

1. CONTRACTOR TO PROVIDE GRADATION TESTING FOR GRANULAR MATERIAL DELIVERED TO THE SITE GRADATION TESTING IS TO BE CONDUCTED AND REVIEWED BY GEOTECHNICAL FIRM PRIOR TO GRANULAR MATERIAL BEING INSTALLED.
2. IF GRANULAR MATERIAL ARE INSTALLED THAT DO NOT MEET THE APPROVED GEOTECHNICAL REPORT AND SPECIFICATIONS. THE CONTRACTOR, SHALL AT THEIR OWN EXPENSE, REMOVE AND REPLACE THE DEFICIENT GRANULAR MATERIAL PER SPECIFICATION.
3. GENERATOR PAD IS SHOWN FOR REFERENCE ONLY AND MAY NOT BE DRAWN TO ACTUAL SIZE. PAD SHALL CONFORM TO ALL UTILITY COMPANY DESIGN STANDARDS AND SPECIFICATIONS.

UTILITY NOTES:

1. ALL PROPOSED UTILITIES SHALL BE PRIVATE, UNLESS NOTED OTHERWISE.
2. ALL WATER LINES SHALL HAVE A MINIMUM OF 5.5' OF COVER UNLESS NOTED OTHERWISE.
3. FIRE HYDRANT ASSEMBLY SHALL INCLUDE THE TEE, BRANCH, VALVE AND HYDRANT.
4. PIPE LENGTHS CALLED OUT ON PLANS INCLUDE FLARED END SECTION, WHERE APPLICABLE.
5. STORM SEWER CALLED OUT AS RCP MUST BE CLASS III RCP.
6. STORM SEWER CALLED OUT AS N-12 MAY BE EITHER N-12 OR CLASS III RCP.
7. FOR RCP PIPE, ASSOCIATED F.E.S. MUST BE RCP. FOR N-12 PIPE, ASSOCIATED F.E.S. SHALL BE CMP.
8. NITRILE GASKETS ARE REQUIRED WHERE WATER MAIN CROSSES UNDER STORM SEWER.
9. C900 PIPE REQUIRED FOR SANITARY SEWER WHERE WATER MAIN CROSSES UNDER SANITARY SEWER.
10. ALL NYLOPLAST BASINS SHALL HAVE CASTINGS SECURELY FASTENED TO THE BASIN BODY, AND ALL GRATES SHALL BE BOLTED DOWN TO THE CASTINGS.
11. REFER TO MEP & TECHNOLOGICAL PLANS FOR ALL ELECTRICAL/FIBER/CONDUIT/GAS ROUTING & LOCATIONS. SAID UTILITIES HAVE BEEN SHOWN FOR COORDINATION PURPOSES ONLY.
12. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR SITE SERVICE CONNECTIONS AND ROUTINGS TO AVOID CONFLICT WITH THE BUILDING CONSTRUCTION.
13. CONTRACTOR TO COORDINATE WITH CITY OF CLARINDA FOR ANY PERMITTING AND CONSTRUCTION REQUIREMENTS FOR WORK WITHIN CITY ROW AND CONNECTION TO PUBLIC UTILITIES PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL ADJUST EXISTING UTILITY RIMS AND STRUCTURES TO GRADE. CONTRACTOR TO REFER TO MEP PLANS FOR ALL LIGHTING FIXTURE , POWER POST AND CHARGING STATIONS TYPES AND LOCATIONS. EXTERIOR LIGHT FIXTURE, POWER POST AND CHARGING STATIONS HAVE BEEN SHOWN FOR COORDINATION ONLY.
15. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR ELECTRIC SERVICES.
16. CONTRACTOR TO COORDINATE WITH MEP PLAN FOR SANITARY SEWAGE GRINDER FOR ELECTRICAL CONNECTION, PANEL AND TECHNOLOGY SERVICE TO BUILDING.
17. CONTRACTOR TO CONNECT TO BUILDING SERVICE AND PLUMBING. CONTRACTOR TO REFER TO MEP PLANS FOR FINAL DESIGN

ELECTRIC CRITICAL CROSSING NOTES:

1. FOR ALL CRITICAL CROSSINGS WITH EXISTING ELECTRICAL, CONTRACTOR SHALL FIELD VERIFY LOCATION & ELEVATION OF EX ELECTRICAL LINE.
2. FOR CROSSING WITH WATER MAIN, BEND WATER MAIN UNDER ELECTRICAL LINES AS NEEDED.
3. FOR ALL OTHER UTILITY CROSSINGS, CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDER FOR ADJUSTMENT OF ELECTRICAL LINE.

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PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

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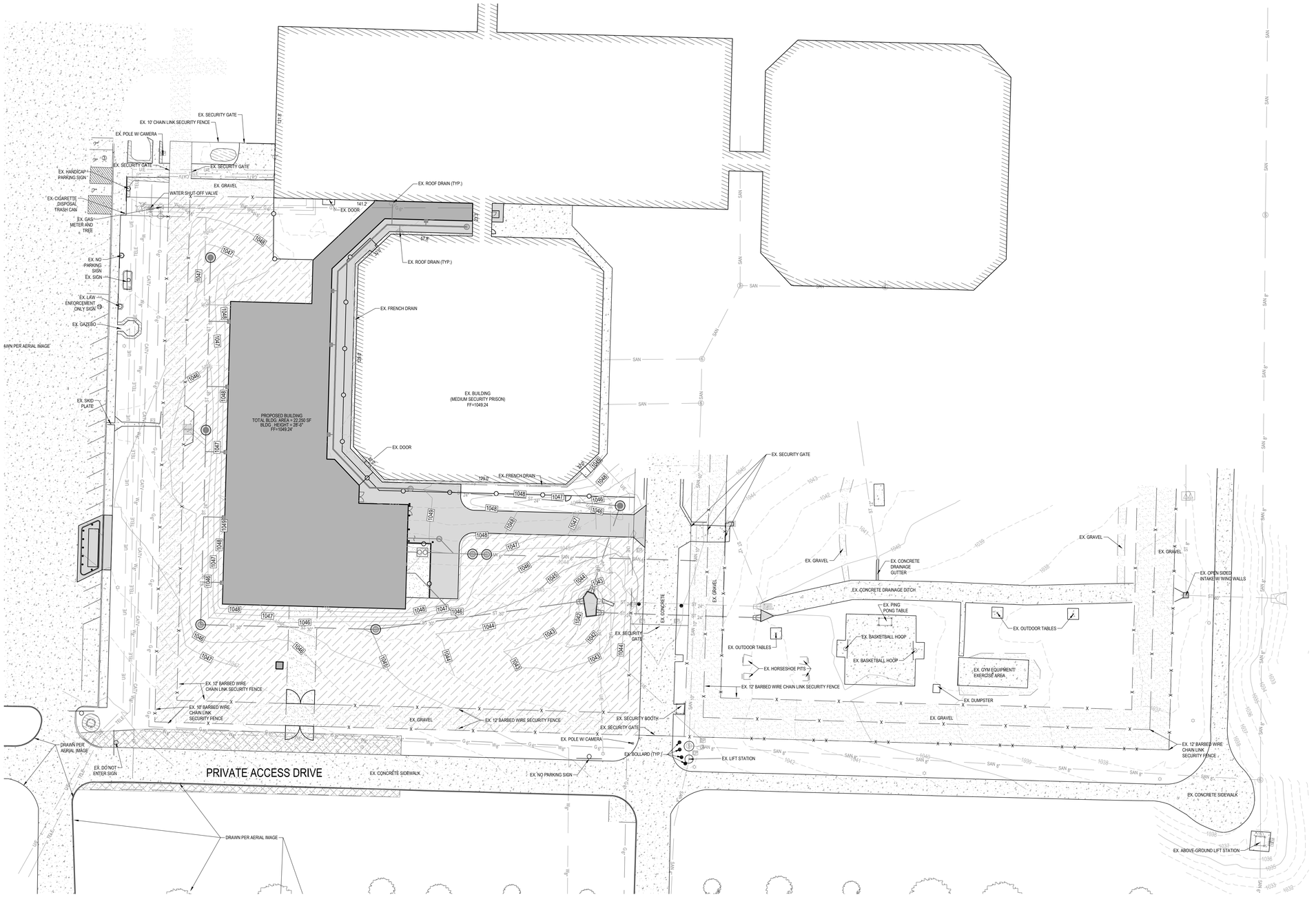
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DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.1

PROJECT NO.: 240202.00
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LANDSCAPE NOTES:

1. ALL SEEDING & LANDSCAPE PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE URBAN STANDARD SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE.
2. SEED ALL DISTURBED AREAS WITHIN THE CONTRACT LIMITS, UNLESS NOTED OTHERWISE. SEED LIMITS SHOWN ON PLAN ARE FOR REFERENCE ONLY. FINAL LIMITS MAY CHANGE BASED ON CONSTRUCTION ACTIVITIES.
3. STAKE SOD ON ALL SLOPES 3 : 1 OR GREATER.
4. PLANT QUANTITIES ARE FOR CONTRACTORS CONVENIENCE, THE DRAWING SHALL PREVAIL IF A CONFLICT OCCURS.
5. ALL PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).
6. CONTRACTOR SHALL WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF INITIAL ACCEPTANCE.
7. FOR WARRANTY PURPOSES, THE DATE OF INITIAL ACCEPTANCE SHALL BE SUBMITTED IN WRITING TO THE OWNER AND/OR OWNER'S REPRESENTATIVE AFTER ALL PLANT MATERIALS HAVE BEEN INSTALLED AND REVIEWED BY OWNER OR OWNER'S REPRESENTATIVE. PLANT MATERIALS WILL ONLY BE ACCEPTED IF THEY ARE IN AN ALIVE AND THRIVING CONDITION.
8. CONDITIONAL ACCEPTANCE OF PLANT MATERIAL MAY BE GIVEN FOR PLANTS INSTALLED IN A DORMANT CONDITION WITH INITIAL ACCEPTANCE OCCURRING THE FOLLOWING SPRING ONCE THEY ARE SHOWN TO BE ALIVE AND THRIVING.
9. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE IDENTIFICATION TAGS AND CORDS ON ALL PLANT MATERIAL PRIOR TO THE COMPLETION OF THE CONTRACT. IDENTIFICATION TAGS (INCLUDING SIZING INFORMATION) MUST BE LEFT ON UNTIL AFTER ACCEPTANCE BY OWNER OR OWNER'S REPRESENTATIVE.
10. CONTRACTOR SHALL PLACE SHREDDED HARDWOOD MULCH AROUND ALL TREES, SHRUBS AND GROUND COVER BEDS TO A DEPTH OF 4 INCHES, UNLESS NOTED.
11. STAKING AND GUYING OF TREES SHALL BE AT THE DISCRETION OF THE CONTRACTOR BASED ON CURRENT ACCEPTED NURSERY STANDARDS. GENERALLY, TREES IN LARGE OPEN AREAS SUBJECT O SIGNIFICANT WIND SHALL BE STAKED. STAKE AND WRAP TREES IMMEDIATELY AFTER PLANTING. CONTRACTOR SHALL ADJUST AND MAINTAIN GUYING TENSION THROUGHOUT THE PLANT ESTABLISHMENT PERIOD. REMOVE ALL STAKES AND GUY WIRES NO MORE THAN ONE YEAR AFTER INSTALLATION.
12. THE LANDSCAPING CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BEFORE STARTING ANY SITE WORK OR PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
13. NO LANDSCAPE MATERIAL SHALL BE SUBSTITUTED WITHOUT THE AUTHORIZATION OF THE LANDSCAPE ARCHITECT..
14. CONTRACTOR SHALL BE RESPONSIBLE MAINTAINING APPROPRIATE LEVEL OF WATERING FOR ALL NEW PLANTS FOR A PERIOD OF 30 DAYS.
15. ALL SHRUB AND PERENNIAL PLANTING BEDS SHALL BE MULCHED WITH 4" THICK SHREDDED HARDWOOD MULCH.
16. ALL SHRUB AND PERENNIAL PLANTING BEDS SHALL INCORPORATE TYPAR 3301 NONWOVEN LANDSCAPE FABRIC (OR SIMILAR) AND 3" THICK LAYER OF WASHED RIVER ROCK (1.5" NOMINAL SIZE).
17. ALL BEDS TO RECEIVE GRANULAR PRE-EMERGENT WEED CONTROL BEFORE AND AFTER MULCH/ROCK IS INSTALLED.

SEED: MIX TO BE "SUPER TURF II" BY UNITED SEEDS (OR APPROVED EQUAL). SEED AT A RATE OF 440 LBS PER ACRE. SEEDING DATES, SITE PREPARATION, SEEDING INSTALLATION, WATER REQUIREMENTS, FERTILIZING, AND MOWING PER UNITED SEEDS TECH BULLETIN FOR SEED TYPE. OVERSEEDING (IF REQUIRED) TO BE INSTALLED AT 220 LBS PER ACRE.

GRAPHIC SCALE
30 0 15 30 60

Farnsworth GROUP
14225 UNIVERSITY AVENUE, SUITE 110
WALKEE, IOWA 50263
(515) 225-3469 / info@f-w.com
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kpff

IMEG

Bishop Engineering
3501 104th Street
Des Moines, Iowa 50322-3825
Phone (515)276-9467 Fax (515)276-9217

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

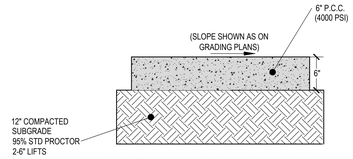
DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED: SVS

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
C5.1

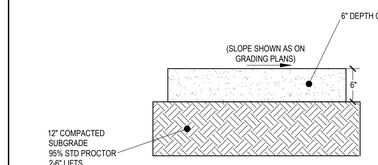
PROJECT NO.: 240202.00 RFB922300-02

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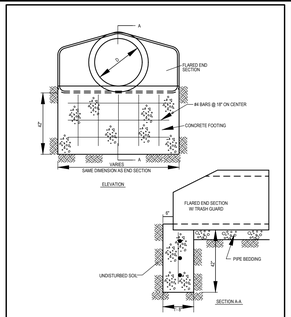
1. GEOTECHNICAL REPORT FOR SITE WAS NOT PROVIDED BY OWNER.
2. THE DESIGN AND SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS ARE BASED ON TYPICAL CONDITIONS AND ARE NOT BASED ON RECOMMENDATIONS FROM SITE SPECIFIC GEOTECHNICAL REPORT.
3. THE RECOMMENDED DESIGN AND SPECIFICATIONS HAVE BEEN APPROVED BY THE OWNER.
4. ANY RECOMMENDATIONS MADE BY THE OWNER'S SELECTED GEOTECHNICAL FIRM SHALL GOVERN.
5. THE PAVEMENT SUBGRADE SHOULD BE CROWNED AT LEAST 2% TO PROMOTE THE FLOW OF WATER TOWARDS THE SUBDRAINS PER GEOTECHNICAL REPORT.

1 / C6.1 — 6" P.C.C. PAVING DETAIL
NOT TO SCALE

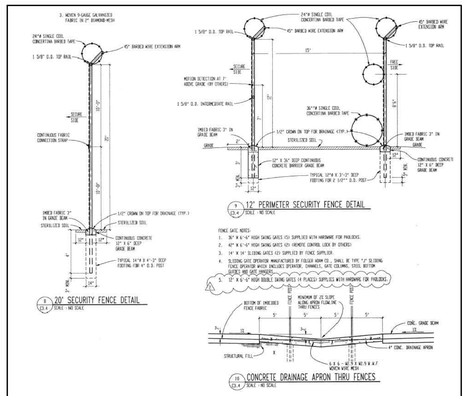


1. GEOTECHNICAL REPORT FOR SITE WAS NOT PROVIDED BY OWNER.
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4. ANY RECOMMENDATIONS MADE BY THE OWNER'S SELECTED GEOTECHNICAL FIRM SHALL GOVERN.
5. THE PAVEMENT SUBGRADE SHOULD BE CROWNED AT LEAST 2% TO PROMOTE THE FLOW OF WATER TOWARDS THE SUBDRAINS PER GEOTECHNICAL REPORT.

2 / C6.1 — 6" CLASS A ROAD STONE SECTION
NOT TO SCALE

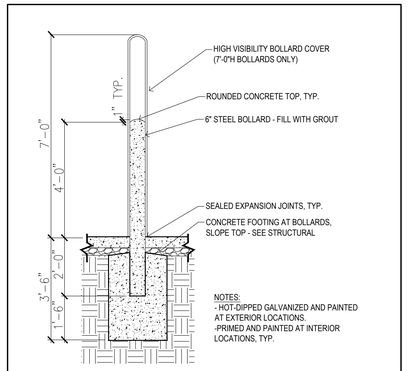


3 / C6.1 — FLARED END SECTION DETAIL
SCALE NONE



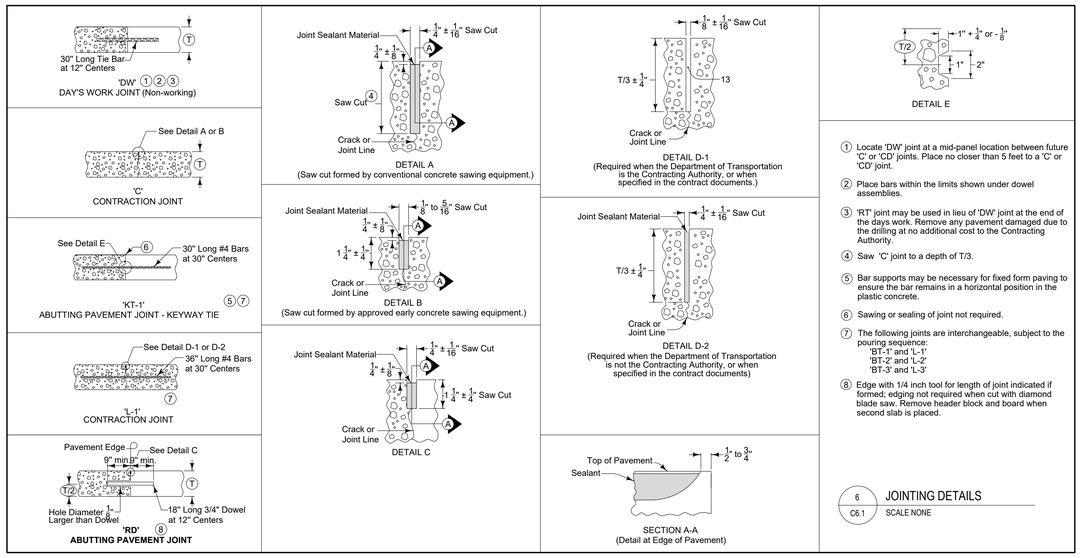
1. OWNER IS MANUFACTURING & INSTALLING ALL FENCE AND GATES (FENCE & GATE CONSTRUCTION NOT INCLUDED IN CONTRACT).
2. DETAIL SHOWN FOR COORDINATION PURPOSES ONLY

4 / C6.1 — OWNER PREFERRED EXAMPLE DETAILS: FOR COORDINATION PURPOSES ONLY
SCALE NONE



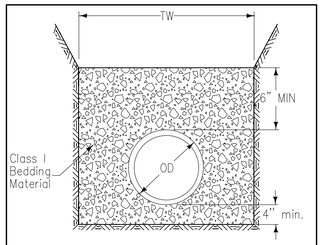
NOTES:
- HOT-DIPPED GALVANIZED AND PAINTED AT EXTERIOR LOCATIONS.
-PRIMED AND PAINTED AT INTERIOR LOCATIONS, TYP.

5 / C6.1 — SECTIONAL DETAIL & BOLLARD (7'-0"H & 4'-0"H) TYP.
SCALE NONE



1. Locate 'DW' joint at a mid-panel location between future 'C' or 'CD' joints. Place no closer than 5 feet to a 'C' or 'CD' joint.
2. Place bars within the limits shown under dowel assemblies.
3. "RT" joint may be used in lieu of 'DW' joint at the end of the days work. Remove any pavement damaged due to the drilling at no additional cost to the Contracting Authority.
4. Saw 'C' joint to a depth of T/3.
5. Bar supports may be necessary for fixed form paving to ensure the bar remains in a horizontal position in the plastic concrete.
6. Sawing or sealing of joint not required.
7. The following joints are interchangeable, subject to the pouring sequence:
   'BT-1' and 'L-1'
   'BT-2' and 'L-2'
   'BT-3' and 'L-3'
8. Edge with 1/4 inch tool for length of joint indicated if formed; edging not required when cut with diamond blade saw. Remove header block and board when second slab is placed.

6 / C6.1 — JOINTING DETAILS
SCALE NONE

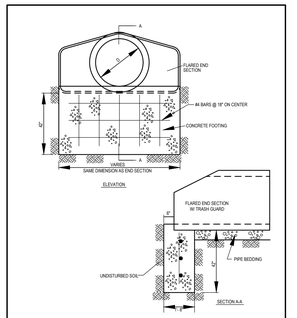


CLASS F-3

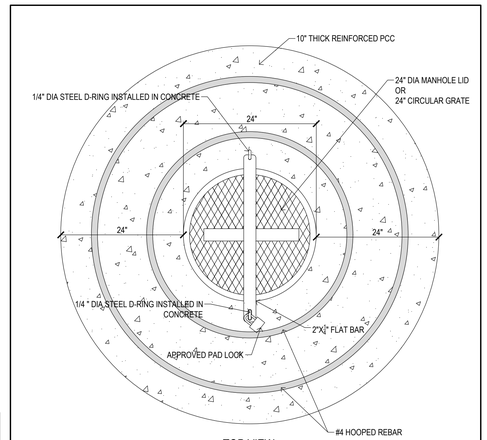
OD = Outside diameter of pipe

TW = Trench width at top of pipe:
Min. = OD+18 inches OR 1.25xOD+12"
(whichever is greater)

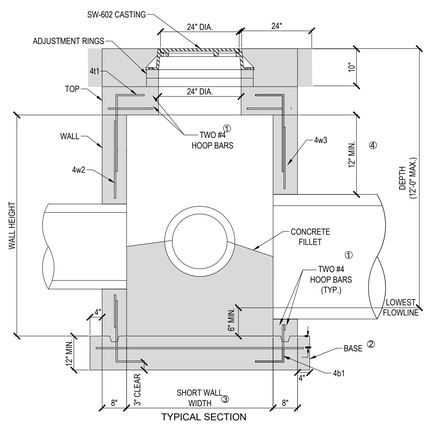
7 / C6.1 — PVC & N-12 PIPE BEDDING
SCALE NONE



8 / C6.1 — FLARED END SECTION DETAIL
SCALE NONE



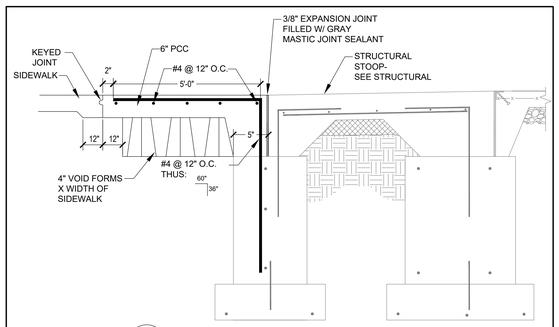
TOP VIEW



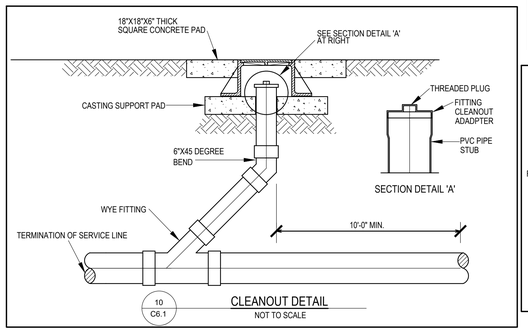
TYPICAL SECTION

CROSS SECTION

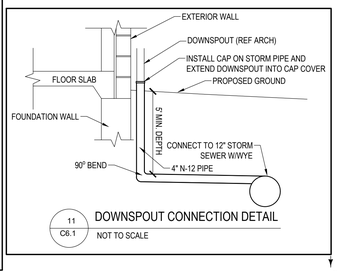
16 / C6.1 — BOLTED SEWER MANHOLE & CIRCULAR GRATE
SCALE NONE



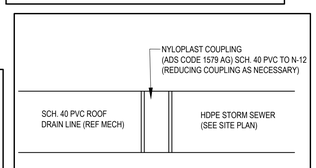
9 / C6.1 — STRUCTURAL STOOP / SIDEWALK TRANSITION DETAIL
SCALE NONE



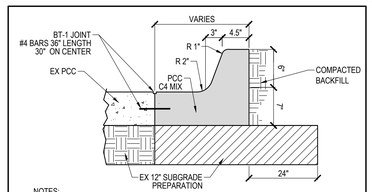
10 / C6.1 — CLEANOUT DETAIL
NOT TO SCALE



11 / C6.1 — DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE

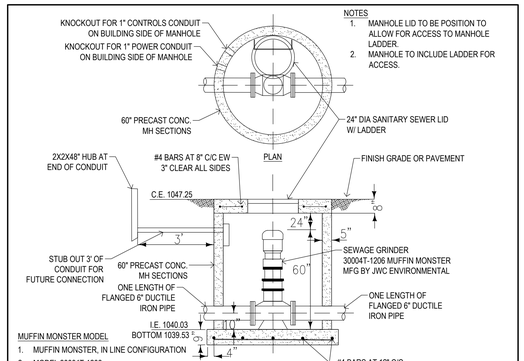


12 / C6.1 — ROOF DRAIN CONNECTION DETAIL
SCALE NONE



NOTES:
1. SLOPE GUTTER IN ACCORDANCE WITH GRADING PLAN.
2. INSTALL CURB & GUTTER INTERGRAL WITH PAVING.
3. PCC PAVEMENT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.

13 / C6.1 — CURB & GUTTER SECTION
NOT TO SCALE



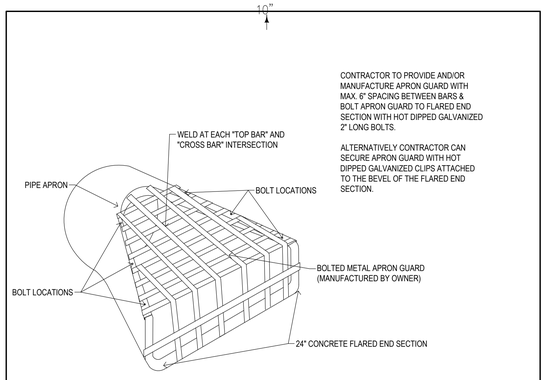
NOTES
1. MANHOLE LID TO BE POSITION TO ALLOW FOR ACCESS TO MANHOLE LADDER.
2. MANHOLE TO INCLUDE LADDER FOR ACCESS.

MUFFIN MONSTER MODEL
1. MUFFIN MONSTER, IN LINE CONFIGURATION
2. MODEL 30004T-1206
3. FLOW 200 GPM
4. FLANGE SIZE: 6-INCH
5. 5 HP TEFC MOTOR

APPROVED EQUIVELENT MODEL
1. VOGELSANG USA X RIPPER, IN LINE CONFIGURATION
2. MODEL XRP136-200Q
3. FLOW 200 GPM
4. FLANGE SIZE: 6-INCH
5. 5 HP MOTOR

02
1. REFER TO MEP PLANS FOR ELECTRICAL AND TECHNOLOGY CONNECTIONS FOR MUFFIN MOSTER.

14 / C6.1 — SANITARY SEWER GRINDER MANHOLE (30004T-1206)
SCALE NONE

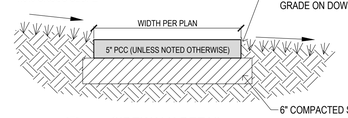


CONTRACTOR TO PROVIDE AND/OR MANUFACTURE APRON GUARD WITH MAX. 6" SPACING BETWEEN BARS & BOLT APRON GUARD TO FLARED END SECTION WITH HOT DIPPED GALVANIZED 2" LONG BOLTS.

ALTERNATIVELY CONTRACTOR CAN SECURE APRON GUARD WITH HOT DIPPED GALVANIZED CLIPS ATTACHED TO THE BEVEL OF THE FLARED END SECTION.

15 / C6.1 — 24" FLARED END SECTION AND BOLTED APRON GUARD
SCALE NONE

NOTE: SLOPE SIDEWALK IN ACCORDANCE WITH GRADING PLAN, 1.5% CROSS SLOPE



17 / C6.1 — SIDEWALK DETAIL
NOT TO SCALE

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14225 UNIVERSITY AVENUE, SUITE 110
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Engineers | Architects | Surveyors | Scientists

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kpff

IMEG

Bishop Engineering
3501 104th Street
Des Moines, Iowa 50322-3821
Phone: (515)276-0467 Fax: (515)276-0217

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

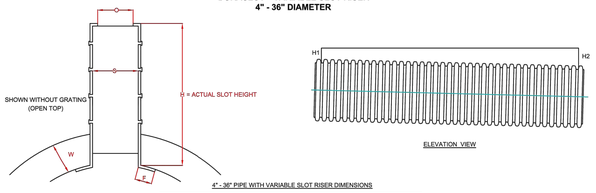
SHEET TITLE:
DETAILS SHEET

SHEET NUMBER:
C6.1

PROJECT NO.: 240202.00
RFB922300-02

2/5/2024 4:26:49 PM L:\LAND PROJECTS 2021\210558 CLARINDA CORRECTIONAL KITCHEN & LAUNDRY ADDITION\DWG\C6 DETAILS.DWG

DURASLOT® VARIABLE SLOT RISER
4" - 36" DIAMETER



ELEVATION VIEW

4" - 36" PIPE WITH VARIABLE SLOT RISER DIMENSIONS

PIPE DIAM.	H	W	F	O	S	PRODUCT # (GRATED)	PRODUCT # (OPEN TOP)
4" (100mm)	VARIES	0.34"	0.5"	1.25"	1.75"	0490DS	0490DSOT
6" (150mm)	VARIES	0.5" (13mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	0690DS	0690DSOT
8" (200mm)	VARIES	0.625" (16mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	0890DS	0890DSOT
10" (250mm)	VARIES	0.75" (19mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	1090DS	1090DSOT
12" (300mm)	VARIES	1.125" (29mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	1290DS	1290DSOT
15" (375mm)	VARIES	1.25" (32mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	1590DS	1590DSOT
18" (450mm)	VARIES	1.5" (38mm)	0.75" (19mm)	1.75" (44mm)	2.25" (57mm)	1890DS	1890DSOT
24" (600mm)	VARIES	1.875" (48mm)	1.0" (25mm)	1.75" (44mm)	2.25" (57mm)	2490DS	2490DSOT
30" (750mm)	VARIES	2.56" (65mm)	1" (25mm)	1.75" (45mm)	2.25" (57mm)	3090DS	3090DSOT
36" (900mm)	VARIES	2.85" (72mm)	1" (25mm)	1.75" (45mm)	2.25" (57mm)	3690DS	3690DSOT

NOTE:
A. SLOT HEIGHTS TO CONFORM TO DIMENSIONS ON PROJECT PLANS. 'H' AT EACH END OF EACH LENGTH OF DURASLOT® TO BE DETAILED ON SLOT DIMENSIONS LAYOUTS FOR APPROVAL BEFORE PRODUCTION.
B. DIMENSION FROM GRADE TO PIPE INVERT:
H (ACTUAL SLOT HEIGHT) + PIPE DIAMETER + RECESS (¾"-¼")
C. H1 AND H2 VARY BASED ON PROJECT SPECIFICATIONS.

© 2019 ADS, INC.
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D

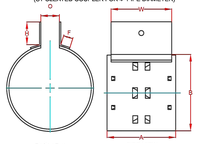
DRAWING NUMBER:

ADS — ADVANCED DRAINAGE SYSTEMS, INC. — 4640 TRUEMAN BLVD HILLIARD, OHIO 43026

DRAWN BY:
APPD BY:
DATE:
SCALE: NTS
SHEET: 1 OF 1

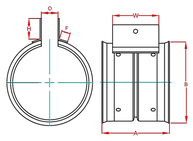
DURASLOT® VARIABLE COUPLERS
4" - 36" DIAMETER

(ST CLEATED COUPLER FOR 4" PIPE DIAMETER)



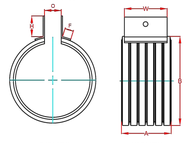
END VIEW SIDE VIEW

(BELL-BELL COUPLER FOR 6" PIPE DIAMETER)



END VIEW SIDE VIEW

(SPLIT COUPLER FOR 8" - 36" PIPE DIAMETER)



END VIEW SIDE VIEW

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

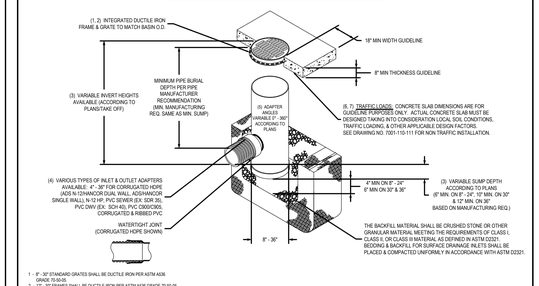
VARIABLE SLOT RISER COUPLER BAND DIMENSIONS

PIPE DIAM.	H	O	F	W	A	B	PRODUCT #
4" (100mm)	VARIES	1.875" (48mm)	0.75" (19mm)	3.75" (95mm)	4" (100mm)	4.75" (120mm)	0491DS
6" (150mm)	VARIES	2.375" (60mm)	1" (25mm)	5" (127mm)	7.25" (184mm)	7.625" (194mm)	0691DS
8" (200mm)	VARIES	2.375" (60mm)	1" (25mm)	6" (127mm)	6" (152mm)	10" (254mm)	0891DS
10" (250mm)	VARIES	2.375" (60mm)	1" (25mm)	8" (127mm)	5.5" (140mm)	12.5" (318mm)	1091DS
12" (300mm)	VARIES	2.375" (60mm)	1" (25mm)	8" (203mm)	7.75" (197mm)	******	1291DS
15" (375mm)	VARIES	2.375" (60mm)	1" (25mm)	9" (229mm)	10.5 (267mm)	******	1591DS
18" (450mm)	VARIES	2.375" (60mm)	1" (25mm)	9" (229mm)	10.5 (267mm)	******	1891DS
24" (600mm)	VARIES	2.375" (60mm)	1" (25mm)	10" (254mm)	12.63" (321mm)	******	2491DS
30" (750mm)	VARIES	2.375" (60mm)	1" (25mm)	10" (254mm)	16.5" (419mm)	******	3091DS
36" (900mm)	VARIES	2.375" (60mm)	1" (25mm)	10" (254mm)	20.8" (528mm)	******	3691DS

ADS — ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:
DRAWN BY:
APPROVED BY:
REVISIONS:
SCALE: NTS

NYLOPLAST DRAIN BASIN WITH STANDARD GRATE



1 - 8" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8"& 10" STANDARD GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-115-045.
3 - DRAIN BASIN INVERTS ARE AVAILABLE ACCORDING TO PLAN DETAILS. INVERTS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS - SEE DRAWING NO. 7001-115-03.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D312 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
5 - ADAPTER ANGLES MUST BE VARIABLE 0° TO ANY ANGLE 0° TO 360°. TO DETERMINE ADAPTER ANGLE FOR CUSTOM ADAPTERS SEE DRAWING NO. 7001-115-012.
6 - 12" - 30" STANDARD GRATES SHALL MEET H-20 LOAD RATING.
7 - 8" & 10" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY. NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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DRAWN BY	EBC	MATERIAL	
DATE	1-23-06		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	06-12-18		
DWG SIZE	A	SCALE 1:48	SHEET 1 OF 1

Nyloplast — 2130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

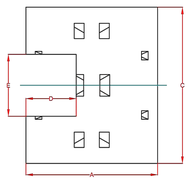
TITLE: DRAIN BASIN WITH STANDARD GRATE QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-14A REV J

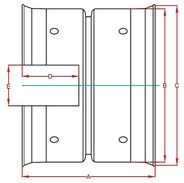
2 C6.2 NYLOPLAST DRAIN DETAIL
SCALE NONE

DURASLOT® ADAPTERS
4" - 36" DIAMETER

(ST CLEATED INTERNAL ADAPTER FOR 4" PIPE DIAMETER)



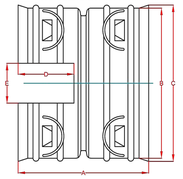
(BELL-BELL ADAPTER FOR 6-10" PIPE DIAMETER)



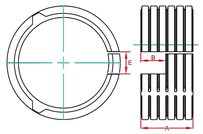
2.5", 6" & VARIABLE SLOT RISER ADAPTER DIMENSIONS

PIPE DIAM.	A	B	C	D	E	PRODUCT #
4" (100mm)	4" (100mm)	NA	4.75" (120mm)	1.25" (32mm)	2" (50mm)	0462DS
6" (150mm)	7.25" (184mm)	6.95" (177mm)	7.63" (194mm)	3" (76mm)	2.5" (64mm)	0662DS
8" (200mm)	8.25" (210mm)	9.17" (233mm)	10.13" (257mm)	3.5" (89mm)	2.5" (64mm)	0862DS
10" (250mm)	9.25 (235mm)	11.56" (294mm)	12.13" (308mm)	4" (100mm)	2.5" (64mm)	1062DS
12" (300mm)	14" (356mm)	14.6" (371mm)	15.4" (391mm)	5.5" (140mm)	2.5" (64mm)	1262DS
15" (375mm)	16" (406mm)	17.75 (449mm)	18.6" (472mm)	6.5" (165mm)	2.5" (64mm)	1562DS
18" (450mm)	18" (457mm)	21.4" (544mm)	22.4" (569mm)	7.5" (191mm)	2.5" (64mm)	1862DS
24" (600mm)	14.8" (374mm)	28.2" (716mm)	29.25" (743mm)	6" (152mm)	2.5" (64mm)	2462DS
30" (750mm)	16.5" (419mm)	8" (203mm)	NA	NA	2.5" (64mm)	3062DS
36" (900mm)	20.8" (528mm)	10" (254mm)	NA	NA	2.5" (64mm)	3662DS

(ST CLEATED EXTERNAL ADAPTER FOR 12" PIPE DIAMETER)
NOTE: ACCEPTABLE ALTERNATE FOR THIS PART



(SPLIT COUPLER ADAPTER FOR 30 & 36" PIPE DIAMETER)



END VIEW SIDE VIEW

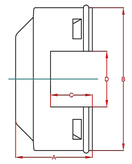
NOTE: ALL DIMENSIONS ARE FOR REFERENCE ONLY

ADS — ADVANCED DRAINAGE SYSTEMS, INC.

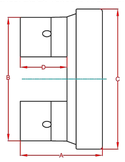
DRAWING #:
DRAWN BY:
APPROVED BY:
REVISIONS:
SCALE: NTS

DURASLOT® END CAPS
4" - 36" DIAMETER

(ST CLEATED END CAP FOR 4 & 8" PIPE DIAMETER)



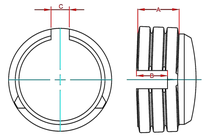
(SPIGOT END CAP FOR 6 & 10" PIPE DIAMETER)



2.5", 6" & VARIABLE SLOT RISER END CAP DIMENSIONS

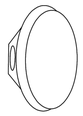
PIPE DIAM.	A	B	C	D	PRODUCT #
4" (100mm)	2.75" (70mm)	5.125" (130mm)	1.5" (38mm)	2" (50mm)	0433DS
6" (150mm)	4.5" (114mm)	6.95" (177mm)	7.63" (194mm)	3" (76mm)	0633DS
8" (200mm)	4.25" (108mm)	9.875" (249mm)	2.5" (64mm)	2.5" (64mm)	0833DS
10" (250mm)	5" (127mm)	11.56" (294mm)	12.13" (308mm)	3.5" (89mm)	1033DS
12" (300mm)	5.76" (146mm)	4.25" (108mm)	2.5" (64mm)	NA	1233DS
15" (375mm)	7.77" (197mm)	6.25" (159mm)	2.5" (64mm)	NA	1533DS
18" (450mm)	8.04" (204mm)	6.50" (165mm)	2.5" (64mm)	NA	1833DS
24" (600mm)	9.45" (240mm)	8" (200mm)	2.5" (64mm)	NA	2433DS
30" (750mm)	NA	NA	NA	NA	3033AA
36" (900mm)	NA	NA	NA	NA	3633AA

(SPLIT END CAP FOR 12" - 24" PIPE DIAMETER)



END VIEW TOP VIEW

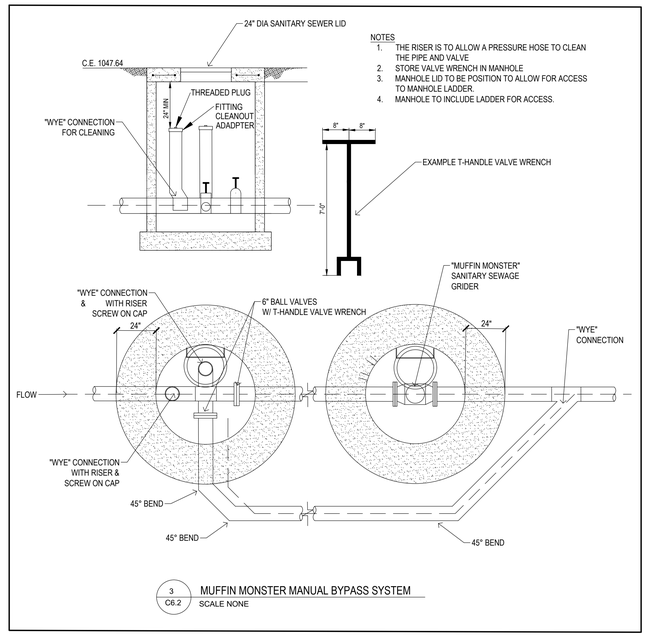
(TAYLOR END PLUG FOR 30 & 36" PIPE DIAMETER)



NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

ADS — ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:
DRAWN BY:
APPROVED BY:
REVISIONS:
SCALE: NTS

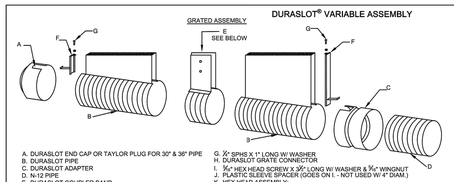


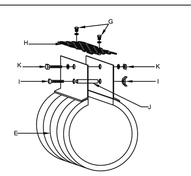
NOTES
1. THE RISER IS TO ALLOW A PRESSURE HOSE TO CLEAN THE PIPE AND VALVE.
2. STORE VALVE WRENCH IN MANHOLE
3. MANHOLE LID TO BE POSITION TO ALLOW FOR ACCESS TO MANHOLE LADDER.
4. MANHOLE TO INCLUDE LADDER FOR ACCESS.

3 C6.2 MUFFIN MONSTER MANUAL BYPASS SYSTEM
SCALE NONE

DURASLOT® VARIABLE ASSEMBLY

GRATED ASSEMBLY



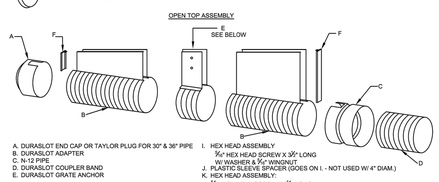


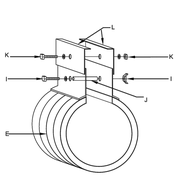
A. DURASLOT END CAP OR TAYLOR PLUG FOR 30" & 36" PIPE
B. DURASLOT PIPE
C. DURASLOT ADAPTER
D. N-12 PIPE
E. DURASLOT COUPLER BAND
F. DURASLOT GRATE ANCHOR
G. ¾" SPIKE X 1" LONG W/ WASHER
H. DURASLOT GRATE CONNECTOR
I. ⅜" HEX HEAD SCREW X 3½" LONG W/ WASHER & ⅜" WINGNUT
J. PLASTIC SLEEVE SPACER (GOES ON I. - NOT USED W/ 4" DIAM.)
K. HEX HEAD ASSEMBLY:
⅜" HEX HEAD SCREW X 3½" LONG
W/ (2) WASHERS AND ⅜" HEX NUT

TAYLOR PLUG USED FOR 30" & 36" DIAMETER PIPE

NOTE: EACH CAP (A) & ADAPTER (C) COMES WITH AN ANCHOR (F)
EACH COUPLER BAND (E) COMES WITH HARDWARE - I,J,K, & L

OPEN TOP ASSEMBLY





A. DURASLOT END CAP OR TAYLOR PLUG FOR 30" & 36" PIPE
B. DURASLOT ADAPTER
C. N-12 PIPE
D. DURASLOT COUPLER BAND
E. DURASLOT GRATE ANCHOR
I. HEX HEAD ASSEMBLY
⅜" HEX HEAD SCREW X 3½" LONG
W/ WASHERS & ⅜" WINGNUT
J. PLASTIC SLEEVE SPACER (GOES ON I. - NOT USED W/ 4" DIAM.)
K. HEX HEAD ASSEMBLY:
⅜" HEX HEAD SCREW X 3½" LONG
W/ (2) WASHERS AND ⅜" HEX NUT
L. DURASLOT BAND FLANGES

NOTE: EACH CAP (A) & ADAPTER (C) COMES WITH A CAP (F)
EACH COUPLER BAND (E) COMES WITH HARDWARE (I,J,K, & L)

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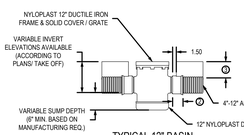
REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D

DRAWING NUMBER:

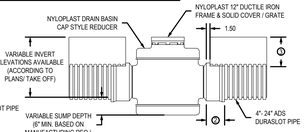
ADS — ADVANCED DRAINAGE SYSTEMS, INC. — 4640 TRUEMAN BLVD HILLIARD, OHIO 43026

DRAWN BY:
APPD BY:
DATE:
SCALE: NTS
SHEET: 1 OF 1

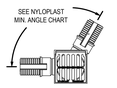
NYLOPLAST DRAIN BASIN STANDARD DETAIL FOR 4" - 24" DURASLOT PIPE



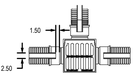
TYPICAL 12" BASIN



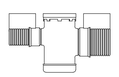
15"-24" DRAIN BASIN



CHANGE IN PIPE ANGLES



MULTIPLE CONNECTIONS (MORE THAN 2)

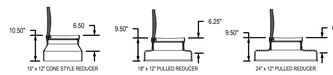


CHANGE IN DURASLOT PIPE DIAMETER

NYLOPLAST 12" CASTINGS			
GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
STANDARD	MEETS H-20	1299DSS	7001-110-333
SOLID COVER	MEETS H-20	1299DSC	7001-110-334

1 - NYLOPLAST 12" FRAMES & SOLID COVERS/GRATES SHALL CONFORM TO ASTM A 536 GRADE 70-50-05 FOR DUCTILE IRON.
2 - ADAPTERS FOR DURASLOT CONNECTION RANGE BETWEEN 4"-24". SEE DRAWING NO. 7001-110-275 FOR ADS N-12 BELL INFORMATION.
3 - SLOT HEIGHT VARIES DEPENDING ON DESIGN CRITERIA. SLOT HEIGHT CAN RANGE FROM 2.5" TO 36". 15" - 24" BASINS WILL REQUIRE SLOTS TALLER THAN STANDARD 2.5" -4" SLOTS.
4 - ENCASE ADAPTER IN CONCRETE TO SEAL CONNECTION BETWEEN ADS DURASLOT PIPE AND NYLOPLAST TEE BODY.
5 - RECTANGULAR SLOTS ARE TO BE CUT INTO BELL ON NYLOPLAST TEE DURING THE MANUFACTURING PROCESS TO ALLOW PIPE AND TEE TO FIT PROPERLY
6 - 18" AND 24" REDUCERS ARE A CUSTOM PART. 15" X 12" CONE STYLE REDUCER IS TYPICAL BUT REQUIRES TOP TO BE TRIMMED. BASINS WITH REDUCERS WILL REQUIRE CUSTOM SLOT HEIGHTS.
7 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES.

USES FOR DURASLOT BASINS



15" x 12" CONE STYLE REDUCER 18" x 12" PULLED REDUCER 24" x 12" PULLED REDUCER

15" - 24" BASIN REDUCER OPTIONS

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DRAWN BY	NMH	MATERIAL	
DATE	3-27-20		
APPD BY	NMH	PROJECT NO./NAME	
DATE	3-27-20		
DWG SIZE	A	SCALE 1:25	SHEET 1 OF 1

ADS Nyloplast — 3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 12" - 24" DRAIN BASIN STANDARD DETAIL FOR 4" - 24" DURASLOT PIPE

DWG NO. 7001-110-572 REV A

1 C6.2 NYLOPLAST DRAIN BASIN DETAILS
SCALE NONE

Farnsworth GROUP
14225 UNIVERSITY AVENUE, SUITE 110
WALKEE, IOWA 50263
(515) 225-3469 / info@f-w.com
www.f-w.com
Engineers | Architects | Surveyors | Scientists

RIPPE ASSOCIATES
FOODSERVICE DESIGN + CONSULTING
10400 Yellow Circle Drive, Suite 100, Minneapolis, MN 55343
952-933-2233 | www.RippeAssociates.com

kpff

IMEG

Bishop Engineering
3301 104th Street
Des Moines, Iowa 50322-3821
Phone: (515)276-7467 Fax: (515)276-8257

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

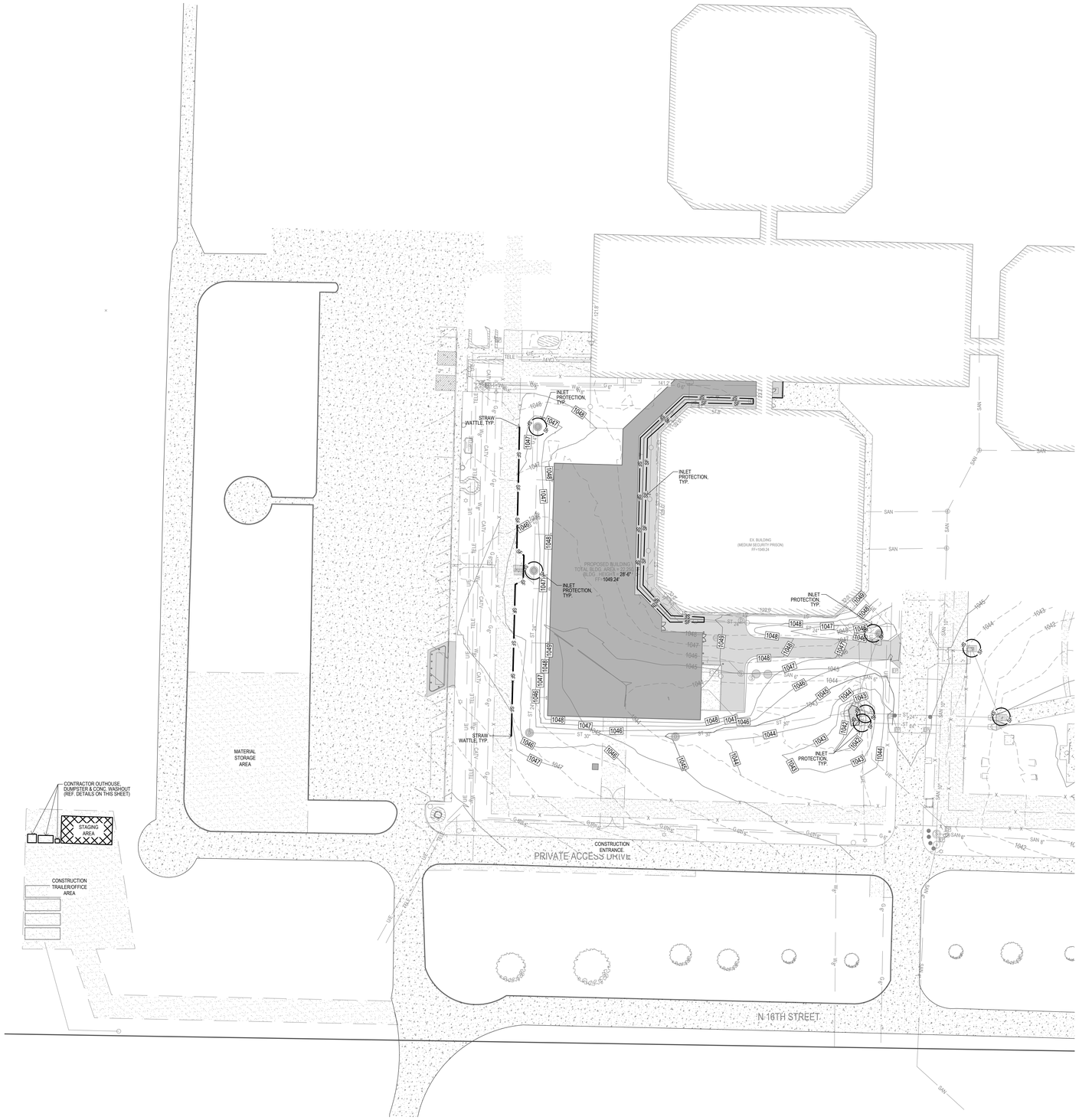
SHEET TITLE:
DETAILS SHEET

SHEET NUMBER:
C6.2

PROJECT NO.: 240202.00
RFB922300-02

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2/5/2024 4:27:02 PM

STORM WATER POLLUTION PREVENTION PLAN



PROPERTY DESCRIPTION:

PARCEL "A", N 1/2 - SW 1/4, SEC. 19-69-36

A PARCEL OF LAND LOCATED IN THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 69 NORTH, RANGE 36 WEST OF THE 5TH P.M., PAGE COUNTY IOWA. DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTER SECTION OF SAID SECTION 19-69-36; THENCE S0°35'00"W, ALONG THE EAST LINE OF THE SW 1/4 OF SAID SECTION 19, A DISTANCE OF 1323.05 FEET TO THE SOUTHEAST CORNER OF THE NE 1/4 - SW 1/4 OF SAID SECTION 19; THENCE N87°56'11"W, ALONG THE SOUTH LINE OF THE N 1/2 - SW 1/4 OF SAID SECTION 19, A DISTANCE OF 2548.18 FEET; THENCE N0°42'58"W A DISTANCE OF 33.90 FEET; THENCE S87°51'35"E A DISTANCE OF 891.14 FEET; THENCE N0°38'00"E A DISTANCE OF 1280.71 FEET TO A POINT ON THE NORTH LINE OF THE SW 1/4 OF SAID SECTION 19; THENCE S88°14'57"E, ALONG THE NORTH LINE OF THE SW 1/4 OF SAID SECTION 19, A DISTANCE OF 1656.51 FEET TO THE POINT OF BEGINNING, CONTAINING 50.81 ACRES INCLUDING COUNTY ROAD M-70 RIGHT OF WAY ALONG THE EAST SIDE AND SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

ADDRESS:

2000 N 16TH STREET
CLARINDA, IOWA 51632

OWNER:

STATE OF IOWA

PREPARED FOR:

FARNSWORTH GROUP
14225 UNIVERSITY AVENUE, SUITE 110
WALKEE, IOWA 50263
PH: 515-225-3469

SITE AREA:

50.81 ACRES

SITE CONTROL AND BENCHMARKS:

BASIS OF BEARING OBTAINED FROM GPS OBSERVATIONS
DATUM = NAD 83, IOWA SOUTH
BENCHMARK DATUM = CITY DATUM OR NAVD88, GEOID 12A)

POINT #9016
NORTHING = 281048.08
EASTING = 1214967.96
ELEVATION = 1045.27
DESCRIPTION: CUT "X" LOCATED DIRECTLY NORTH OF THE SECURITY BOOTH ON THE ENTRANCE DRIVEWAY IN THE CENTER OF THE PROPERTY

POINT #91010
NORTHING = 280940.12
EASTING = 1214976.02
ELEVATION = 1044.39
DESCRIPTION: CUT "X" LOCATED DIRECTLY SOUTH OF THE SECURITY GATE NEXT TO THE LIFT STATION BY THE ENTRANCE DRIVEWAY IN THE CENTER OF THE PROPERTY

LEGEND:

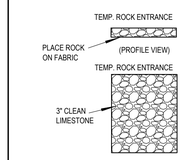
- SF SF SF — SILT FENCE (TYP)
- 120 — EXISTING CONTOUR
- 120 — PROPOSED CONTOUR
- STABILIZED ENTRANCE AT LEAST 50' LONG-12" DEEP CLASS "A" ROAD STONE ON GEOTEXTILE

GRADING LEGEND:

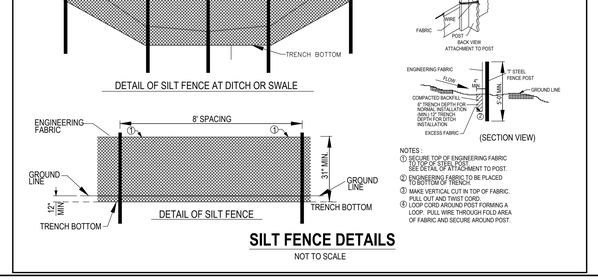
EXISTING CONTOUR	150
PROPOSED CONTOUR	150
FINISHED GROUND ELEVATION	150.50
TOP OF CURB ELEVATION	150.50T/C
GUTTER ELEVATION	150.50G

DISTURBED AREA = 1.6 ACRES±

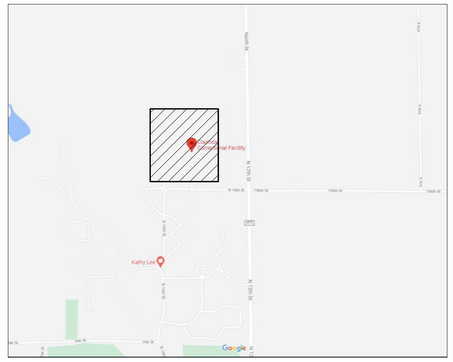
STABILIZED ENTRANCE SHALL BE AT LEAST 50' LONG AND EXTEND TO THE PUBLIC ROADWAY.



SITE ENTRANCE DETAIL
NOT TO SCALE



SILT FENCE DETAILS
NOT TO SCALE



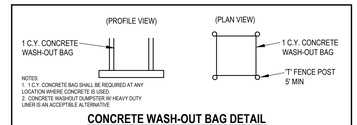
VICINITY MAP
NOT TO SCALE

EROSION CONTROL NOTES:

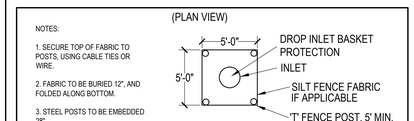
1. SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN NARRATIVE FOR ALL EROSION CONTROL MEASURES. ADDITIONAL DETAILS AND NOTE. ADDITIONAL NOTES AND MEASURES IN NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE ORIGINAL BID.
2. SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH SAID PERMIT NO. 2.
3. INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO CONSTRUCTION.
4. INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY AFTER STORM SEWER CONSTRUCTION.
5. INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER PAVING IS COMPLETED AROUND INTAKE.
6. OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR SILT FENCE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL PERMIT NO. 2 DURING ALL CONCRETE WORK.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REVISING AND/OR INSTALLING ADDITIONAL EROSION CONTROL MEASURES/SEEDING AS NEEDED TO ACCOMMODATE THE CONSTRUCTION PHASING AND SWPPP INSPECTOR REQUIREMENTS. SUCH CHANGES SHALL BE INCIDENTAL TO THE PROJECT. ALL CHANGES SHALL BE DOCUMENTED AND RECORDED.
11. THIS PROJECT INCLUDES SAWCUTTING OR CONCRETE GRINDING SO PROTECTION OF STORM SEWERS AND DRAINAGE WAYS WILL NEED TO BE PROVIDED FROM SLURRY FROM THE CONCRETE OPERATIONS TO DISCHARGE OFFSITE. SEE SWPPP SHEET AND NARRATIVE FOR ADDITIONAL DETAILS.
12. CONTRACTOR SHALL PROVIDE APPROPRIATE CONTROLS TO PREVENT DISCHARGES FROM ANY AND ALL DEWATERING ACTIVITIES.
13. SEE LANDSCAPE PLAN FOR FINAL STABILIZATION INCLUDING SEEDING AND SODDING AREAS.
14. PER NPDES GENERAL PERMIT NO. 2, IF CONSTRUCTION ACTIVITY IS NOT PLANNED FOR AT LEAST 14 DAYS, ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY BY TEMPORARY EROSION CONTROL MEASURES.
15. THE FOLLOWING DISCHARGES ARE PROHIBITED: WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OIL, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS, FUEL, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE, AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
16. CONTRACTOR TO INSTALL "TURF REINFORCED MATTING" TRM ON ALL EMBANKMENTS AND DRAINAGE/DETENTION AREAS.
17. ANY ADDITIONAL TRM THAT IS NEEDED TO STABILIZE AREAS THAT ARE IDENTIFIED BY THE OWNER,ENGINEER OR SWPPP INSPECTOR DURING CONSTRUCTION AND SEEDING SHALL BE CONSIDERED INCIDENTAL.
18. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND PHASING EROSION CONTROLS AND SILT FENCE, PER SWPPP INSPECTORS RECOMMENDATIONS, TO MAINTAIN EROSION PROTECTION AND ACCOMMODATE CONSTRUCTION ACTIVITIES AND PHASING. ANY ADDITIONAL EROSION CONTROLS OR ADJUSTMENTS SHALL BE INCIDENTAL.
19. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY SILTING, REELING OR SCOURING TO DESIGN GRADE BEFORE CLOSE OF PROJECT PER SWPPP INSPECTOR AND OWNER RECOMMENDATIONS.
20. CONTRACTOR TO PROTECT PROPOSED PONDS DURING CONSTRUCTION FROM EROSION AND SILTING. ANY CORRECTIVE WORK TO RESTORE POND BOTTOMS SHALL BE INCIDENTAL.

EROSION CONTROL REMOVAL NOTES:

1. AFTER FINAL STABILIZATION HAS OCCURED, AS DEFINED IN NPDES GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO: SILT FENCE, INLET PROTECTION, AND TEMPORARY STANDPIPES.



CONCRETE WASH-OUT BAG DETAIL
NOT TO SCALE



INLET PROTECTION DETAIL
NOT TO SCALE

LEGEND:

- 120 — EXISTING CONTOUR
- 120 — PROPOSED CONTOUR
- SF — SILT FENCE
- SAN — SANITARY SEWER
- ST — STORM SEWER
- W — WATER LINE
- G — GAS LINE
- U/E — UNDERGROUND ELECTRIC
- O/E — OVERHEAD ELECTRIC
- TELE — TELEPHONE LINE
- F/O — FIBER OPTIC
- CATV — CABLE TV
- STORM MANHOLE
- CURB INTAKE
- SURFACE INTAKE
- FLARED END SECTION
- SANITARY MANHOLE
- CLEANOUT
- FIRE HYDRANT
- SPRINKLER
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- WELL
- WATER VALVE
- WATER SHUT OFF
- YARD HYDRANT
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC RISER
- ELECTRIC VAULT
- POWER POLE
- TRANSFORMER POLE
- LIGHT POLE
- ELECTRIC JUNCTION BOX
- ELECTRIC PANEL
- TRANSFORMER
- GROUND LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- GAS METER
- GAS VALVE
- AIR CONDITIONING UNIT
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- FIBER OPTIC RISER
- FIBER OPTIC FAULT
- CABLE TV RISER
- SIGN

GRAPHIC SCALE
40 0 20 40 80

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1-800-292-8989
www.iowaonecall.com

UTILITY NOTE:
THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS AND ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS OF ALL UTILITIES MUST BE ASCERTAINED IN THE FIELD. IT SHALL BE THE DUTY OF THE CONTRACTOR TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.

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WALKEE, IOWA 50263
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kpff

IMEG

Bishop Engineering
3501 104th Street
Des Moines, Iowa 50322-3825
Phone: (515)276-4467 Fax: (515)276-4527

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA - DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONS FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	SVS
DRAWN:	LCR
REVIEWED:	SVS

SHEET TITLE:
SWPPP

SHEET NUMBER:
C7.1

PROJECT NO.: 240202.00
RFB922300-02

2/5/2024 4:21:22 PM L:\LAND PROJECTS 2021\210558 CLARINDA CORRECTIONAL KITCHEN & LAUNDRY ADDITION\DWG\C7 SWPPP.DWG

DESIGN CRITERIA

D1) Codes:

International Building Code, 2015
American Concrete Institute 318-14
American Institute of Steel Construction
  Specification for Structural Steel Buildings 360-10
American Iron and Steel Institute
  North American Specification for the Design of Cold-
  Formed Steel Structural members AISI S100-12
American Society of Civil Engineers / Structural Engineering
  Institute ASCE/SEI 7-10
Building Code Requirements for Masonry Structures
  TMS 402-13/ACI 530-13/ASCE 5-13

D2) Lateral loads:

Wind: Ultimate design wind speed:	120mph
Nominal design wind speed:	93 mph
Risk category:	III
Wind exposure:	C
Interior pressure coefficient (+/-):	GCpi=0.18
Wall component wind pressure:	ASCE/SEI 7-10
Seismic: Design Category:	B
Risk category:	III
Importance factor:	Ie=1.25
Mapped spectral response acceleration:	
	Ss=0.087
	S1=0.049
Site class:	D
Spectral response coefficients:	Sds=0.093
	Sd1=0.078

Basic seismic-force-resisting system:
Ordinary reinforced masonry shear walls
Light-frame (cold-formed steel) walls sheathed with wood structural panels rated for shear resistance or steel sheets
Ordinary precast shear walls

Design base shear:	V=100 kips
Response coefficient:	Cs=0.058
Response modification factors:	R=2
Analysis procedure used:	Equivalent Lateral Force Analysis

D3) Live loads:

Snow load:	
Ground snow load:	20 psf
Flat-roof snow load (minimum):	Pf=22 psf
Snow exposure factor:	Ce=1.0
Thermal factor:	Ct=1.3
Snow importance factor:	Is=1.10
Snow drift load:	ASCE/SEI 7-10
Roof load (minimum):	20 psf
Mechanical:	150 psf
Stairs:	100 psf

D4) Dead loads:

Floor superimposed dead load:	10 psf
Roof dead load:	22 psf

D5) Net allowable soil bearing pressures: (A soils report is on file with the architect for additional information.)

Column footings:	2000 psf
Wall footings:	2000 psf

D6) Concrete strengths - Minimum 28 day f 'c
(145 pcf density unless noted otherwise)

Typical-unless noted otherwise:	4000 psi
Concrete Piers:	4000 psi
Fill on composite mtl. decking:	4000 psi
Footings:	3000 psi
Foundation walls:	4500 psi
Slabs on grade Interior:	4000 psi
Slabs on grade Exterior:	5000 psi
Precast concrete:	5000 psf

D7) Reinforcing steel shall be high strength new billet steel conforming to the following:

Deformed bars:	ASTM A615, Gr. 60 (unless otherwise noted)
Weldable reinforcing:	ASTM A706, Gr. 60
Plain bars:	ASTM A1064
Welded wire reinforcing:	ASTM A1064
Epoxy coating:	ASTM A775
Masonry joint reinforcing:	ASTM A951

D8) Precast and prestressed members shall be fabricated from the following materials:

Concrete:	5000 psi at 28 days
Reinforcing Bars:	ASTM A615 Gr. 60
	ASTM A706 Gr. 60 (weldable reinforcing)
Welded Wire Fabric:	ASTM A1064
Pre-stressing Strands:	ASTM A416 (minimum ultimate tensile strength 270ksi)
Grout:	6000 psi (non-shrink, non-ferrous)

D9) Masonry:

Hollow Concrete Block Units (CMU): grade N, f'm=1500psi

Mortar: Type S for reinforced structural masonry, exterior masonry, and masonry below grade. Mortar shall conform to ASTM C270 and shall conform to the proportion specifications or the property specifications.
Grout: Conform to ASTM C476

D10) Structural steel:

W- shapes:	A992
Other rolled shapes and connection material:	ASTM A36
Stiffener plates:	ASTM A36
Anchor bolts:	ASTM F1554, Gr.36
High Strength bolts:	A325/A490 (3/4" diameter U.N.O.)
Structural tubes:	ASTM A500, Gr. B ASTM C1007

SPECIAL INSPECTION REQUIREMENTS

SR1) The following types of work require special inspection based on section 1705 of the 2015 International Building Code. See Specification section 014500 for specific requirements. The owner will employ special inspectors who shall provide special inspections during:

a) Earth Work
b) Cast-in-place Concrete.
c) Plant Precast Concrete.
d) Structural Masonry.
e) Structural Steel.
f) Cold-Formed Steel Deck.
g) Open-Web Steel Joists and Girders.
h) Fire-Resistance and Smoke Control.

GENERAL NOTES

G1) Establish and verify all openings and inserts for mechanical, electrical, and plumbing with appropriate trade contractors. Opening sizes and locations shown for ducts, pipes, inserts, etc., when shown are for general information only and shall be verified prior to forming.

G2) Field verify all existing dimensions, member sizes, and elevations shown on the drawings. All discrepancies shall be immediately brought to the attention of the architect.

G3) Before submitting a proposal for this work, each bidder shall visit the premises and acquaint themselves fully with the existing conditions, temporary construction required, quantities and types of equipment, etc. The bid shall include all sums required to do the work within the existing conditions. Disruption of normal activities in the work area must be kept to a minimum.

G4) Shop drawings prepared by suppliers, subcontractors, etc. shall be reviewed and coordinated prior to submitting to the architect. Each shop drawing submitted shall be stamped, initialed, and dated as being reviewed by the construction manager/contractor.

G5) Shop drawings prepared by the subcontractors, suppliers, etc. shall be reviewed by the architect for conformance with design concept only. Review by the architect shall not begin without the prior coordination and review by the construction manager/contractor. Work shall not begin without the review by the architect.

G6) Details and notes on the structural drawings are intended to be typical for similar situations elsewhere. Verify all dimensions with the architectural drawings. Do not scale drawings; use dimensions provided only.

G7) Options are for the contractor's convenience. The contractor shall be responsible for all changes necessary if they choose an option and shall coordinate all details. The cost of additional design work necessitated by selection of an option shall be borne by the contractor.

G8) The cost of additional design work due to errors or omissions in construction shall be borne by the contractor.

G9) Any engineering design provided by others and submitted for review or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Iowa.

G10) All elevations given thus (+10'-0") are to top of footing, joist bearing, top of steel, top of slab, etc. with reference to the finished first floor slab = (0'-0").

CONSTRUCTION PROCEDURES AND SAFETY REQUIREMENTS

P1) Comply with all applicable city, county, state, and federal laws, including the Occupational Safety and Health Act (OSHA) and regulations adopted pursuant thereto.

P2) The contract structural drawings and specifications represent the finished structure. Unless otherwise indicated, they do not indicate the means or methods of construction.

P3) Provide all measures necessary to protect the workers and other persons during construction. Provide all necessary measures to avoid excessive stresses and to hold the structural elements in place during construction. Such measures shall include, but not be limited to, bracing, shoring for construction equipment, shoring for earth banks forms, scaffolding, planking, safety nets, support and bracing for cranes and hoists, guying, etc.

P4) Engage properly qualified persons to determine where and how temporary precautionary measures shall be used. Observation visits to the site by structural engineer's field representatives shall not include the items noted above.

P5) Supervise and direct the work so as to maintain sole responsibility for all construction means, methods, techniques, sequences, and procedures. Retain the services of a professional structural engineer licensed in the state of Iowa to design and supervise any scaffolding for workmen, and all shoring of forms and elements of the construction.

P6) Any engineering design provided by others and submitted for review and/or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Iowa.

FOOTINGS AND FOUNDATIONS

F1) All footings shall be placed onto firm undisturbed soil or controlled compacted fill as directed by the project soils consultant report recommendations. Footing elevations shown designate a minimum depth of footings where a safe soil bearing pressure is expected (see Design Criteria). Footings shall be lowered and piers and/or walls extended as required to reach the design bearing pressure.

F2) General machine excavation for footings done more than 12 hours before the footing is placed shall stop not less than 4" above the elevation of bottoms of footings. Final excavation to the required undisturbed soil elevation shall be done not more than 12 hours before the footing is placed. The excavation shall be crumbed clean.

F3) All foundation excavations shall be inspected and certified by a qualified independent soils testing firm.

F4) No footing shall be placed onto or against sub-grades containing free water, frost, or ice.

F5) Unless noted otherwise, all footings shall be centered under walls, piers, or columns.

F6) Where required, all necessary changes in elevation of wall footings shall be made in steps of 1 vertical to 2 horizontal. Location of steps shall be coordinated with the wall forming system and at least 2'-0" apart.

F7) Longitudinal reinforcing in wall footings shall be continuous at step downs. Slope or step bottom bars in wall to follow steps in footing unless otherwise shown. See typical step-down footing detail.

F8) Lap wall footing reinforcing 24 bar diameters or a minimum of 1'-6" at splices, unless otherwise noted.

F9) Provide corner bars in footings the same size and number as the continuous reinforcing, lapped 2'-0" with main steel.

F10) Reinforcing in wall footings between columns shall extend into column footings a minimum of 2'-0".

F11) Reinforcing in footings shall be accurately placed, spaced, supported, and secured before placing concrete (do not "float" reinforcing into footings).

F12) Pipes extending under footings shall be placed before footing is placed and the void produced in laying the pipe shall be filled with concrete.

F13) Cross reference architectural and structural drawings to assure proper dimensions and placement of all anchor bolts, inserts, notches, and edges in grade beams, foundation walls, and piers.

F14) Backfill placed against walls and grade beams shall be done evenly on both sides.

F15) Backfill placed directly adjacent to basement and retaining walls shall be compacted clean free draining granular material. For a minimum 2'-6" from face of wall. Provide a 1'-6" deep cap of compacted approved impervious cohesive material at top of granular backfill. All backfill shall be compacted using hand operated equipment; no heavy equipment shall be allowed within 5'-0" of any wall.

F16) All unacceptable fill and top soil shall be removed from below all proposed slabs-on-grade and the exposed natural soil shall be proof rolled and the compaction verified by a qualified independent soils testing firm prior to placing fill. Areas exhibiting weakness shall be removed and replaced by acceptable compacted fill.

F17) A minimum 4" of clean compacted granular fill shall be placed under all slabs-on-grade. All fill required to attain final sub-grade for slabs and walls shall be an acceptable material placed and compacted as directed by the project soils consultant report recommendations.

F18) A vapor barrier with minimum 10 mil thickness shall be placed under all interior slab-on-grade or below granular fill; see architectural drawings. Lap and seal all edges.

CONCRETE AND REINFORCING

C1) All concrete work shall conform to the latest edition of the American Concrete Institute Publications: ACI 301, ACI 304, ACI 311, ACI 315, ACI 318, and ACI 347 unless otherwise noted on the drawings.

C2) Concrete shall consist of the following:

ASTM C150Type I Portland cement
ASTM C33Normal weight aggregates
(Limestone aggregate at exposed locations)
Potable water
Chlorides content shall be limited by ACI requirements for type of exposure. Concrete which will be subjected to repeated cycles of freeze-thaw during the life of the structure shall have a water-cement ratio not exceeding 0.45 and shall contain entrained air. See ACI 301 for additional requirements.

C3) Unless otherwise noted, principal reinforcement shall have the following protection:

Surfaces cast against & permanently exposed to earth:	3 inches
Formed surfaces exposed to earth or water:	2 inches
Slabs:	1 inch (top)
	3/4 inch (bot.)
Beams, columns:	2 inches
Walls (interior surface only):	1 inch
Ties/Stirrups:	1 1/2 inches

C4) All slabs-on-grade, pads, fills, and toppings shall have a minimum of 6 x 6 - W1.4 x W1.4 WWR, unless noted otherwise, placed 1" from top of slab. Lap WWR minimum 2 panels at edges and ends and provide additional reinforcing where shown on the drawings.

C5) All slabs-on-grade shall be placed on compacted granular fill. Pitch slabs to drains and provide depressions, where shown on the structural or architectural drawings, without reducing the thickness of slab indicated. For slabs on grade depressions greater than 1", see details for additional reinforcing.

C6) Provide slab-on-grade construction joints around each column, against grade beams, interior walls, and between columns and walls. Provide slab joints to form areas not to exceed 10' in length in each direction. See typical details. Submit detailed drawings showing locations of all construction joints.

C7) Construction joints in floors shall be located within the middle third of spans of slabs, beams, and girders. Joints in girders shall be offset a minimum distance of two times the width of intersecting beams.

C8) Provide vertical construction joints in exposed concrete walls at a maximum uniform spacing not to exceed 30'-0". Coordinate joint locations with architectural drawings.

C9) Provide adequate bolsters, hi-chairs, support bars, etc., to maintain specified clearances for the entire length of all reinforcing bars. Provide accessories which are plastic tipped or galvanized with turned up ends for reinforcement at all faces of exposed concrete, interior or exterior.

C10) Unless otherwise noted, no concrete shall be placed without a minimum reinforcing of 0.002 times the concrete cross sectional area in each direction.

C11) Continuous reinforcing shall be lapped as follows unless otherwise noted:

Top bars: at midspan, Class B
Bottom bars: directly over support, Class B
All laps shown on the drawings and not dimensioned shall be 24 bar diameters. Additional laps required for construction shall be Class B.

C12) Cross reference structural and architectural drawings for inserts, anchor bolts, notches, ledges, lugs, etc. required on beams. Width and depth of beams given are overall out-to-out dimensions of concrete.

C13) All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.

C14) No aluminum of any type shall be allowed in the concrete work unless coated to prevent aluminum-concrete reaction.

C15) Maximum O.D. of embedded conduit shall be no larger than 1/3 of the slab thickness. No conduit shall be placed above the welded wire fabric in slabs- on-grade or concrete fill placed onto composite metal deck.

C16) Mechanically vibrate concrete except that slabs-on-grade need only be vibrated around under floor ducts and other embedded items. Vibrate tops of columns and drilled piers.

C17) Do not cast unexposed walls or grade beams in lengths over 60'-0". Wait 48 hours between adjacent pours.

C18) All construction joints between adjacent concrete pours shall be keyed. Joints must be kept free of dirt, debris, form oils, etc. to assure proper bond with adjacent pour or masonry construction.

C19) Do not place pipes, ducts, reglets or chases in structural concrete or composite floor systems without approval of the structural engineer through the architect.

C20) Floor tolerances:
Surface tolerance: Class B. (See ACI 301)
Thickness: Plus 1", minus 1/2" slab on grade. Plus 3/8", minus 1/4" structural and composite slabs. Replace any slab with a thickness deviation as directed by the architect.

C21) Maximum free drop of any concrete = 6'-0".

C22) All bar detailing and accessories to be furnished shall conform to typical details and standards in the latest ACI Standard 315 Detailing Manual, except as otherwise shown, noted, or specified.

PRECAST CONCRETE

PC1) Design, fabricate, transport, and erect prestressed and precast concrete members in accordance with the latest ACI and PCI Building Codes, Handbooks, and Manuals.

PC2) All members shall be designed for the span and loading indicated (in addition to the member's self weight) by a registered professional structural engineer in the state of Iowa. Details showing reinforcing on the contract drawings are for in-place conditions; the precast contractor is responsible for pick-up point locations and inserts, special pick-up reinforcing and strong backs, and all pick-up and placing operations. All design calculations shall be submitted to the structural engineer through the architect for review and record prior to start of fabrication.

PC3) Submit detailed shop drawings showing all structural elements, details, connections, and structural topping, if required, to the structural engineer through the architect for review prior to start of fabrication.

PC4) Provide sufficient strands and reinforcing cover for strength, serviceability, and for a U.L. 2 hour fire rating. Provide U.L. label on each member and submit documentation to the engineer through the architect for record.

PC5) Reinforce ends of members to prevent cracking due to volume changes.

PC6) There shall be no field cutting of precast elements without the approval of the structural engineer in writing.

MASONRY

M1) Masonry construction procedures shall comply with the requirements of IBC 2015-section 2104 and TMS 602. Hot and cold weather construction shall comply with IBC 2015-section 2104

M2) Lay units in running bond. Corners shall have a standard bond by overlapping units.

M3) Mechanically vibrate immediately after placing and again about 5 minutes later.

M4) Maximum grout lift without cleanouts 4'-0" for block walls and 8 in. for grout between wythes in multiple wythe walls.

M5) Tie vertical reinforcing at each end and at 8'-0" maximum vertical spacing.

M6) Locate control joints in concrete masonry at 20'-0" maximum spacing, unless specified otherwise, but not less than 2'-0" from a bearing plate or jamb of an opening. Provide grouted keyway joint or pre-manufactured joint assembly at all control joint locations in CMU.

M7) In 6", 8", 10", and 12" masonry walls, provide vertical reinforcing in the center of grout, at center of the wall, continuous full height of the wall as follows, unless noted otherwise:

a) 1 #5 at corners, intersections, wall ends and jambs, and each side of expansion and control joints.
b) 1 #5 @ 48" O.C. typical.

M8) Grout all reinforced cells solid full height. Grout all cells solid below grade.

M9) Lap splices in masonry reinforcing shall be 50 bar diameters.

M10) Provide 2 #5 in 8" minimum depth continuous grouted bond beams at all structural floor, roof lines, and the tops of all parapets. See details for other locations.

M11) Place bond beam and lintel reinforcing continuously through expansion and control joints, wrapping bars with 1/8" thick bond breaking tape 2'-0" both sides of joint. Do not splice bond beam reinforcing within 6'-0" of an expansion or control joint.

M12) Provide continuous wire lath grout barriers below bond beams.

M13) Provide ladder type #9 ga. horizontal joint reinforcing at 16" vertical spacing in walls. Lap reinforcing a minimum of 6". Place masonry joint reinforcement in first and second horizontal joints above and below openings in CMU, extend additional layers 16" minimum each side of opening. Terminate joint reinforcing at the control joint. Provide continuity at corners and wall intersections by using prefabricated "L" and "T" sections.

M14) Provide ladder type #9 ga. horizontal joint reinforcing at 8" vertical spacing in stack bond masonry walls.

M15) Provide 3/16" wire tie diameter adjustable veneer wall tie with hook and eye for CMU wall back up or vertical adjustable bracket at metal stud backup. Wall ties shall be spaced so as to support not more than 2 square feet of wall area but not more than 24" on center horizontally. All wall tie accessories shall be galvanized.

M16) Shop drawings shall show location of reinforcement, openings, and control joints, in plan and in elevation.

M17) Do not place pipes, ducts, reglets, or chases in concrete masonry without approval of the structural engineer through the architect.

LINTELS

L1) Provide lintels over all openings and recesses in masonry construction.

L2) All lintels shall have a minimum of 8" end bearing.

L3) Precast or reinforced masonry lintels shall be made of the same materials as the surrounding walls. Use 1-#5 (minimum) reinforcing bar top and bottom for each 4" nominal width of masonry.

L4) Reinforced masonry lintels, with spans exceeding 4'-0", shall be shored until the masonry wall above the lintel has cured.

L5) Fill load bearing masonry cores with concrete under all lintel bearing ends. Fill to extend from edge of bearing plate or concrete beam at a 45 degree angle to a joint block courses below.

L6) For all openings not otherwise detailed or scheduled, minimum lintels shall be for each 4" of masonry width:

Span	Lintel
0 to 2'-0"	5/16" plate (1/2" less than wall width)
2'-0" to 4'-0"	angle 3.1/2x3.1/2x1/4
4'-0" to 6'-0"	angle 4x3.1/2x1/4 (LLV)
6'-0" to 8'-0"	angle 5x3.1/2x1/4 (LLV)

All angles that are back-to-back shall be welded top and bottom 3" @ 12" minimum.

L7) For all openings in 6" (nominal) masonry walls:

Span	Lintel
0 to 2'-0"	5/16" plate (1/2" less than wall width)
2'-0" to 4'-0"	WT 4x9
4'-0" to 6'-0"	WT 4x9
6'-0" to 8'-0"	angle 5x3x1/4 (LLV) (with bottom plate-5/16"x5")

STRUCTURAL STEEL

S1) Structural steel details, fabrication, and erection shall conform to AISC 360-10 "Specification for Structural Steel Buildings" and AISC 303-10 "Code of Standard Practice for Steel Buildings and Bridges" unless otherwise shown or specified.

S2) High strength bolts shall be installed in accordance with RCSC "Specifications for Structural Joints Using High-Strength Bolts" latest edition. Bolts are designed as bearing-type connections, unless noted otherwise.

S3) Use tension control bolts with all high strength bolts requiring fully tightened conditions.

S4) All welding shall be done by AWS certified welders with experience and certification in the types of welding indicated. Certificates shall not have lapsed due to disuse for 6 months.

S5) All welds to be E70XX electrodes unless noted otherwise.

S6) Field connections shall be welded or bolted. Shop connections shall be welded unless otherwise indicated or approved. Welds indicated with a shop weld symbol may be made in the field with the approval of the structural engineer.

S7) Unless noted otherwise, all welds shall be continuous 3/16" throat. All full and/or partial penetration welds shall be fully detailed on the shop drawing.

S8) Fabricator shall select AISC simple shear connections for steel beams capable of carrying the reaction force when indicated or 75% of the total uniform load for the given size, span, and grade of beam, as tabulated in the AISC tables for allowable loads.

S9) Simple shear connections shall be standard double angle or single shear plates, unless noted otherwise. Select connections from the AISC, Simple Shear Connections Design Aid, latest edition wherever possible. All bolted connections shall have minimum 2 bolts, unless noted otherwise.

S10) Shop paint structural steel with a standard primer.

S11) Beams noted thus W_x_ <_> shall have 3/4" diameter shear stud connections developing capacity as listed in table I4.1 (ASD). See stud placement diagram.

S12) All steel beams bearing on masonry shall have a minimum of 8 in. of bearing. Provide 3/8" thick bearing plates 1" less in width than the nominal CMU thickness w/ 2 headed studs. Weld beam to bearing plate.

S13) Grout under beam bearing plates and column base plates.

S14) Embedment of anchors in masonry, grout, or concrete shall be as follows:
Headed anchor bolts: 9" with the head at the embedded end.
Headed shear studs: 6" with the head at the embedded end, unless noted otherwise.

S15) Cuts, holes, openings, etc., required in structural steel members for the work of other trades shall be shown on the shop drawings. Burning of holes and cuts in the field shall not be allowed, except by written authorization from the structural engineer.

S16) Furnish and install miscellaneous steel (curbs, hangers, expansion joint angles, struts, etc.) as called for or as necessary per architectural and mechanical/electrical drawings.

S17) See architectural drawings for fireproofing of structural steel. Do not prime members which are to receive spray-on fireproofing unless directed by the architect.

S18) See specifications for minimum testing requirements for materials, connections, welding, and erection.

OPEN WEB STEEL JOISTS

SJ1) Design, fabrication, and erection shall be in accordance with the latest edition of the Steel Joist Institute Specification.

SJ2) Provide bridging per SJI specifications. Provide uplift bridging at bottom chord for loading noted on the drawings. Where bridging interferes with mechanical or other trades, Contractor shall coordinate removal / replacement with joist manufacturer.

SJ3) Connections required by SJI specifications, but not called out, shall be designed and furnished by the joist fabricator. All joist headers and accessories shall be furnished by the joist fabricator.

SJ4) Use care to avoid damage to joist chords in all field welding.

SJ5) Steel joists shall be top chord bearing unless otherwise noted on the plans.

SJ6) All joists at or nearest to column lines shall be bolted with long slotted holes in the bearing shoe. Where joists align with columns, joist bottom chord shall extend to a column connection plate without welding, unless noted otherwise.

SJ7) All joists bearing on steel shall be welded to supporting steel unless noted otherwise.

SJ8) Provide bottom chord ceiling support extensions where shown on the structural and/or architectural drawings.

SJ9) Provide anchors at each end of each row of bridging, top and bottom chords, except at expansion joints, according to manufacturer's recommendations.

SJ10) No concentrated load or connection greater than 100 lbs shall be applied to the joists further than 4" from any panel point unless an additional web member is provided from the load point to a panel point at the opposite chord. See appropriate details. Additional web member shall be L2x2x3/16 unless otherwise shown on the drawings.

SJ11) Any single panel point of the lower chord of exposed roof joists and truss girders shall be capable of carrying safely a suspended concentrated load of not less than 200 lbs in addition to dead load.

SJ12) Shop paint steel joists with a standard gray primer, unless joists are to receive fireproofing.

SJ13) All mechanical ducts and lightweight mechanical units to be hung from the open web joists shall be supported from hangers and framing supplied by the trade contractor. Connect hangers at joist panel points only.

STEEL DECK

SD1) Material, detailing, design, manufacture, and erection of metal decks shall be in accordance with the Steel Deck Institute (SDI) Specification.

SD2) Metal deck shall be capable of providing a diaphragm shear capacity as noted below in accordance with the current ICBO Research Recommendations for simple span conditions:

Roof Deck: 620 plf
Composite Deck: 1500 plf

Minimum factor of safety shall be 2.0.

SD3) In no case shall welding 1 1/2 inch roof deck to steel members be less than 5/8" diameter puddle welds at 6" O.C. (7 per 36" sheet) at all supports and edges. Provide 16 gage welding washers when recommended by the manufacturer for the gage of metal deck specified below. Side laps shall be fastened with #12 tek screws at 12" OC. Opening edges shall receive the same welding as required at deck ends. All welding by certified welders experienced in light gage metal deck work.

SD4) In no case shall welding composite floor deck to steel members be less than 5/8" diameter puddle welds at 12" O.C. (4 per 36" sheet) at all supports and edges. Provide 16 gage welding washers when recommended by the manufacturer for the gage of metal deck specified below. Side laps shall be fastened with #10 tek screws or button punched, minimum 3 locations each span equally spaced. Opening edges shall receive the same welding as required at deck ends. All welding by certified welders experienced in light gage metal deck work.

SD5) The deck manufacturer shall furnish all closure plates, pour stops, ridge and valley plates, sump pans and drain plates, welding washers, and other accessories required to provide a finished surface for insulation and roofing or concrete slabs.

SD6) Install deck with a minimum 2" end lap centered over supports.

SD7) All composite metal deck shall be galvanized. All metal roof deck shall be painted. All galvanizing shall be ASTM A653 G 60.

SD8) Corrugated form deck and composite metal deck gages shown on the drawings and noted below are intended to support the weight of the wet concrete plus a construction live load of 20 psf without intermediate shoring based on a three span continuous condition. Deck manufacturer shall evaluate single span conditions for deflection which shall not exceed 1/180th of the clear span or 1/2" under the uniformly distributed concrete dead load and note areas which will require shoring to control deflection and/or meet allowable stresses.

SD9) Composite deck provided shall meet all U.L. fire rating criteria required by the project documents. See architectural drawings for fire rating criteria.

SD10) Where composite beams are noted, coordinate size and spacing of all shear connectors coordinated with rib spacing of deck. Submit calculations necessary to verify the horizontal shear capacity of shear studs in each pattern/rib condition. Include beam profiles illustrating each specific beam and girder condition.

SD11) No load exceeding 50 lbs. shall be permitted to be hung from any composite decking. No loads shall be permitted to be hung from metal roof decking or form deck (corrugated or ribbed). All hangers for ductwork, piping, etc. shall be hung directly from the structural steel or supplementary members acceptable to the architect. All hanging loads, locations, and details shall be submitted to the structural engineer through the architect.

SD12) Roof deck shall have the following minimum properties:

Gage 22 ga.
Depth 1.5 inches
Type B
Ip 0.155 inches fourth/foot width
Sp 0.186 inches cubed/foot width
In 0.183 inches fourth/foot width
Sn 0.192 inches cubed/foot width

SD13) Composite metal deck shall have the following minimum properties:

Gage 20 ga.
Depth 1.5 inches
I_p 0.186 inches fourth/foot width
Sn 0.231 inches cubed/foot width
Sp 0.224 inches cubed/foot width
Continuous three spans
Provide composite deck with deformations to allow structural bond with the concrete slab.

SD14) Submit shop drawings showing erection procedures, welding procedures, the ICBO report number, vertical load and diaphragm shear capacity furnished, deck shoring requirements, U.L. fire rating number, and composite beam and girder stud profiles to the architect for review. Fabrication shall not begin without approved shop drawings.

SD15) Provide angle framing 3 1/2 x 3 1/2 x 1/4 on each side of all roof sump pans. See architectural drawings for number and locations.

KPFF ABBREVIATIONS

ADDED	ADDITIONAL	LT GA	LIGHT GAGE
ALT	ALTERNATE	LOC	LOCATION
ALUM	ALUMINUM	LDH	LONG DIM HORIZ
ANCH	ANCHOR	LDV	LONG DIM VERT
APPROX	APPROXIMATE	LLBB	LONG LEG BACK-TO-BACK
ARCH	ARCHITECTURAL	LLH	LONG LEG HORIZ
@	AT	LLV	LONG LEG VERT
BM	BEAM	LONGIT	LONGITUDINAL
BRG	BEARING	MFR	MANUFACTURER
BTWN	BETWEEN	MAS	MASONRY
BLKG	BLOCKING	MAT	MATERIAL
BD	BOARD	MAX	MAXIMUM
BOT	BOTTOM	MECH	MECHANICAL
BLDG	BUILDING	MTL	METAL
CIP	CAST-IN-PLACE	MIN	MINIMUM
CNTR	CENTER	MISC	MISCELLANEOUS
CL	CENTERLINE	NS	NEAR SIDE
CLR	CLEAR	NOM	NOMINAL
CFMF	COLD-FORMED METAL FRAMING	NIC	NOT IN CONTRACT
COL	COLUMN	NTS	NOT TO SCALE
COMP	COMPOSITE	# or NO	NUMBER
CONC	CONCRETE	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OPNG	OPENING
CONN	CONNECTION	OPP	OPPOSITE
CONST	CONSTRUCTION	OD	OUTSIDE DIA.
CONT	CONTINUOUS	OF	OUTSIDE FACE
CONTR	CONTRACTOR	PARL	PARALLEL
CW	CURTAIN WALL	d	PENNY
DEFL	DEFLECTION	PERP	PERPENDICULAR
°	DEGREE	PL	PLATE
DTL	DETAIL	PLYWD	PLYWOOD
DIAG	DIAGONAL	# OR LB	POUND
ø	DIAMETER	PSI	POUNDS PER SQ. INCH
DIM	DIMENSION	PSF	POUNDS PER SQ.FT.
DBL	DOUBLE	PDF	POWER DRIVEN FASTENER
DWG	DRAWING	PREFAB	PREFABRICATED
EA	EACH	PRELIM	PRELIMINARY
EF	EACH FACE	RAD or R	RADIUS
ELECT	ELECTRICAL	RXN	REACTION
EL	ELEVATION	REINF	REINFORCING
ELEV	ELEVATOR	REQD	REQUIRED
EMBED	EMBEDMENT	RTN	RETURN
EOR	ENGINEER OF RECORD	REV	REVISION
EQ	EQUAL	SCHED	SCHEDULE
ERECT	ERECTION	SECT	SECTION
(E) or EXISTG	EXISTING	SHTHG	SHEATHING
EXP	EXPANSION	SHT	SHEET
EXT	EXTERIOR	SLBB	SHORT LEG BACK-TO-BACK
FS	FAR SIDE	SSLT	SHORT SLOTTED HOLE
FV	FIELD VERIFY	SIM	SIMILAR
FIN	FINISH	SPA	SPACE
FLR	FLOOR	SPECS	SPECIFICATIONS
FT	FOOT	SQ	SQUARE
FTG	FOOTING	STD	STANDARD
FDN or FOUND	FOUNDATION	STL	STEEL
FRMG	FRAMING	STIFF	STIFFENER
GA	GAGE OR GAUGE	STRUCT	STRUCTURAL
GALV	GALVANIZED	TEMP	TEMPERATURE
GYP	GYPSUM	THRU	THROUGH
GYP BD	GYPSUM BOARD	T & G	TONGUE & GROVE
HD	HEADED	TRANS	TRANSVERSE
HT	HEIGHT	TYP	TYPICAL
HPC	HIGH-PERFORMANCE COATING	UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL	VIF	VERIFY IN FILED
IN	INCH	VERT	VERTICAL
ID	INSIDE DIAMETER	WWR	WELDED WIRE REINF
IF	INSIDE FACE	W/	WITH
INSUL	INSULATION	WD	WOOD
INT	INTERIOR	WP	WORKING POINT
JT	JOINT	X-BRACING	CROSS BRACING
JST	JOIST	X-STRONG	EXTRA STRONG
KO	KNOCK OUT	XX-STRONG	DOUBLE EXTRA STRONG
LAM	LAMINATED		

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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

SHEET TITLE:
STRUCTURAL NOTES

SHEET NUMBER:
S0.1

PROJECT NO.: 0240202.00
RFB922300-02

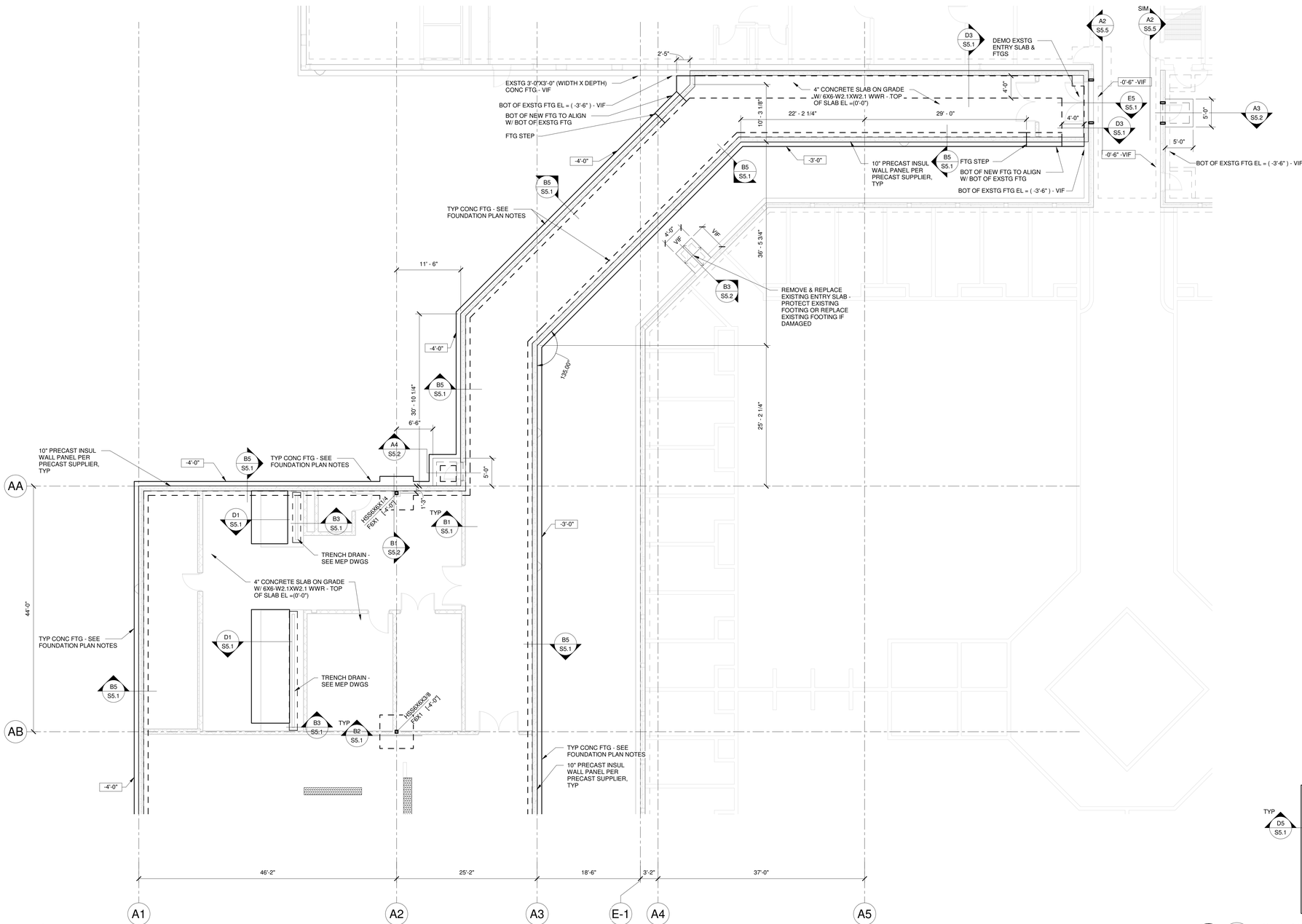
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FOUNDATION PLAN NOTES:

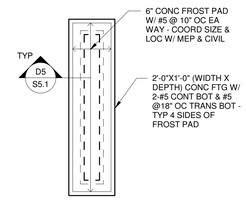
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION
- [ ] INDICATES TOP OF FOOTING ELEVATION AT CONTINUOUS FOOTINGS.
- [ ] INDICATES TOP OF FOOTING ELEVATION AT ISOLATED FOOTINGS.
- FOR TYPICAL CONCRETE SLAB JOINTS SEE A1/ S5.1
- FOR TYPICAL CONCRETE CAP SEE A2/ S5.1
- FOR TYPICAL WALL CORNER & INTERSECTION SEE A3/ S5.1
- FOR TYPICAL STEPPED FOOTING SEE A5/ S5.1
- FOR TYPICAL OPENINGS IN CONCRETE WALL SEE E1/ S5.1
- STRUCTURAL CMU WALLS ARE SHOWN PER THESE PLANS. FOR NON LOAD BRG CMU WALLS (SHOWN IN HALFTONE), SEE ARCH DWGS. ALL NON LOAD BRG CMU WALLS SHALL HAVE THICKENED SLABS, SEE B1/ S5.1
- ALL CONTINUOUS FOOTINGS SHALL BE 2'-6"X1'-0" (WIDTH X DEPTH) W/ 3-#5 CONT BOT & #5 @18" OC TRANS BOT UNO ON PLAN.
- FOR TYPICAL BELOW SLAB SUBGRADE PREP SEE A6/ S5.1
- IF UNSUITABLE BEARING SOILS ARE ENCOUNTERED AT THE BASE OF THE PLANNED FOOTING EXCAVATION, THEN THE FOOTING EXCAVATIONS SHALL BE OVER-EXCAVATED AND FILLED BELOW THE FOOTING - SEE C1/ S5.1 AND GEOTECHNICAL REPORT - SOIL BEARING SURFACE AND OVER-EXCAVATION AND FILL WORK SHALL BE TESTED BY A QUALIFIED INDEPENDENT SOILS TESTING FIRM
- FOR FOUNDATION PLAN AT GENERATOR SEE 2/ S1.1
- INDICATES 4" DEPRESSED SLAB FOR FLOOR TROUGH - SEE C5/ S5.1 SEE FOOD SERVICE DWGS FOR LOC.
- INDIATES 2 1/2" DEPRESSED SLAB - SEE E2/ S5.1. SEE FOOD SERVICE DWGS FOR LOC.
- FOR STAIR FRAMING INFORMATION SEE 1/ S2.1

ISOLATED FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F6X1	6'-0"X6'-0"X1'-0"	6-#5 BOT EA WAY
F9X1.5	9'-0"X9'-0"X1'-6"	12-#5 BOT EA WAY



1 FOUNDATION PLAN - AREA 'A'
1/8" = 1'-0"



2 FOUNDATION PLAN - GENERATOR FROST PAD
1/8" = 1'-0"

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2000 N 16TH ST, CLARINDA, IA 51632

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SHEET TITLE:

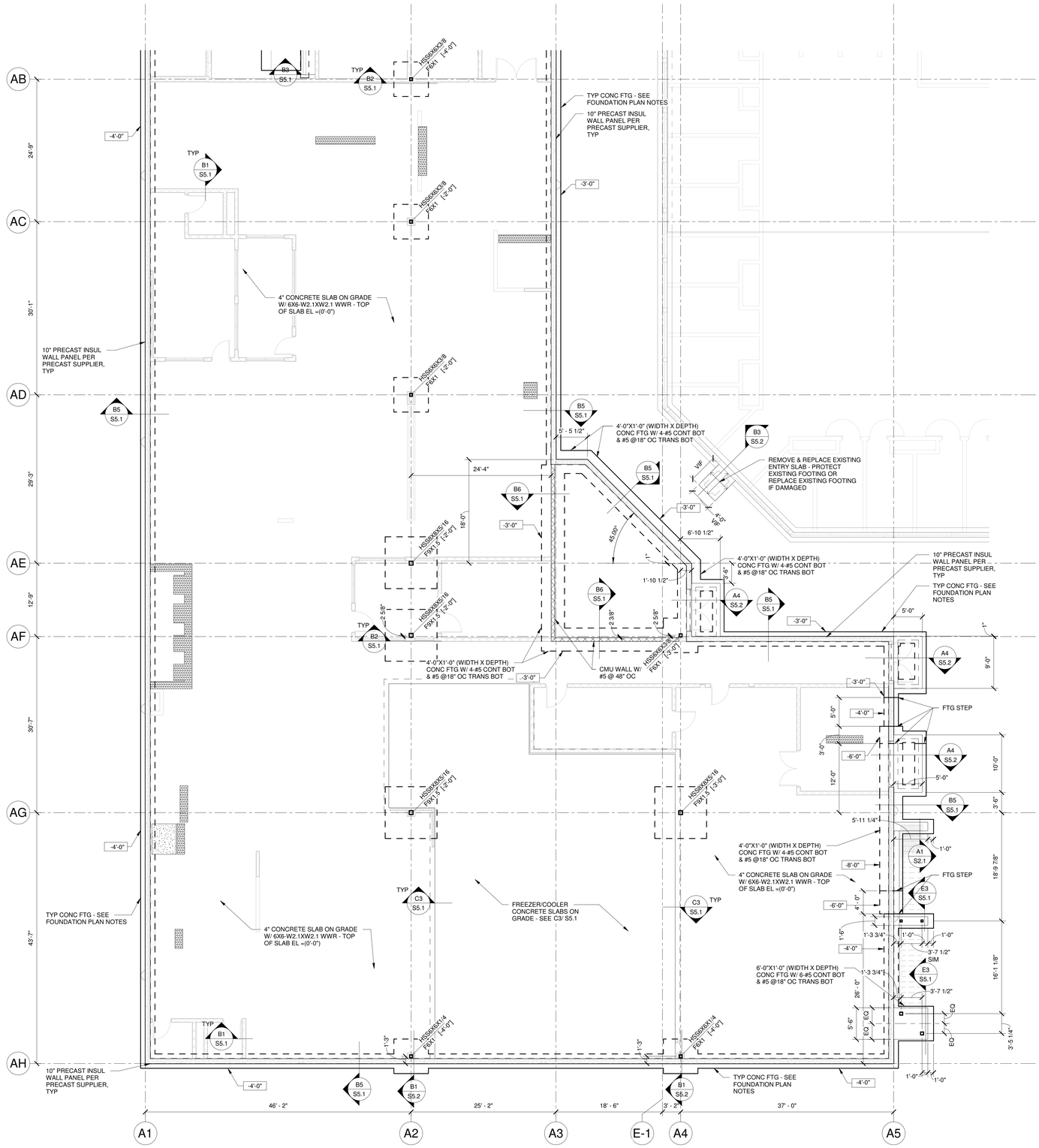
FOUNDATION PLAN - AREA 'A'

SHEET NUMBER:

S1.1

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 11:02:19 AM



1 FOUNDATION PLAN - AREA 'B'
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION
- [ ] INDICATES TOP OF FOOTING ELEVATION AT CONTINUOUS FOOTINGS.
- [ ] INDICATES TOP OF FOOTING ELEVATION AT ISOLATED FOOTINGS.
- FOR TYPICAL CONCRETE SLAB JOINTS SEE A1/ S5.1
- FOR TYPICAL CONCRETE CAP SEE A2/ S5.1
- FOR TYPICAL WALL CORNER & INTERSECTION SEE A3/ S5.1
- FOR TYPICAL STEPPED FOOTING SEE A5/ S5.1
- FOR TYPICAL OPENINGS IN CONCRETE WALL SEE E1/ S5.1
- STRUCTURAL CMU WALLS ARE SHOWN PER THESE PLANS. FOR NON LOAD BRG CMU WALLS (SHOWN IN HALFTONE), SEE ARCH DWGS. ALL NON LOAD BRG CMU WALLS SHALL HAVE THICKENED SLABS, SEE B1/ S5.1
- ALL CONTINUOUS FOOTINGS SHALL BE 2'-6"X1'-0" (WIDTH X DEPTH) W/ 3-#5 CONT BOT & #5 @18" OC TRANS BOT UNO ON PLAN.
- FOR TYPICAL BELOW SLAB SUBGRADE PREP SEE A6/ S5.1
- IF UNSUITABLE BEARING SOILS ARE ENCOUNTERED AT THE BASE OF THE PLANNED FOOTING EXCAVATION, THEN THE FOOTING EXCAVATIONS SHALL BE OVER-EXCAVATED AND FILLED BELOW THE FOOTING - SEE C1/ S5.1 AND GEOTECHNICAL REPORT - SOIL BEARING SURFACE AND OVER-EXCAVATION AND FILL WORK SHALL BE TESTED BY A QUALIFIED INDEPENDENT SOILS TESTING FIRM
- FOR FOUNDATION PLAN AT GENERATOR SEE 2/ S1.1
- INDICATES 4" DEPRESSED SLAB FOR FLOOR TROUGH - SEE C5/ S5.1 SEE FOOD SERVICE DWGS FOR LOC.
- INDIATES 2 1/2" DEPRESSED SLAB - SEE E2/ S5.1. SEE FOOD SERVICE DWGS FOR LOC.
- FOR STAIR FRAMING INFORMATION SEE 1/ S2.1

ISOLATED FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F6X1	6'-0"X6'-0"X1'-0"	6-#5 BOT EA WAY
F9X1.5	9'-0"X9'-0"X1'-6"	12-#5 BOT EA WAY

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2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

SHEET TITLE:
FOUNDATION PLAN - AREA 'B'

SHEET NUMBER:
S1.2

PROJECT NO.: 0240202.00
RFB922300-02

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LINTEL SCHEDULE

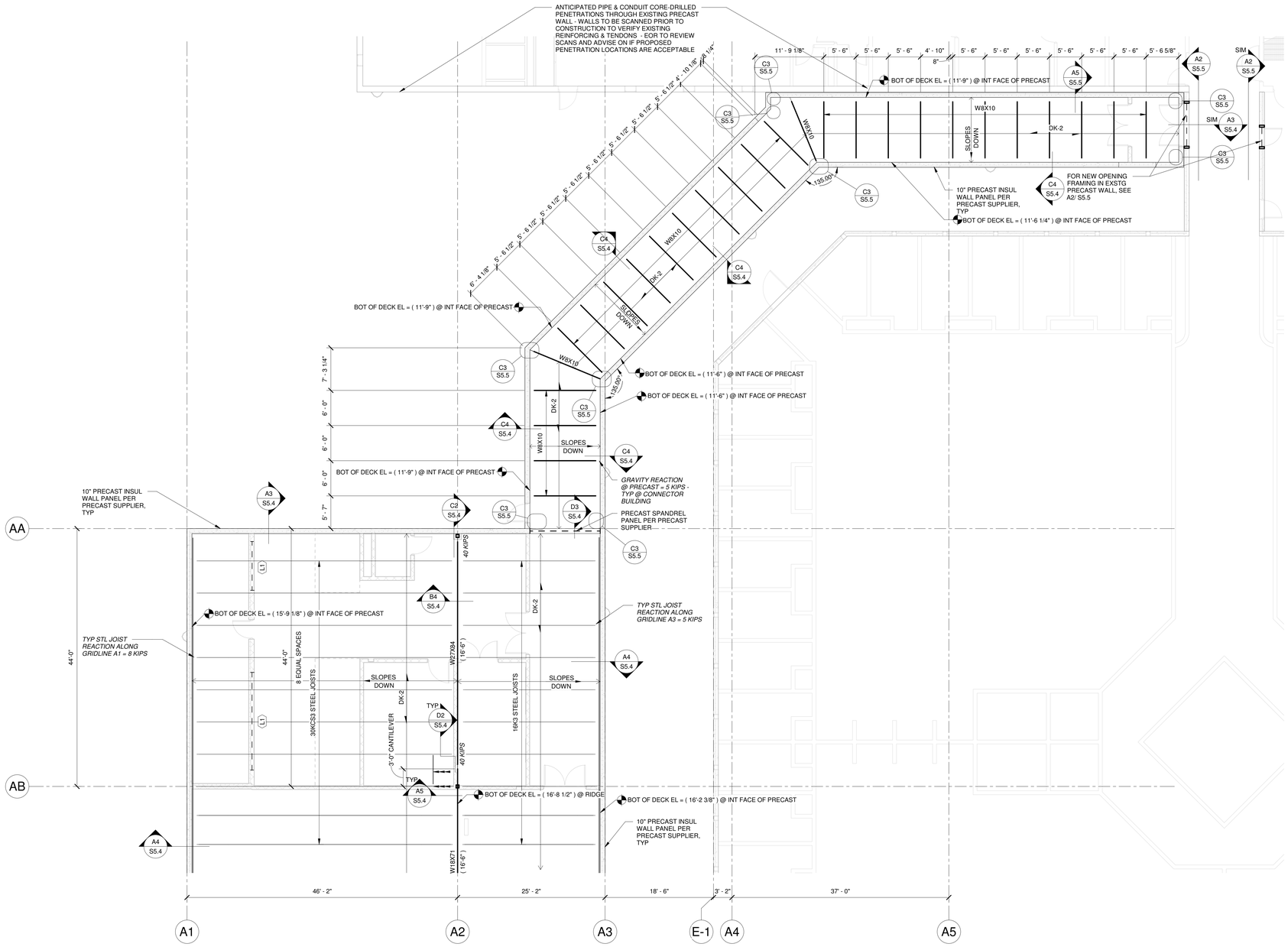
MARK	LINTEL	NOTES
L1	W16X26	SEE D2/ S5.5
•	ALL LINTELS SHALL HAVE 8" MINIMUM BEARING EACH END OF MASONRY	
•	SEE STRUCTURAL NOTES FOR LINTEL SIZES AT ALL INTERIOR PARTITION CMU OPENINGS NOT SHOWN ON PLAN	
•	FOR STEEL LINTELS BEARING PARALLEL TO CMU WALL SEE D1/ S5.5	
•	FOR ADDITIONAL LINTEL NOTES, SEE STRUCTURAL NOTES	

FLOOR & ROOF FRAMING PLAN NOTES:

- FOR TYPICAL ROOF FRAMING @ RTU SEE B1/ S5.4 . FOR TYPICAL FRAMING AROUND ALL OTHER ROOF OPENINGS SEE A1/ S5.4
- FOR CONCENTRATED LOADS AT STEEL JOISTS SEE B3/ S5.4
- PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS
- FOR TYPICAL OPENINGS IN COMPOSITE SLAB SEE B1/ S5.3
- FOR CMU WALL REINF DIAGRAM SEE A1/ S5.3
- FOR BOND BM & LINTEL DIAGRAM SEE A2/ S5.3
- ALL BEAMS AND STEEL JOISTS ARE LOCATED DIRECTLY UNDER METAL DECK UNO. SEE PLAN FOR METAL DECK ELEVATIONS.
- ALL STEEL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 12 PSF (CALCULATED USING ASD EQUATION 0.6D+0.6W)
- FOR PRECAST SHEAR WALLS FORCES & LOCATIONS SEE 2/ S1.5
- STRUCTURAL CMU WALLS ARE SHOWN PER THESE PLANS. FOR NON LOAD BRG CMU WALLS (SHOWN IN HALFTONE), SEE ARCH DWGS. FOR REINF IN NON LOAD BRG CMU WALLS, SEE S0.1. FOR NON LOAD BRG CMU WALLS @ FLOOR/ROOF STRUCTURE, SEE B5/ S5.4. FOR NON LOAD BRG CMU @ BOT OF STEEL BM, SEE A2/ S5.4
- SEE FOUNDATION PLANS FOR DIMENSIONS TO PRECAST WALLS.
- ▬▬ INDICATES L3X3X1/4 KICKER - SEE RESPECTIVE DETAILS CUT ON PLAN
- SEE ARCH DWGS FOR LOCATION OF SPRAY APPLIED FIREPROOFED STRUCTURE.
- ALL REACTIONS INDICATED ON PLAN ARE SERVICE LEVEL.
- "" AFTER DIMENSION INDICATES APPROXIMATE DIMENSIONS TO BE VERIFIED W/ MEP DWGS.
- ⋊ INDICATES CFMF SHEAR WALL HOLD DOWN LOCATION. SEE CFMF SHEAR WALL SCHEDULE.
- FOR TYPICAL STEEL DECK ANGLE SPLICE SEE C2/ S5.5
- PROVIDE SOLID BLOCKING IN CFMF WALLS AT 4'-0" OC MAX VERTICALLY - COORDINATE LOCATION W/ METAL PANEL ATTACHMENT LOCATIONS.
- (H#) INDICATES HEADER. SEE SCHEDULE ON S1.5
- (L#) INDICATES LINTEL. SEE SCHEDULE ON S1.3
- FOR STAIR FRAMING INFORMATION SEE 1/ S2.1

DECKING SCHEDULE

MARK	DECK TYPE	CONCRETE REINFORCING (IF APPLICABLE)
DK-1	4" TOTAL DEPTH CONC SLAB ON 1 1/2" 20 GA TYPE COMPOSITE METAL DECK	6X6-W1.4XW1.4 WWR
DK-2	1 1/2" TYPE B 22 GA METAL ROOF DECK	
•	SEE PLAN FOR DECK ELEVATIONS	



1 LOW ROOF FRAMING PLAN - AREA 'A'
1/8" = 1'-0"

2/5/2024 11:02:21 AM

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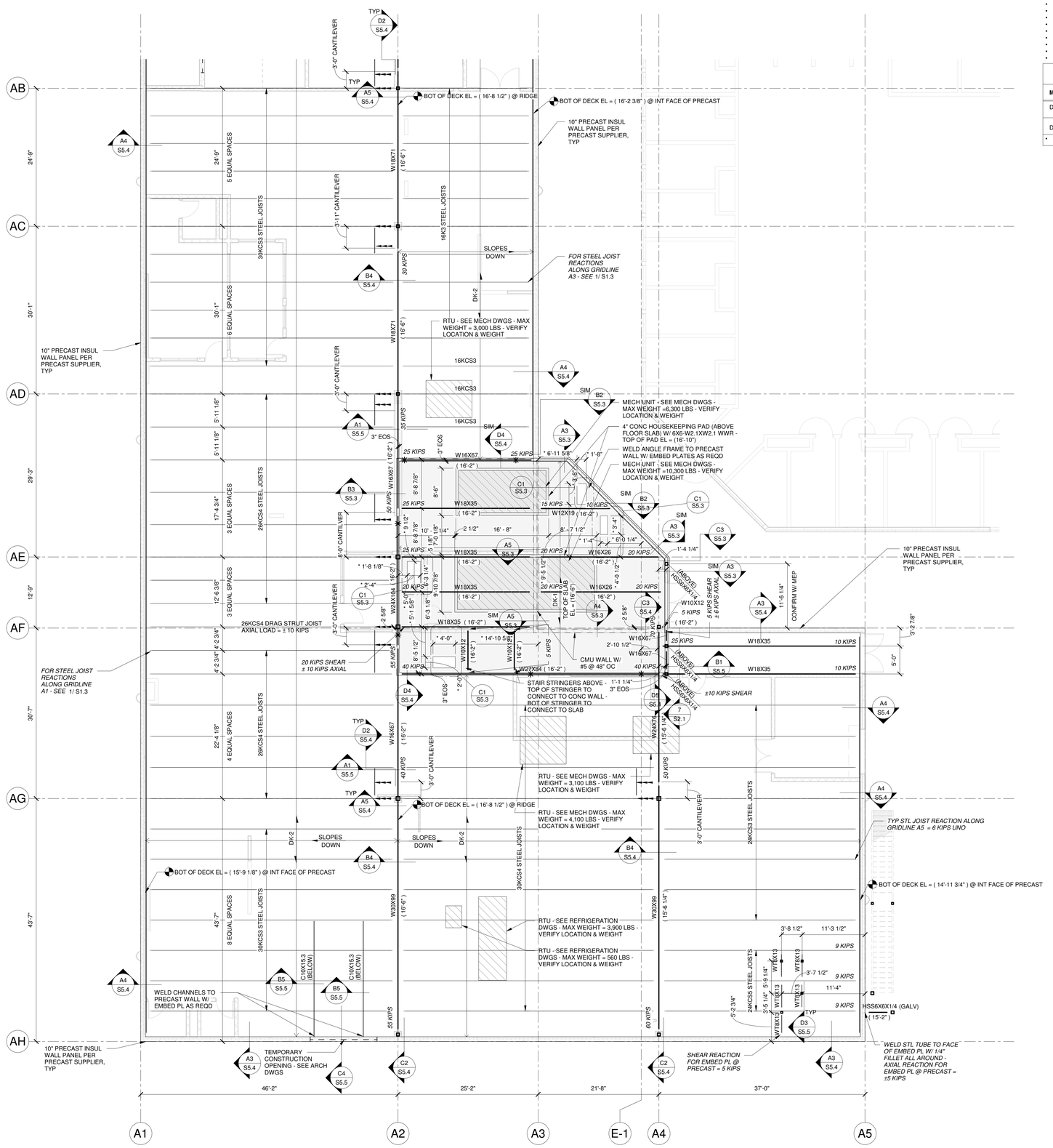
2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

SHEET TITLE:
LOW ROOF FRAMING PLAN - AREA 'A'

SHEET NUMBER:
S1.3

PROJECT NO.: 0240202.00
RFB922300-02



1 LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA 'B'
1/8" = 1'-0"

FLOOR & ROOF FRAMING PLAN NOTES:

- FOR TYPICAL ROOF FRAMING @ RTU SEE B1/ S5.4 . FOR TYPICAL FRAMING AROUND ALL OTHER ROOF OPENINGS SEE A1/ S5.4
- FOR CONCENTRATED LOADS AT STEEL JOISTS SEE B3/ S5.4
- PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS
- FOR TYPICAL OPENINGS IN COMPOSITE SLAB SEE B1/ S5.3
- FOR CMU WALL REINF DIAGRAM SEE A1/ S5.3
- FOR BOND BM & LINTEL DIAGRAM SEE A2/ S5.3
- ALL BEAMS AND STEEL JOISTS ARE LOCATED DIRECTLY UNDER METAL DECK UNO. SEE PLAN FOR METAL DECK ELEVATIONS.
- ALL STEEL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 12 PSF (CALCULATED USING ASD EQUATION 0.6D+0.6W)
- FOR PRECAST SHEAR WALLS FORCES & LOCATIONS SEE 2/ S1.5
- STRUCTURAL CMU WALLS ARE SHOWN PER THESE PLANS. FOR NON LOAD BRG CMU WALLS (SHOWN IN HALFTONE), SEE ARCH DWGS. FOR REINF IN NON LOAD BRG CMU WALLS, SEE S0.1. FOR NON LOAD BRG CMU WALLS @ FLOOR/ROOF STRUCTURE, SEE B5/ S5.4. FOR NON LOAD BRG CMU @ BOT OF STEEL BM, SEE A2/ S5.4
- SEE FOUNDATION PLANS FOR DIMENSIONS TO PRECAST WALLS.
- ▬▬ INDICATES L3X3X1/4 KICKER - SEE RESPECTIVE DETAILS CUT ON PLAN
- SEE ARCH DWGS FOR LOCATION OF SPRAY APPLIED FIREPROOFED STRUCTURE.
- ALL REACTIONS INDICATED ON PLAN ARE SERVICE LEVEL.
- "*" AFTER DIMENSION INDICATES APPROXIMATE DIMENSIONS TO BE VERIFIED W/ MEP DWGS.
- "✳" INDICATES CFMF SHEAR WALL HOLD DOWN LOCATION. SEE CFMF SHEAR WALL SCHEDULE.
- FOR TYPICAL STEEL DECK ANGLE SPLICE SEE C2/ S5.5
- PROVIDE SOLID BLOCKING IN CFMF WALLS AT 4'-0" OC MAX VERTICALLY - COORDINATE LOCATION W/ METAL PANEL ATTACHMENT LOCATIONS.
- (HP) INDICATES HEADER. SEE SCHEDULE ON S1.5
- (LP) INDICATES LINTEL. SEE SCHEDULE ON S1.3
- FOR STAIR FRAMING INFORMATION SEE 1/ S2.1

DECKING SCHEDULE

MARK	DECK TYPE	CONCRETE REINFORCING (IF APPLICABLE)
DK-1	4" TOTAL DEPTH CONC SLAB ON 1 1/2" 20 GA TYPE COMPOSITE METAL DECK	6X6-W1.4XW1.4 WWR
DK-2	1 1/2" TYPE B 22 GA METAL ROOF DECK	
• SEE PLAN FOR DECK ELEVATIONS		

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#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

SHEET TITLE:

LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA 'B'

SHEET NUMBER:

S1.4

PROJECT NO.: 0240202.00
RFB922300-02

25/2024 11:02:23 AM

HEADER SCHEDULE

MARK	HEADER BEAM	SILL BEAM	JAMB	NOTES
H1	HSS10X6X1/4	HSS6X3X1/4 (LDH)	STL COLS @ EA ENDS - SEE PLAN	FOR HEADER AND SILL CONN TO STL TUBE, SEE B4/ S5.5
H2	HSS6X6X1/4	CFMF BY CFMF DESIGNER	CFMF STUDS BY CFMF DESIGNER	• SEE B3/ S5.5 • HEADER REACTIONS @ CFMF JAMB (ASD): • VERT =7,500 LBS • HORIZ=±600 LBS
HBO	"HBO" INDICATES HEADER BY OTHER. ALL HEADER ELEMENTS (HEADER, SILL, JAMB) BY CFMF DESIGNER			

FLOOR & ROOF FRAMING PLAN NOTES:

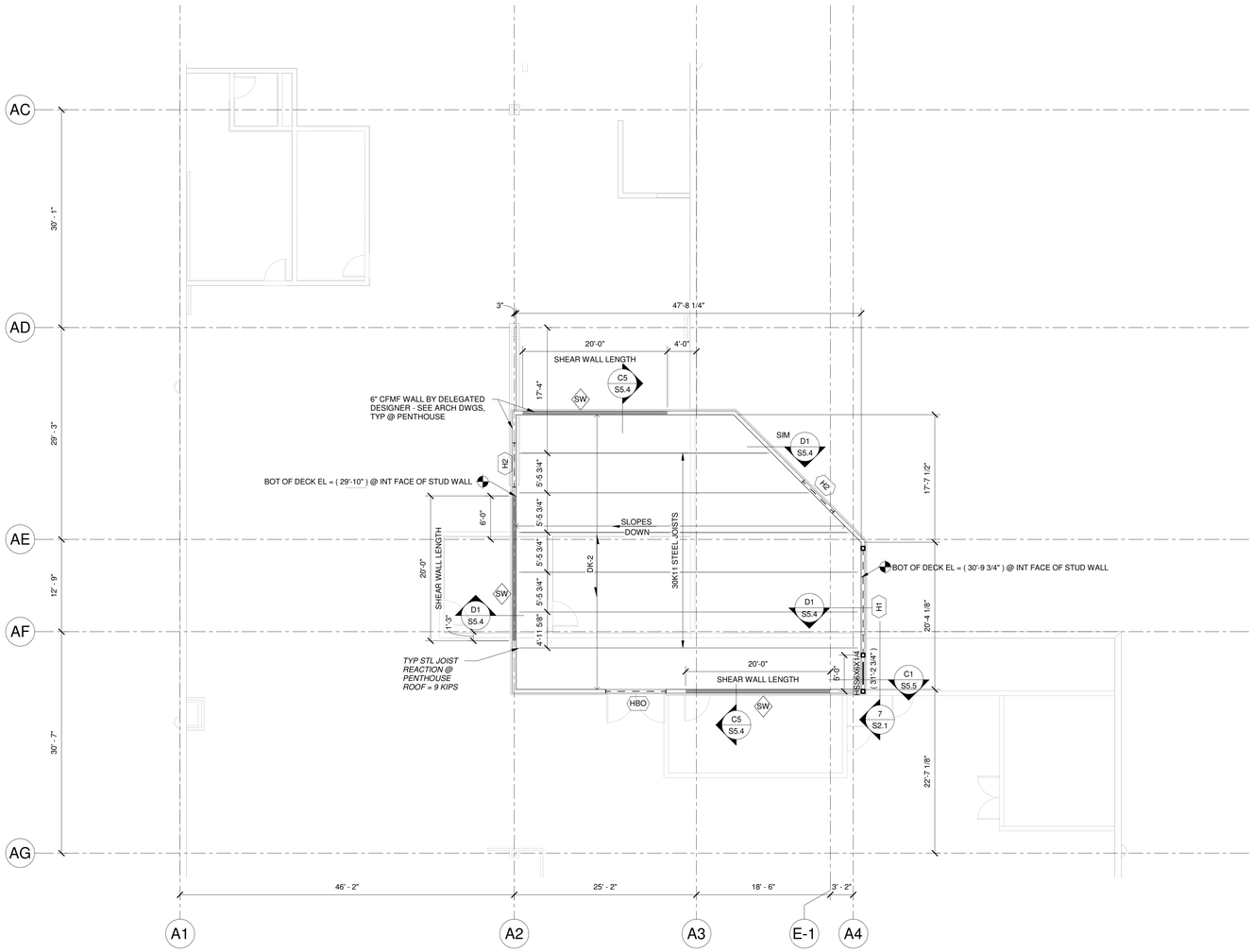
- FOR TYPICAL ROOF FRAMING @ RTU SEE B1/ S5.4 . FOR TYPICAL FRAMING AROUND ALL OTHER ROOF OPENINGS SEE A1/ S5.4
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- PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS
- FOR TYPICAL OPENINGS IN COMPOSITE SLAB SEE B1/ S5.3
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- " " AFTER DIMENSION INDICATES APPROXIMATE DIMENSIONS TO BE VERIFIED W/ MEP DWGS.
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- PROVIDE SOLID BLOCKING IN CFMF WALLS AT 4'-0" OC MAX VERTICALLY - COORDINATE LOCATION W/ METAL PANEL ATTACHMENT LOCATIONS.
- (H#) INDICATES HEADER. SEE SCHEDULE ON S1.5
- (L#) INDICATES LINTEL. SEE SCHEDULE ON S1.3
- FOR STAIR FRAMING INFORMATION SEE 1/ S2.1

DECKING SCHEDULE

MARK	DECK TYPE	CONCRETE REINFORCING (IF APPLICABLE)
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DK-2	1 1/2" TYPE B 22 GA METAL ROOF DECK	
• SEE PLAN FOR DECK ELEVATIONS		

CFMF SHEAR WALL SCHEDULE

MARK	SW
METAL STUD WALL SIZE	6"
SHEATHING TYPE	3/4" OSB
FASTENER & SPACING	#8 SCREWS - 6" OC @ PANEL EDGES, 12" OC @ FIELD
MIN STUD THICKNESS AT EACH HOLD DOWN CHORD (2 PER WALL @ EA END)	2-54 MIL STUDS ALIGNED WEB-TO-WEB
SERVICE WIND TEN/COMP @ EA HOLD DOWN CHORD	±4 KIPS
SIMPSON HOLD DOWN TYPE	S/HDU6
ANCHOR @ EA END OF EA SHEAR WALL (INDICATED BY "✳" ON LOW ROOF FRAMING PLAN)	5/8"Φ F1554 THREADED ROD - WELD TO STEEL BEAM BELOW - SEE B2/ S5.5
SERVICE WIND SHEAR @ BASE OF WALL	300 PLF
• ALL SHEAR WALLS ARE TO BE BLOCKED • ALL CFMF MEMBERS & CONNECTIONS SHALL BE BY CFMF DESIGNER. SEE LOADS IN ABOVE TABLE.	

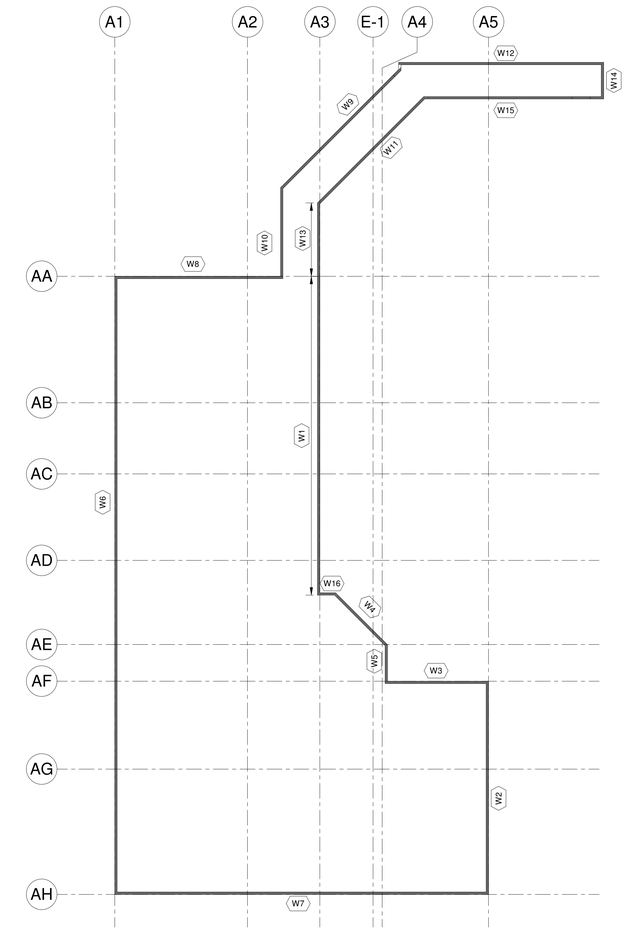


1 PENTHOUSE ROO F FRAMING PLAN
1/8" = 1'-0"

PRECAST SHEAR WALL FORCES SCHEDULE

MARK	APPLIED SHEAR @ DIAPHRAGM (KIPS)
W1	38
W2	6
W3	22
W4	19
W5	9
W6	17
W7	13
W8	17
W9	5
W10	3
W11	11
W12	3
W13	4
W14	6
W15	8
W16	6

- ABOVE LOADS ARE THE WORST CASE SHEAR VALUES, CONTROLLED EITHER BY WIND OR SEISMIC LOADING.
- ABOVE LOADS ARE SERVICE LEVEL.



2 PRECAST SHEAR WALL LOCATIONS PLAN
3/64" = 1'-0"

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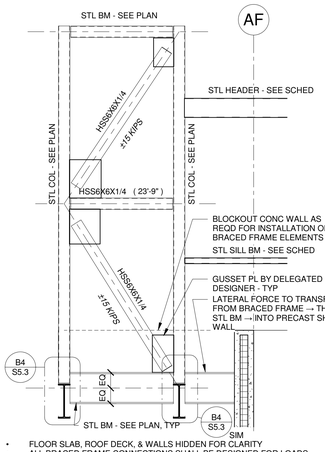
PENTHOUSE ROOF FRAMING & PRECAST SHEAR WALL LOCATIONS PLANS

SHEET NUMBER:

S1.5

PROJECT NO.: 0240202.00
RFB922300-02

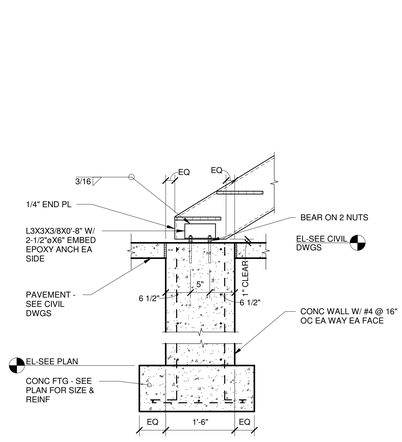
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- FLOOR SLAB, ROOF DECK, & WALLS HIDDEN FOR CLARITY
- ALL BRACED FRAME CONNECTIONS SHALL BE DESIGNED FOR LOADS INDICATED BY DELEGATED DESIGNER

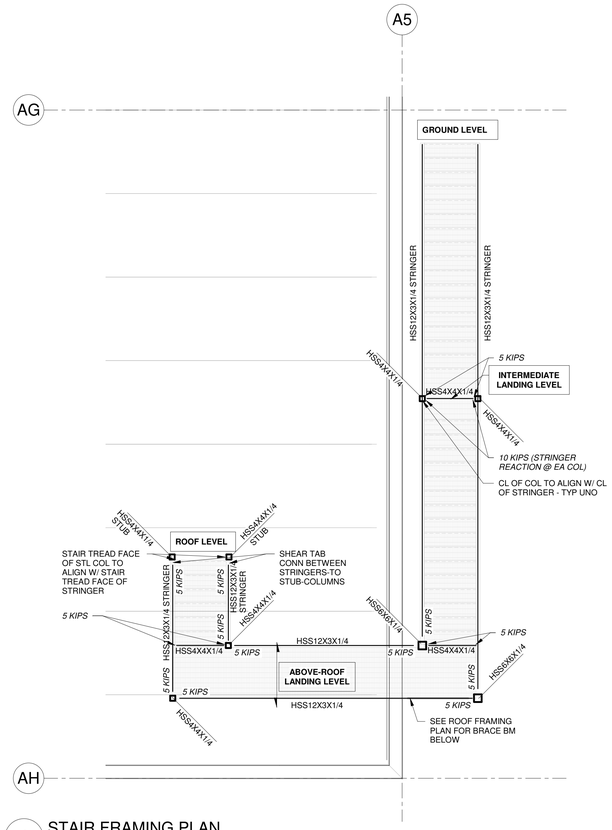
7 BRACED FRAME ELEVATION

3/8" = 1'-0"



A1 STAIR STRINGER @ WALL

3/4" = 1'-0"



1 STAIR FRAMING PLAN

1/4" = 1'-0"

- ALL EXTERIOR STEEL FOR STAIR FRAMING SHALL BE GALVANIZED
- SEE FOUNDATION & FRAMING PLANS FOR STAIR-RELATED DETAILS.
- SEE ARCH DWGS FOR ALL STAIR DETAILS, DIMENSIONS, & ELEVATIONS NOT SHOWN PER THESE DWGS.
- ALL STAIR CONNECTIONS SHALL BE BY DELEGATED DESIGNER FOR LOADS INDICATED ON PLAN

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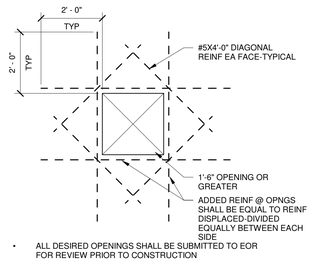
STRUCTURAL FRAMING ELEVATIONS & DETAILS

SHEET NUMBER:

S2.1

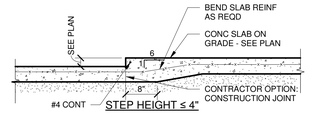
PROJECT NO.: 0240202.00
RFB922300-02

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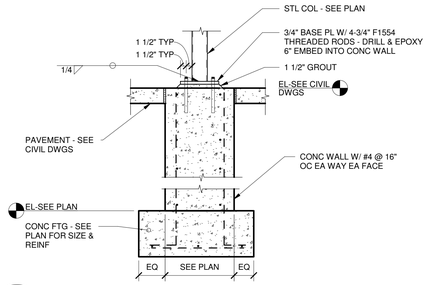


- ALL DESIRED OPENINGS SHALL BE SUBMITTED TO EOR FOR REVIEW PRIOR TO CONSTRUCTION

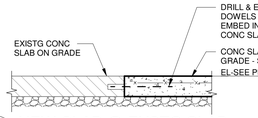
E1 TYP OPENING THROUGH CONC WALL
1/2" = 1'-0"



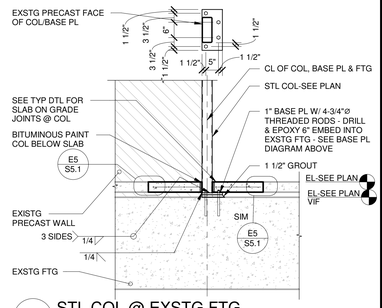
E2 TYP SLAB ON GRADE STEP
3/4" = 1'-0"



E3 STAIR COL @ WALL
3/4" = 1'-0"

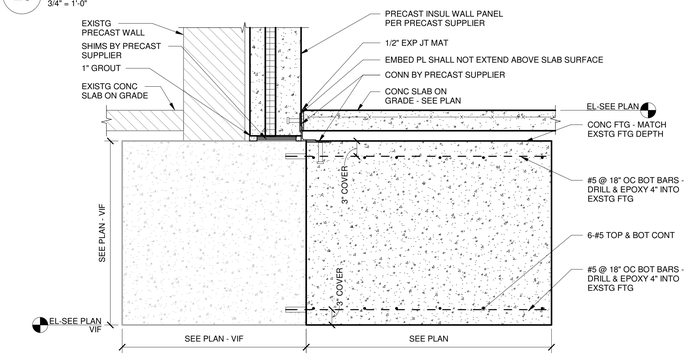


E5 NEW SLAB @ EXSTG SLAB
1" = 1'-0"

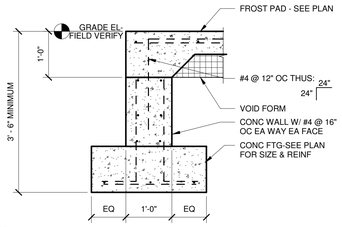


E6 STL COL @ EXSTG FTG
1/2" = 1'-0"

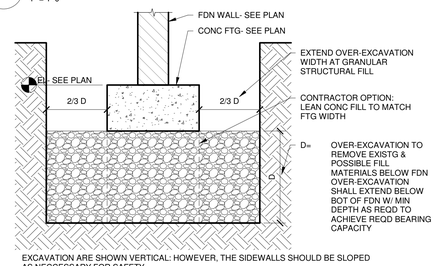
D1 THICKENED SLAB BELOW WASHERS
1" = 1'-0"



D3 NEW SLAB @ EXSTG WALL
1" = 1'-0"

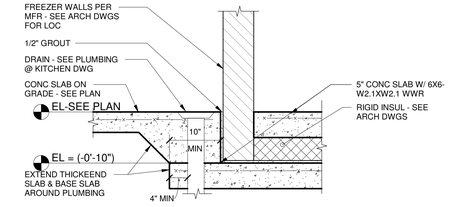


D5 FTG @ FROST PAD
3/4" = 1'-0"

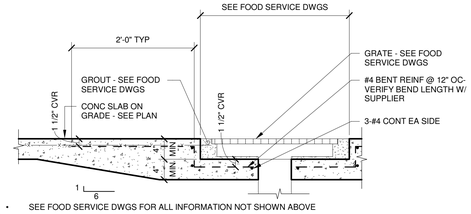


- EXCAVATION ARE SHOWN VERTICAL: HOWEVER, THE SIDEWALLS SHOULD BE SLOPED AS NECCESSARY FOR SAFETY
- BASE BID SHALL NOT INCLUDE OVER-EXCAVATION. ABOVE DETAIL IS ONLY APPLIED IF SOFT SPOTS ARE DISCOVERED DURING EXCAVATION.

C1 TYP FTG OVER-EXCAVATION
3/4" = 1'-0"

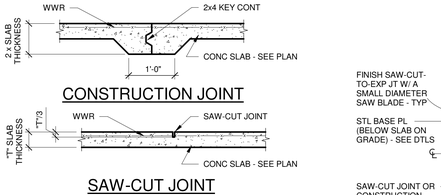


C3 INSULATED SLAB
1" = 1'-0"



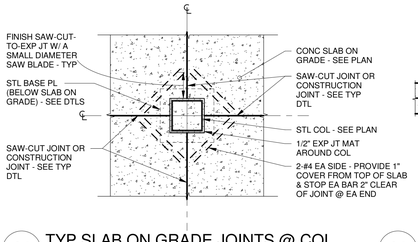
- SEE FOOD SERVICE DWGS FOR ALL INFORMATION NOT SHOWN ABOVE

C5 FLOOR TROUGH DTL
1" = 1'-0"

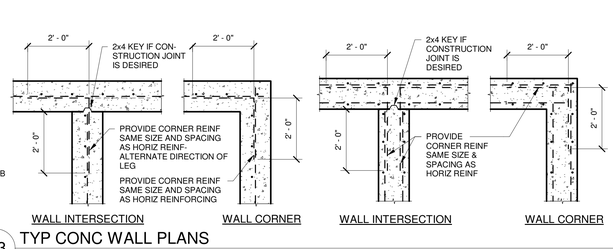


- CONCRETE SLAB JOINTS SHALL BE EITHER CONSTRUCTION OR SAW-CUT JOINTS
- LOCATE CONSTRUCTION JOINTS ON COLUMN CENTERLINE
- LOCATE SAW-CUT JOINTS BETWEEN CONSTRUCTION JOINTS
- LOCATE SLAB JOINTS AT PARTITIONS WHERE POSSIBLE
- MAXIMUM SPACING OF SLAB JOINTS SHALL NOT EXCEED 10'-0" IN ANY DIRECTION

A1 TYP CONC SLAB JOINTS
3/4" = 1'-0"

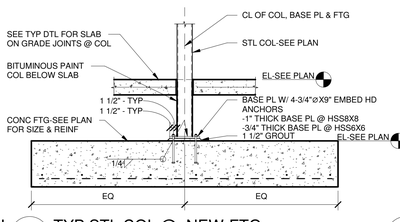


A2 TYP SLAB ON GRADE JOINTS @ COL
3/4" = 1'-0"

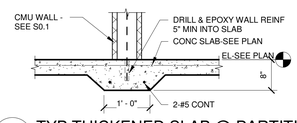


A3 TYP CONC WALL PLANS
1/2" = 1'-0"

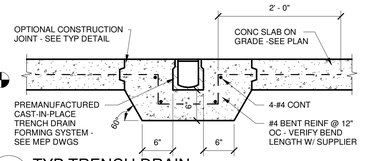
B1 TYP THICKENED SLAB @ PARTITION CMU
3/4" = 1'-0"



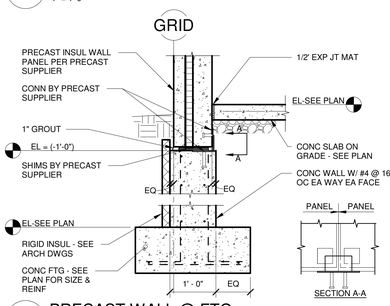
B2 TYP STL COL @ NEW FTG
1/2" = 1'-0"



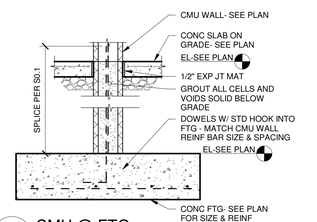
B1 TYP THICKENED SLAB @ PARTITION CMU
3/4" = 1'-0"



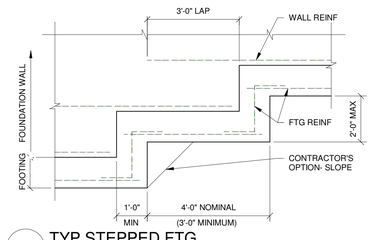
B3 TYP TRENCH DRAIN
1" = 1'-0"



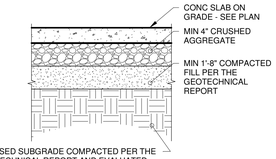
B5 PRECAST WALL @ FTG
3/4" = 1'-0"



B6 CMU @ FTG
3/4" = 1'-0"



A5 TYP STEPPED FTG
1/2" = 1'-0"



EXPOSED SUBGRADE COMPACTED PER THE GEOTECHNICAL REPORT AND EVALUATED BY THE PROJECT GEOTECHNICAL ENGINEER - NOTE THAT ADDITIONAL FILL MAY BE REQD AS A BUFFER ZONE TO MITIGATE EXPASNIVE SOILS - SEE GEOTECHNICAL REPORT

- REFERENCE THE GEOTECHNICAL REPORT FOR PLACEMENT AND COMPACTION REQUIREMENTS
- NOTE EXISTING SOIL MAY BE SUSCEPTIBLE TO DISTURBANCE FROM CONSTRUCTION TRAFFIC- REFERENCE THE GEOTECHNICAL REPORT FOR STABILIZATION OPTIONS

A6 TYP SUBGRADE PREP
3/4" = 1'-0"

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REVIEWED:

SHEET TITLE:

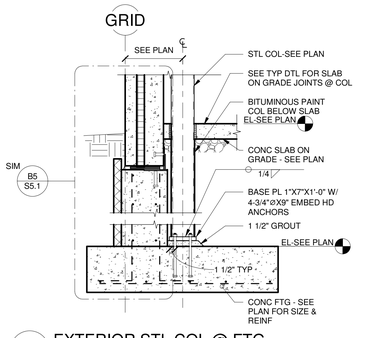
STRUCTURAL DETAILS

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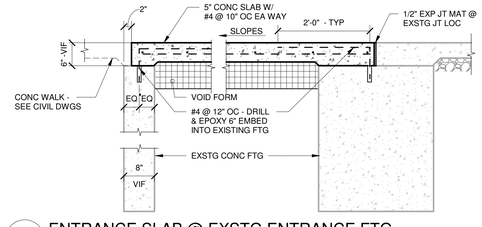
S5.1

PROJECT NO.: 0240202.00
RFB922300-02

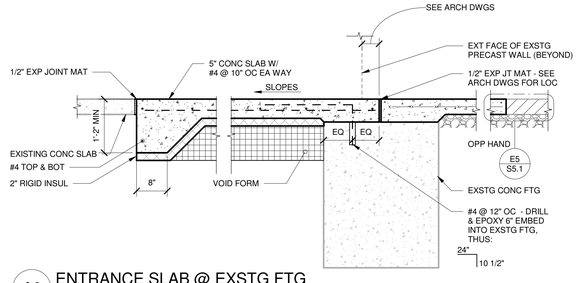
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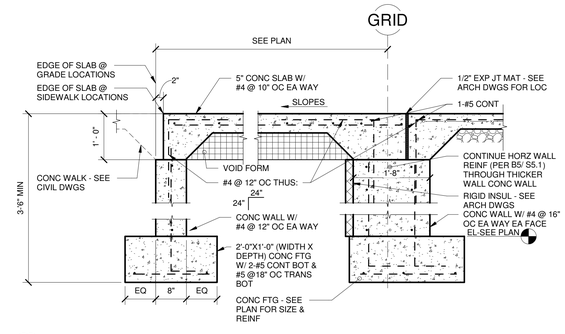
B1 EXTERIOR STL COL @ FTG
3/4" = 1'-0"



B3 ENTRANCE SLAB @ EXSTG ENTRANCE FTG
3/4" = 1'-0"



A3 ENTRANCE SLAB @ EXSTG FTG
3/4" = 1'-0"



A4 CORNER ENTRANCE SLAB
3/4" = 1'-0"

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ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

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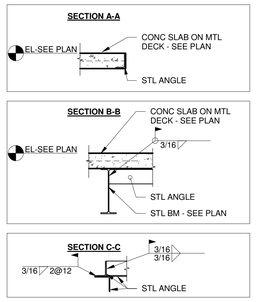
STRUCTURAL DETAILS

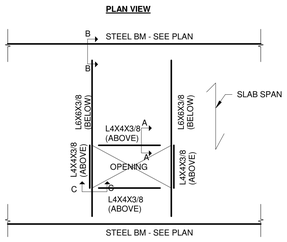
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PROJECT NO.: 0240202.00
RFB922300-02

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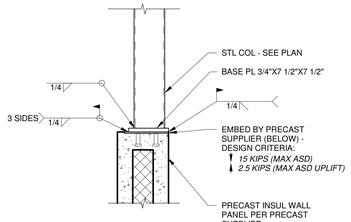




- SEE PLAN FOR OPENING DIMENSIONS, BEAM SIZES, ETC.

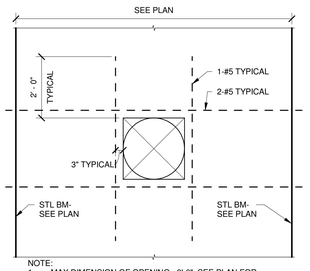
C1 ANGLE FRAMES @ FLOOR SLAB OPENING

1/2" = 1'-0"



C3 STL COL @ PRECAST WALL

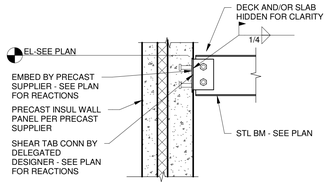
1" = 1'-0"



NOTE:
1. MAX DIMENSION OF OPENING= 3'-6", SEE PLAN FOR OPENINGS GREATER THAN 3'-6"
2. COORDINATE SIZE & LOCATION OF OPENINGS WITH MECHANICAL
3. OPENINGS 10" OR SMALLER DO NOT REQUIRE REINFORCEMENT
4. OPENINGS SHALL BE CUT IN DECK AND SLAB AFTER REACHING SPECIFIED DESIGN STRENGTH
5. PLACE REINFORCEMENT PERPENDICULAR TO DECK SPAN ON TOP OF FLUTE. PLACE REINFORCING PARALLEL TO DECK SPAN IN BOTTOM OF DECK FLUTES WITH PROPER COVER

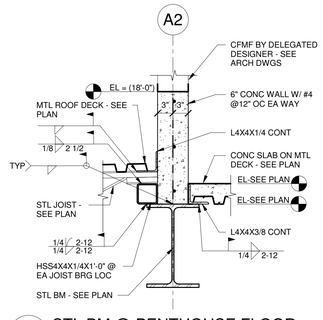
B1 TYP COMP SLAB OPENING

1/2" = 1'-0"



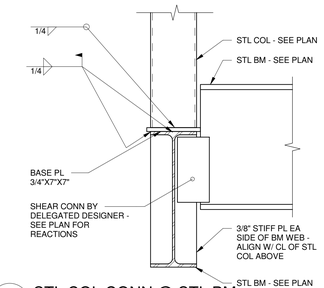
B2 BM @ PRECAST CONN

1" = 1'-0"



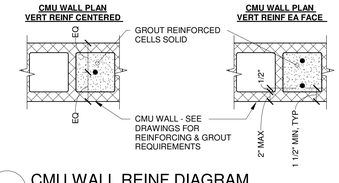
B3 STL BM @ PENTHOUSE FLOOR

1" = 1'-0"



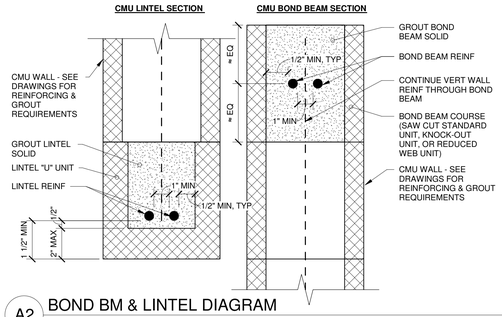
B4 STL COL CONN @ STL BM

1 1/2" = 1'-0"



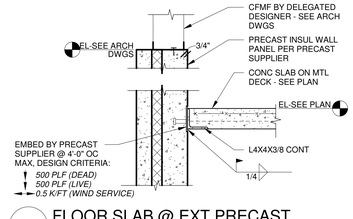
A1 CMU WALL REINF DIAGRAM

1 1/2" = 1'-0"



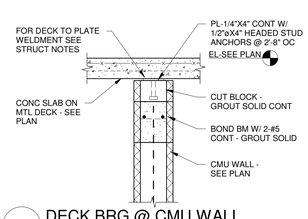
A2 BOND BM & LINTEL DIAGRAM

3" = 1'-0"



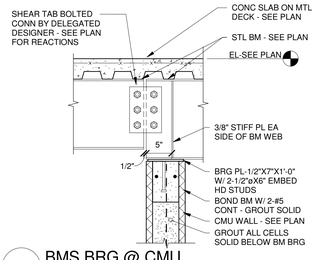
A3 FLOOR SLAB @ EXT PRECAST

1" = 1'-0"



A4 DECK BRG @ CMU WALL

1" = 1'-0"



A5 BMS BRG @ CMU

1" = 1'-0"

2/5/2024 11:02:28 AM

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STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

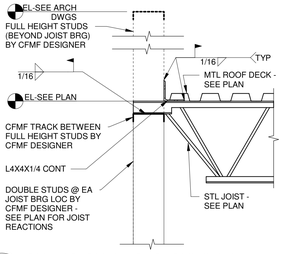
2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED:
DRAWN:
REVIEWED:

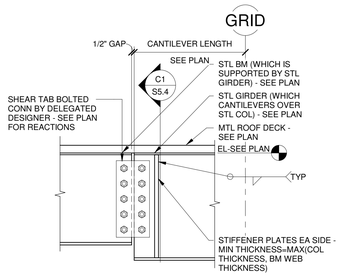
SHEET TITLE:
STRUCTURAL DETAILS

SHEET NUMBER:
S5.3

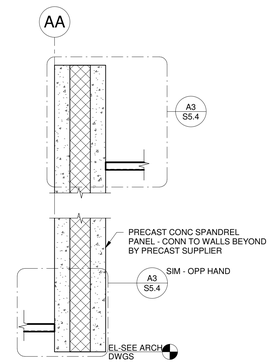
PROJECT NO.: 0240202.00
RFB922300-02



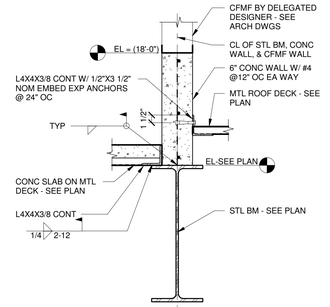
D1 STL JOIST BRG @ STUD WALL
1" = 1'-0"



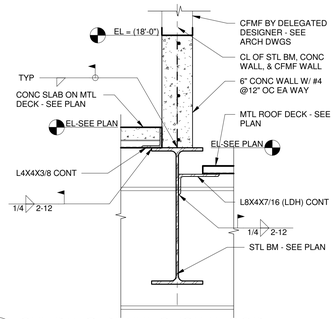
D2 PARALLEL BEAMS SHEAR CONN
1" = 1'-0"



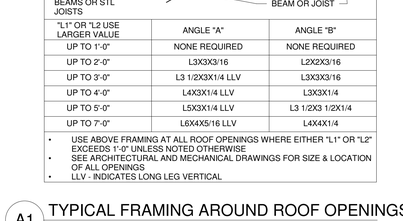
D3 ROOF SECTION @ SPANDREL
1" = 1'-0"



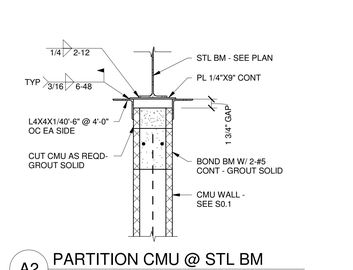
D4 STL BM @ PENTHOUSE FLOOR
1" = 1'-0"



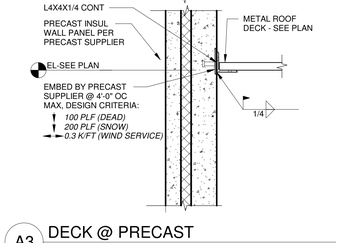
D5 STL BM @ PENTHOUSE FLOOR
1" = 1'-0"



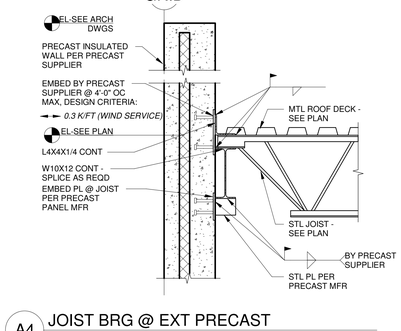
C1 CANTILEVERING BM BRACE @ BM END
1" = 1'-0"



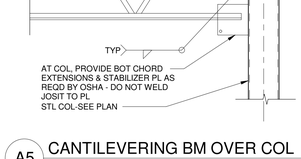
C2 EXTERIOR GIRDER @ STL COL
3/4" = 1'-0"



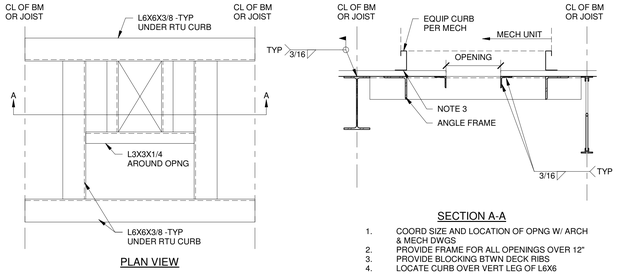
C3 STL BM @ STL COL CONN
1 1/2" = 1'-0"



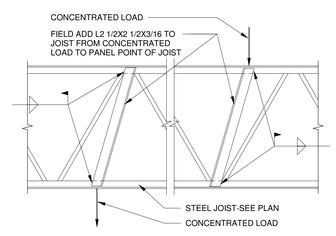
C4 ROOF BM @ PRECAST
1" = 1'-0"



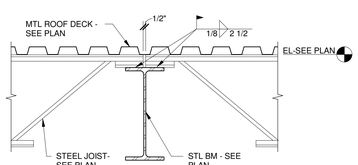
C5 DECK @ STUD WALL
1" = 1'-0"



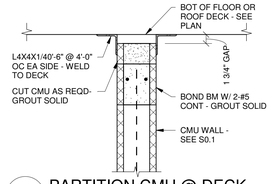
B1 TYP RTU CURB SUPPORT DETAIL
3/4" = 1'-0"



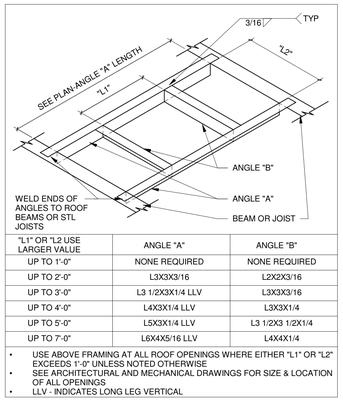
B3 LOADS @ STEEL JOISTS
1" = 1'-0"



B4 JOISTS @ STL BM
1" = 1'-0"



B5 PARTITION CMU @ DECK
1" = 1'-0"



"L1" OR "L2 USE LARGER VALUE	ANGLE "A"	ANGLE "B"
UP TO 1'-0"	NONE REQUIRED	NONE REQUIRED
UP TO 2'-0"	L3X3X3/16	L2X2X3/16
UP TO 3'-0"	L3 1/2X3X1/4 LLV	L3X3X3/16
UP TO 4'-0"	L4X3X1/4 LLV	L3X3X1/4
UP TO 5'-0"	L5X3X1/4 LLV	L3 1/2X3 1/2X1/4
UP TO 7'-0"	L6X4X5/16 LLV	L4X4X1/4

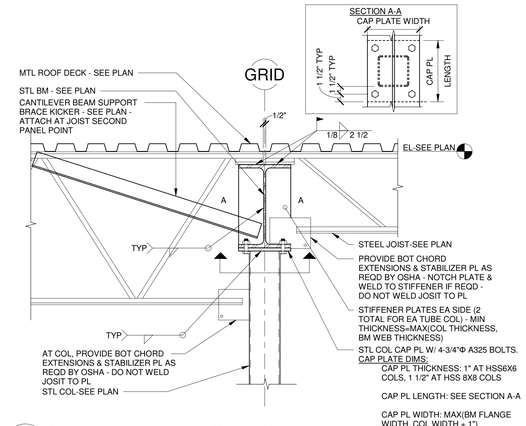
- USE ABOVE FRAMING AT ALL ROOF OPENINGS WHERE EITHER "L1" OR "L2" EXCEEDS 1'-0" UNLESS NOTED OTHERWISE
- SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE & LOCATION OF ALL OPENINGS
- LLV - INDICATES LONG LEG VERTICAL

A1 TYPICAL FRAMING AROUND ROOF OPENINGS
1/2" = 1'-0"

A2 PARTITION CMU @ STL BM
1" = 1'-0"

A3 DECK @ PRECAST
1" = 1'-0"

A4 JOIST BRG @ EXT PRECAST
1" = 1'-0"



A5 CANTILEVERING BM OVER COL
1" = 1'-0"

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PROJECT:
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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

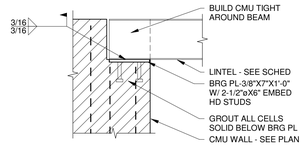
DATE: 02/09/2024
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SHEET TITLE:
STRUCTURAL DETAILS

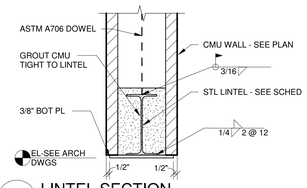
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PROJECT NO.: 0240202.00
RFB922300-02

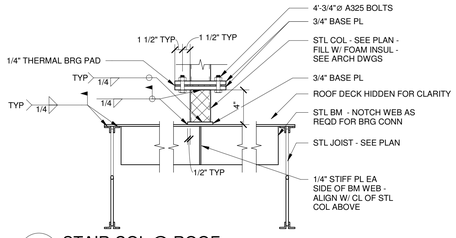
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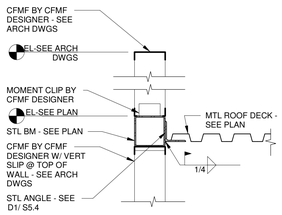
D1 LINTEL BRG PARALLEL TO WALL
1" = 1'-0"



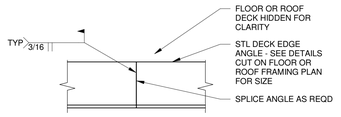
D2 LINTEL SECTION
1 1/2" = 1'-0"



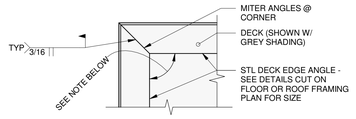
D3 STAIR COL @ ROOF
1" = 1'-0"



C1 DECK @ STL BM
1" = 1'-0"

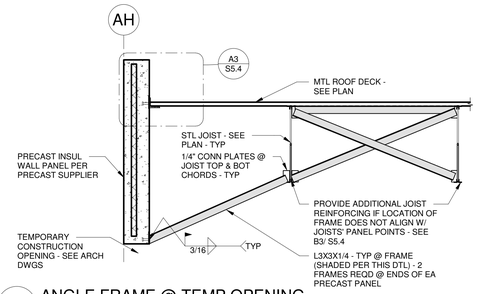


C2 TYP DECK EDGE ANGLE SPLICE ELEVATION
1 1/2" = 1'-0"

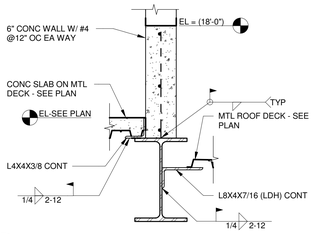


- SEE PLAN FOR ROOF OR FLOOR INTERSECTION ANGLE. ABOVE INTERSECTION ANGLE OF 90 DEGREES IS NOT REPRESENTIVE OF INTERSECTION ANGLE SHOWN PER PLAN.

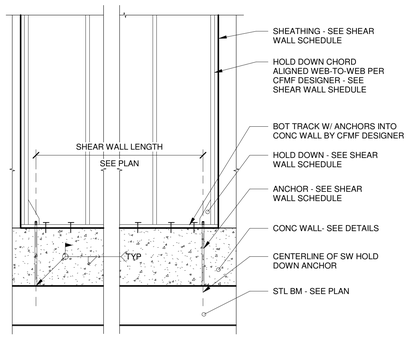
C3 CORNER EDGE ANGLE SPLICE PLAN VIEW
1 1/2" = 1'-0"



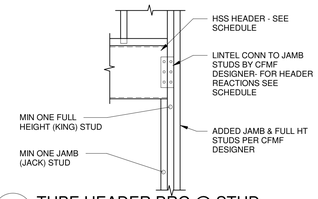
C4 ANGLE FRAME @ TEMP OPENING
1/2" = 1'-0"



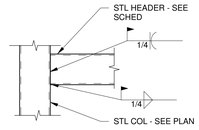
B1 SECTION @ BM
1" = 1'-0"



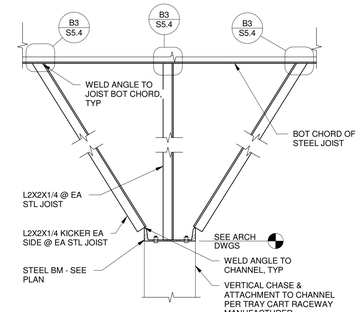
B2 CFMF SHEAR WALL ELEVATION
1/2" = 1'-0"



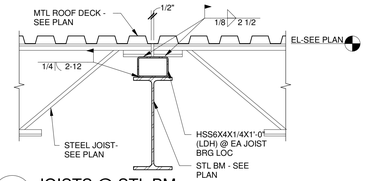
B3 TUBE HEADER BRG @ STUD
1" = 1'-0"



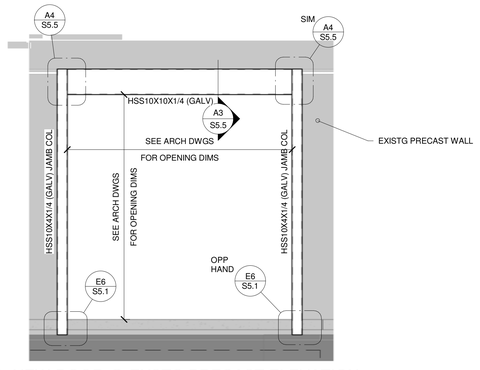
B4 TUBE BM @ TUBE COL
1" = 1'-0"



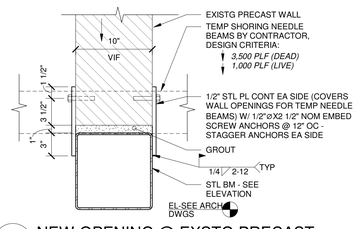
B5 TRAY CART RACEWAY MOUNT @ ROOF
1" = 1'-0"



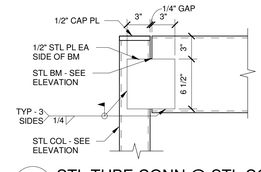
A1 JOISTS @ STL BM
1" = 1'-0"



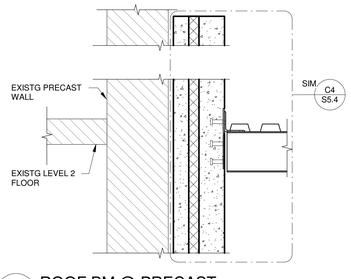
A2 NEW DOOR @ EXSTG PRECAST ELEVATION
1/2" = 1'-0"



A3 NEW OPENING @ EXSTG PRECAST
1 1/2" = 1'-0"



A4 STL TUBE CONN @ STL COL
1 1/2" = 1'-0"



A5 ROOF BM @ PRECAST
1" = 1'-0"

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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

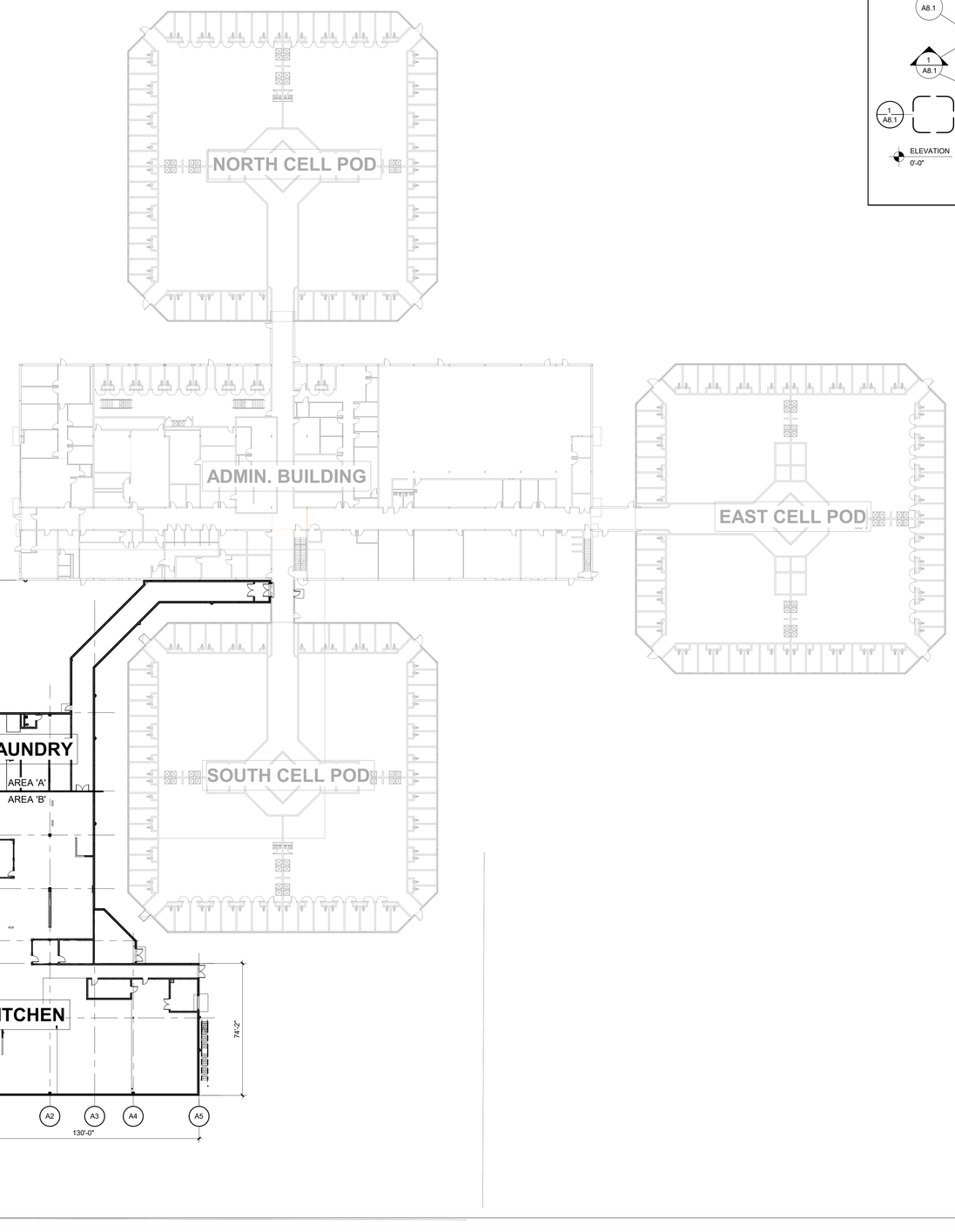
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DATE: 02/09/2024
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DRAWN:
REVIEWED:

SHEET TITLE:
STRUCTURAL DETAILS

SHEET NUMBER:
S5.5

PROJECT NO.: 0240202.00
RFB922300-02



1 **KEY PLAN**
SCALE: 1" = 30'-0"

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

- 1 / A8.1 — DETAIL # / WALL SECTION / SHEET #
- 1 / A8.1 — DETAIL # / BUILDING SECTION / PAGE #
- 1 / A8.1 — DETAIL # / DETAIL SECTION / SHEET #
- 1 / A8.1 — DETAIL # / INTERIOR ELEVATION / SHEET #
- 1 / A8.1 — DETAIL # / EXTERIOR ELEVATION / SHEET #
- 1 / A8.1 — ENLARGED CALLOUT
- ELEVATION / 0'-0" — ELEVATION
- MATL / 1'-0" — CEILING/ SOFFIT HEIGHT
- XX.X — COLUMN GRID
- XX.X — WALL GRID (REPRESENTS FACE OF EXISTING WALL)
- ## — TYPICAL KEYNOTE
- D## — DEMOLITION KEYNOTE
- ROOM NAME / 101 — ROOM DESIGNATION
- 101+1 — DOOR NUMBER
- # — WALL TYPE
- # — WINDOW TYPE
- T# — TOILET ACCESSORY
- 12 / 6 — ROOF PITCH
- SLOPE: 1/4" — SLOPE/ROOF SLOPE
- BREAK LINE
- 7 — REVISION NOTE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ACP/APC	ACOUSTIC CEILING PANEL/ ACOUSTIC PANEL CEILING
ACT	ACOUSTIC(AL) TILE
ADJ	ADJUSTABLE
ADTL	ADDITIONAL
AGG	AGGREGATE
ALT	ALTERNATE
AL	ALUMINUM
APPROX	APPROXIMATE(LY)
ASPH	ASPHALT
AUTO	AUTOMATIC
B.O	BOTTOM OF
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BRG	BEARING
℄	CENTERLINE
C/C	CENTER TO CENTER
CJ	CONTROL JOINT
CLL	CONTRACT LIMIT LINE
CEM	CEMENT(ITIOUS)
CMU	CONCRETE MASONRY UNIT
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER(ED)
DF	DRINKING FOUNTAIN
DS	DOWNSPOUT
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DET/DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG(S)	DRAWING(S)
E	EAST
EC	ELECTRICAL CONTRACTOR
EHO	ELECTRICAL HOLD OPEN
EJ	EXPANSION JOINT
EW	EACH WAY
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FFE	FINISH FLOOR ELEVATION
FV	FIELD VERIFY
FEC	FIRE EXTINGUISHER CABINET
FDN	FOUNDATION
FIN	FINISH
FLSHG	FLASHING
FLR	FLOOR
FRMG	FRAMING
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSUM
HM	HOLLOW METAL
HDWR	HARDWARE
HOL	HOLLOW
HOR	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HT	HEIGHT
HVAC	HEATING/VENTILATION/AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
LAV	LAVATORY
LB(S)	POUND(S)
LS	LANDSCAPE
LT	LIGHT
MO	MASONRY OPENING
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
MW	MICROWAVE
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NOM	NOMINAL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OHCD	OVERHEAD COILING DOOR
O TO O	OUT TO OUT
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
PEB	PRE-ENGINEERED BUILDING
PJF	PREFORMED JOINT FILLER
PT	PRESSURE TREATED
PERIM	PERIMETER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNT	PAINT
PR	PAIR
PTD	PAINTED
PWR	POWER
RB	RUBBER BASE
RD	ROOF DRAIN
RO	ROUGH OPENING
RAD	RADIUS
REC	RECESSED
REINF	REINFORCED
REF	REFRIGERATOR
REQ'D	REQUIRED
REV	REVISED (REVISION)
RM	ROOM
S	SOUTH
SB	SPLASH BLOCK
SF	SQUARE FEET
SS	STAINLESS STEEL
SIM	SIMILAR
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TELE	TELEPHONE
TRTD	TREATED
TS	TUBE STEEL
TYP	TYPICAL
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WWF	WELDED WIRE FABRIC
WD	WOOD
WH	WATER HEATER
WT	WEIGHT

GENERAL NOTES

A. REFER TO LIFE SAFETY SHEETS FOR LIFE SAFETY INFORMATION.

B. CONTRACTOR TO PROVIDE ALL ADDITIONAL FRAMING NECESSARY FOR ALL OPENINGS AND SUPPLEMENTAL FRAMING ABOVE PARTITIONS.

C. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SYSTEM RELATED PENETRATIONS NOT SHOWN.

D. EXISTING BUILDING SHALL BE MAINTAINED IN A WEATHERPROOF CONDITION AT ALL TIMES.

E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S), SPRINKLER SYSTEM(S).

F. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.

G. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT FROM CORNER TO CORNER TO AVOID MISMATCH OF COLOR.

H. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC, SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULED (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).

I. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).

J. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.

K. CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.

L. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS AND TO COORDINATE THEIR WORK WITH ALL OTHER TRADES.

M. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.

N. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.

O. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.

P. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE DESIGN PROFESSIONAL PRIOR TO FABRICATION OR INSTALLATION.

Q. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD PRIOR TO BEGINNING CONSTRUCTION.

R. HINGE SIDE OF DOOR FRAME JAMBS TO BE LOCATED **4" FROM NEAREST WALL** INTERSECTION UNLESS OTHERWISE NOTED.

LINE WORK LEGEND

- EXISTING
- DEMOLISHED
- NEW CONSTRUCTION

0 4 8 16 PLAN NORTH

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PROJECT:
STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

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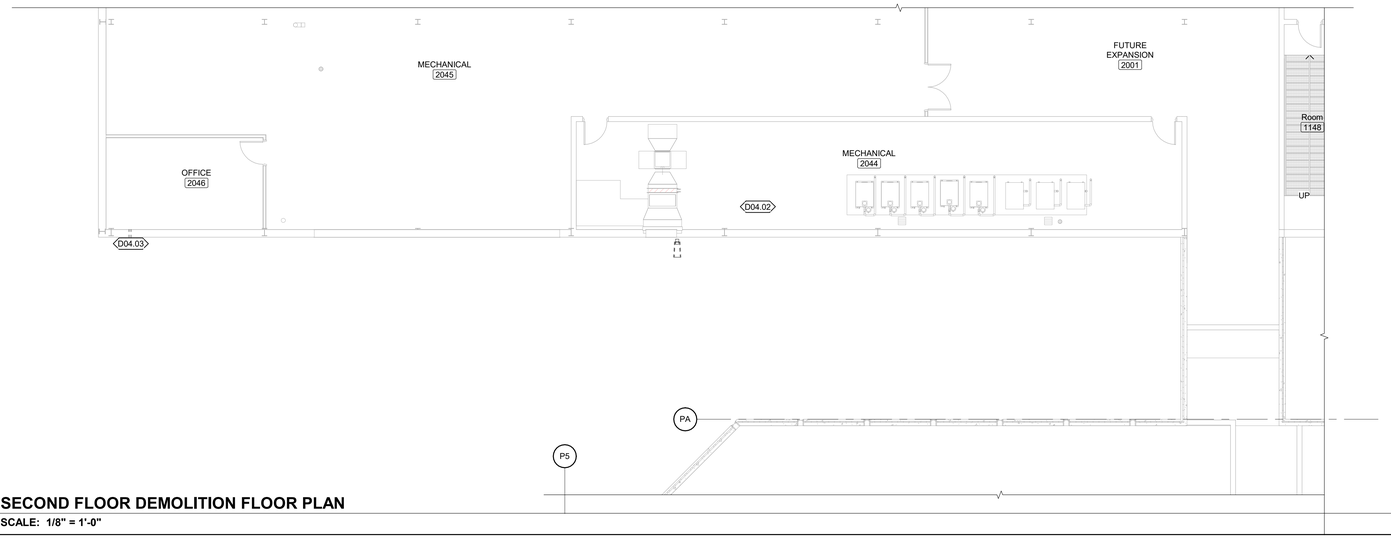
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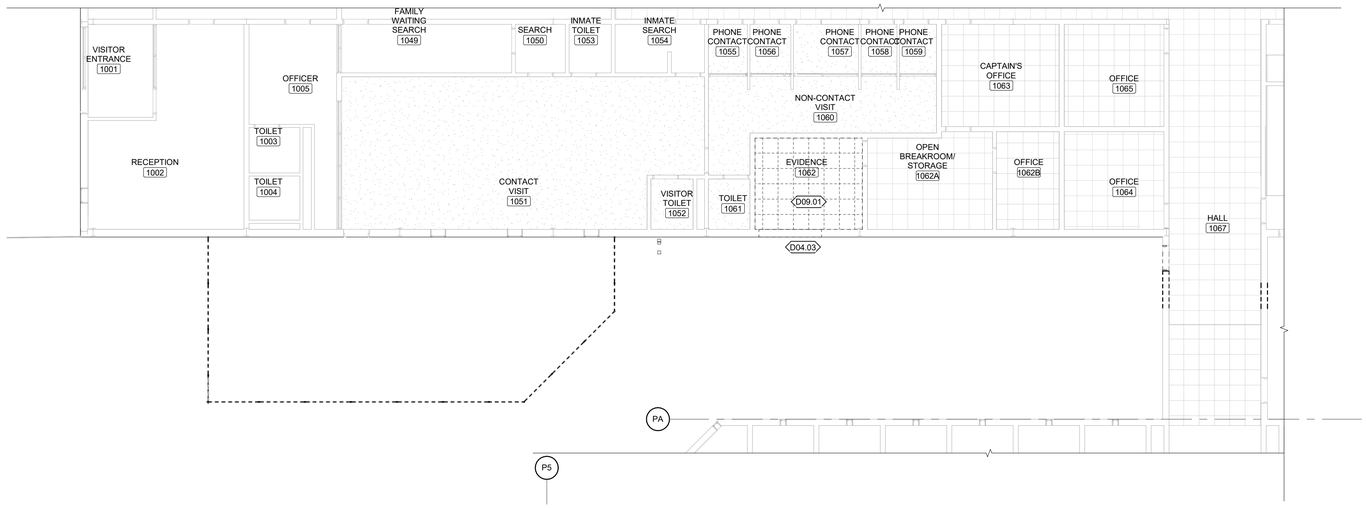
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1 **SECOND FLOOR DEMOLITION FLOOR PLAN**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH



2 **FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

3 **FIRST FLOOR DEMOLITION FLOOR PLAN**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

DEMOLITION GENERAL NOTES

A. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION

B. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.

C. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.

D. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE.

E. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS.

F. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC, TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.

G. PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.

H. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.

I. REMOVE ACOUSTICAL CEILINGS INDICATED INCLUDING, BUT NOT LIMITED TO, RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIST SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.

J. DEMOLITION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, RESILIENT BASE, ETC.

K. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.

L. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.

M. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.

N. HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO; ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.

O. MEPT ROUTING THROUGH EXISTING BLDG IS NOT EXHAUSTIVELY NOTED W/ DEMOLITION DWGS - SEE & COORD W MEPT DRAWINGS FOR ALL PENETRATIONS AND RELATED DEMOLITION REQUIRED FOR NEW WORK.

DEMOLITION KEYNOTES (BY DIVISION) D#

DIVISION 03	
D03.01	DEMOLISH PORTION OF CONC. FLOOR SLAB FOR NEW STRUCT - COORD LOCATION & EXTENTS W NEW WORK
DIVISION 04	
D04.01	DEMOLISH PORTION OF PRECAST WALL. COORDINATE EXTENTS W/ NEW WORK - SEE STRUCT. DWGS
D04.02	CORE DRILL FLOOR FOR NEW PIPING. COORDINATE WITH NEW WORK & MEPT DWGS
D04.03	CORE DRILL PRECAST WALL. COORDINATE EXTENTS W/ NEW WORK.
DIVISION 07	
D07.01	DEMOLISH DOWNSPOUT & DOWNSPOUT COVER TO HEIGHT ABOVE NEW WORK. RECONFIGURE DOWNSPOUT FOR NEW ELEVATION DISCHARGE. COORDINATE WITH NEW WORK.
DIVISION 08	
D08.01	DEMOLISH DOOR & FRAME. PREP FOR NEW WORK
DIVISION 09	
D09.01	DEMOLISH CEILING GRID & TILE.
DIVISION 31	
D31.01	SEE CIVIL DRAWINGS FOR DEMOLITION OF SITE ELEMENTS SUCH AS PAVING & DRAINAGE
DIVISION 32	
D32.01	EXISTING FENCE. DEMOLISHED BY OWNER PRIOR TO CONSTRUCTION.

LINE WORK LEGEND

- EXISTING
- DEMOLISHED
- NEW CONSTRUCTION

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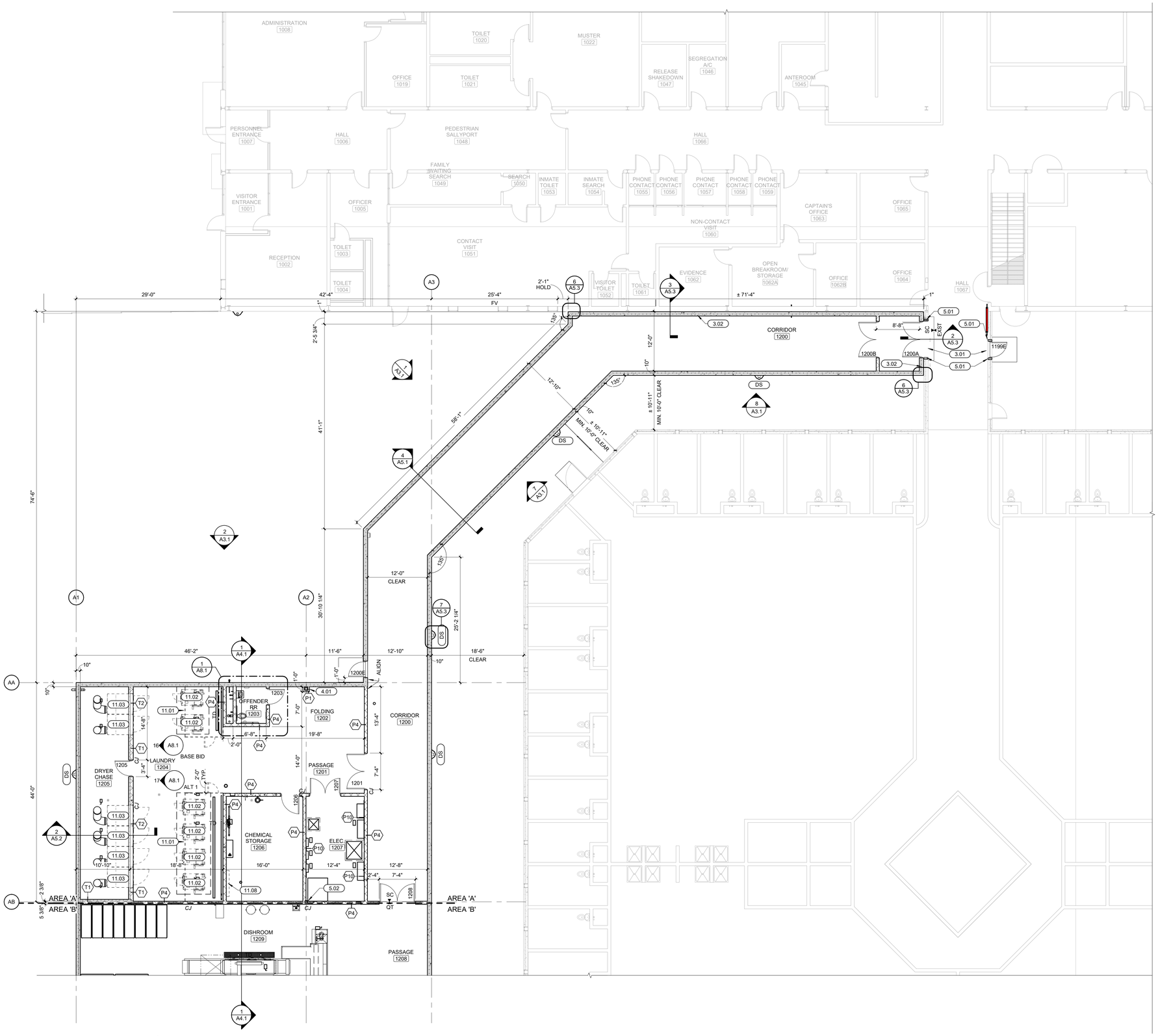
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REVIEWED:	BR

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DEMOLITION PLANS

SHEET NUMBER:
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PROJECT NO.: 0240202.00
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PLAN GENERAL NOTES

A. REFER TO LIFE SAFETY AND PARTITIONS FOR LOCATION OF RATED PARTITIONS, SEPARATION INFORMATION, AND PARTITION TYPES.

B. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

D. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

E. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

F. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

G. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.

H. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

I. AT ALL TD (TRENCH DRAIN) LOCATIONS COORD W STRUCT & FSE DWGS & DETAILS

J. ALL EXPOSED ACCESSIBLE MATERIAL ATTACHMENTS SHALL BE TAMPERPROOF EXCEPT IN ROOMS ELEC. 1207, MECH 1241 & MECH 2100

BID ALTERNATES

REFERENCE SECTION 00 2113 AND 00 4100 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

ALTERNATE NO. 1:

BASE BID CONDITION: PROVIDE ROUGH-IN MECHANICAL, ELECTRICAL AND PLUMBING RESOURCES FOR FUTURE LAUNDRY EQUIPMENT. SEE MEP DWGS FOR SPECIFIC EXTENTS. PROVIDE INFILL PARTITIONS AT ALL DRYER EQUIPMENT LOCATIONS. REF. SHEET A1.1, ELEVATION 16/A8.1, AND PARTITION TYPE T2.

ALTERNATE BID CONDITION: PROVIDE LAUNDRY EQUIPMENT AND ALL RELATED MECHANICAL, ELECTRICAL AND PLUMBING NEEDS FOR AN OPERABLE SYSTEM. PROVIDE COMPLETE INSTALLATION OF WASHERS & DRYERS AND EQUIPMENT OPENING SURROUNDS AS NOTED IN 17/A8.1. REF MEP DWGS.

BASIS OF DESIGN MANUFACTURER & MODEL NUMBERS ARE LISTED BELOW. SUBSTITUTIONS SHALL BE APPROVED PRIOR TO BID BY ARCHITECT.

WASHER UNIT: MILNOR; MODEL: 36026 V5J
DRYER UNIT: MILNOR, MODEL: M122
CHEMICAL DISPENSING SYSTEM: PROVIDED BY OWNER
- MANUFACTURER: SEKO; UNIT: OPL ADVANTAGE - MULTI WASHER SYSTEM
- ROUGH-INS PROVIDED BY CONTRACTOR

ALTERNATE NO. 2:

BASE BID CONDITION: PROVIDE KITCHEN EQUIPMENT AS NOTED IN FSE DOCUMENTS WITH THE EXCEPTION OF NOTED ALTERNATE BAKERY EQUIPMENT. PROVIDE ALL ROUGH-INS TO NOTED ALTERNATE BAKERY EQUIPMENT BUT DO NOT PROVIDE INSTALLATION OR HOOKUP SERVICES.

ALTERNATE BID CONDITION: PROVIDE ALL NOTED ALTERNATE BAKERY EQUIPMENT AND FULL INSTALLATION OF ALL EQUIPMENT.

KEYNOTES (BY DIVISION)

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	
5.01	EXPOSED STEEL STRUCTURE - HPC
5.02	EXPOSED STEEL STRUCTURE - PNT
5.03	TYP. 1" GAP BETWEEN CMU & COLUMN
5.04	CONC. UTILITY CURB - SEE DETAIL 3/FS401
5.06	GALV. STEEL COLUMN - SEE STRUCT.
5.07	GALV. STEEL STAIR & LANDING
DIVISION 07	
07.08	CONC. SPLASH BLOCK
DIVISION 08	
8.01	LOUVER OPENING - COORD W MECH INSTALLATION
DIVISION 11	
11.01	STEEL MESH SECURITY CAGING - ALT. 1
11.02	LAUNDY - WASHER-EXTRACTOR UNIT - ALT 1
11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
11.05	FOODSERVICE EQUIPMENT - EXTEND ABOVE CEILING - SEE FSE DWGS
11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
11.08	CHEMICAL DISPENSING SYSTEM - ALT 1
DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

LINE WORK LEGEND

EXISTING

ALTERNATE

NEW CONSTRUCTION

1 **LEVEL 1 PLAN - AREA 'A'**
SCALE: 1/8" = 1'-0"

0 4 8 16

PLAN NORTH

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#	DATE:	DESCRIPTION:

BID SET

PROJECT:
STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

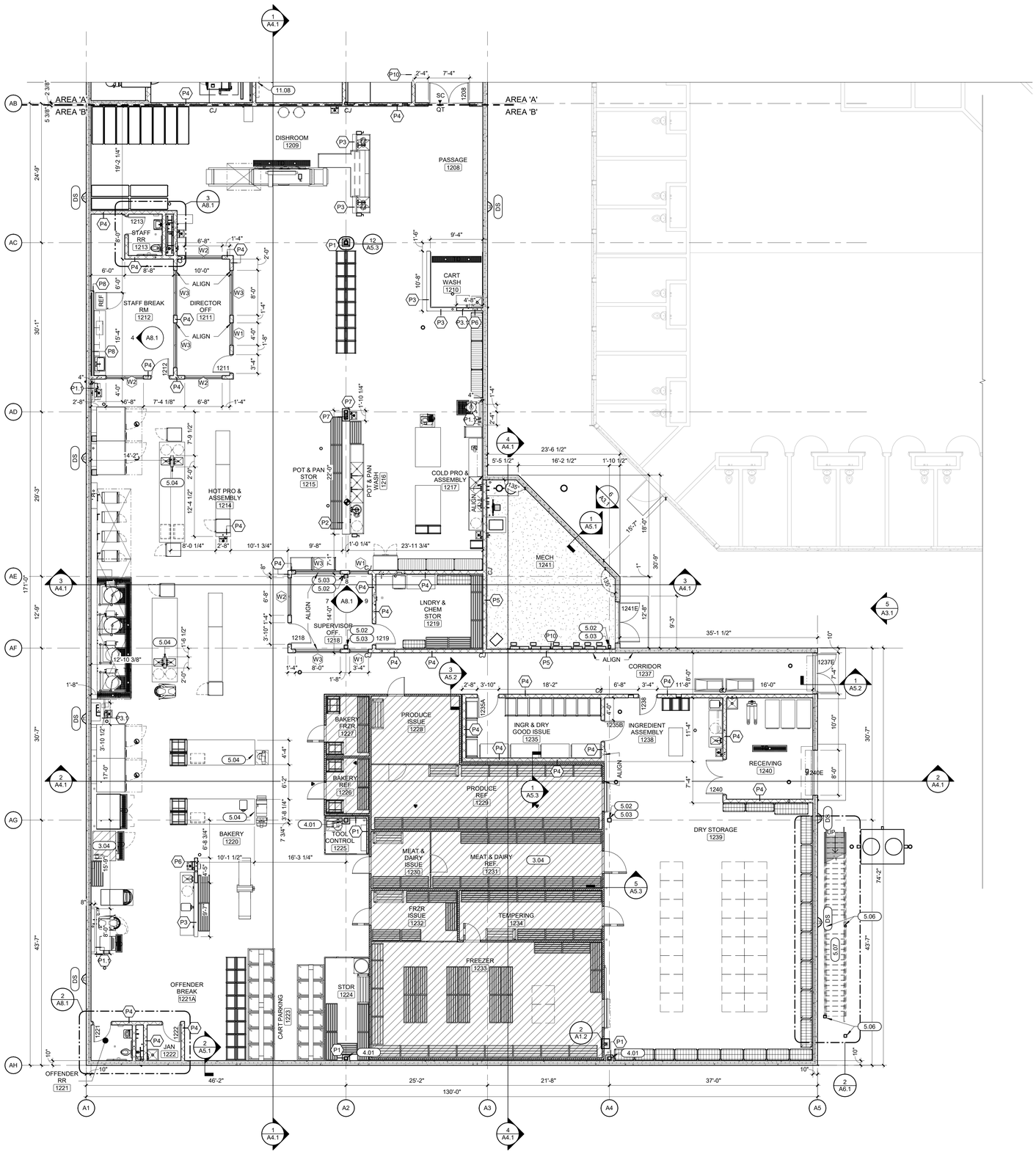
2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

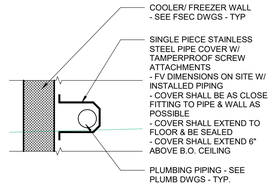
SHEET TITLE:
LEVEL 1 FLOOR PLAN - AREA 'A'

SHEET NUMBER:
A1.1

PROJECT NO.: 0240202.00
RFB922300-02



1 FIRST FLOOR PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"



NOTE: CONFIRM ATTACHMENT METHOD W/ COOLER/FREEZER WALL MANUFACTURER TO MAINTAIN WARRANTY AND WALL INTEGRITY

2 INT. PIPE PROTECTION COVER - TYP.
SCALE: 1 1/2" = 1'-0"

PLAN GENERAL NOTES

A. REFER TO LIFE SAFETY AND PARTITIONS FOR LOCATION OF RATED PARTITIONS, SEPARATION INFORMATION, AND PARTITION TYPES.

B. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

D. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

E. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

F. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

G. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.

H. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

I. AT ALL TD (TRENCH DRAIN) LOCATIONS COORD W STRUCT & FSE DWGS & DETAILS

J. ALL EXPOSED ACCESSIBLE MATERIAL ATTACHMENTS SHALL BE TAMPERPROOF EXCEPT IN ROOMS ELEC. 1207, MECH 1241 & MECH 2100

BID ALTERNATES

REFERENCE SECTION 00 2113 AND 00 4100 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

ALTERNATE NO. 1:

BASE BID CONDITION: PROVIDE ROUGH-IN MECHANICAL, ELECTRICAL AND PLUMBING RESOURCES FOR FUTURE LAUNDRY EQUIPMENT. SEE MEP DWGS FOR SPECIFIC EXTENTS. PROVIDE INFILL PARTITIONS AT ALL DRYER EQUIPMENT LOCATIONS. REF. SHEET A1.1, ELEVATION 16/A8.1, AND PARTITION TYPE T2.

ALTERNATE BID CONDITION: PROVIDE LAUNDRY EQUIPMENT AND ALL RELATED MECHANICAL, ELECTRICAL AND PLUMBING NEEDS FOR AN OPERABLE SYSTEM. PROVIDE COMPLETE INSTALLATION OF WASHERS & DRYERS AND EQUIPMENT OPENING SURROUNDS AS NOTED IN 17/A8.1. REF MEP DWGS.

BASIS OF DESIGN MANUFACTURER & MODEL NUMBERS ARE LISTED BELOW. SUBSTITUTIONS SHALL BE APPROVED PRIOR TO BID BY ARCHITECT.

WASHER UNIT: MILNOR; MODEL: 36026 V5J
DRYER UNIT: MILNOR; MODEL: M122
CHEMICAL DISPENSING SYSTEM: PROVIDED BY OWNER
- MANUFACTURER: SEKO; UNIT: OPL ADVANTAGE - MULTI WASHER SYSTEM
- ROUGH-INS PROVIDED BY CONTRACTOR

ALTERNATE NO. 2:

BASE BID CONDITION: PROVIDE KITCHEN EQUIPMENT AS NOTED IN FSE DOCUMENTS WITH THE EXCEPTION OF NOTED ALTERNATE BAKERY EQUIPMENT. PROVIDE ALL ROUGH-INS TO NOTED ALTERNATE BAKERY EQUIPMENT BUT DO NOT PROVIDE INSTALLATION OR HOOKUP SERVICES.

ALTERNATE BID CONDITION: PROVIDE ALL NOTED ALTERNATE BAKERY EQUIPMENT AND FULL INSTALLATION OF ALL EQUIPMENT.

KEYNOTES (BY DIVISION)

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	
5.01	EXPOSED STEEL STRUCTURE - HPC
5.02	EXPOSED STEEL STRUCTURE - PNT
5.03	TYP. 1" GAP BETWEEN CMU & COLUMN
5.04	CONC. UTILITY CURB - SEE DETAIL 3/FS401
5.06	GALV. STEEL COLUMN - SEE STRUCT.
5.07	GALV. STEEL STAIR & LANDING
DIVISION 07	
07.08	CONC. SPLASH BLOCK
DIVISION 08	
8.01	LOUVER OPENING - COORD W MECH INSTALLATION
DIVISION 11	
11.01	STEEL MESH SECURITY CAGING - ALT. 1
11.02	LAUNDY - WASHER-EXTRACTOR UNIT - ALT 1
11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
11.05	FOODSERVICE EQUIPMENT - EXTEND ABOVE CEILING - SEE FSE DWGS
11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
11.08	CHEMICAL DISPENSING SYSTEM - ALT 1
DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

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2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED: KDV
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SHEET TITLE:

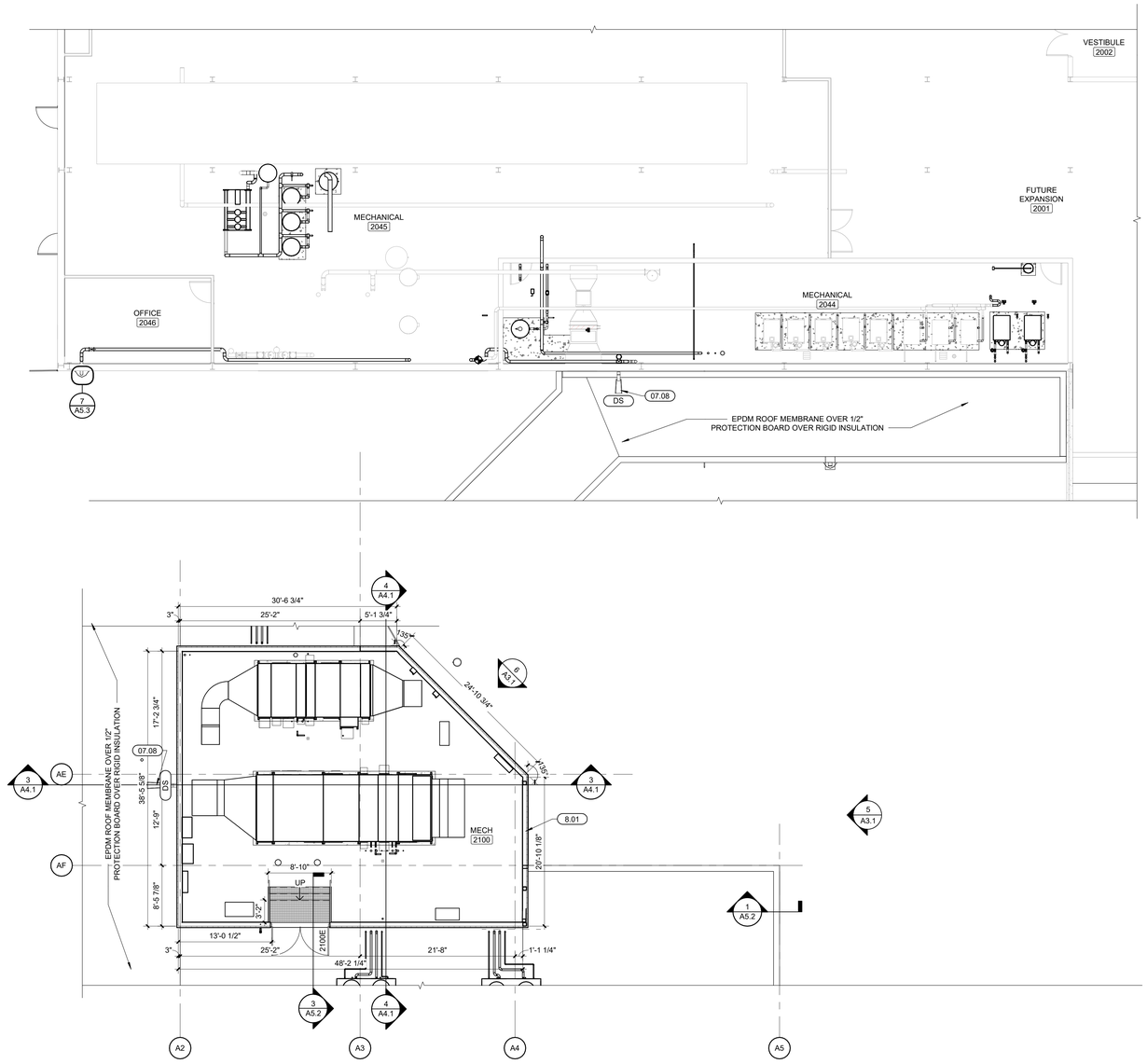
LEVEL 1 FLOOR PLAN - AREA 'B'

SHEET NUMBER:

A1.2

PROJECT NO.: 0240202.00
RFB922300-02

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PLAN GENERAL NOTES

A. REFER TO LIFE SAFETY AND PARTITIONS FOR LOCATION OF RATED PARTITIONS, SEPARATION INFORMATION, AND PARTITION TYPES.

B. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

D. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

E. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

F. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

G. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.

H. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

I. AT ALL TD (TRENCH DRAIN) LOCATIONS COORD W STRUCT & FSE DWGS & DETAILS

J. ALL EXPOSED ACCESSIBLE MATERIAL ATTACHMENTS SHALL BE TAMPERPROOF EXCEPT IN ROOMS ELEC. 1207, MECH 1241 & MECH 2100

KEYNOTES (BY DIVISION)

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	
5.01	EXPOSED STEEL STRUCTURE - HPC
5.02	EXPOSED STEEL STRUCTURE - PNT
5.03	TYP. 1" GAP BETWEEN CMU & COLUMN
5.04	CONC. UTILITY CURB - SEE DETAIL 3/FS401
5.06	GALV. STEEL COLUMN - SEE STRUCT.
5.07	GALV. STEEL STAIR & LANDING
DIVISION 07	
07.08	CONC. SPLASH BLOCK
DIVISION 08	
8.01	LOUVER OPENING - COORD W MECH INSTALLATION
DIVISION 11	
11.01	STEEL MESH SECURITY CAGING - ALT. 1
11.02	LAUNDY - WASHER-EXTRACTOR UNIT - ALT 1
11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
11.05	FOODSERVICE EQUIPMENT - EXTEND ABOVE CEILING - SEE FSE DWGS
11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
11.08	CHEMICAL DISPENSING SYSTEM - ALT 1
DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

1 **LEVEL 2 FLOOR PLAN**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

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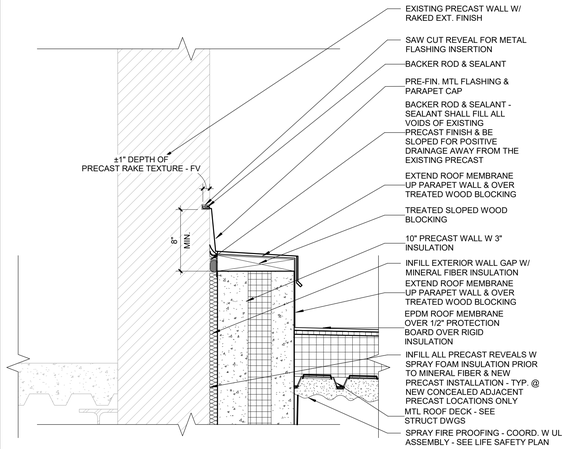
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SHEET TITLE:
LEVEL 2 FLOOR PLAN

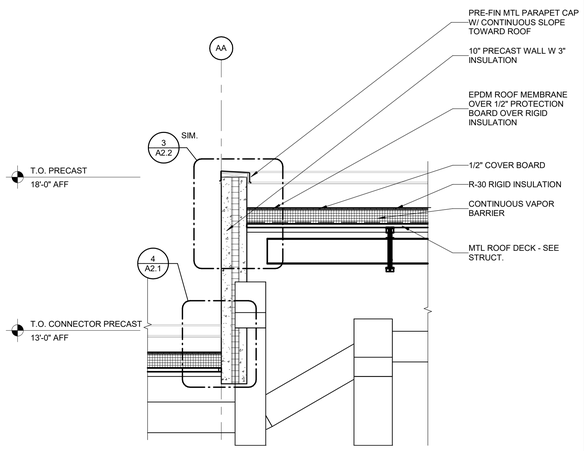
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PROJECT NO.: 0240202.00
RFB922300-02

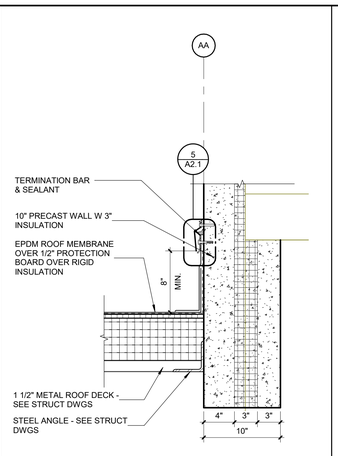
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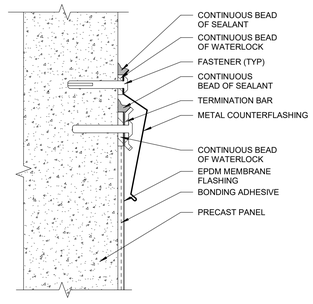
2 ROOF DETAIL @ EXSTNG BLDG CONNECTION - TYP.
SCALE: 1 1/2" = 1'-0"



3 ROOF ELEVATION CHANGE
SCALE: 1/2" = 1'-0"



4 ROOF TO PRECAST DETAIL
SCALE: 1 1/2" = 1'-0"



5 TERMINATION BAR & COUNTERFLASING
SCALE: 6" = 1'-0"

ROOF GENERAL NOTES

A. ALL ROOF SURFACES TO SLOPE AT A MINIMUM 1/4" PER FOOT UNLESS OTHERWISE NOTED OR SHOWN. PROVIDE TAPERED INSULATION WHERE INDICATED OR REQUIRED TO PROVIDE POSITIVE DRAINAGE TO ROOF DRAINS AT A MINIMUM 1/4" PER FOOT. TAPERED INSULATION LAYOUT AS SHOWN IS TO COMMUNICATE GENERAL DRAIN STRATEGY - ACTUAL AMOUNT MAY VARY.

B. ALL ROOF AREAS MUST HAVE POSITIVE DRAINAGE UNLESS SHOWN OTHERWISE. NO PONDING OF WATER OVER 1/8" IN DEPTH WILL BE ACCEPTABLE AT ROOF DRAINS OR SCUPPERS.

C. COORDINATE ROOF DRAIN/SCUPPER LOCATIONS WITH PLUMBING & CIVIL DRAWING(S).

D. COORDINATE ALL ROOF PENETRATION REQUIREMENTS, INCLUDING THOSE THAT MAY NOT BE SHOWN, WITH ROOFING CONTRACTOR, AND MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

E. ALL ROOF PENETRATIONS TO BE IN COMPLIANCE WITH MANUFACTURER AND NRCA REQUIREMENTS.

F. ROOFING COMPONENTS MAY VARY DEPENDING ON ROOFING MANUFACTURER. CONTRACTOR SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.

G. ROOFING INSULATION THERMAL LETTER-VALUE AND CORRESPONDING R-VALUE MAY VARY DEPENDING ON INSULATION MANUFACTURER. ROOFING CONTRACTOR TO CONSULT INSULATION MANUFACTURERS WRITTEN DOCUMENTATION AND PROVIDE A ROOF INSULATION THICKNESS TO MEET OR EXCEED THE IECC REQUIREMENT.

H. PROVIDE MINIMUM 15'-0" CLEARANCE FROM ANY INTAKE FOR ALL EQUIPMENT AND VENT STACKS. ALERT DESIGN PROFESSIONAL OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

I. ONCE ROOF WORK BEGINS, THE CONTRACTOR IS ACCEPTING ALL CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION AND NEW WORK REQUIRED TO PROVIDE A WATERTIGHT ROOF SYSTEM.

J. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS, SCUPPERS, CONNECTOR HEADS AND DRAINS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

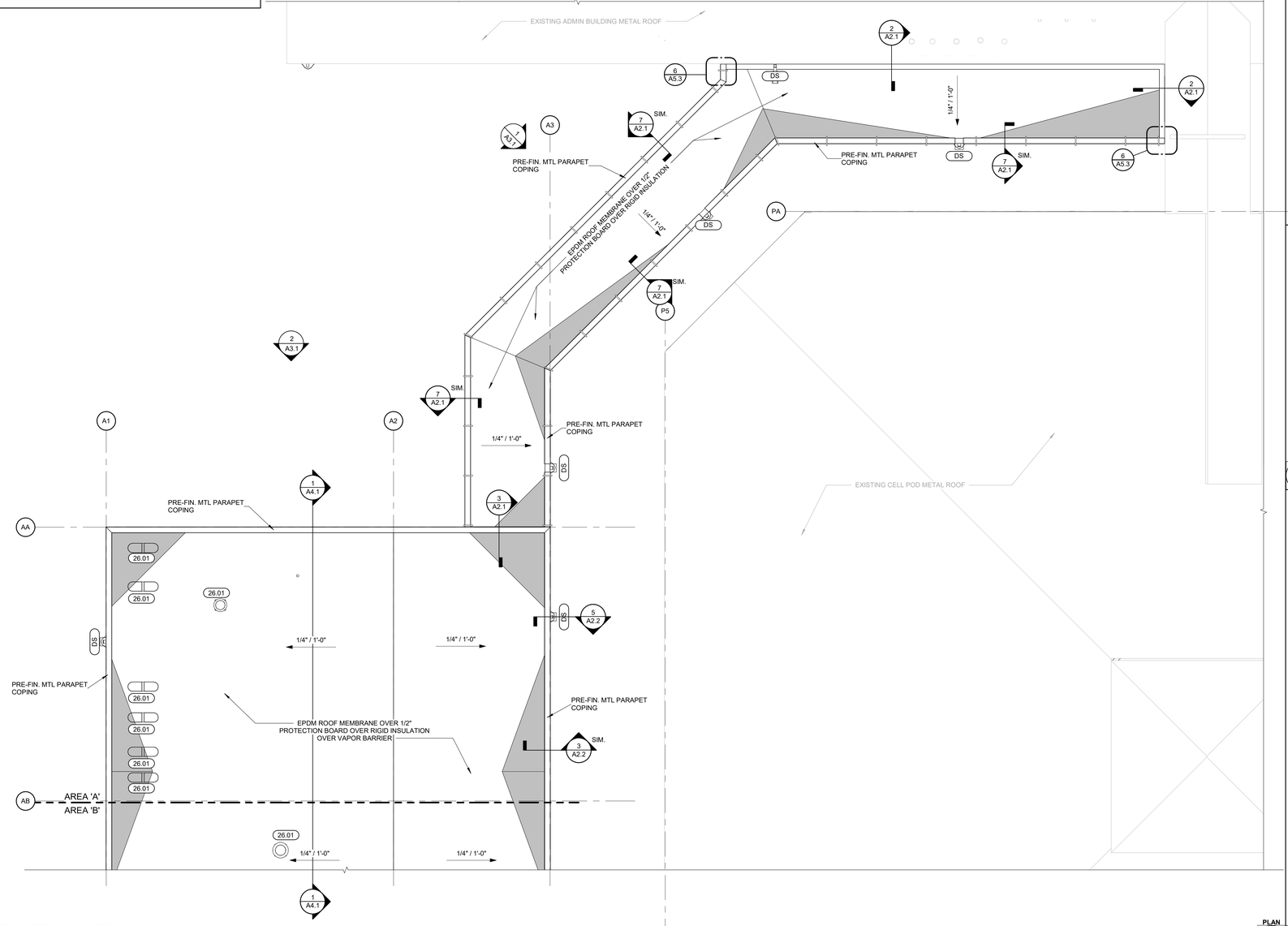
KEYNOTES (BY DIVISION)

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	##
5.01	EXPOSED STEEL STRUCTURE - HPC
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5.07	GALV. STEEL STAIR & LANDING
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DIVISION 08	
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26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

ROOF PLAN LEGEND

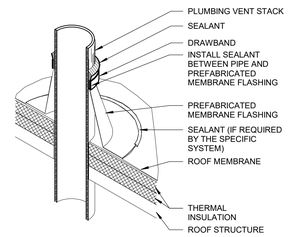
CRICKET/TAPERED INSULATION

SLOPE: 1/4" — INDICATES ROOF SLOPE



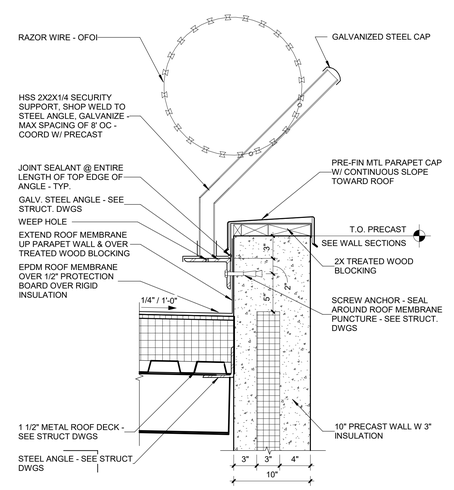
1 ROOF PLAN - AREA 'A'
SCALE: 1/8" = 1'-0"

0 4 8 16 — PLAN NORTH



NOTES:
1. VENT STACKS AND OTHER PIPES SHALL HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

6 TYPICAL PLUMBING VENT
SCALE: 1 1/2" = 1'-0"



NOTE: PROVIDE SUPPORT @ END OF WALLS FOR RAZOR WIRE TERMINATION

7 PARAPET DETAIL @ CONNECTOR - TYP
SCALE: 1 1/2" = 1'-0"

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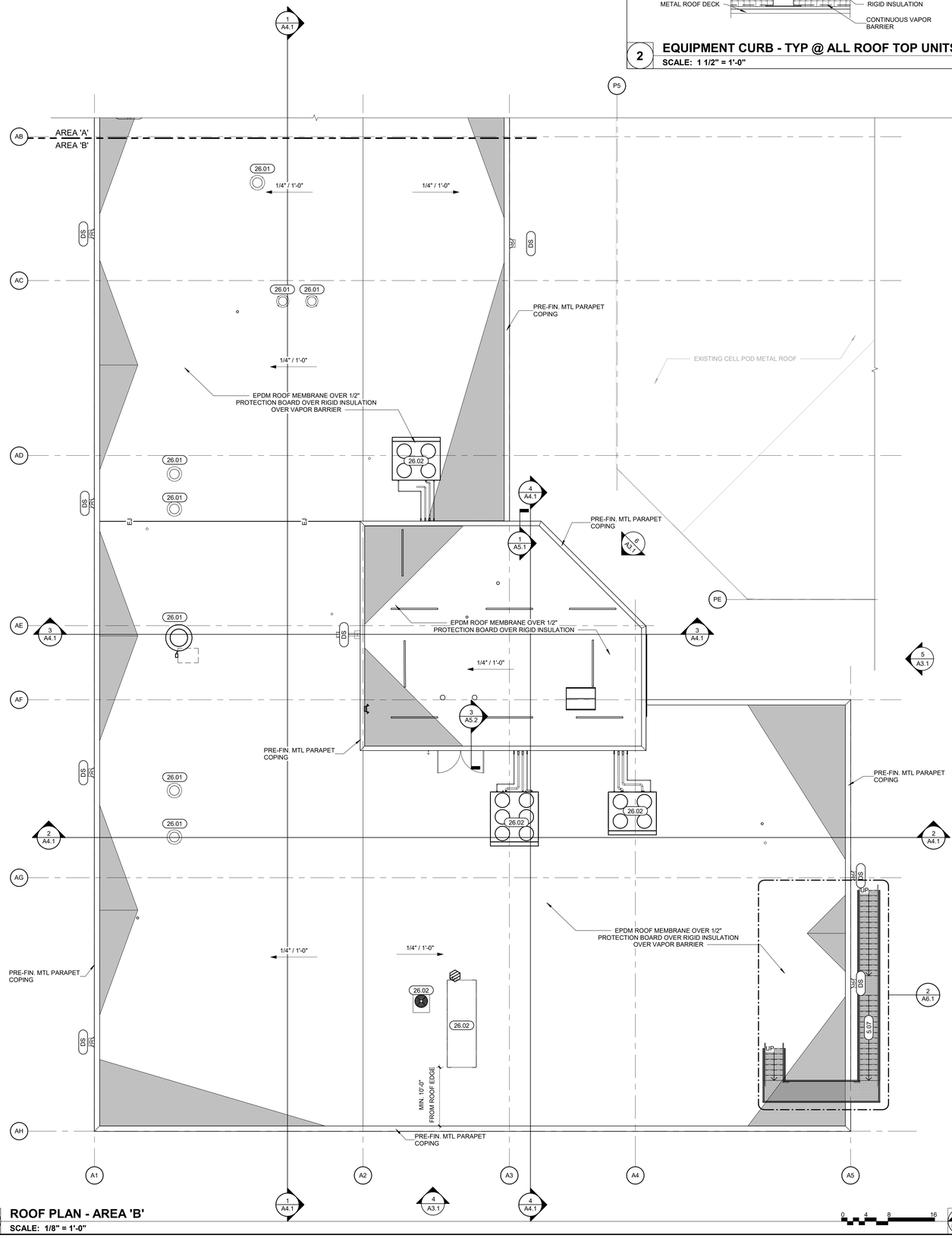
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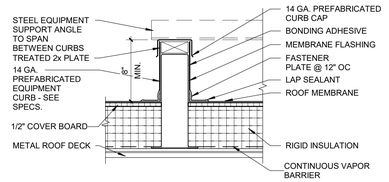
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PROJECT NO.: 0240202.00
RFB922300-02

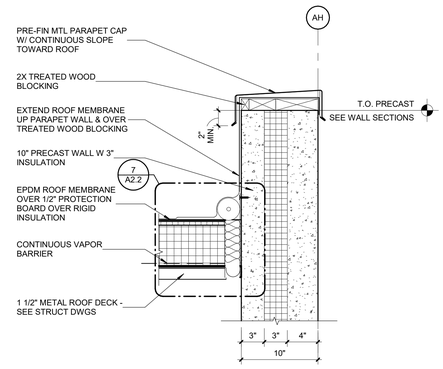
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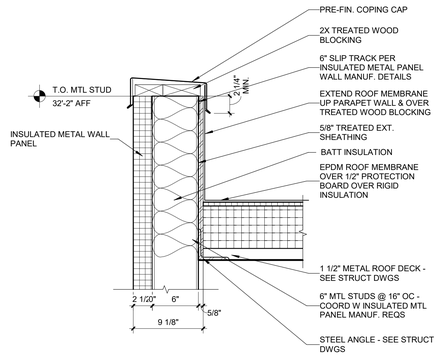
1 ROOF PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"



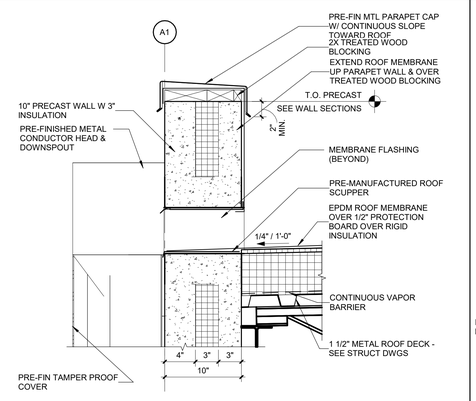
2 EQUIPMENT CURB - TYP @ ALL ROOF TOP UNITS
SCALE: 1 1/2" = 1'-0"



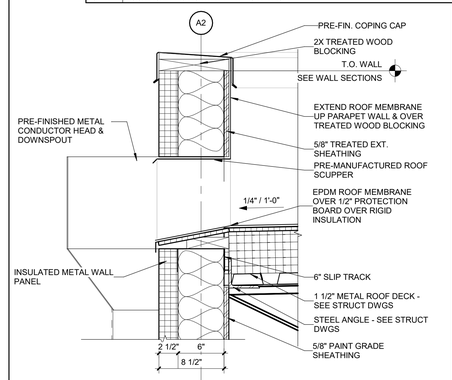
3 PARAPET DETAIL - TYP.
SCALE: 1 1/2" = 1'-0"



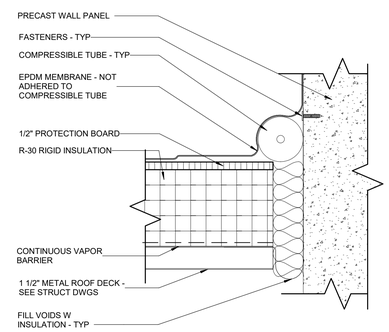
4 PENTHOUSE PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



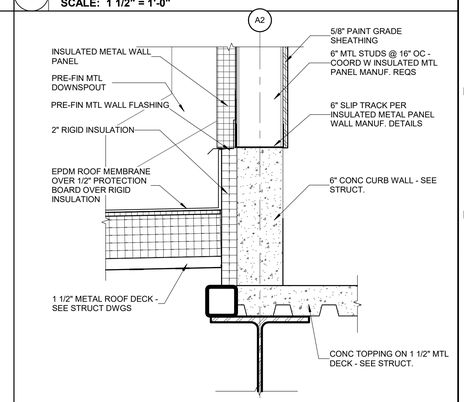
5 TYPICAL PARAPET SCUPPER DETAIL @ PRECAST
SCALE: 1 1/2" = 1'-0"



6 SCUPPER DETAIL @ METAL STUD WALL
SCALE: 1 1/2" = 1'-0"



7 ROOF TRANSITION DETAIL
SCALE: 3" = 1'-0"



8 ROOF TO PENTHOUSE WALL SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

ROOF GENERAL NOTES

A. ALL ROOF SURFACES TO SLOPE AT A MINIMUM 1/4" PER FOOT UNLESS OTHERWISE NOTED OR SHOWN. PROVIDE TAPERED INSULATION WHERE INDICATED OR REQUIRED TO PROVIDE POSITIVE DRAINAGE TO ROOF DRAINS AT A MINIMUM 1/4" PER FOOT. TAPERED INSULATION LAYOUT AS SHOWN IS TO COMMUNICATE GENERAL DRAIN STRATEGY - ACTUAL AMOUNT MAY VARY.

B. ALL ROOF AREAS MUST HAVE POSITIVE DRAINAGE UNLESS SHOWN OTHERWISE. NO PONDING OF WATER OVER 1/8" IN DEPTH WILL BE ACCEPTABLE AT ROOF DRAINS OR SCUPPERS.

C. COORDINATE ROOF DRAIN/SCUPPER LOCATIONS WITH PLUMBING & CIVIL DRAWING(S).

D. COORDINATE ALL ROOF PENETRATION REQUIREMENTS, INCLUDING THOSE THAT MAY NOT BE SHOWN, WITH ROOFING CONTRACTOR, AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

E. ALL ROOF PENETRATIONS TO BE IN COMPLIANCE WITH MANUFACTURER AND NRCA REQUIREMENTS.

F. ROOFING COMPONENTS MAY VARY DEPENDING ON ROOFING MANUFACTURER. CONTRACTOR SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.

G. ROOFING INSULATION THERMAL LETTER-VALUE AND CORRESPONDING R-VALUE MAY VARY DEPENDING ON INSULATION MANUFACTURER. ROOFING CONTRACTOR TO CONSULT INSULATION MANUFACTURERS WRITTEN DOCUMENTATION AND PROVIDE A ROOF INSULATION THICKNESS TO MEET OR EXCEED THE IECC REQUIREMENT.

H. PROVIDE MINIMUM 15'-0" CLEARANCE FROM ANY INTAKE FOR ALL EQUIPMENT AND VENT STACKS. ALERT DESIGN PROFESSIONAL OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

I. ONCE ROOF WORK BEGINS, THE CONTRACTOR IS ACCEPTING ALL CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION AND NEW WORK REQUIRED TO PROVIDE A WATERTIGHT ROOF SYSTEM.

J. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS, SCUPPERS, CONNECTOR HEADS AND DRAINS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

ROOF PLAN LEGEND

CRICKET/TAPERED INSULATION

SLOPE: 1/4" — INDICATES ROOF SLOPE

KEYNOTES (BY DIVISION) #.#

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	
5.01	EXPOSED STEEL STRUCTURE - HPC
5.02	EXPOSED STEEL STRUCTURE - PNT
5.03	TYP. 1" GAP BETWEEN CMU & COLUMN
5.04	CONC. UTILITY CURB - SEE DETAIL 3/FS401
5.06	GALV. STEEL COLUMN - SEE STRUCT.
5.07	GALV. STEEL STAIR & LANDING
DIVISION 07	
07.08	CONC. SPLASH BLOCK
DIVISION 08	
8.01	LOUVER OPENING - COORD W MECH INSTALLATION
DIVISION 11	
11.01	STEEL MESH SECURITY CAGING - ALT. 1
11.02	LAUNDY - WASHER-EXTRACTOR UNIT - ALT 1
11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
11.05	FOODSERVICE EQUIPMENT - EXTEND ABOVE CEILING - SEE FSE DWGS
11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
11.08	CHEMICAL DISPENSING SYSTEM - ALT 1
DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

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2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:

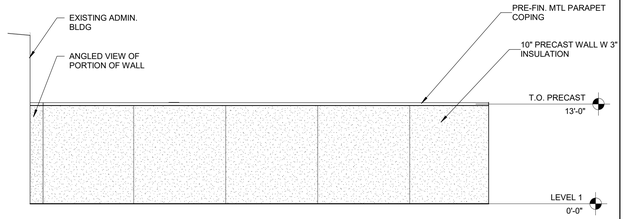
ROOF PLAN - AREA 'B'

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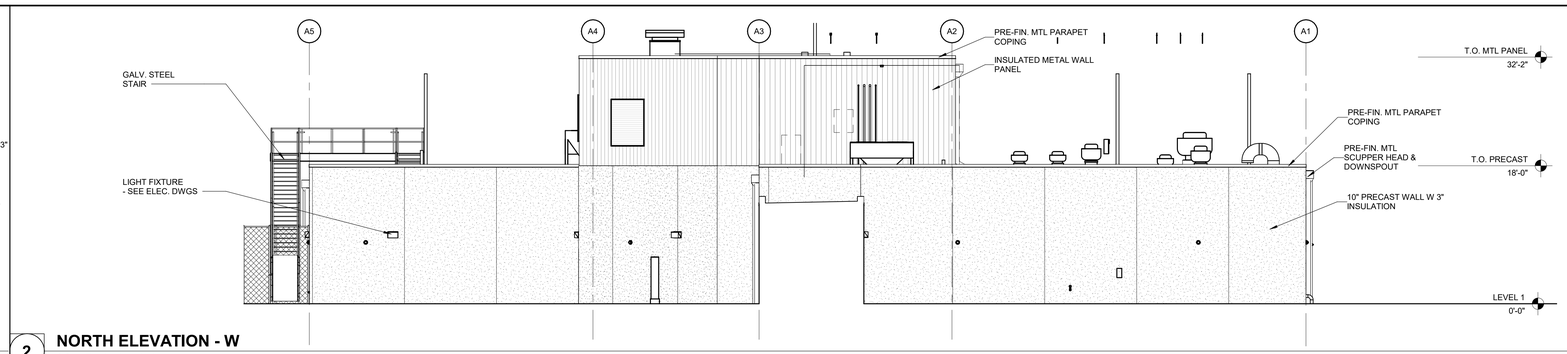
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PROJECT NO.: 0240202.00
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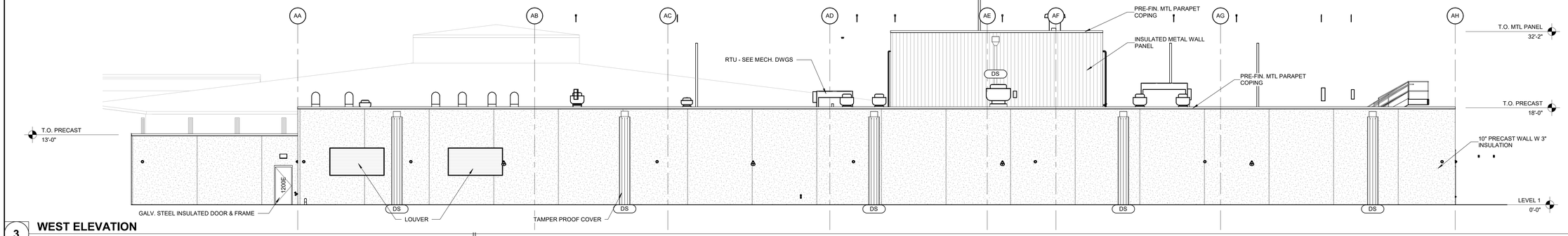
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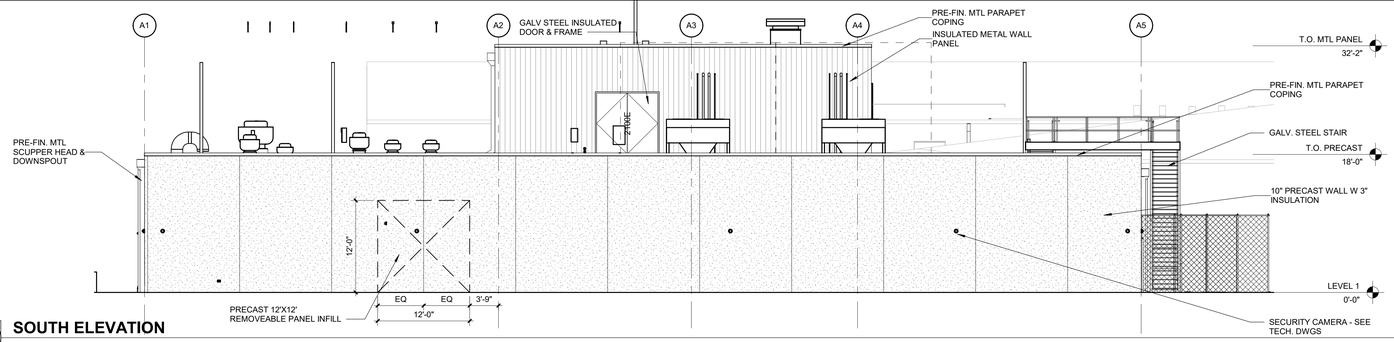
1 **NORTHWEST ELEVATION**
SCALE: 1/8" = 1'-0"



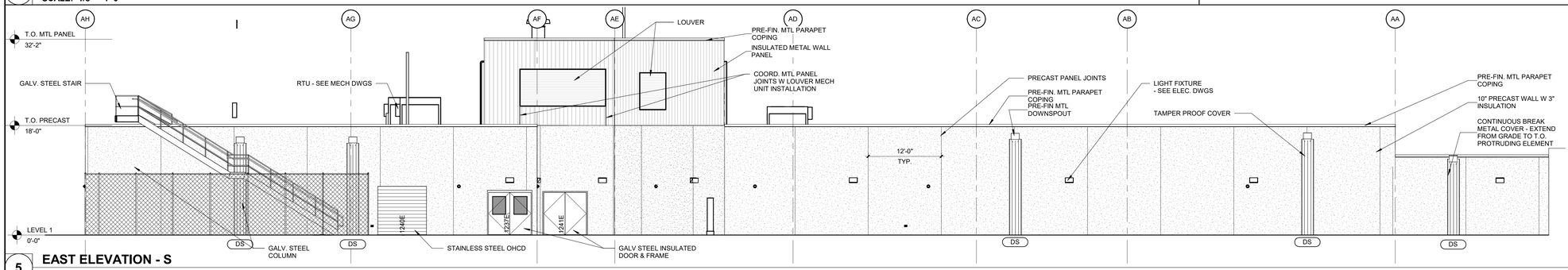
2 **NORTH ELEVATION - W**
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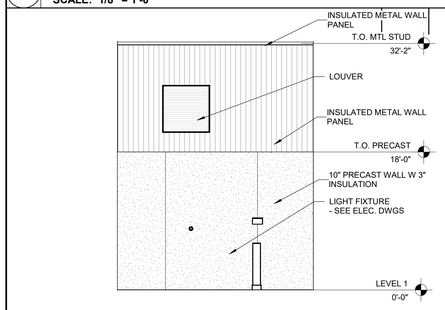
3 **WEST ELEVATION**
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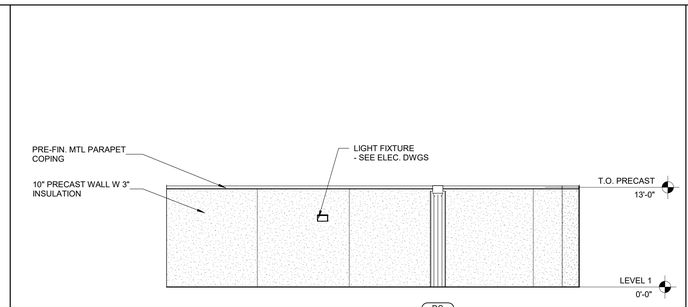
4 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



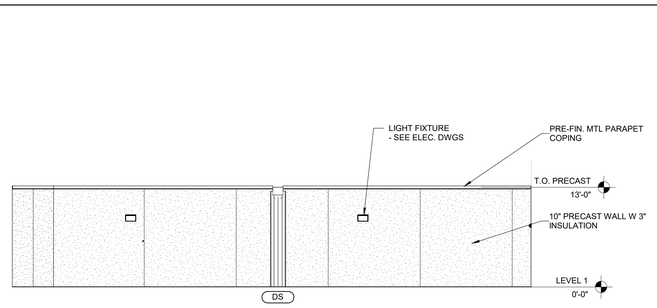
5 **EAST ELEVATION - S**
SCALE: 1/8" = 1'-0"



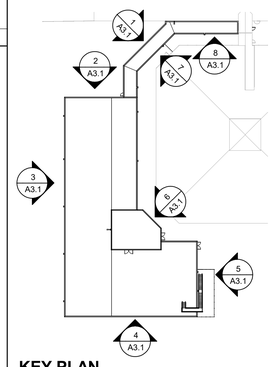
6 **SOUTHWEST ELEVATION**
SCALE: 1/8" = 1'-0"



7 **SOUTHEAST ELEVATION**
SCALE: 1/8" = 1'-0"



8 **SOUTH ELEVATION - CONNECTOR**
SCALE: 1/8" = 1'-0"



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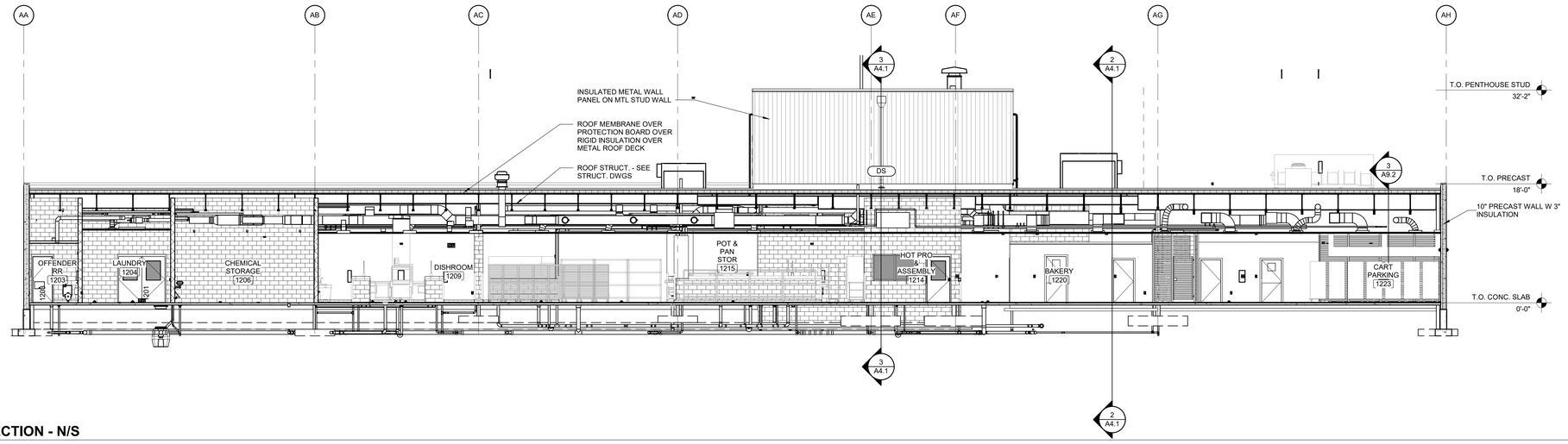
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EXTERIOR ELEVATIONS

SHEET NUMBER:
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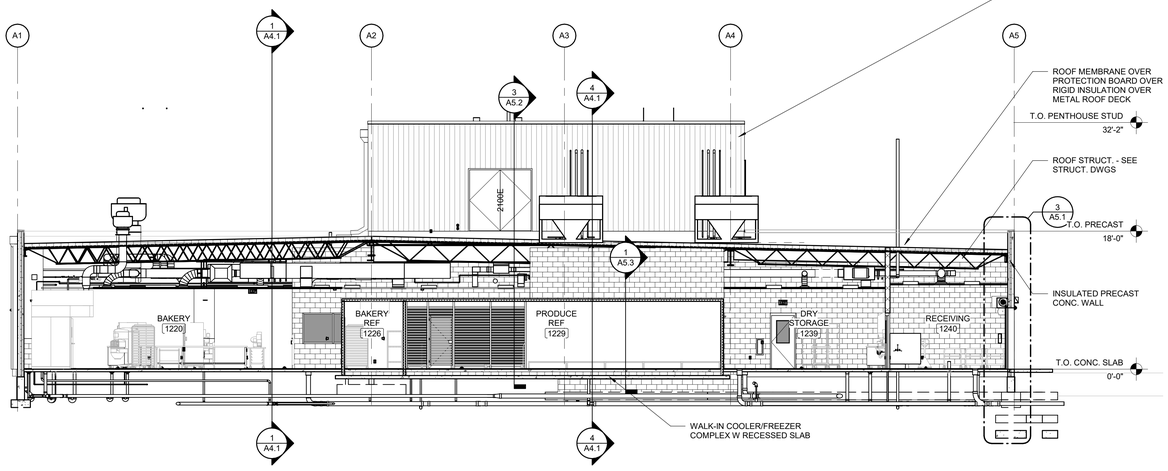
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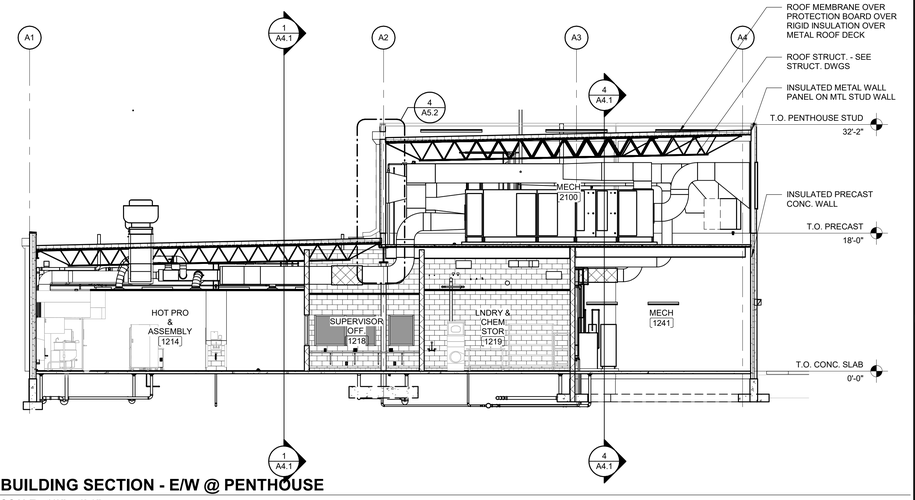
1 BUILDING SECTION - N/S

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



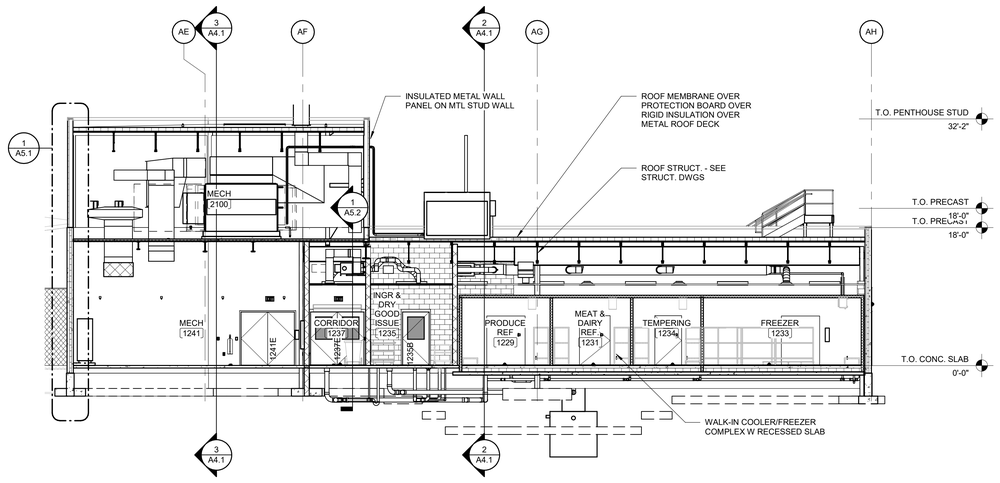
2 BUILDING SECTION - E/W @ WALK-INS

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



3 BUILDING SECTION - E/W @ PENTHOUSE

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



4 BUILDING SECTION - N/S @ PENTHOUSE

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

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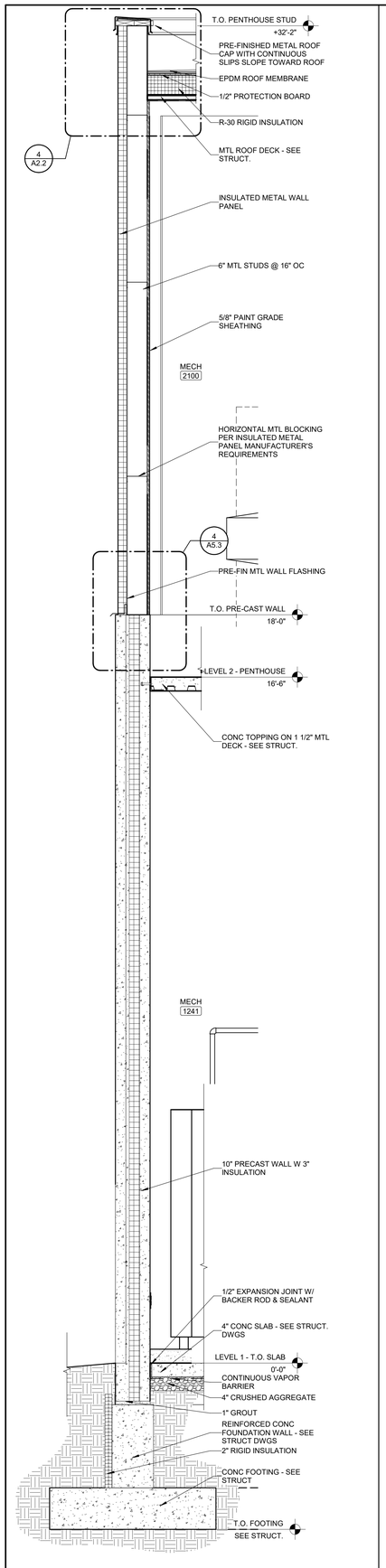
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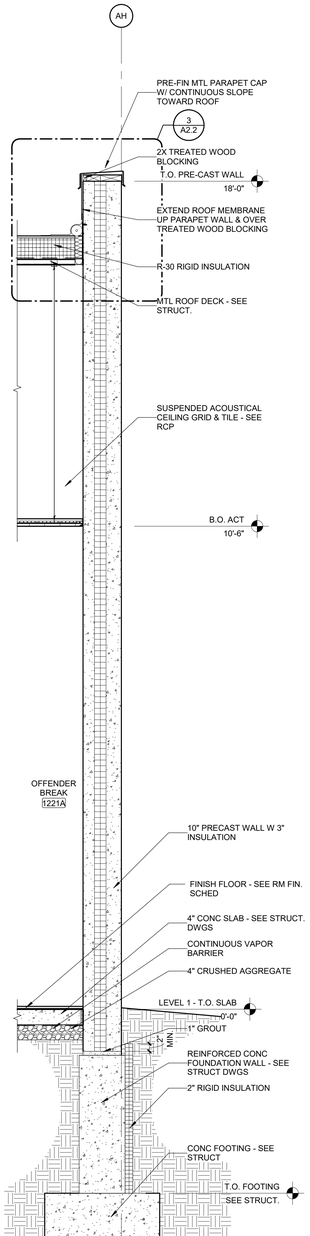
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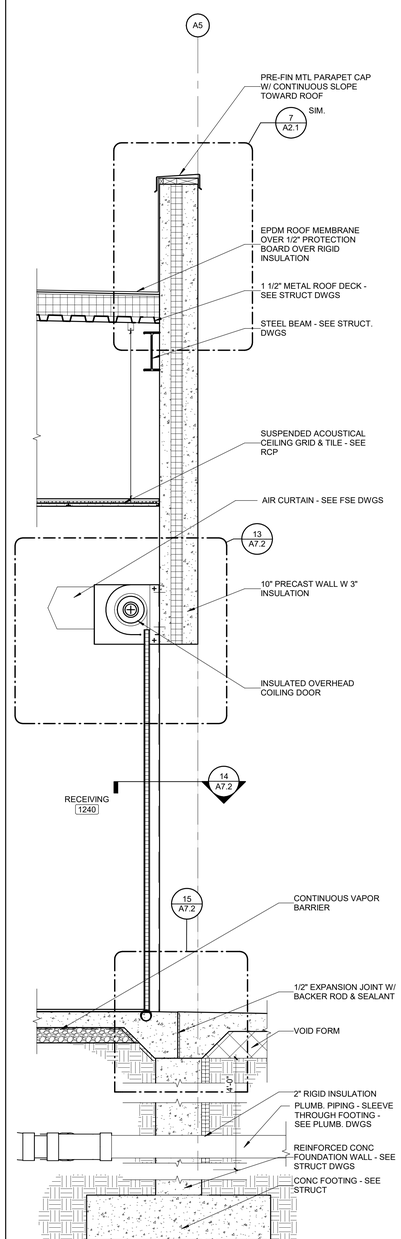
1 **PENTHOUSE WALL SECTION @ PRECAST**

SCALE: 3/4" = 1'-0"



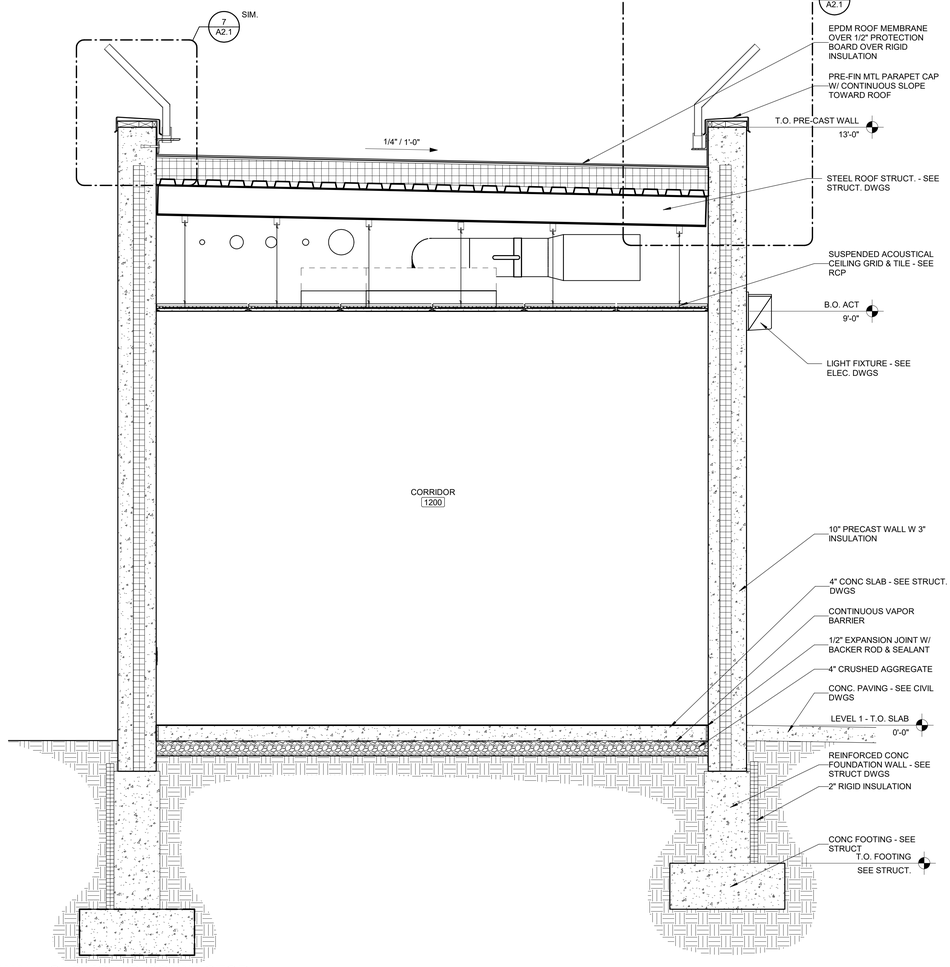
2 **PRECAST WALL - TYP.**

SCALE: 3/4" = 1'-0"



3 **WALL SECTION @ O.H. DOOR**

SCALE: 3/4" = 1'-0"



4 **WALL SECTION @ CONNECTOR**

SCALE: 3/4" = 1'-0"

2/2/2024 12:04:33 PM

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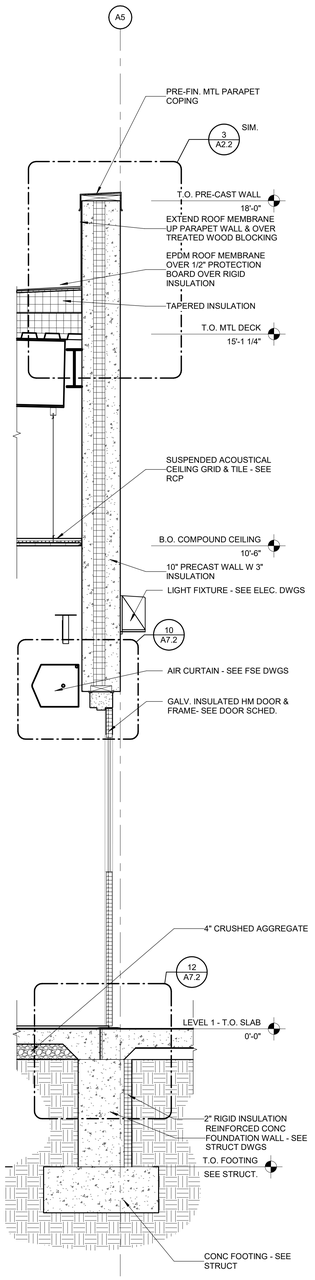
WALL SECTIONS

SHEET NUMBER:

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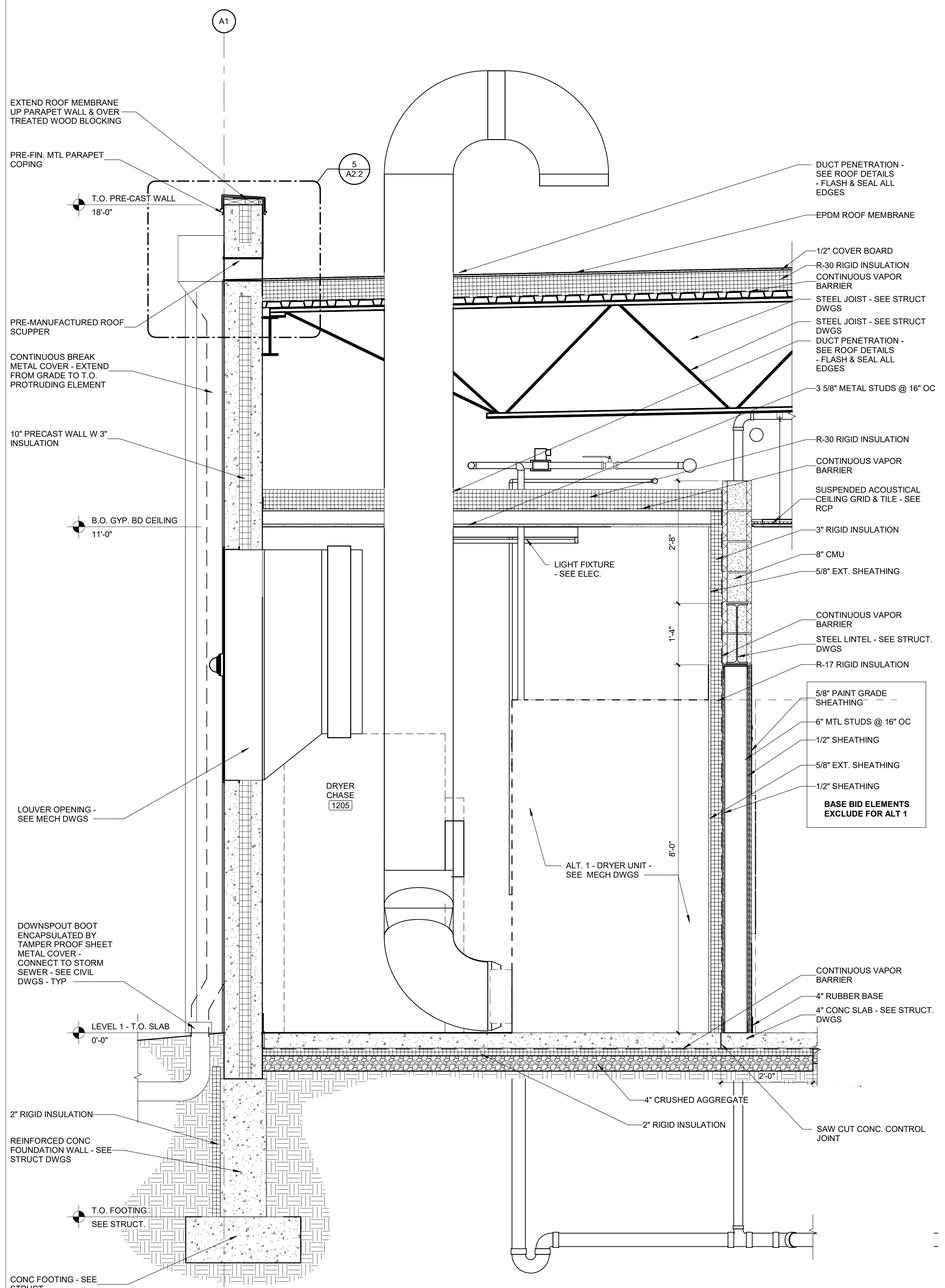
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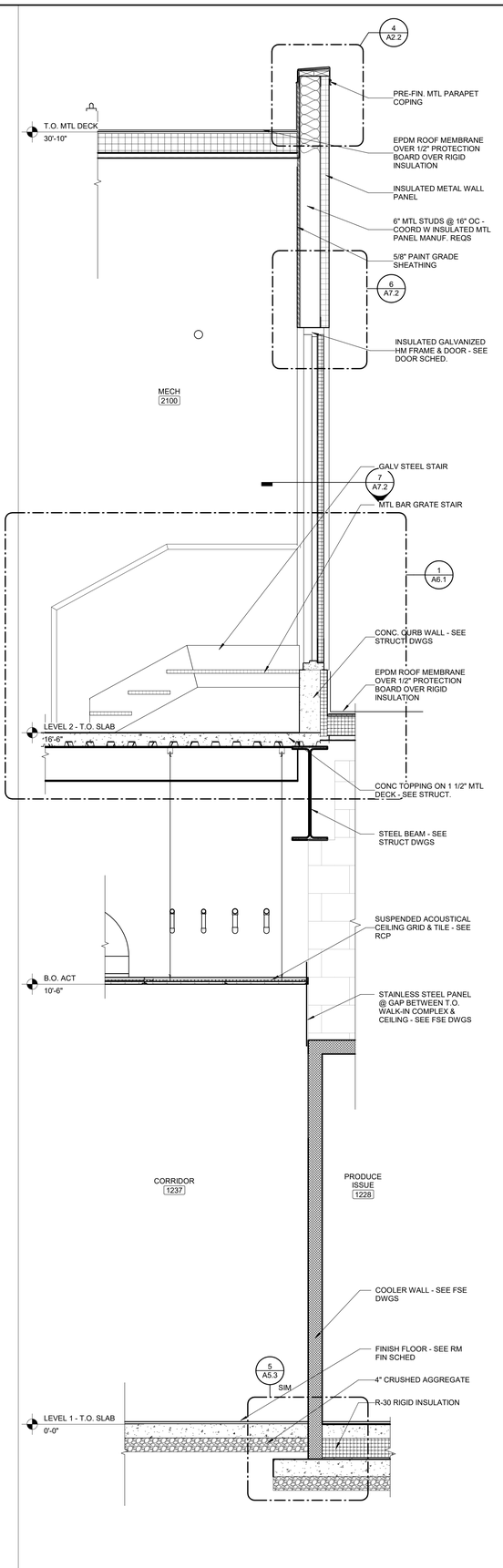
1 WALL SECTION @ MAN DOOR

SCALE: 3/4" = 1'-0"



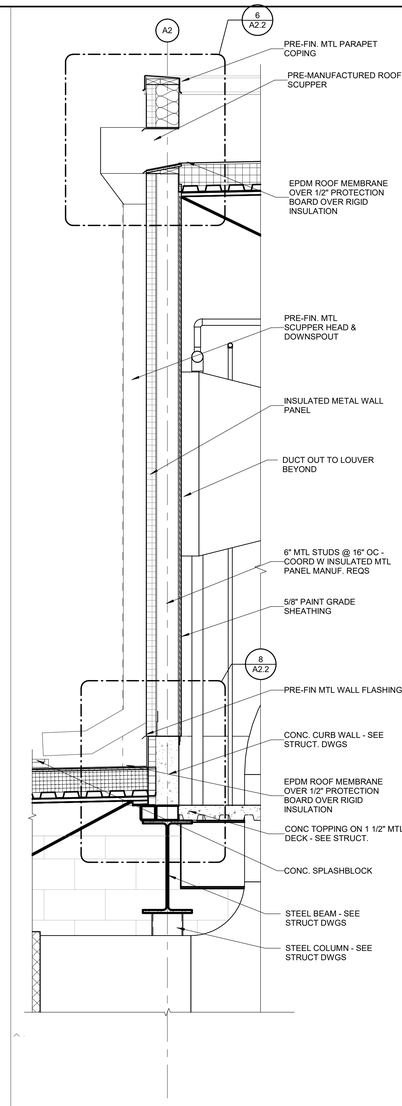
2 WALL SECTION @ DRYER CHASE

SCALE: 3/4" = 1'-0"



3 WALL SECTION @ PENTHOUSE DOOR

SCALE: 3/4" = 1'-0"



4 ROOF TO PENTHOUSE WALL SECTION

SCALE: 3/4" = 1'-0"

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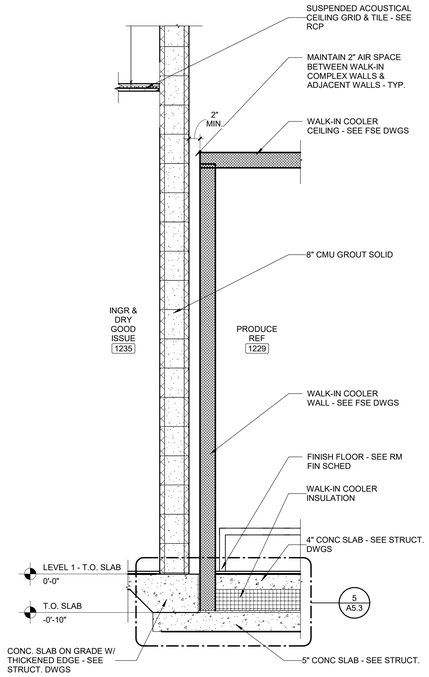
WALL SECTIONS

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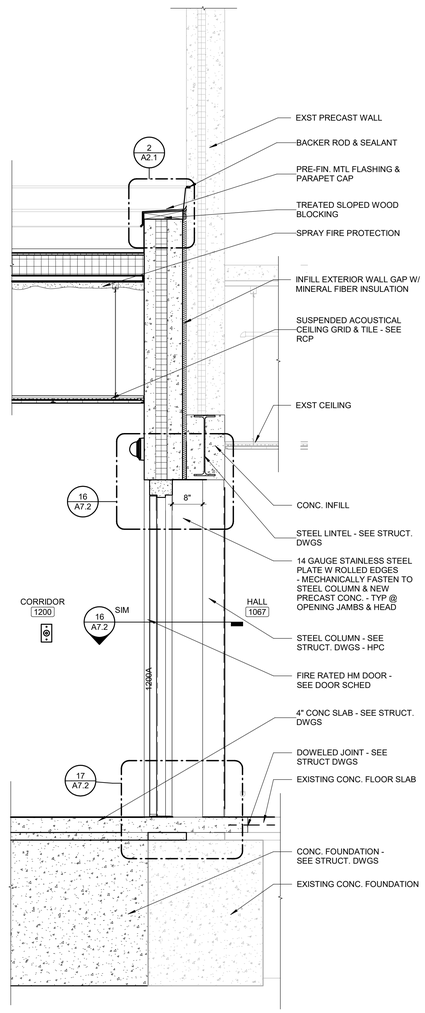
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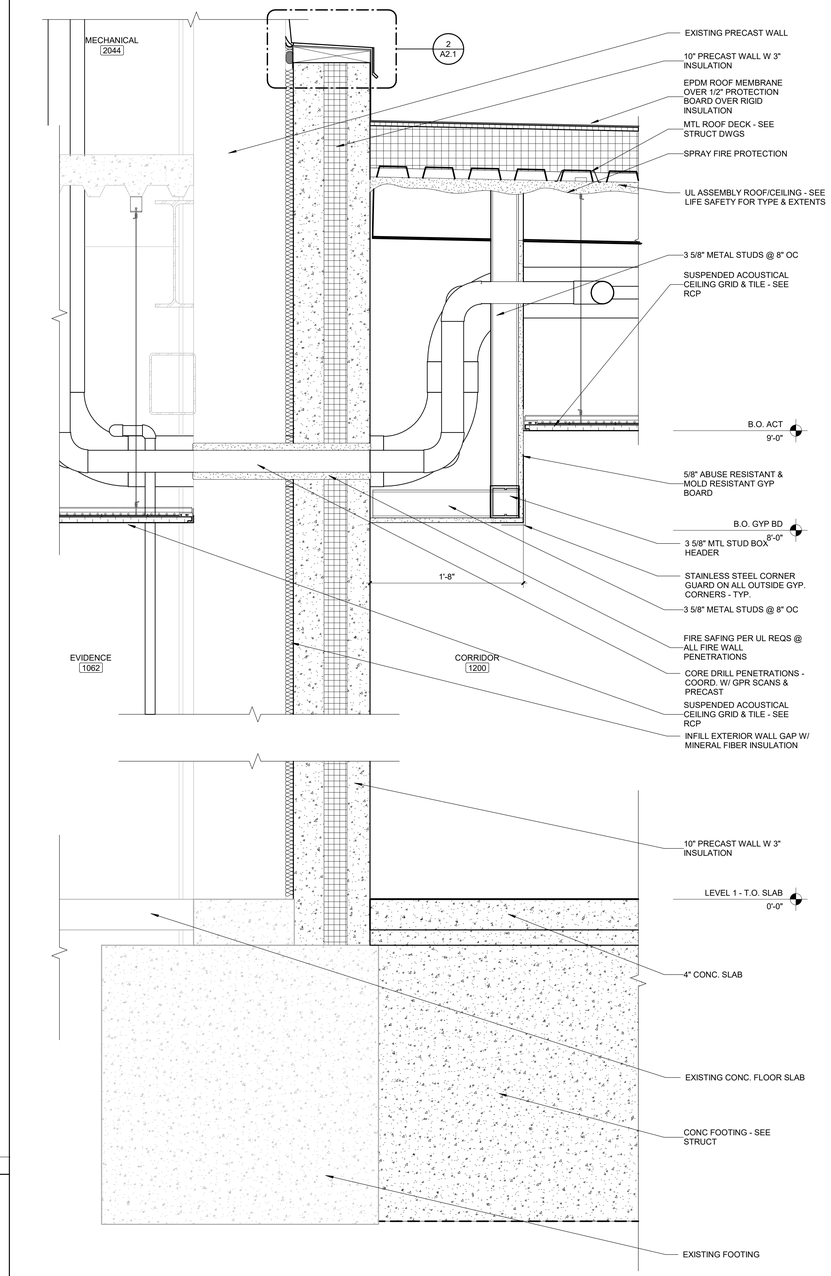
1 COOLER WALL @ CMU WALL CONDITION

SCALE: 3/4" = 1'-0"



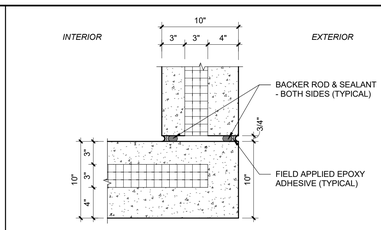
2 PRECAST OPENING @ CONNECTOR

SCALE: 3/4" = 1'-0"



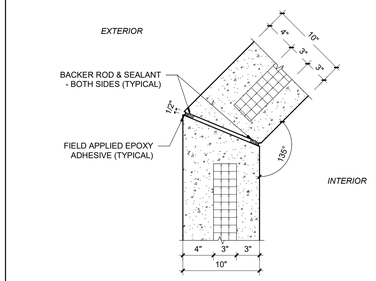
3 FIRE WALL CONNECTION TO EXST

SCALE: 1 1/2" = 1'-0"



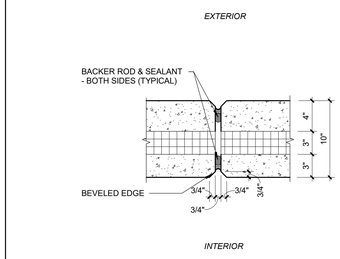
8 CORNER DETAIL

SCALE: 1 1/2" = 1'-0"



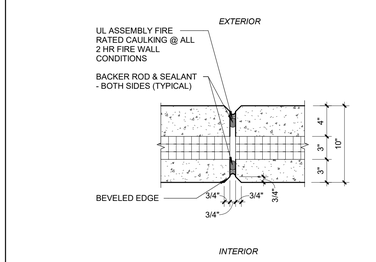
9 PANEL JOINT @ CORRIDOR

SCALE: 1 1/2" = 1'-0"



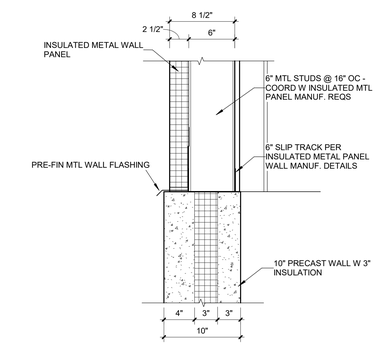
10 TYPICAL PANEL JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



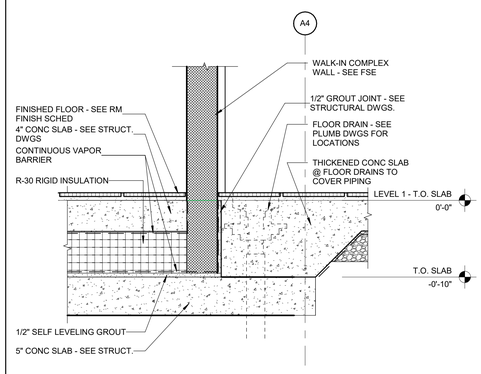
11 FIRE RATED PANEL JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



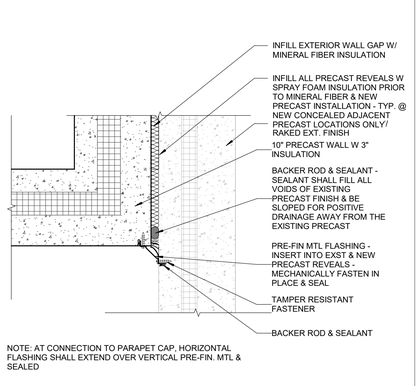
4 PENTHOUSE WALL TRANSITION

SCALE: 1 1/2" = 1'-0"



5 SECTION DETAIL @ RECESSED COOLER SLAB - TYP.

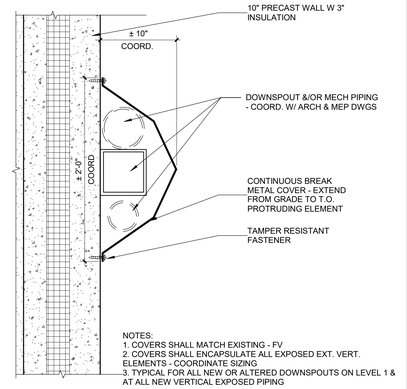
SCALE: 1 1/2" = 1'-0"



NOTE: AT CONNECTION TO PARAPET CAP, HORIZONTAL FLASHING SHALL EXTEND OVER VERTICAL PRE-FIN. MTL & SEALED

6 EXST TO NEW PRECAST WALL CONNECTION CAP

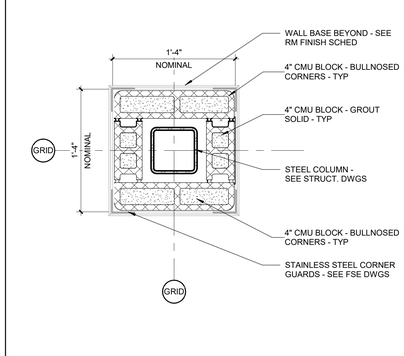
SCALE: 1 1/2" = 1'-0"



NOTES:
1. COVERS SHALL MATCH EXISTING - FV.
2. COVERS SHALL ENCAPSULATE ALL EXPOSED EXT. VERT. ELEMENTS - COORDINATE SIZING
3. TYPICAL FOR ALL NEW OR ALTERED DOWNSPOUTS ON LEVEL 1 & AT ALL NEW VERTICAL EXPOSED PIPING

7 EXT. VERT. VANDAL PROTECTION - TYP

SCALE: 1 1/2" = 1'-0"



12 COLUMN FURRING - TYP.

SCALE: 1 1/2" = 1'-0"

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ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:

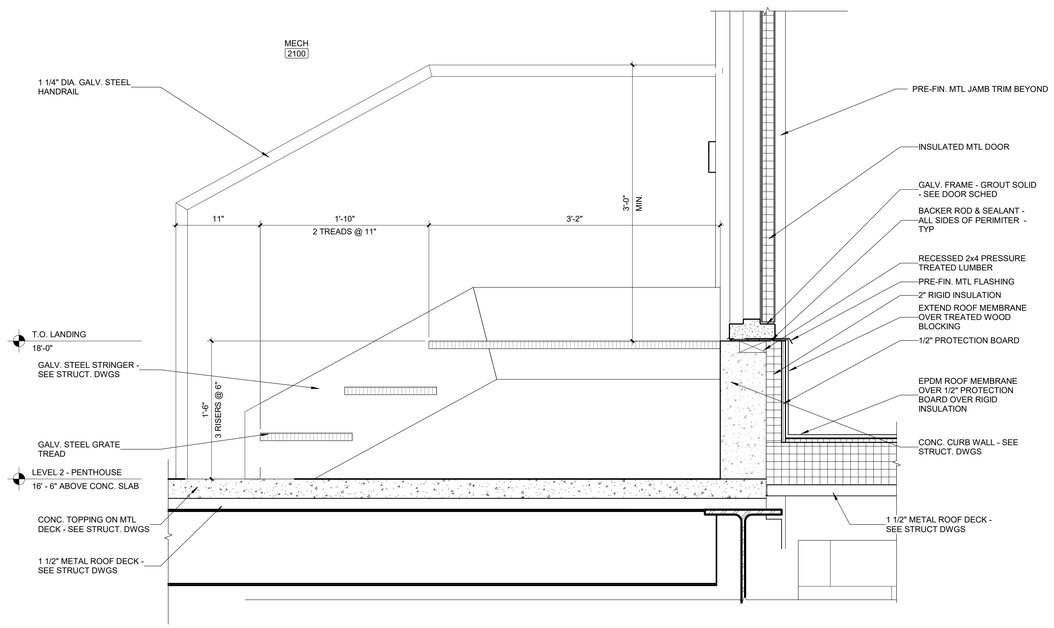
DETAILS

SHEET NUMBER:

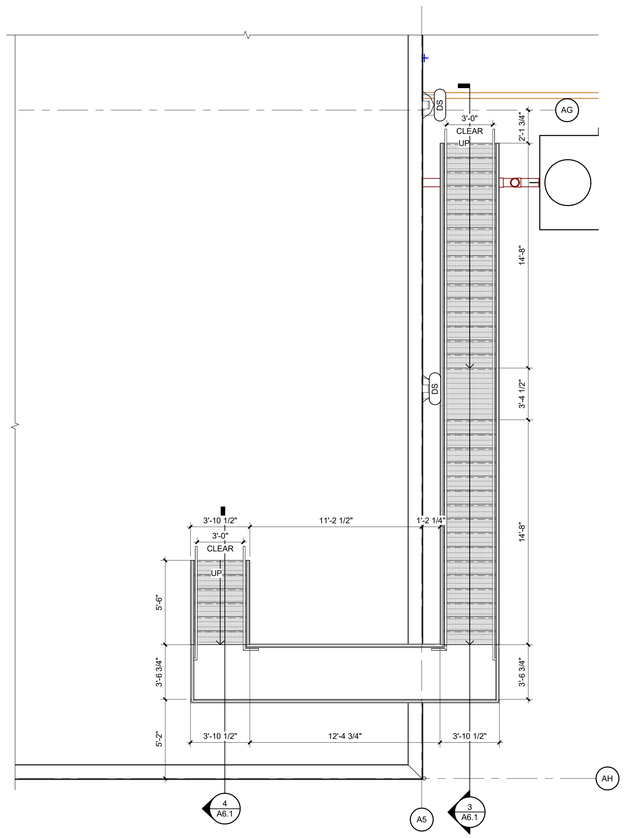
A5.3

PROJECT NO.: 0240202.00
RFB922300-02

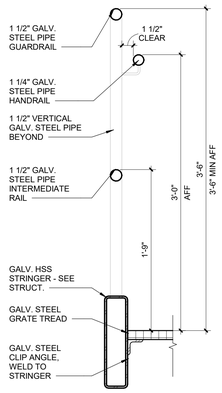
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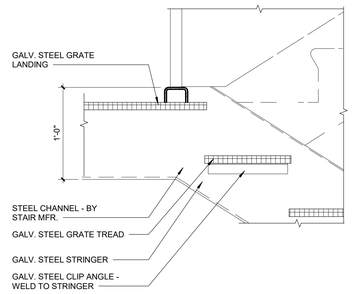
1 PENTHOUSE DOOR THRESHOLD
SCALE: 1 1/2" = 1'-0"



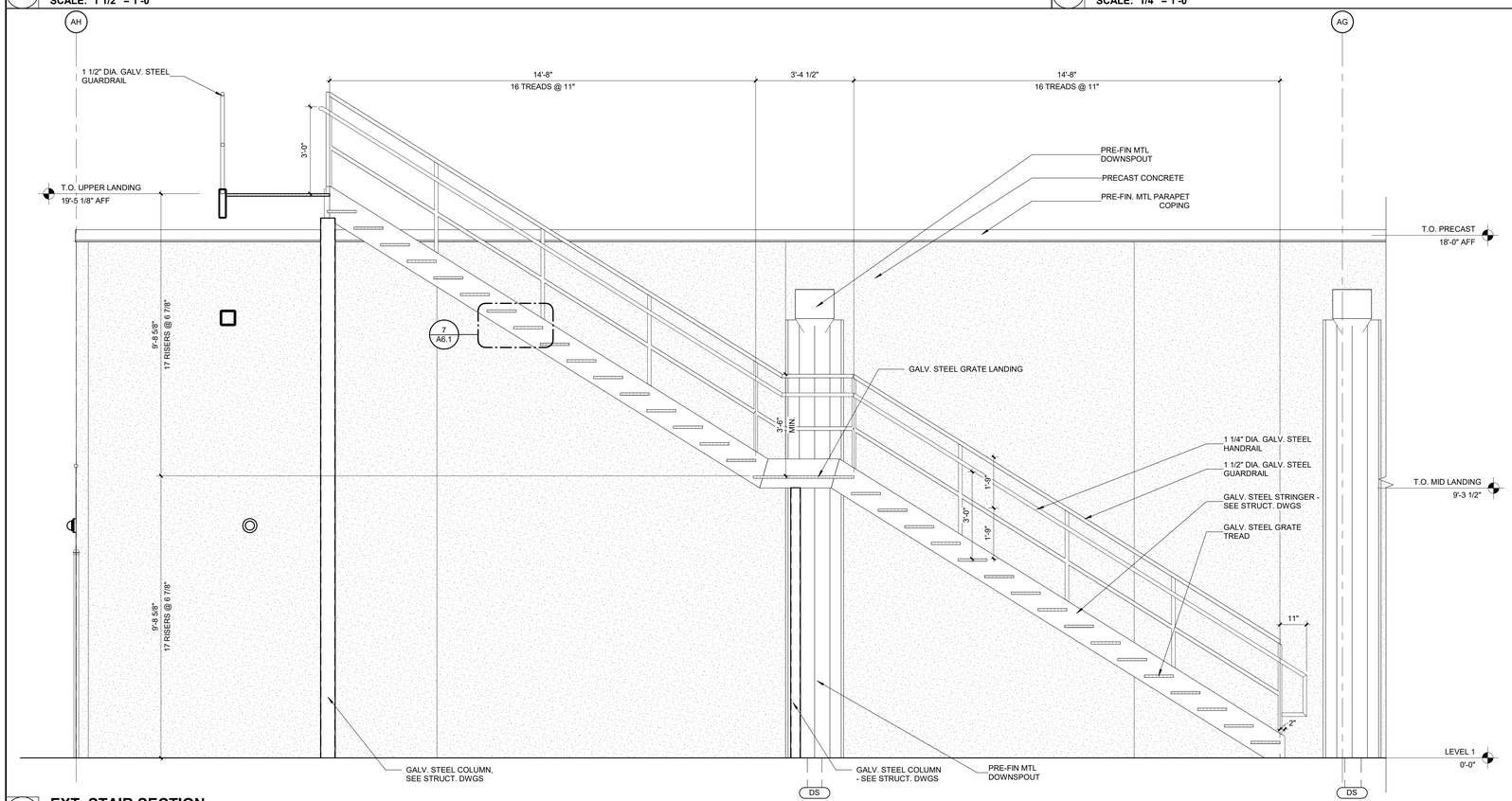
2 PENTHOUSE STAIR ENLARGED PLAN
SCALE: 1/4" = 1'-0"



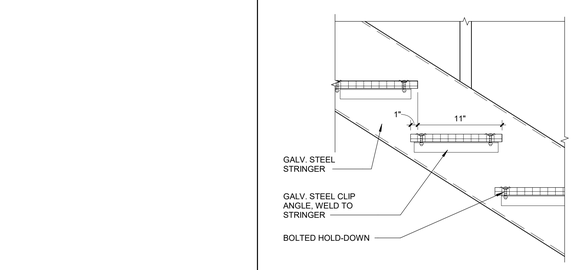
5 GUARDRAIL W/ HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



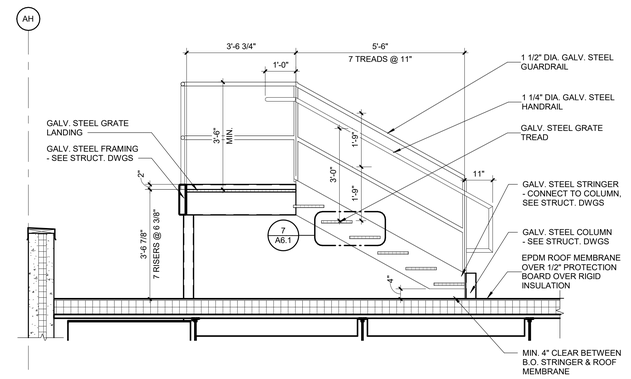
6 METAL PAN LANDING DETAIL
SCALE: 1 1/2" = 1'-0"



3 EXT. STAIR SECTION
SCALE: 1/2" = 1'-0"



7 METAL PAN DETAIL
SCALE: 1 1/2" = 1'-0"



4 EXT. STAIR SECTION ON ROOF
SCALE: 1/2" = 1'-0"

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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:
VERTICAL CIRCULATION PLANS, SECTIONS AND DETAILS

SHEET NUMBER:
A6.1

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:04:45 PM

PARTITION TYPE NOTES

A. AT ALL FIRE RATED SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES.

B. AT ALL SMOKE SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES TO LIMIT THE PASSAGE OF SMOKE.

C. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN A PLANE OF PARTITION OR CEILING, AT PARTITION RUNS THAT EXCEED 30'-0" IN LENGTH, CEILING DIMENSIONS THAT EXCEED 50' IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30' WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AT BUILDING EXPANSION OR CONTROL JOINTS. CONTROL JOINTS SHALL BE INSTALLED AT DOORS FROM OUTSIDE CORNER OF THE TOP OF DOOR JAMB TO ABOVE CEILING. REFER TO PUBLISHED CONTROL JOINT DETAILS IN GA 600-900 FIRE RESISTANCE DESIGN MANUAL.

D. CONTRACTOR SHALL PROVIDE ADDITIONAL MATERIALS TO MAINTAIN THE APPROPRIATE FIRE RATING WHERE CONTROL JOINTS ARE LOCATED IN FIRE-RATED PARTITIONS. INSTALLATION SHALL BE PER THE DETAILS SHOWN IN THE LATEST PUBLICATION OF THE USG CONSTRUCTION HANDBOOK, GYPSUM ASSOCIATION PUBLICATION OR UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

E. AT UL LISTED RATED ASSEMBLIES, THE CONTRACTOR IS TO VERIFY THE GYPSUM BOARD TYPE AND MANUFACTURER BASED ON THE WRITTEN DESCRIPTIONS FOR THE APPROPRIATE UL LISTED ASSEMBLY RATING SPECIFICATIONS FOUND IN THE LATEST EDITION OF THE UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY.

F. AT THE BASE AND HEAD OF ALL WALLS REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR OR THE STRUCTURE ABOVE MORE THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM WALL PANELS TO BE OFFSET MORE THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.

G. AT THE BASE OF ALL WALLS NOT REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM BOARD WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR GREATER THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM BOARD WALL PANELS TO BE INSTALLED WITH AN OFFSET GREATER THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.

H. PROVIDE RED ROSIN PAPER OR SIMILAR MATERIAL BETWEEN DISSIMILAR MATERIALS

I. PROVIDE 5/8" FIRE RATED MOISTURE RESISTANT/MOLD RESISTANT GYPSUM BOARD AT ALL LOCATIONS WHERE WATER PRODUCING DEVICES MAY BE PRESENT OR SPLASHED ONTO THE WALL SURFACE (I.E. WATER COOLERS, SINKS, LAVATORIES, HOSE BIBS, ETC.). EXTEND GYPSUM BOARD A MINIMUM OF 4'-0" IN ALL DIRECTIONS FROM CENTER OF DEVICE.

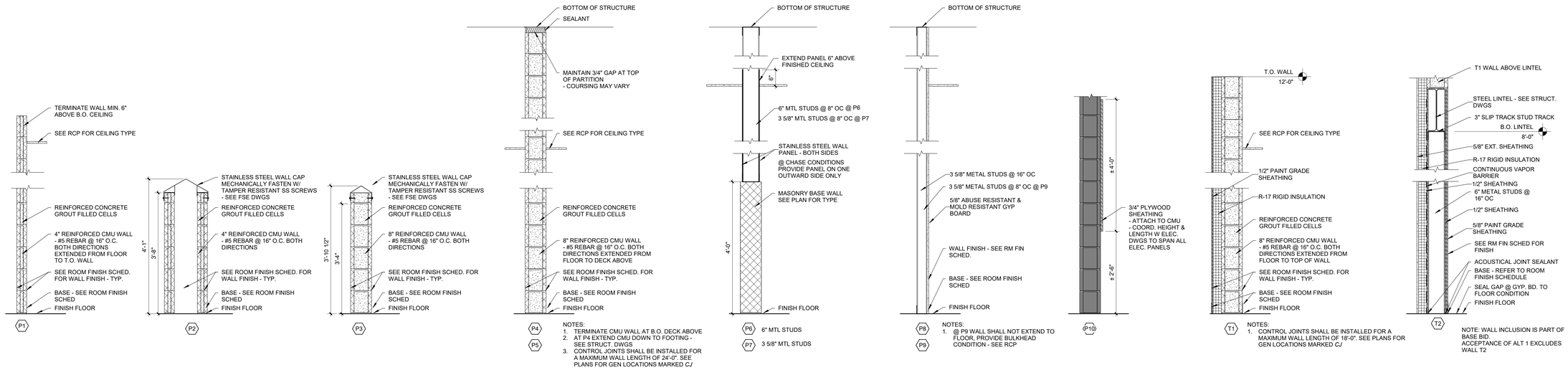
J. EXTEND FIRE RATED PARTITIONS, BARRIERS AND OTHER SEPARATIONS TO BOTTOM OF ROOF DECK ABOVE AND TO EXTERIOR WALL. EXTEND GYPSUM BOARD TO FURTHEST EXTENT POSSIBLE AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

K. PROVIDE CONTINUOUS STIFFENER CHANNELS AT 4'-0" MAXIMUM VERTICAL SPACING, TYPICAL. ALSO PROVIDE AT MIDPOINT BETWEEN BOTTOM OF STRUCTURE AND HEAD OF INTERIOR WINDOWS AND DOORS AS WELL AS HINGE MIDPOINT AT DOORS. IF DOOR OPENING IS OVER 4'-0" LONG, PROVIDE STIFFENER CHANNELS AT ALL HINGE POINTS FOR MINIMUM OF 2 STUD SPACES HORIZONTALLY.

L. AT ALL INTERSECTIONS WITH CEILINGS, PROVIDE METAL STUD FIRE BLOCKING AT NO GREATER THAN 8'-0" APART AND AS REQUIRED BY THE FIRE RATED ASSEMBLY.

M. ON FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, PROVIDE EFFECTIVE AND PERMANENT IDENTIFICATION WITH SIGNS OR STENCILING AS REQUIRED BY CODE.

N. ALL SIZES AND INSTANCES OF CMU OUTSIDE OR EXPOSED CORNERS SHALL BE BULLNOSED.



1 **PARTITION TYPES**
SCALE: 3/4" = 1'-0"

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2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
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REVIEWED:	BR

SHEET TITLE:
PARTITION TYPES

SHEET NUMBER:
A7.1

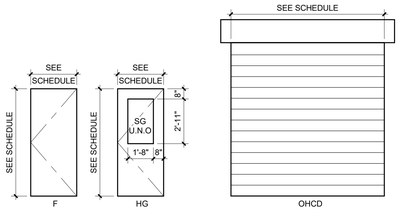
PROJECT NO.: 0240202.00
RFB922300-02

DOOR SCHEDULE

DOOR NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR MAT'L	DOOR FINISH	DOOR ELEV	FRAME MAT'L	FRAME FINISH	FRAME ELEV	HEAD DETAIL NO.	JAMB DETAIL NO.	THRESH DETAIL NO.	LBL (MINUTES)	HDWR SET	NOTES
LEVEL 1															
1199E	3' - 0"	7' - 0"	2"	DHM	HPC	F	HM	HPC	2	10	11	12		DE-04/ 13.0	NOTE 4
1200A	7' - 0"	7' - 0"	2"	DHM	HPC	HG	HM	HPC	2	16	16	17	120	DE-06/ 15.0	NOTE 1
1200B	7' - 0"	7' - 0"	2"	DHM	HPC	HG	HM	HPC	2	4	5	--		DE-01/ 16.0	
1200E	3' - 0"	7' - 0"	2"	DHM	HPC	F	IHM	HPC	2	10	11	12		DE-04 / 13.0	NOTE 4
1201	7' - 0"	7' - 0"	2"	DHM	HPC	HG	HM	HPC	2	4	5	--		DE-02/ 16.0	
1203	3' - 0"	7' - 0"	1 3/4"	HM	HPC	F	HM	HPC	2	4	5	--		3.0	
1205	3' - 0"	7' - 0"	1 3/4"	IHM	HPC	F	IHM	HPC	2	8	8	9		5.0	
1206	3' - 6"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		6.0	
1207	6' - 0"	7' - 0"	1 3/4"	HM	HPC	F	HM	HPC	2	4	5	--		2.0	
1208	7' - 0"	7' - 0"	2"	DHM	HPC	HG	HM	HPC	2	4	5	--		DE-02/ 16.0	
1211	3' - 0"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		11.0	
1212	3' - 0"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		11.0	
1213	3' - 0"	7' - 0"	1 3/4"	HM	HPC	F	HM	HPC	2	4	5	--		10.0	
1218	3' - 6"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		12.0	
1219	3' - 6"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		8.0	
1221	3' - 0"	7' - 0"	1 3/4"	HM	HPC	F	HM	HPC	2	4	5	--		3.0	
1222	3' - 0"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		3.0	
1235A	3' - 6"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		9.0	
1235B	3' - 6"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		7.0	
1237E	7' - 0"	7' - 0"	2"	DHM	HPC	HG	IHM	HPC	1	10	11	12		DE-03 / 13.0	NOTE 2, 4
1238	3' - 0"	7' - 0"	1 3/4"	HM	HPC	HG	HM	HPC	2	4	5	--		4.0	
1240	6' - 0"	7' - 0"	2"	DHM	HPC	HG	HM	HPC	2	4	5	--		DE-02/ 16.0	
1240E	8' - 0"	8' - 0"	3"	ISS	FF	OHCD	ISS	FF	OHCD	13	14	15		DE-05 / 14.0	
1241E	7' - 0"	7' - 0"	1 3/4"	IHM	HPC	F	IHM	HPC	2	10	11	12		1.0	NOTE 4
LEVEL 2															
2100E	8' - 0"	8' - 0"	1 3/4"	IHM	HPC	F	IHM	HPC	1	6	7	7/A6.1		1.0	NOTE 4

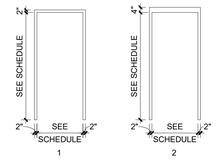
DHM= DETENTION HOLLOW METAL
EXIST= EXISTING
FF= FACTORY FINISHED
HM= HOLLOW METAL
HPC= HIGH PERFORMANCE COATING
IHM= INSULATED HOLLOW METAL
ISS= INSULATED STAINLESS STEEL
OHCD= OVERHEAD COILING DOOR
PNT= PAINT

NOTES:
1. PROVIDE FIRE RATED GLAZING
2. PROVIDE IG-1 GLAZING
3. NOT USED
4. ALL EXTERIOR HM DOORS & FRAMES SHALL BE GALVANIZED & INSULATED

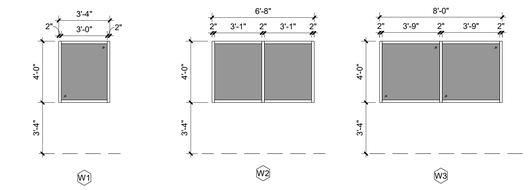


NOTES:
- PROVIDE FIRE-RATED GLASS AT FIRE RATED CONDITIONS
- ALL EXTERIOR GLASS SHALL BE INSULATED
- ALL GLASS SHALL BE LAMINATED

1 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



2 FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



NOTES:
1. ALL INTERIOR GLASS SHALL BE CLEAR SAFETY GLASS UNLESS NOTED OTHERWISE.
2. ALL GLASS IN DOORS, SIDELIGHTS SHALL BE SAFETY GLAZING.
3. ALL EXTERIOR GLASS SHALL BE INSULATED.
4. SIZES SHOWN ARE NOMINAL - CONTRACTOR SHALL DETERMINE CLEARANCES REQUIRED FOR JOINTS, ETC.

GLAZING SCHEDULE:

IG	INSULATED SAFETY & SECURITY GLAZING
FRG	FIRE RATED SAFETY GLAZING
SG	LAMINATED SAFETY & SECURITY GLAZING

3 HM FRAME WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	NAME	FLOOR	BASE	WALLS EAST MAT'L	WALLS EAST FIN	WALLS NORTH MAT'L	WALLS NORTH FIN	WALLS SOUTH MAT'L	WALLS SOUTH FIN	WALLS WEST MAT'L	WALLS WEST FIN	CEILING FIN	HEIGHT	NOTES
LEVEL 1														
1200	CORRIDOR	SC	RB	PRECAST	HPC	PRECAST	HPC	PRECAST/CMU	HPC	PRECAST/ CMU	HPC	ACT-1	9' - 0"	
1201	PASSAGE	SC	RB	CMU	HPC	--	--	CMU	HPC	--	--	ACT-1	10' - 0"	
1202	FOLDING	SC	RB	CMU	HPC	PRECAST	HPC	--	--	CMU	HPC	ACT-1	11' - 0"	
1203	OFFENDER RR	SC	RB	CMU	HPC	PRECAST	HPC	CMU	HPC	CMU	HPC	M/ARGB	9' - 0"	NOTE 1
1204	LAUNDRY	SC	RB	CMU	HPC	PRECAST	HPC	CMU	HPC	CMU	HPC	ACT-1	11' - 0"	
1205	DRYER CHASE	SC	RB	EXT SH	HPC	PRECAST	HPC	EXT SH	HPC	PRECAST	HPC	EXT SH	11' - 0"	
1206	CHEMICAL STORAGE	SC	RB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	EXPS	12' - 0"	NOTE 2
1207	ELEC.	SC	RB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	EXPS	12' - 0"	NOTE 2
1208	PASSAGE	QT	QTCB	PRECAST	HPC	CMU	HPC	--	--	--	--	ACT-2	10' - 6"	
1209	DISHROOM	QT	QTCB	CMU	HPC	CMU	HPC	CMU	HPC	PRECAST/ CMU	HPC	ACT-2	10' - 6"	
1210	CART WASH	QT	QTCB	PRECAST	HPC	--	--	CMU/ SST	HPC/ FF	CMU	HPC	ACT-2	10' - 6"	
1211	DIRECTOR OFF	QT	QTCB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	ACT-2	10' - 0"	
1212	STAFF BREAK RM	QT	QTCB/RB	CMU	HPC	CMU	HPC	CMU	HPC	PRECAST/ M/ARGB	HPC	ACT-2	10' - 0"	
1213	STAFF RR	QT	QTCB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	M/ARGB	9' - 0"	NOTE 1
1214	HOT PRO & ASSEMBLY	QT	QTCB	CMU	HPC	CMU	HPC	--	--	PRECAST	HPC	ACT-2	10' - 6"	
1215	POT & PAN STOR	QT	QTCB	CMU/ SST	HPC/ FF	--	--	--	--	--	--	ACT-2	10' - 6"	
1216	POT & PAN WASH	QT	QTCB	--	--	--	--	--	--	CMU/ SST	HPC/ FF	ACT-2	10' - 6"	
1217	COLD PRO & ASSEMBLY	QT	QTCB	PRECAST/ CMU	HPC	--	--	CMU	HPC	--	--	ACT-2	10' - 6"	
1218	SUPERVISOR OFF.	QT	QTCB/RB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	ACT-2	10' - 0"	
1219	LNDRY & CHEM STOR	QT	QTCB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	ACT-2	10' - 6"	
1220	BAKERY	QT	QTCB	PIP	FF	--	--	--	--	PRECAST/ CMU	HPC	ACT-2	10' - 6"	
1221	OFFENDER RR	QT	QTCB	CMU	HPC	CMU	HPC	PRECAST	HPC	PRECAST	HPC	M/ARGB	9' - 0"	NOTE 1
1221A	OFFENDER BREAK	QT	QTCB	--	--	--	--	PRECAST/ CMU	HPC	PRECAST/ CMU	HPC	ACT-2	10' - 6"	
1222	JAN	QT	QTCB	CMU	HPC	CMU	HPC	PRECAST	HPC	CMU	HPC	ACT-2	9' - 0"	
1223	CART PARKING	QT	QTCB	MC	FF	--	--	PRECAST	HPC	--	--	ACT-2	10' - 6"	
1224	STOR	QT	QTCB	PIP	FF	MC	FF	PRECAST/ CMU	HPC	MC	FF	ACT-2	10' - 6"	
1225	TOOL CONTROL	QT	QTCB	CMU	HPC	CMU	HPC	MC	FF	MC	FF	ACT-2	10' - 6"	
1226	BAKERY REF	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1227	BAKERY FRZR	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1228	PRODUCE ISSUE	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1229	PRODUCE REF	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1230	MEAT & DAIRY ISSUE	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1231	MEAT & DAIRY REF.	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1232	FRZR ISSUE	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1233	FREEZER	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1234	TEMPERING	QT	QTCB	PIP	FF	PIP	FF	PIP	FF	PIP	FF	PIP	10' - 0"	
1235	INGR & DRY GOOD ISSUE	QT	QTCB	CMU	HPC	CMU	HPC	CMU	HPC	CMU	HPC	ACT-2	10' - 6"	
1237	CORRIDOR	QT	QTCB	PRECAST	HPC	PRECAST/ CMU	HPC	CMU	HPC	--	--	ACT-2	10' - 6"	
1238	INGREDIENT ASSEMBLY	QT	QTCB	CMU	HPC	CMU	HPC	--	--	CMU	HPC	ACT-2	10' - 6"	
1239	DRY STORAGE	QT	QTCB	PRECAST	HPC	--	--	PRECAST	HPC	PIP	FF	ACT-2	10' - 6"	
1240	RECEIVING	QT	QTCB	PRECAST	HPC	CMU	HPC	CMU	HPC	CMU	HPC	ACT-2	11' - 0"	
1241	MECH	SC	RB	PRECAST	HPC	PRECAST	HPC	CMU	HPC	CMU	HPC	EXPS	12' - 0"	NOTE 2
LEVEL 2														
2100	MECH	SC	RB	EXT SH	PNT	EXT SH	PNT	EXT SH	PNT	EXT SH	PNT	EXPS	12' - 0"	NOTE 2

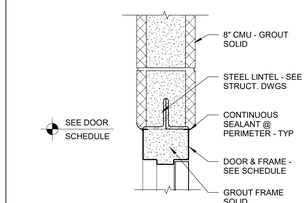
ROOM FINISH SCHEDULE ABBREVIATIONS:

CMU	CONCRETE MASONRY UNIT
EXPS	EXPOSED TO STRUCTURE
EXT SH	EXTERIOR SHEATHING
FF	FACTORY FINISH
HPC	HIGH PERFORMANCE COATING
M/ARGB	MOLD & ABUSE RESISTANT GYPSUM BOARD
PIP	PRE-INSULATED PANEL
PNT	PAINT
QT	QUARRY TILE
QTCB	QUARRY TILE COVE BASE
RB	RUBBER WALL BASE
SC	SEALED CONCRETE
SST	STAINLESS STEEL

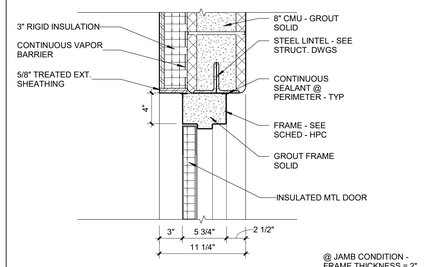
ROOM FINISH SCHEDULE NOTES:
1. ALL GYP BD MATERIALS SHALL BE PAINTED
2. ALL EXPS CEILINGS SHALL BE PAINTED

GENERAL NOTES:

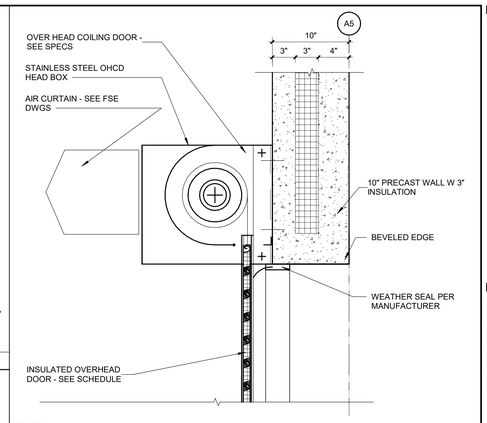
- SEE FSE DWGS FOR UNIQUE BASE AND FINISH NOTES
- ALL INSTANCES OF STAINLESS STEEL SHALL BE FACTORY FINISHED. NO PAINT OR HPC.



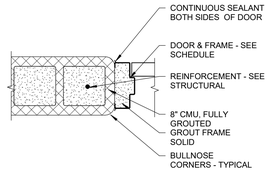
4 HEAD DETAIL @ CMU
SCALE: 1 1/2" = 1'-0"



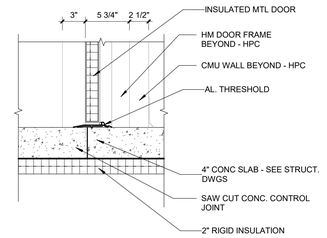
8 DOOR 1205 - HEAD/ JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



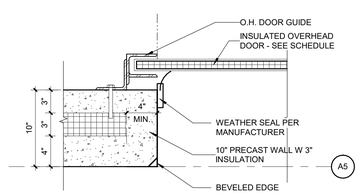
13 COILING DOOR HEAD @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



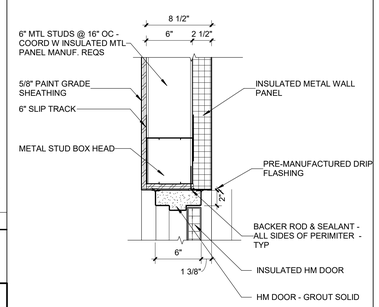
5 JAMB DETAIL @ CMU
SCALE: 1 1/2" = 1'-0"



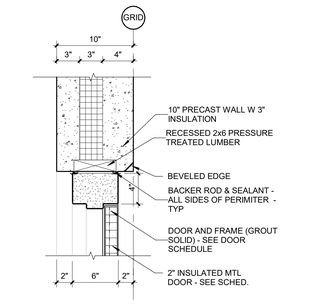
9 DOOR 1205 - SILL DETAIL
SCALE: 1 1/2" = 1'-0"



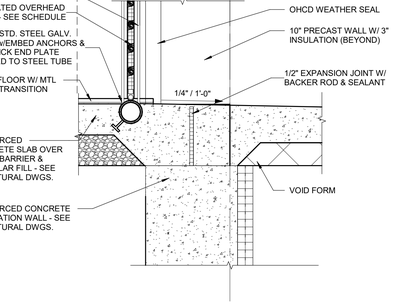
14 COILING DOOR JAMB @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



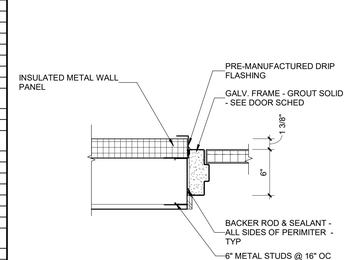
6 HEAD DETAIL @ METAL PANEL
SCALE: 1 1/2" = 1'-0"



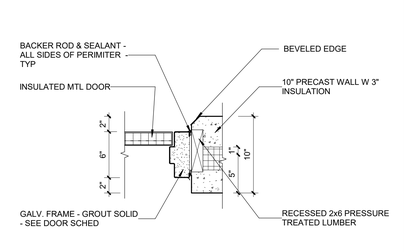
10 DOOR HEAD DETAIL @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



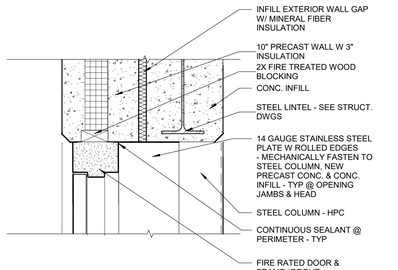
15 COILING DOOR THRESHOLD @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



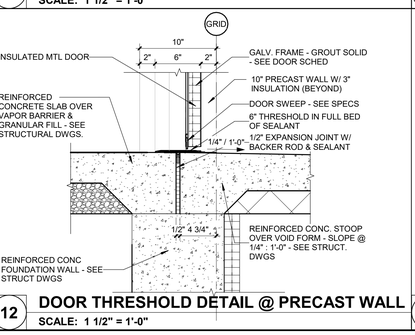
7 JAMB DETAIL @ METAL PANEL
SCALE: 1 1/2" = 1'-0"



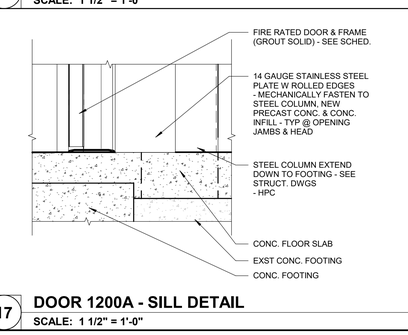
11 DOOR JAMB DETAIL @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



16 DOOR 1200A - HEAD/JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



12 DOOR THRESHOLD DETAIL @ PRECAST WALL
SCALE: 1 1/2" = 1'-0"



17 DOOR 1200A - SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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RIPPE ASSOCIATES
FOODSERVICE DESIGN + CONSULTING

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IMEG

Bishop Engineering

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:

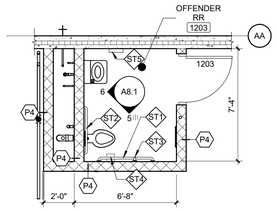
DOOR SCHEDULE, ELEVATIONS AND DETAILS

SHEET NUMBER:

A7.2

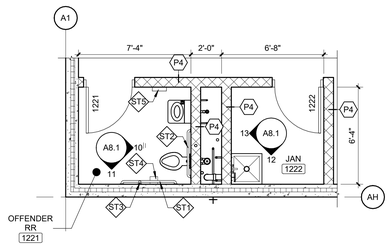
PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:43:51 PM



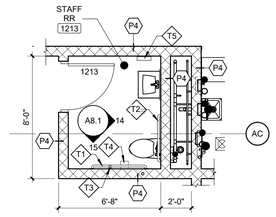
1 1114 OFFENDER RR - ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"



2 1133 OFFENDER RR & 1134 JAN. - ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"



3 1141A STAFF RR - ENLARGED FLOOR PLAN

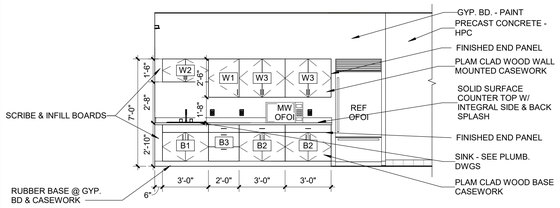
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G0.1 FOR STANDARD MOUNTING HEIGHTS.

TOILET ACCESSORY SCHEDULE

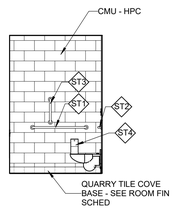
MARK	DESCRIPTION	REMARKS
ST1	SECURITY GRAB BAR (42")	
ST2	SECURITY GRAB BAR (36")	
ST3	SECURITY GRAB BAR (18")	
ST4	SECURITY TOILET TISSUE DISPENSER	
ST5	SECURITY PAPER TOWEL DISPENSER	
T1	GRAB BAR (42")	
T2	GRAB BAR (36")	
T3	GRAB BAR (18")	
T4	TOILET TISSUE DISPENSER	
T5	PAPER TOWEL DISPENSER	
T6	SOAP DISPENSER	OFCI
T7	MIRROR UNIT	
T9	UNDERLAVATORY GUARD	
T#		



NOTE: PROVIDE WOOD BLOCKING @ ALL CASEWORK INSTANCES

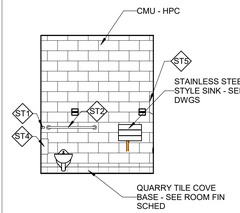
4 1141 STAFF BREAK RM - WEST

SCALE: 1/4" = 1'-0"



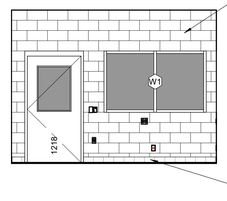
5 1203 OFFENDER RR - SOUTH

SCALE: 1/4" = 1'-0"



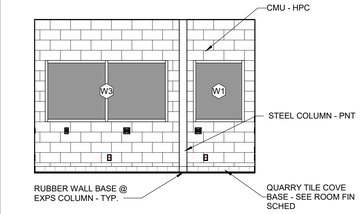
6 1203 OFFENDER RR - WEST

SCALE: 1/4" = 1'-0"



7 1120 SUPERVISOR OFFICE - WEST

SCALE: 1/4" = 1'-0"

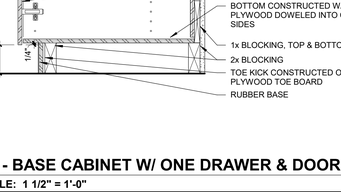


8 1120 SUPERVISOR OFFICE - NORTH

SCALE: 1/4" = 1'-0"

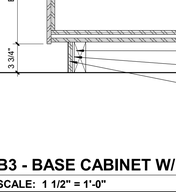
CASEWORK SCHEDULE

NO.	WIDTH	HEIGHT	DEPTH	DETAIL NO.	DESCRIPTION
BASE CABINETS					
B1	3' - 0"	2' - 8 1/2"	2' - 0"	20	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B2	3' - 0"	2' - 8 1/2"	2' - 0"	18	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B3	2' - 0"	2' - 8 1/2"	2' - 0"	19	ONE 6" DRAWER, TWO LARGE DRAWERS
WALL CABINETS					
W1	2' - 0"	2' - 6"	1' - 0"	21	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W2	3' - 0"	1' - 6"	1' - 0"	22	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W3	3' - 0"	2' - 6"	1' - 0"	21	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES



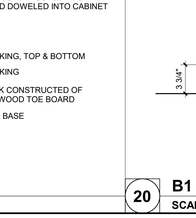
9 1120 SUPERVISOR OFFICE - EAST

SCALE: 1/4" = 1'-0"



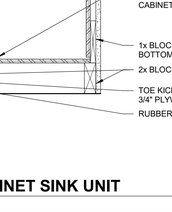
10 1221 OFFENDER RR - EAST

SCALE: 1/4" = 1'-0"



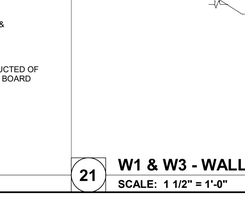
11 1221 OFFENDER RR - SOUTH

SCALE: 1/4" = 1'-0"



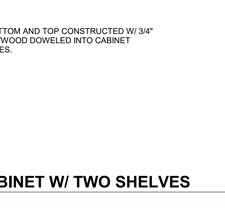
12 1222 JAN - SOUTH

SCALE: 1/4" = 1'-0"



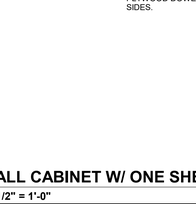
13 1222 JAN. - WEST

SCALE: 1/4" = 1'-0"



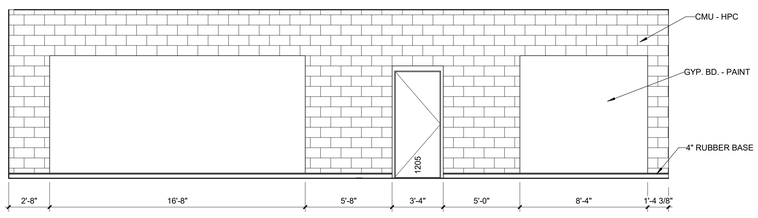
14 1213 STAFF RR - EAST

SCALE: 1/4" = 1'-0"



15 1213 STAFF RR - SOUTH

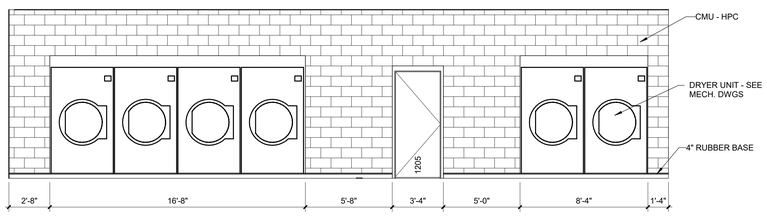
SCALE: 1/4" = 1'-0"



NOTE: SEE ALT. NO. 1 BASE BID CONDITION

16 1204 LAUNDRY - DRYER WALL WEST - BASE BID

SCALE: 1/4" = 1'-0"

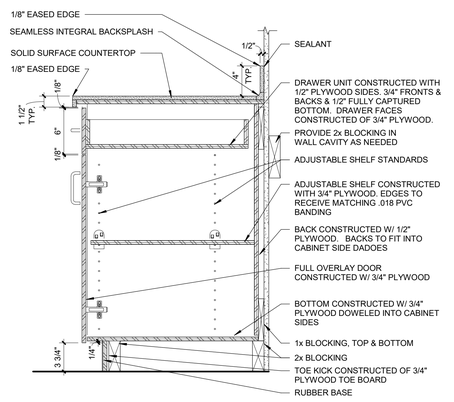


ALT NO. 1:

17 1204 LAUNDRY - DRYER WALL WEST - ALT. NO. 1

SCALE: 1/4" = 1'-0"

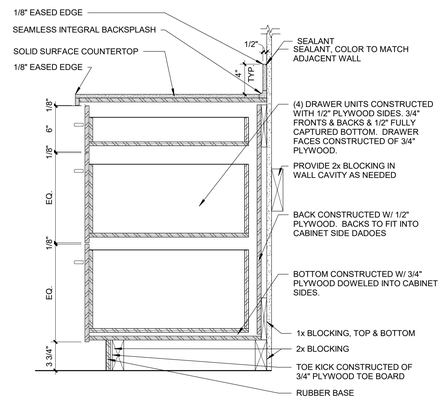
NOTE:
ALL EXPOSED PLYWOOD FACES & EDGES TO RECEIVE HIGH PRESSURE LAMINATE.



18 B2 - BASE CABINET W/ ONE DRAWER & DOOR

SCALE: 1 1/2" = 1'-0"

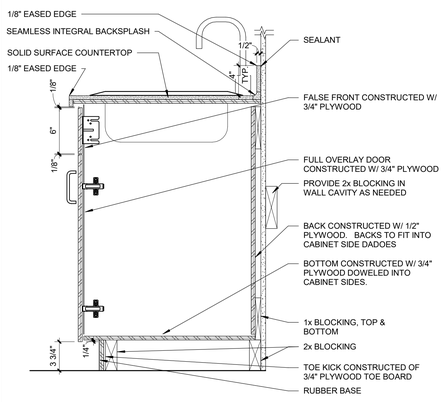
NOTE:
ALL EXPOSED PLYWOOD FACES & EDGES TO RECEIVE HIGH PRESSURE LAMINATE.



19 B3 - BASE CABINET W/ 3 DRAWERS

SCALE: 1 1/2" = 1'-0"

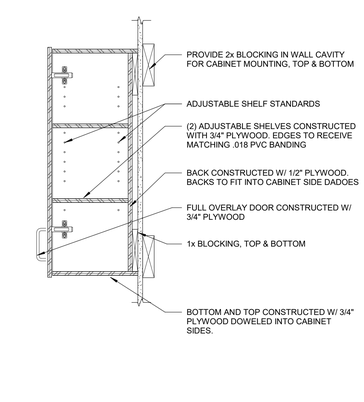
NOTE:
ALL EXPOSED PLYWOOD FACES & EDGES TO RECEIVE HIGH PRESSURE LAMINATE.



20 B1 - BASE CABINET SINK UNIT

SCALE: 1 1/2" = 1'-0"

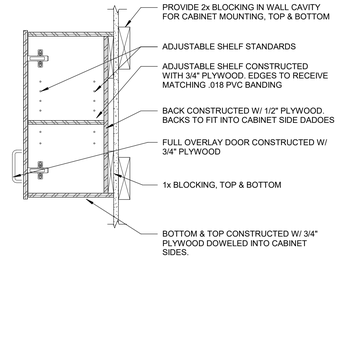
NOTE:
ALL EXPOSED PLYWOOD FACES & EDGES TO RECEIVE HIGH PRESSURE LAMINATE.



21 W1 & W3 - WALL CABINET W/ TWO SHELVES

SCALE: 1 1/2" = 1'-0"

NOTE:
ALL EXPOSED PLYWOOD FACES & EDGES TO RECEIVE HIGH PRESSURE LAMINATE.



22 W2 - WALL CABINET W/ ONE SHELF

SCALE: 1 1/2" = 1'-0"

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RIPPE ASSOCIATES
FOODSERVICE DESIGN + CONSULTING

kpff

IMEG

Bishop Engineering

ISSUE:

#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:

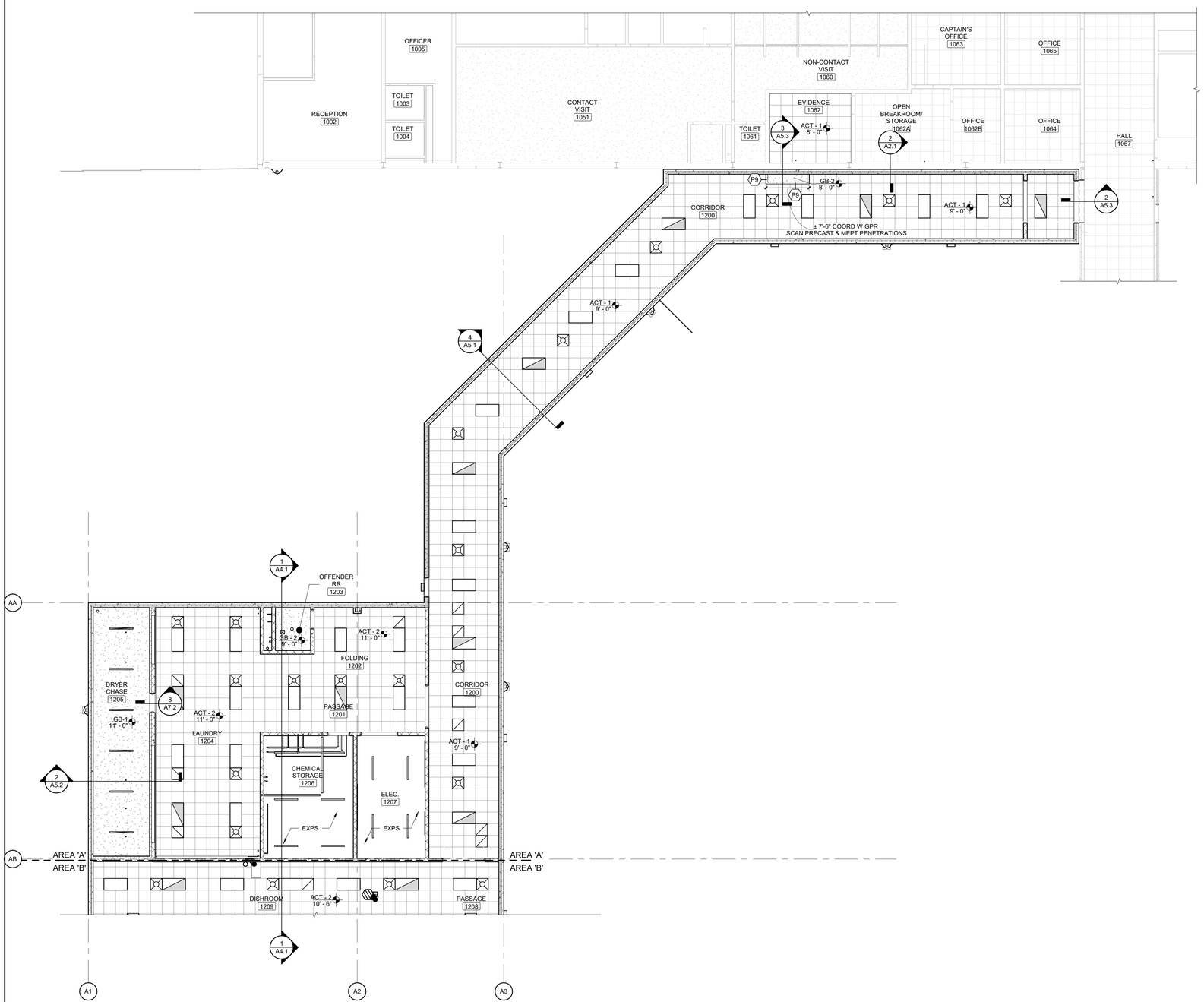
INTERIOR ELEVATIONS, ENLARGED PLANS & CASEWORK DETAILS

SHEET NUMBER:

A8.1

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:05:43 PM



1 FIRST FLOOR REFLECTED CEILING PLAN

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

0 4 8 16

PLAN NORTH

REFLECTED CEILING PLAN GENERAL NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

B. PAINT CUT EDGES OF ACOUSTIC CEILING TILES TO MATCH CEILING TILE WHERE EXPOSED EDGES ARE VISIBLE.

C. CONTROL JOINTS SHALL BE INSTALLED: AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0" WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS

D. PAINT ALL EXPOSED CEILINGS & STRUCTURE, COLOR SHALL BE **PNT-1** UNLESS OTHERWISE NOTED OR SHOWN.

E. PAINT ALL GYPSUM CEILINGS. COLOR SHALL BE **PNT-2**, UNLESS OTHERWISE NOTED OR SHOWN.

REFLECTED CEILING PLAN LEGEND

	GB-1	5/8" MOISTURE RESISTANT EXT SHEATHING OVER 3 5/8" GALV. MTL STUD
	GB-2	5/8" MOISTURE RESISTANT & ABUSE RESISTANT GYP BOARD OVER 3 5/8" MTL STUD
	ACT-1	2X2 ACOUSTICAL CEILING TILE W/ STEEL GRID
	ACT-2	2X2 MOISTURE RESISTANT VINYL FACED CEILING TILE W/ ALUMINUM GRID
	WIC	WALK-IN COOLER CEILING
	EXPS	EXPOSED TO STRUCTURE ABOVE
		EXIT LIGHT FIXTURE
		2X2 TROFFER LIGHT
		SUPPLY DIFFUSER
		RETURN DIFFUSER
		2X2 ACCESS PANEL
		2X4 TROFFER LIGHT

KEYNOTES (BY DIVISION) #.#

DIVISION 03	
3.01	CONC. INFILL SLAB @ STRUCTURAL STEEL - SEAL
3.02	FIRE RATED PRECAST WALL SHALL HAVE SMOOTH EXTERIOR SURFACE WITHOUT FORMLINERS TO ABUT MINERAL FIBER INSULATION & ADJOIN TO PERIMETER SEALANT
3.04	DEPRESSED SLAB - COORD W STRUCT & FSE
DIVISION 04	
4.01	SEE DETAIL 9/A5.3 FOR TYP. MASONRY COLUMN SURROUND
DIVISION 05	
5.01	EXPOSED STEEL STRUCTURE - HPC
5.02	EXPOSED STEEL STRUCTURE - PNT
5.03	TYP. 1" GAP BETWEEN CMU & COLUMN
5.04	CONC. UTILITY CURB - SEE DETAIL 3/FS401
5.06	GALV. STEEL COLUMN - SEE STRUCT.
5.07	GALV. STEEL STAIR & LANDING
DIVISION 07	
07.08	CONC. SPLASH BLOCK
DIVISION 08	
8.01	LOUVER OPENING - COORD W MECH INSTALLATION
DIVISION 11	
11.01	STEEL MESH SECURITY CAGING - ALT. 1
11.02	LAUNDY - WASHER-EXTRACTOR UNIT - ALT 1
11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
11.05	FOODSERVICE EQUIPMENT - EXTEND ABOVE CEILING - SEE FSE DWGS
11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
11.08	CHEMICAL DISPENSING SYSTEM - ALT 1
DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

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#	DATE:	DESCRIPTION:

BID SET

PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
DRAWN:	KDV
REVIEWED:	BR

SHEET TITLE:

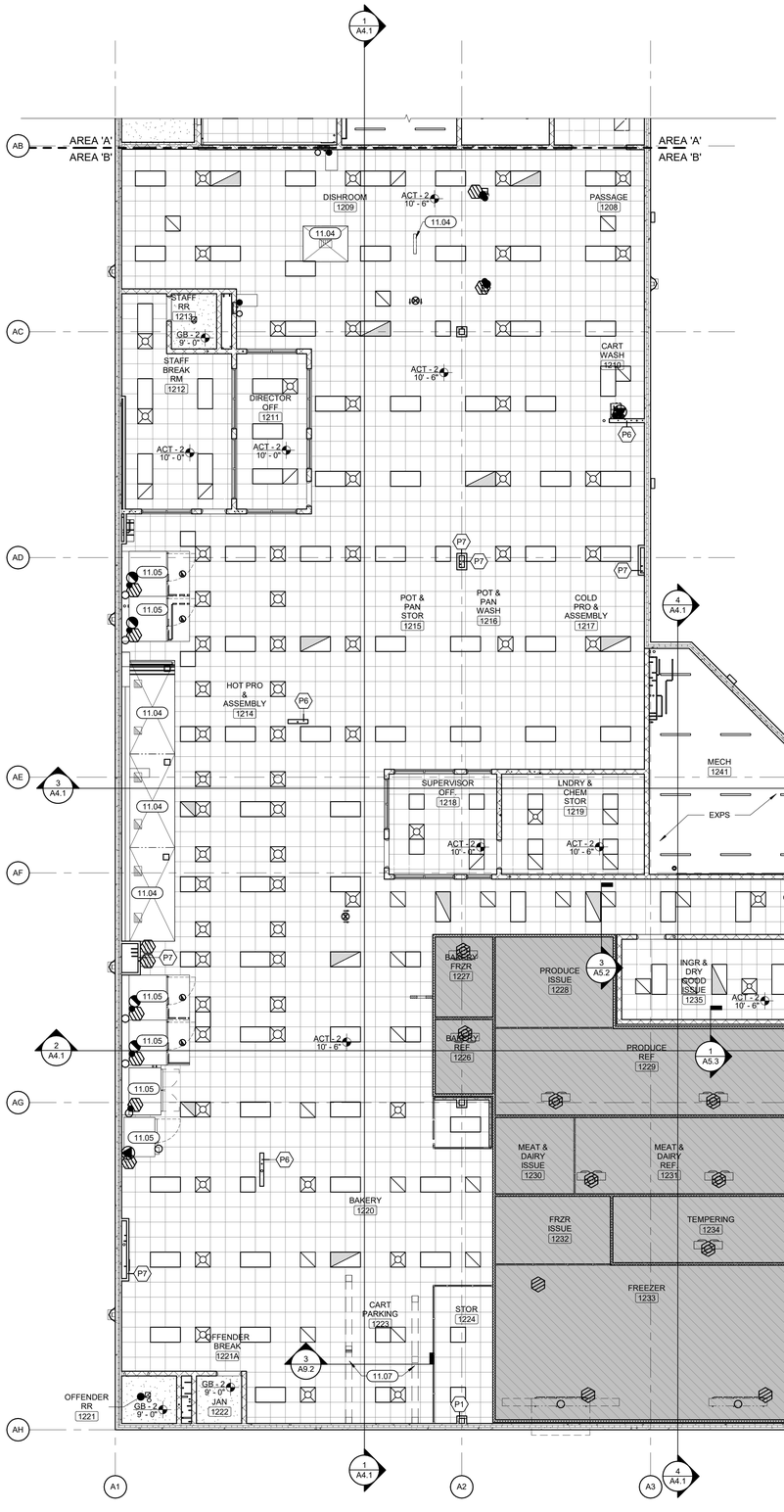
FIRST FLOOR REFLECTED CEILING PLAN - AREA 'A'

SHEET NUMBER:

A9.1

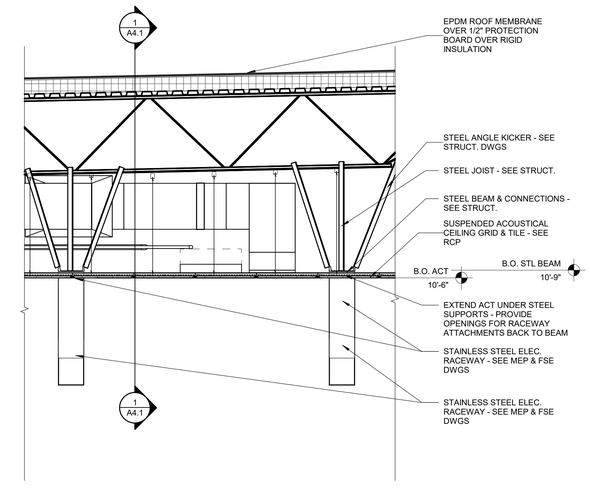
PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:55:06 PM



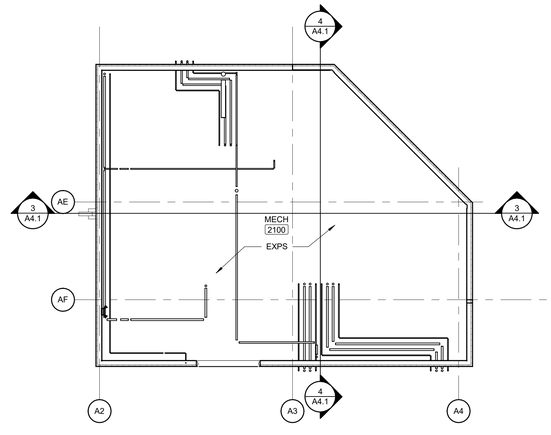
1 FIRST FLOOR REFLECTED CEILING PLAN

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



3 CEILING DETAIL @ RACEWAY

SCALE: 1/2" = 1'-0"



2 LEVEL 2 - REFLECTED CEILING PLAN

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

0 4 8 16

PLAN NORTH

REFLECTED CEILING PLAN GENERAL NOTES

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	WIC	WALK-IN COOLER CEILING
	EXPS	EXPOSED TO STRUCTURE ABOVE
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		2X2 TROFFER LIGHT
		SUPPLY DIFFUSER
		RETURN DIFFUSER
		2X2 ACCESS PANEL
		2X4 TROFFER LIGHT

KEYNOTES (BY DIVISION) #.#

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07.08	CONC. SPLASH BLOCK
DIVISION 08	
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11.03	LAUNDY - DRYER UNIT - ALT 1
11.04	EXHAUST HOOD - SEE FSE DWGS
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11.06	AIR CURTAIN - SEE FSE DWGS
11.07	CEILING HUNG ELECTRICAL RACEWAY - SEE FSE DWGS & ELEC. DWGS
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DIVISION 26	
26.01	MECH ROOF EXHAUST - SEE MECH DWGS
26.02	ROOF TOP MECH UNIT - SEE MECH DWGS

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PROJECT:

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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	KDV
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REVIEWED:	BR

SHEET TITLE:

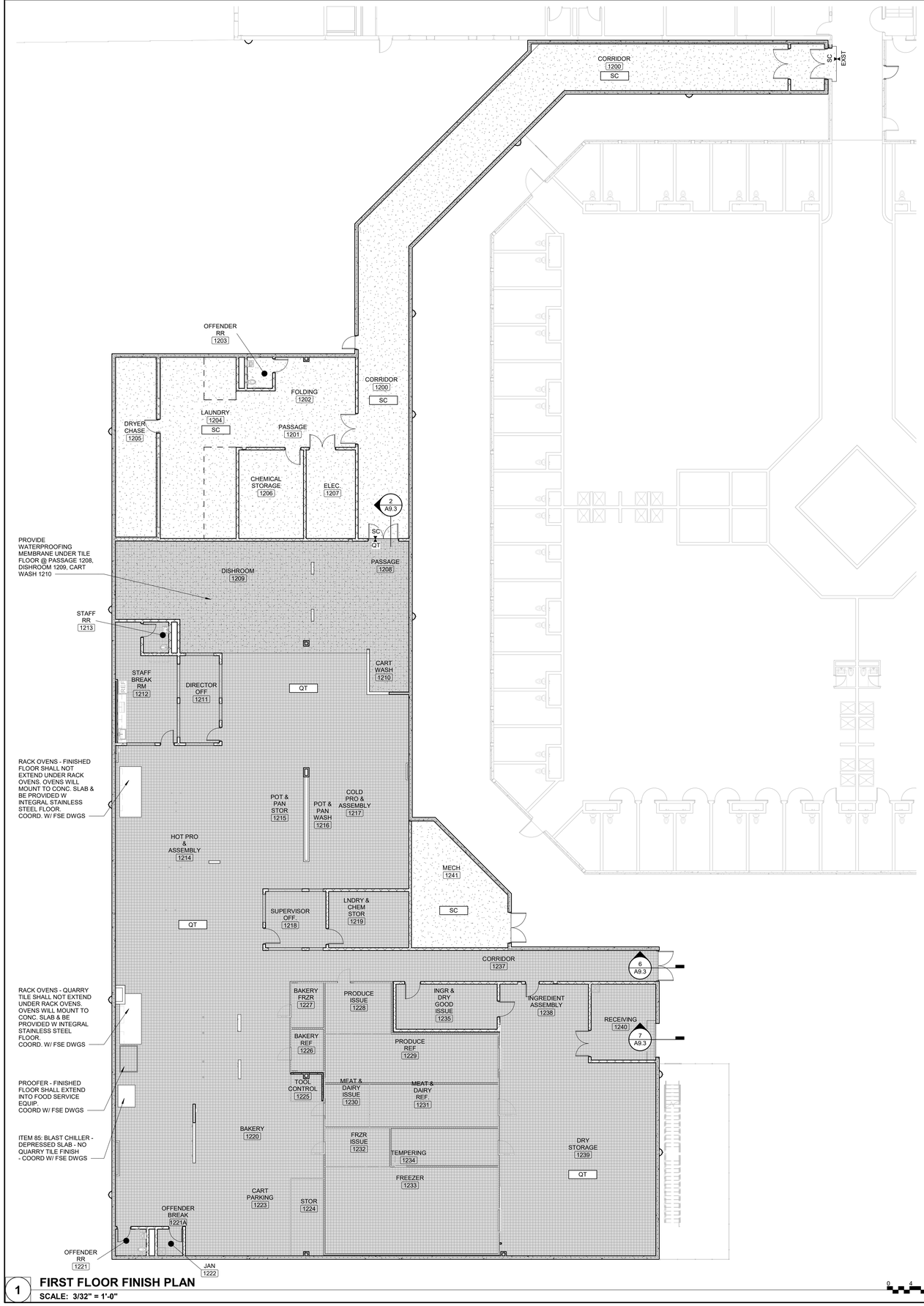
FIRST & SECOND FLOOR REFLECTED CEILING PLAN - AREA 'B'

SHEET NUMBER:

A9.2

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:55:11 PM

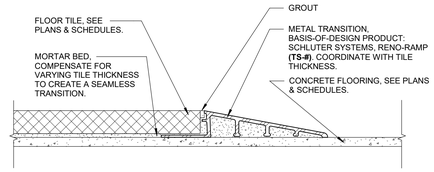


1 FIRST FLOOR FINISH PLAN

SCALE: 3/32" = 1'-0"

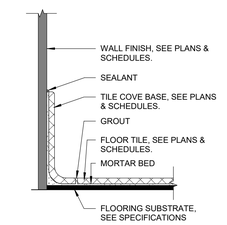
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PLAN NORTH



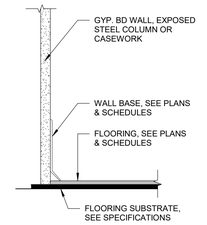
2 FLOOR TILE TO CONCRETE TRANSITION

SCALE: 12" = 1'-0"



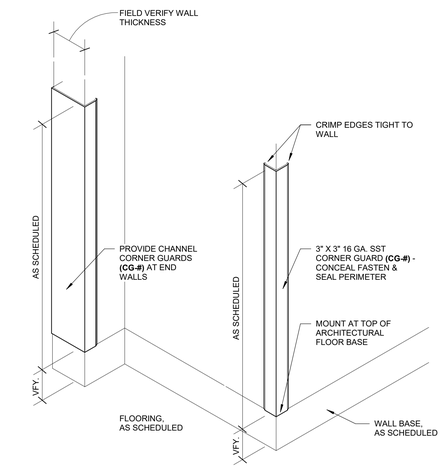
3 COVED TILE BASE

SCALE: 3" = 1'-0"



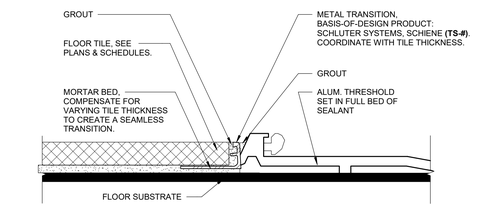
4 RESILIENT BASE

SCALE: 3" = 1'-0"



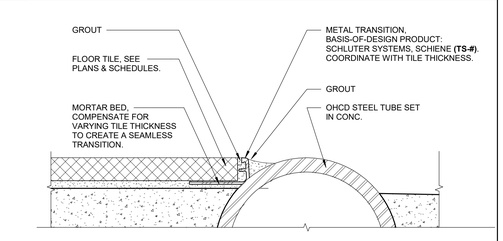
5 CORNER GUARD &END WALL PROTECTION

SCALE: 1" = 1'-0"



6 FLOOR TILE TRANSITION @ EXT THRESHOLD

SCALE: 12" = 1'-0"



7 FLOOR TILE TRANSITION @ OHCD

SCALE: 12" = 1'-0"

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.

B. ALL FLOOR FINISHES TO EXTEND BENEATH CASEWORK.

C. UNO ALL METAL DOORS TO RECEIVE **HPC-1**, REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. UNO ALL HOLLOW METAL FRAMES TO RECEIVE **HPC-1**, REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

E. ALL INSTANCES OF QUARRY TILE FLOOR SHALL RECEIVE QUARRY TILE COVE BASE EXCEPT @ STEEL EXPOSED COLUMNS, GYP. BD WALLS & CASEWORK. STEEL EXPOSED COLUMNS, GYP BD WALLS & CASEWORK SHALL RECEIVE RUBBER WALL BASE.

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PROJECT:

STATE OF IOWA DEPARTMENT OF CORRECTIONS

CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE: 02/09/2024
DESIGNED: KDV
DRAWN:
REVIEWED:

SHEET TITLE:

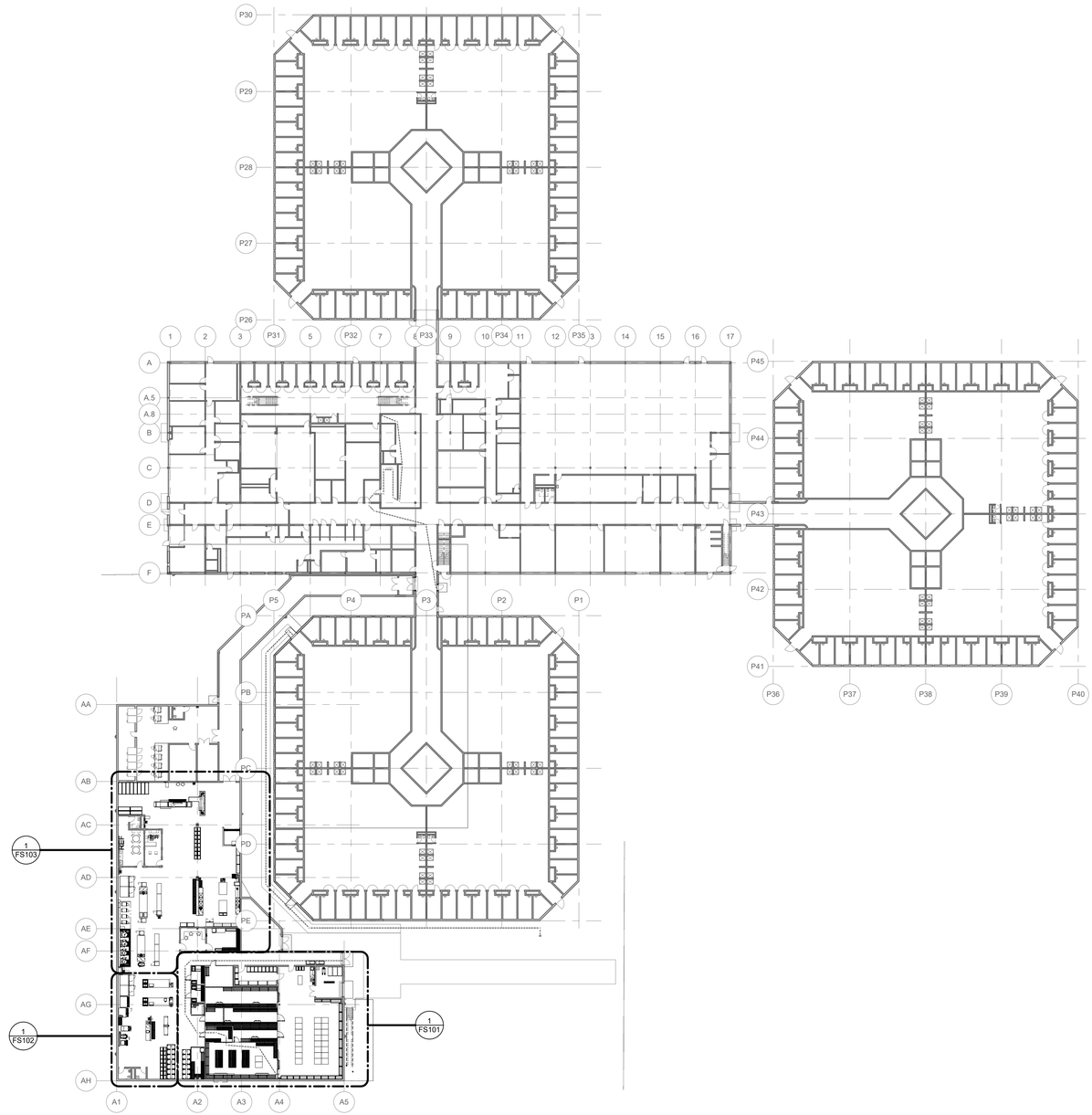
FIRST FLOOR FINISH PLAN

SHEET NUMBER:

A9.3

PROJECT NO.: 0240202.00
RFB922300-02

2/5/2024 12:55:19 PM



1 OVERALL FOODSERVICE EQUIPMENT PLAN
1/32" = 1'-0"

2/20/24 12:13:29 PM

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CLARINDA CORRECTIONAL FACILITY - KITCHEN & LAUNDRY ADDITION

2000 N 16TH ST, CLARINDA, IA 51632

DATE:	02/09/2024
DESIGNED:	EG/TP
DRAWN:	MM/BB
REVIEWED:	EG/RB

SHEET TITLE:

FOODSERVICE EQUIPMENT OVERALL PLAN

SHEET NUMBER:

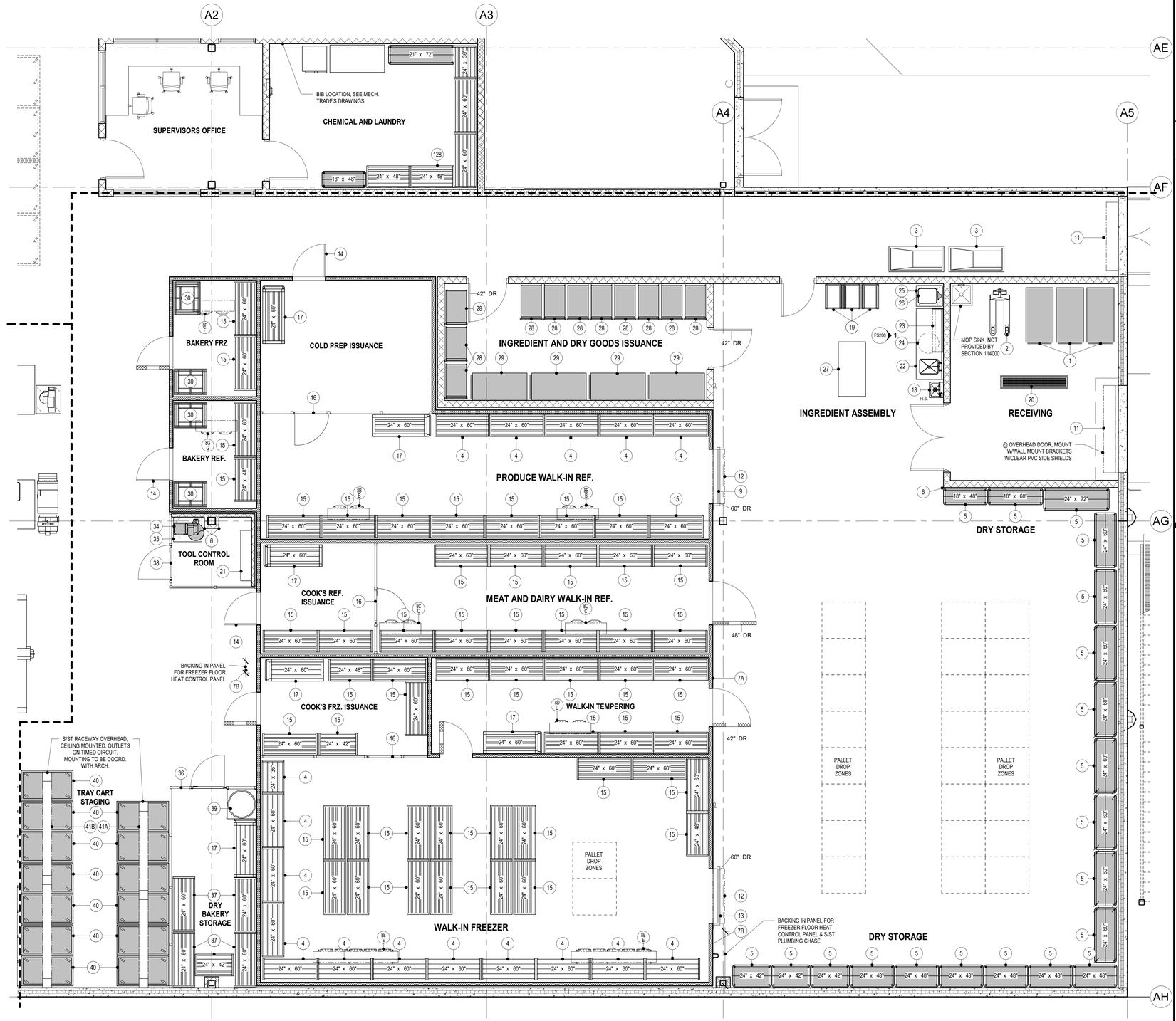
FS100

PROJECT NO.: 0240202.00
RFB922300-02

FOODSERVICE EQUIPMENT SCHEDULE - AREA A

ITEM #	QTY	DESCRIPTION	REMARKS
1	3	RECEIVING CART	EXISTING/OWNER TO RELOCATE
2	1	WALKIE PALLET JACK	
3	2	TILT TRUCK	
4	17	DUNNAGE RACK	
5	20	DRY STORAGE SHELVING	EXISTING/OWNER TO RELOCATE
6	3	STAINLESS STEEL CORNER GUARD	
7A	1	WALK-IN REFRIGERATOR/FREEZER COMPLEX	
7B	2	FREEZER FLOOR HEAT	
8A	1	RACKED REFRIGERATION SYSTEM	
9	1	MANUAL SLIDING DOOR (REF)	
10	1	OPEN NUMBER	
11	2	HEATED AIR CURTAIN	
12	2	AIR CURTAIN	
13	1	MANUAL SLIDING DOOR (FRZ)	
14	3	SWINGING SEE-THRU DOOR	
15	54	REFRIGERATOR/FREEZER SHELVING	
16	3	SECURITY FENCE	
17	6	MOBILE DUNNAGE RACK	
18	1	HAND SINK	
19	3	MOBILE LUG RACK	
20	1	FLOOR TROUGH	
21	1	SHADOW BOX SECURITY CABINET	
22	1	WORKCOUNTER W/SINK	
23	1	WALL CABINET W/SHELF	
24	1	MOBILE TRASH BIN	EXISTING/OWNER TO RELOCATE
25	1	MOBILE EQUIPMENT STAND	
26	1	BENCH SCALE	
27	1	MOBILE WORKTABLE	
28	11	UTILITY CART	EXISTING/OWNER TO RELOCATE
29	4	INGREDIENT DELIVERY CART	EXISTING/OWNER TO RELOCATE
30	4	OVEN RACK, DOUBLE	EXISTING/OWNER TO RELOCATE
31-33	1	OPEN NUMBER	
34	1	FOOD CUTTER	EXISTING/OWNER TO RELOCATE
35	1	MOBILE EQUIPMENT STAND	
36	1	SECURITY FENCE	
37	5	BAKERY DRY STORAGE SHELVING	ADD ALTERNATE
38	1	SECURITY FENCE	
39	1	MOBILE MIXING BOWL, 80 QT	ADD ALTERNATE
40	13	MOBILE HOT/COLD TRANSPORT CART	EXISTING/OWNER TO RELOCATE
41A	1	UTILITY DISTRIBUTION SYSTEM	
41B	1	UTILITY DISTRIBUTION SYSTEM	
42-59	1	OPEN NUMBER	

2 FOODSERVICE EQUIPMENT PLAN - ROOF
1/4" = 1'-0"



1 FOODSERVICE EQUIPMENT PLAN - AREA 1
1/4" = 1'-0"

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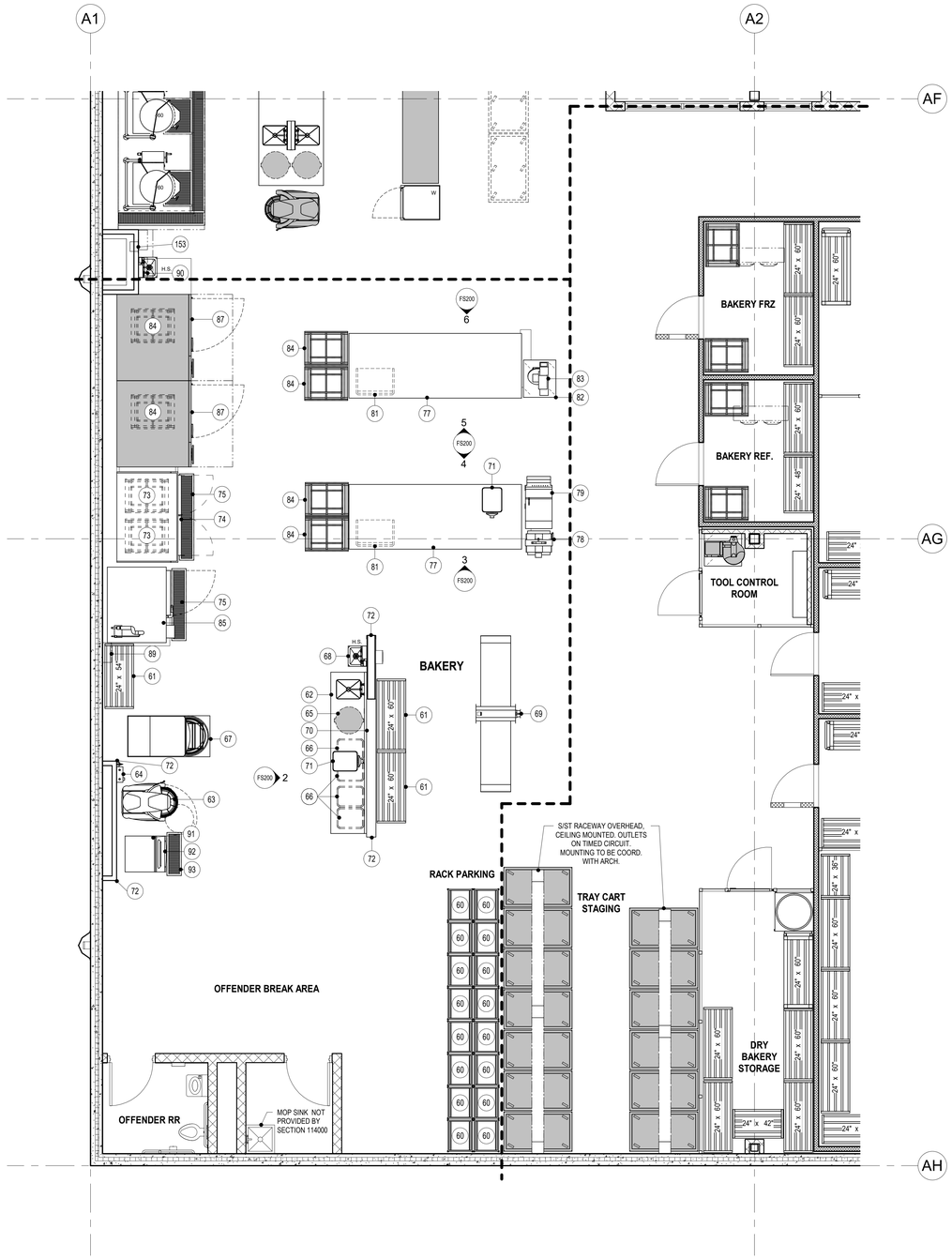
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FOODSERVICE EQUIPMENT PLAN AND SCHEDULE - AREA 1

SHEET NUMBER:
FS101

PROJECT NO.: 0240202.00
RFB922300-02

2/2/2024 12:13:52 PM

FOODSERVICE EQUIPMENT SCHEDULE - AREA B			
ITEM #	**QTY**	**DESCRIPTION**	**REMARKS**
60	16	MOBILE RACK	EXISTING/OWNER TO RELOCATE
61	3	PAN STORAGE SHELVING	
62	1	WORKCOUNTER W/SINK	
63	1	140 QUART MIXER	ADD ALTERNATE
64	1	WATER METER W/TEMPERATURE RANGE	ADD ALTERNATE
65	1	MOBILE TRASH BIN	EXISTING/OWNER TO RELOCATE
66	4	MOBILE INGREDIENT BIN	ADD ALTERNATE
67	1	SPIRAL MIXER	ADD ALTERNATE
68	1	HAND SINK	
69	1	SHEETER	ADD ALTERNATE
70	1	STAINLESS STEEL WALL CAP	
71	2	DIGITAL BENCH SCALE	ADD ALTERNATE
72	4	STAINLESS STEEL CORNER GUARD	
73	2	OVEN RACK, DOUBLE	ADD ALTERNATE
74	1	ROLL-IN PROOFER, 2 DOUBLE RACKS	ADD ALTERNATE
75	2	FLOOR TROUGH	
76	1	OPEN NUMBER	
77	2	BAKERY WORKCOUNTER W/RICHLITE TOP	ADD ALTERNATE
78	1	DIVIDER ROUNDER	ADD ALTERNATE
79	1	BREAD SLICER	ADD ALTERNATE
80	1	OPEN NUMBER	
81	2	SHEET PAN DOLLY	ADD ALTERNATE
82	1	MOBILE EQUIPMENT STAND	ADD ALTERNATE
83	1	BUN SLICER	ADD ALTERNATE
84	6	OVEN RACK, DOUBLE	EXISTING/OWNER TO RELOCATE
85	1	ROLL-IN BLAST CHILLER	
86	1	OPEN NUMBER	
87	2	RACK OVEN, 2-SEC.	EXISTING/RELOCATE
88	1	OPEN NUMBER	
89	1	FIRE PROTECTION SYSTEM	
90	1	FIRE PROTECTION SYSTEM	
91	1	ICE MAKER	
92	1	ICE BIN	
93	1	FLOOR TROUGH	
94-99	1	OPEN NUMBER	



LEGEND

DENOTES EXISTING EQUIPMENT

1 FOODSERVICE EQUIPMENT PLAN - AREA 2
1/4" = 1'-0"

2/2/2024 12:14:02 PM

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DRAWN:	MM/BB
REVIEWED:	EG/RB

SHEET TITLE:

FOODSERVICE EQUIPMENT PLAN AND SCHEDULE - AREA 2

SHEET NUMBER:

FS102

PROJECT NO.: 0240202.00
RFB922300-02