

CIP – NEW PROJECT REQUEST FORM

Project Name: Merville Secondary Road Shop

Project Number: *(Finance will provide number)*

Project Manager: County Engineer, Laura Sievers, PE

Department/Division: Secondary Roads

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Total</u>
<u>Revenues</u>						
Old Shop/Property	_____	_____	\$500,000	_____	_____	\$500,000
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
Total Revenues	_____	_____	\$500,000	_____	_____	\$500,000

<u>Expenditures</u>						
Real Estate Purchase	\$150,000	_____	_____	_____	_____	\$150,000
Site Development	_____	\$300,000	_____	_____	_____	\$300,000
Main Building	_____	\$3,985,171	_____	_____	_____	\$3,985,171
Cold Storage Building	_____	_____	\$350,000	_____	_____	\$350,000
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
Total Expenditures	_____	_____	_____	_____	_____	\$4,785,171

Comments: Project information on following page.

Woodbury County, Iowa

Secondary Roads Capital Improvement Program

1. Time Frame

The relocation and replacement of the Merville Shop is overdue. The current building is deteriorating, unsafe, and inadequate due to its age and antiquated design. The site is considered unsightly by the City of Merville, particularly as it is the first impression visitors and travelers encounter on US 20. Both public and private entities have expressed interest in acquiring the site. Alternative, more suitable locations for the Secondary Roads Merville Shop are available.

2. Items to Be Included in the CIP

- **Proposed Shop Layout:** A proposed shop layout has been included. Although originally designed some time ago, it will require minor updates to accommodate the current equipment and operational needs of the Merville Shop and its staff.
 - a. **Revenue:** The old shop and adjacent property will be sold once the new building is completed, and the equipment and materials currently stored there are relocated.
 - b. **Expenditures:** Detailed expenditure information is outlined in the accompanying CMBA pages.

3. Citizen Participation

The City of Merville has expressed support for the relocation project.

4. Unbudgeted Capital Improvement Projects

Real estate purchases for the new site can be funded through the Secondary Roads budget. Site preparation will be completed by the Secondary Road Department but is included in the costs.

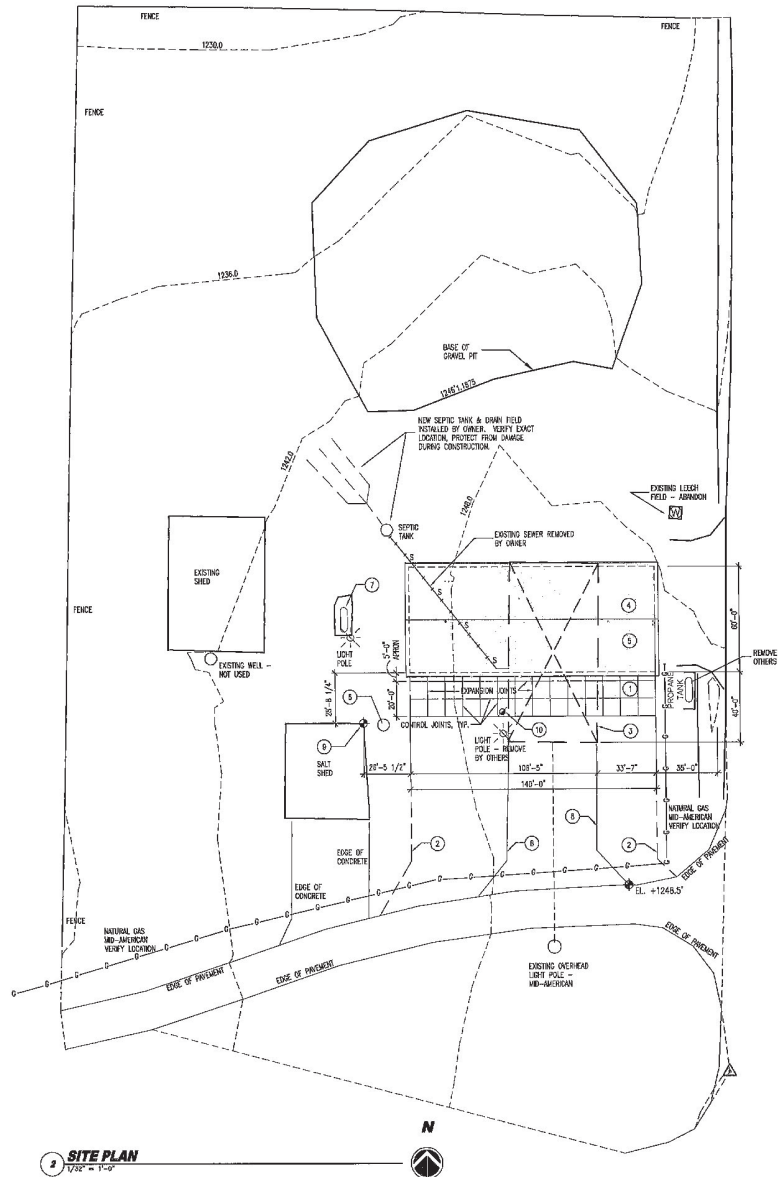
5. New Facilities

A new facility is justified due to the numerous inadequacies of the existing building:

- **Size:** The current building is too small, and not all equipment can be housed indoors.
- **Heating:** Only one bay is heated, limiting winter operations because not all snow and ice is melted off the vehicle overnight.
- **Vehicle Washing:** There is no wash bay, forcing vehicles to be washed outside in poor weather or not at all, accelerating equipment wear.
- **Structural Issues:** The roof leaks, sidewalls are rusted through, and the floor around the drain is eroding.

- **Storage:** Insufficient space for bulk oil and DEF systems, which are more cost-effective to purchase in larger quantities.
- **Maintenance:** There is no mechanics bay, leading to reliance on more expensive outside labor for repairs.
- **Employee Needs:**
 - Lack of a conference room for Secondary Roads employees.
 - No designated break room.

This proposal underscores the critical need for a modern, adequately equipped facility to support the efficiency, safety, and operational needs of the Secondary Roads team.



2 SITE PLAN
1/8" = 1'-0"

GENERAL NOTES

1. EXISTING TOPOGRAPHY & BOUNDARY INFORMATION SHALL BE VERIFIED AT THE SITE. VERIFY ALL LOCAL CONDITIONS, INCLUDING ZONING, COUNTY SITE REGULATIONS, CIVIL ENGINEERING RECORDS, & EXISTING UTILITY INFORMATION, PRIOR TO START OF WORK.
2. VISIT SITE PRIOR TO QUARRYING, BRUSHING OR STUMP WORK.
3. SITE SHALL BE KEPT NEAT & CLEAN AT ALL TIMES. PROVIDE ONE PERMITS AS REQUIRED.
4. MAKE ALL SEWER, WATER, GAS, AND ELECTRICAL CONNECTIONS IN ACCORDANCE WITH LOCAL AUTHORITIES & REGULATIONS.
5. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR FURTHER SITE CONSTRUCTION INFORMATION.
6. THE OWNER WILL COMPLETELY REMOVE THE EXISTING BUILDING AND FOUNDATION, PROVIDE OVER EXCAVATION AND PLACEMENT OF NEW FILL AS REQUIRED AND PROVIDE PROPER FINISHING OF THE SITE. THE CONTRACTOR SHALL PROVIDE, PLACE, AND INSTALL CONCRETE FILL BELOW THE NEW CONCRETE SLABS AS REQUIRED.
7. GAS LINES & SEWER FOR INFORMATIONAL PURPOSES ONLY. VERIFY EXACT LOCATION WITH UTILITY.

KEY NOTES

- 1 NEW CONCRETE FRAMING - EXTEND 20'-0" SOUTH FROM APRON
- 2 LINE OF FUTURE ASPHALT DRIVE
- 3 EXISTING SHED, EXCAVATION BY OWNER
- 4 MAIN FLOOR ELEVATION TO BE AT 1246.5', SET TO 1/2"-3" TO COORDINATE WITH CONSTRUCTION DRAWINGS
- 5 OWNER WILL BRING TOP OF BUILDING FILL PAD TO ELEVATION 1247.5' OR (+1'-0")
- 6 EXISTING WELLS - PROTECT FROM DAMAGE
- 7 EXISTING FUEL STORAGE - PROTECT FROM DAMAGE. PROVIDE ACCESS FOR OWNERS USE DURING CONSTRUCTION
- 8 EDGE OF EXISTING ASPHALT DRIVE - PROTECT FROM DAMAGE
- 9 USE NE CORNER OF SALT SHED AS BENCH MARK FOR NEW BUILDING LOCATION
- 10 EXISTING INVENTORY, REMOVED AND TEMPORARILY RELOCATED BY OWNER. TO BE REMOVED BY OWNER PRIOR WHEN INVENTORY IS AVAILABLE ON SITE. COORDINATE REMOVAL W/ OWNER.

REVISIONS

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Architects
 12022009
 PROJECT 07139

SITE PLAN

WOODBURY COUNTY
MAINTENANCE FACILITY
 MOBILE, IOWA

SHEET
A1.01

FILE LOCATION: I:\PROJECTS\07139\WOOD\WOOD\07139-11.01 SITE PLAN.dwg
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GENERAL NOTES

1. SEE NECESSARY TRUCK ELEVATOR & INTERIOR ELEVATORS ON SHEET 20 FOR ADDITIONAL INFORMATION.
2. SEE ELECTRICAL AND MECHANICAL SCHEDULES FOR EQUIPMENT CONSTRUCTION.
3. SEE DOOR AND FRAME SCHEDULES FOR FURTHER INFORMATION.
4. WHERE DOOR LOCATIONS ARE NOT INDICATED - THE FRAME SHALL BE LOCATED 4" FROM ADJACENT WALL.
5. SEE MECHANICAL FOR ROSE WB AND AIR COMPRESSOR DUCT LOCATIONS.
6. PENETRATIONS THROUGH THE ROOF, SEE MECHANICAL SCHEDULES W/40 & W/41.
7. ROOF SHALL BE FRAMED TO BE 2" O.C. & BEARING WALLS W/ FLOOR JOISTS AND STOPS IN ALL CORNERS. ALL WALL BEARING WALLS, WOOD STUDS FRAMED TO BE 16" O.C.
8. FOR FIRE PROTECTION AND CODE INFORMATION SEE FIRE PROTECTION PLAN.

KEY NOTES

1. 2X6 STUDS @ 12" O.C. - MATCH FLOOR JOIST SPACING ABOVE & BEARING WALLS
2. 5/8" GIP. BOARD.
3. BATT INSULATION
4. 2X4 STUDS @ 16" O.C.
5. 1/2" CONG. @ 1/2" O.C. BEARING WALLS W/ FLOOR JOISTS @ 24" O.C. - GROUT FILL
6. 2X4 STUDS @ 16" O.C.
7. 1/2" CONG. @ 1/2" O.C. BEARING WALLS W/ FLOOR JOISTS @ 24" O.C. - GROUT FILL
8. FRP PANEL OVER 1/2" PLYWOOD SUBSTRATE @ 1 HOUR FIRE WALL AS INDICATED
9. BOLLARDS, TYPICAL @ INTERIOR & EXTERIOR FOR EACH OVERHEAD DOOR @ 3'-0" APART. SEE SITE PLAN FOR EXHAUSTION JOISTS & CONTROL JOISTS.
10. EXH. HEADER
11. EYE WASH SHOWER
12. WARE COOLER
13. UTILITY SINK
14. 1/2" PRECAST "X" EPSILON BOARD
15. FLOOR INSULATION
16. TURNING STRIPS
17. WALL MOUNTED FIRE EXTINGUISHER BY OWNER
18. VAPOR BARRIER
19. FLOOR DRAIN
20. 2X6 STUDS @ 16" O.C.
21. PRECASTED DRIP CAP
22. VAPOR BARRIER
23. PANEL END CAP
24. GASKET - WEATHER TIGHT
25. STUD FRAMING
26. AIR COMPRESSOR - BY OWNER
27. POWER WRENCH - BY OWNER
28. WORK BENCH - BY OWNER

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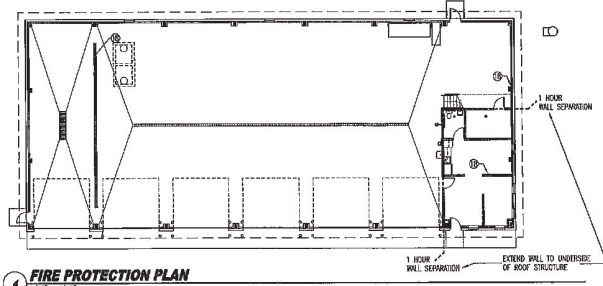
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 1202009
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 07139

FLOOR PLAN

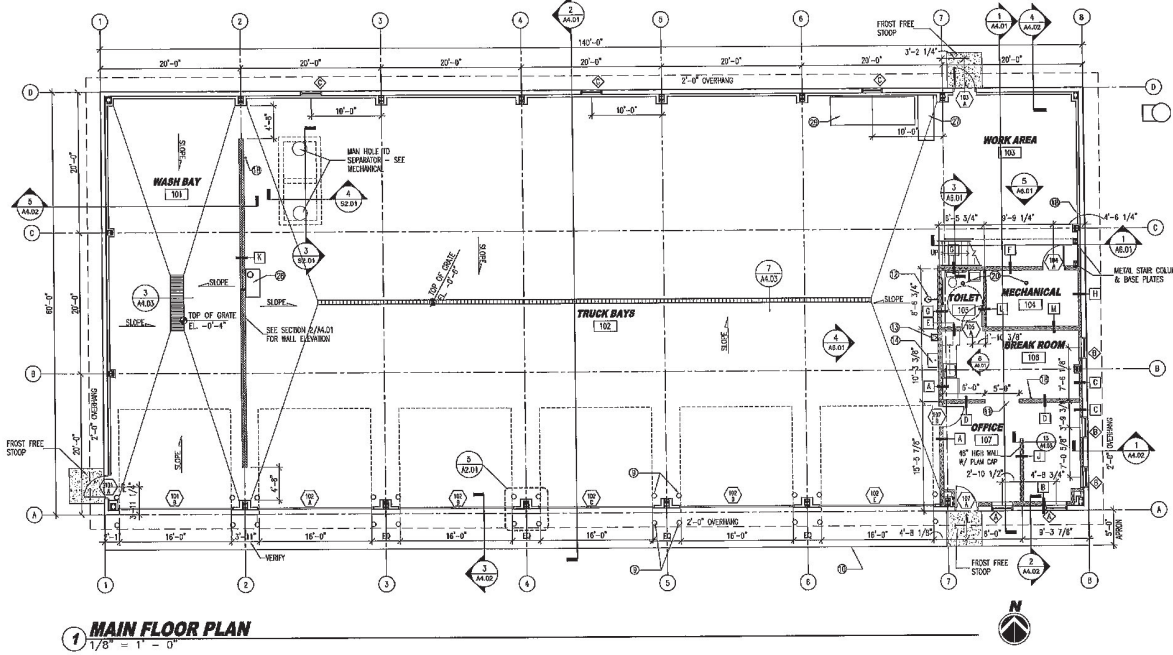
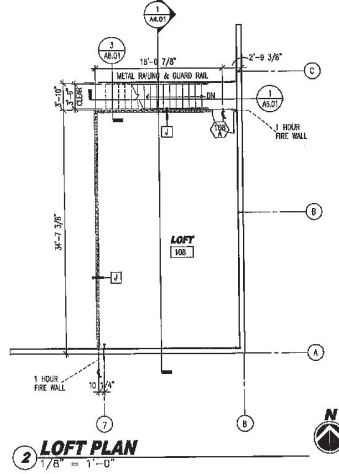
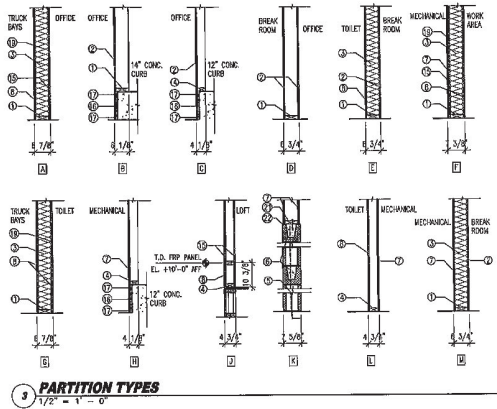
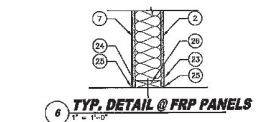
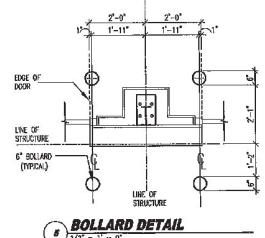
**WOODBURY COUNTY
 MAINTENANCE FACILITY
 MOVILLE, IOWA**

SHEET
A2.01

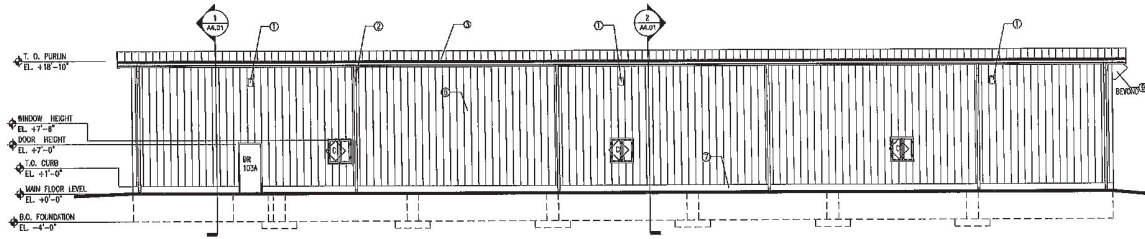


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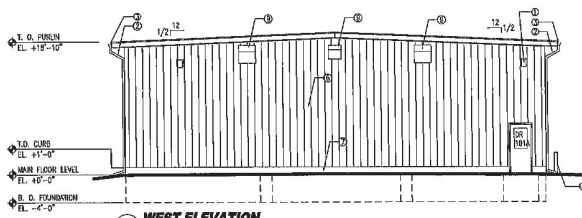
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 BUILDING SIZE: 4,000 SQ. FT.
 BUILDING OCCUPANCY: MECHANICAL ROOMS GROUP S-1, WAREHOUSE 2000 SQ. FT. BUSINESS GROUP B
 503.3 OFFICES ARE AN ACCESSORY OCCUPANCY TO THE MAIN OCCUPANCY.
 503.3 TYPE IIB CONSTRUCTION
 TABLE 503.3 REQUIRED SEPARATION OF OCCUPANCIES
 NO SEPARATION IS REQUIRED EXCEPT IN S-1 & S-2 OCCUPANCIES. HOWEVER, THERE MUST BE A 1-HOUR SEPARATION PROVIDED BETWEEN AREAS DUE TO THE NATURE OF THE ACTIVITIES THAT WILL BE PERFORMED IN THE SHOP AREA.
 TABLE 502 NO FIRE RATED REQUIRED ON EXTERIOR WALLS
 TABLE 716.4 1-HOUR FIRE PARTITION = 3/4 HOUR FIRE RATED PARTITION
 716.4.7 FIRE DOORS SHALL BE SELF-CLOSING
 903.5.1 AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED
 TABLE 1210.5 SPACES WITH ONE VIEW OF EGRESS
 1 OCCUPANCY 40 MIN. OCCUPANCY
 2 OCCUPANCY 1 HOUR OCCUPANCY
 3 OCCUPANCY 20 MIN. OCCUPANCY
 4 OCCUPANCY 20 MIN. OCCUPANCY
 5 OCCUPANCY 20 MIN. OCCUPANCY



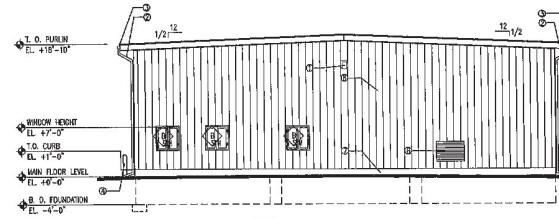
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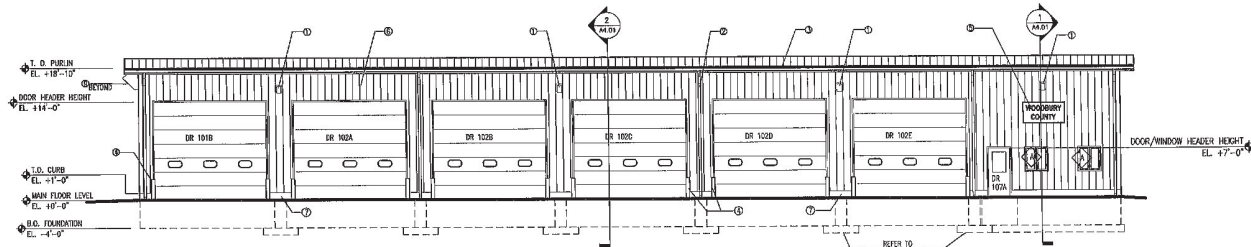
1 NORTH ELEVATION
1/8" = 1'-0"



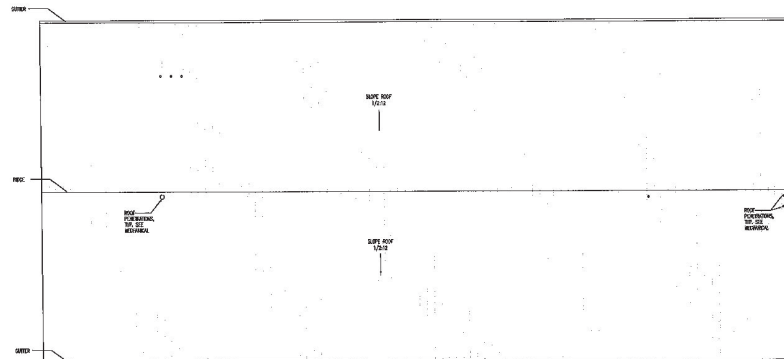
2 WEST ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



4 SOUTH ELEVATION
1/8" = 1'-0"



5 ROOF PLAN
1/8" = 1'-0"

GENERAL NOTES

REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION INFORMATION

KEY NOTES

- 1) DESIGN LIGHTS
- 2) DOWN SPOUT
- 3) GUTTER
- 4) SOLID
- 5) SOLID SIGN - BY OWNER
- 6) METAL WALL PANELS
- 7) EXPOSED CONCRETE CURB
- 8) WORKER - SEE MECHANICAL

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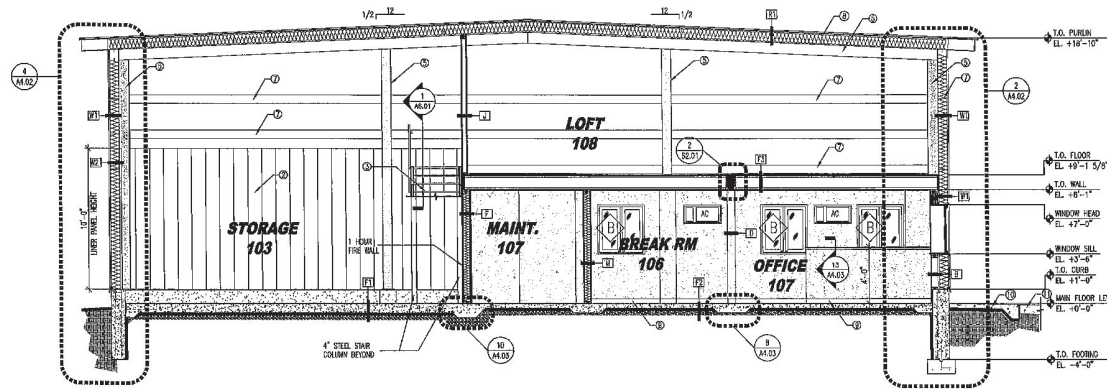
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ELEVATIONS

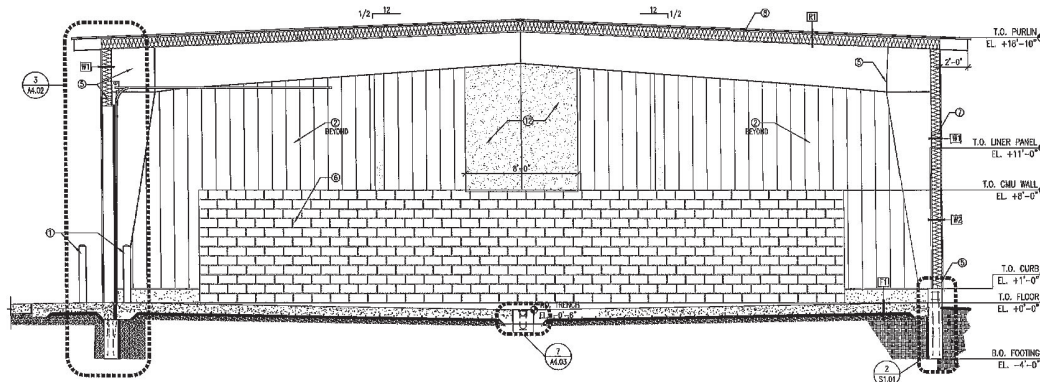
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 MAINTENANCE FACILITY
 MOVILLE, IOWA**

SHEET
A3.01

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1 BUILDING SECTION
1/2" = 1'-0"



2 BUILDING SECTION
1/2" = 1'-0"

GENERAL NOTES

- FLOOR FINISHES**
- 1-1 2" CONCRETE FLOOR W/ REINFORC. RAFTER HEAT & REINFORCING. SEE STRUCTURAL.
 - 1-2 2" RIGID INSULATION. VAPOR BARRIER. COMPACTED GRANULAR FILL. SLOPE.
 - 1-3 4" CONCRETE FLOOR W/ REINFORC. RAFTER HEAT & REINFORCING. SEE STRUCTURAL.
 - 1-4 2" RIGID INSULATION. VAPOR BARRIER. COMPACTED GRANULAR FILL. SLOPE.
 - 1-5 1/4" TONGUE & GROOVE PLYWOOD. 1 1/2" x 4" SIPS @ 12" O.C. - ASH WITH STD. WALL FINISH. VAPOR BARRIER OVER 1/2" GYPSUM BOARD.
- ROOF ASSEMBLY**
- R-1 BENDING BEAM METAL ROOF. STRUCTURAL FRAME CHASE W/ INSULATION W/ VAPOR BARRIER.
 - R-2 STANDING SEAM METAL ROOF. STRUCTURAL FRAME CHASE W/ INSULATION W/ VAPOR BARRIER. METAL LINER PANEL.
- WALL ASSEMBLY**
- W-1 EXPOSED METAL WALL PANELS. STRUCTURAL FRAME CHASE W/ INSULATION & VAPOR BARRIER.
 - W-2 EXPOSED BRICK WALL PANELS. STRUCTURAL FRAME CHASE W/ INSULATION & VAPOR BARRIER. METAL LINER PANELS @ HEIGHTS INDICATED.

KEY NOTES

- 1 BOLTED
- 2 METAL LINER PANELS
- 3 BRICKS. SEE DETAILS
- 4 BRICKS. OPEN
- 5 MAIN TRASH
- 6 2" CHASE WALL
- 7 ROOF
- 8 PURLINS
- 9 MAIN ROOF
- 10 JOISTS
- 11 SLAB ON GRADE
- 12 TRAP PANEL TIGHT TO MAIN FRAME
- 13 PREFINISHED DROP CUP

REVISIONS

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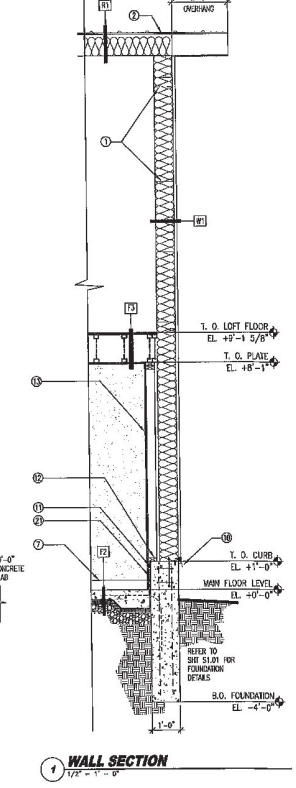
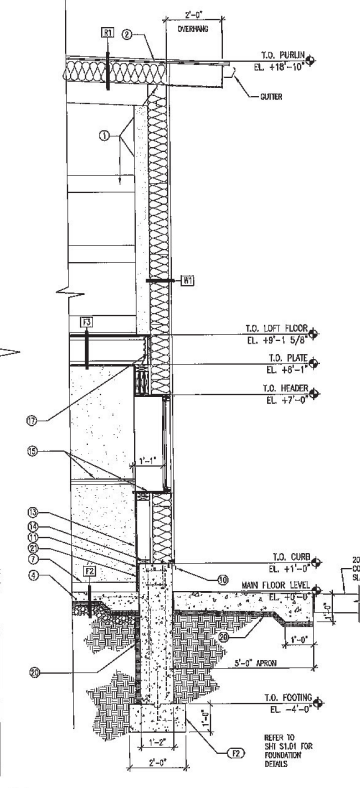
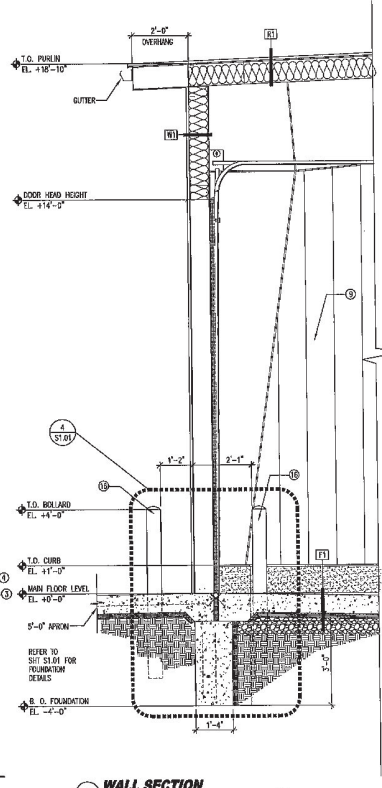
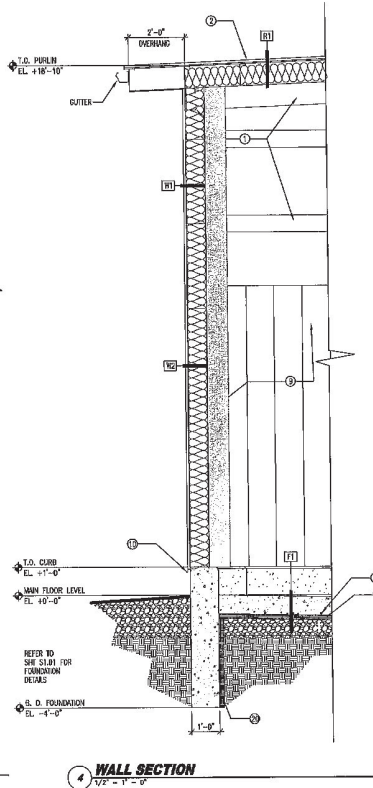
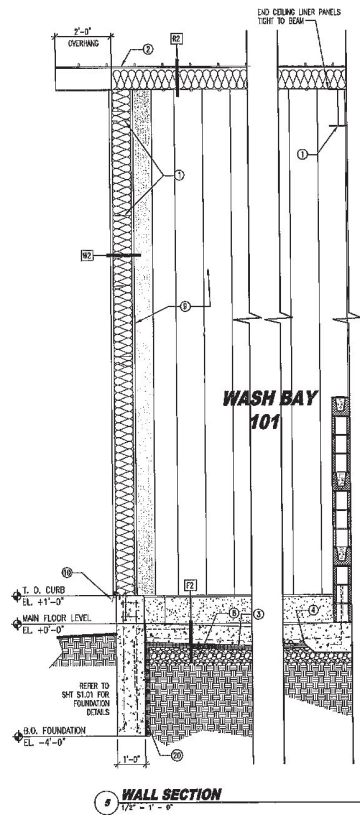
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BUILDING SECTIONS

WOODBURY COUNTY
MAINTENANCE FACILITY
 MOVILLE, IOWA

SHEET
A4.01

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- KEY NOTES**
- 1 METAL BANKING SYSTEM - SEE SPEC. DIVISION 13. FLASH CONNECTIONS AND SEAL ACCORDING TO MANUFACTURER'S INSTRUCTIONS
 - 2 ROOF 46 METAL BANKING SYSTEM - SEE SPEC. DIVISION 13. FLASH CONNECTIONS AND SEAL ACCORDING TO MANUFACTURER'S INSTRUCTIONS
 - 3 2" RIGID INSULATION - CONTIGUOUS @ ALL JOINTS W/ UNDERFLOOR RADIANT HEATING.
 - 4 RADIAN IN-FLOOR HEATING
 - 5 3/4" T & G PLYWOOD SUBFLOOR
 - 6 11 7/8" T-JOIST @ 16" O.C. ALUM W/ STUD WALL FRAMING
 - 7 4" VAPOR BARRIER
 - 8 COMPRESSED GRANULAR FILL
 - 9 METAL LINER PANEL
 - 10 METAL WALL FLASHING
 - 11 1/4" FLASHING
 - 12 2x4 STUD WALL @ 16" O.C. ANCHOR TO TOP OF CURB.
 - 13 3/8" DIA. BOARD
 - 14 2x4 STUD WALL @ 16" O.C. ANCHOR TO TOP OF CURB.
 - 15 1/2" RIGID INSULATION
 - 16 1/2" RIGID INSULATION
 - 17 1/2" RIGID INSULATION
 - 18 ALUMINUM WINDOW
 - 19 2" RIGID INSULATION
 - 20 3/4" RIGID INSULATION

- GENERAL NOTES**
- FLOOR ASSEMBLY**
- F-1 6" CONCRETE FLOOR W/ RADIANT RADIANT HEAT & REINFORCING SEE STRUCTURAL
 - 2" RIGID INSULATION
 - 3" RIGID INSULATION
 - COMPACTED GRANULAR FILL
 - 2" RIGID INSULATION
 - 4" CONCRETE FLOOR W/ METAL RADIANT HEAT & REINFORCING SEE STRUCTURAL
 - 1" RIGID INSULATION
 - VAPOR BARRIER
 - COMPACTED GRANULAR FILL
 - 2" RIGID INSULATION
 - 3/4" T & G PLYWOOD SUBFLOOR
 - 11 7/8" T-JOIST @ 16" O.C. - ALUM W/ STUD WALL FRAMING
 - VAPOR BARRIER @ 1/2" DRYWALL BOARD
- ROOF ASSEMBLY**
- R-1 FINISH 50MM METAL ROOF
 - STRUCTURAL FRAME Cavity W/ INSULATION W/ VAPOR BARRIER
 - R-2 FLASHING SEAM METAL ROOF
 - STRUCTURAL FRAME Cavity W/ INSULATION W/ VAPOR BARRIER
 - METAL LINER PANEL
- WALL ASSEMBLY**
- W-1 EXTERIOR METAL WALL PANELS
 - STRUCTURAL FRAME Cavity W/ INSULATION & VAPOR BARRIER
 - W-2 EXTERIOR METAL WALL PANELS
 - STRUCTURAL FRAME Cavity W/ INSULATION & VAPOR BARRIER
 - METAL LINER PANELS @ HEIGHTS INDICATED

REVISIONS

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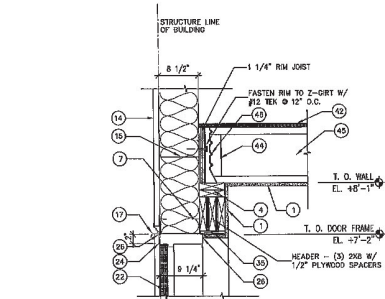
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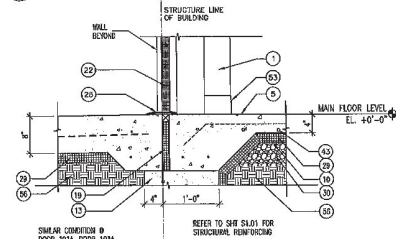
WALL SECTIONS

WOODBURY COUNTY MAINTENANCE FACILITY
 MOBILE, IOWA

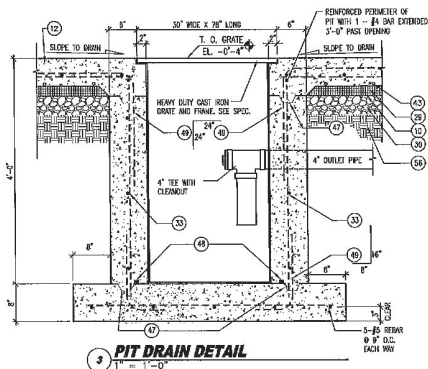
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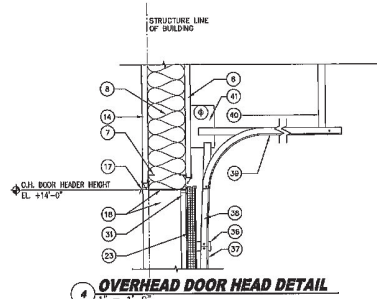
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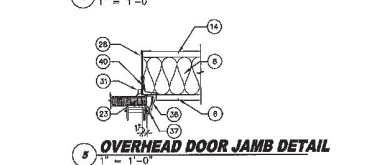
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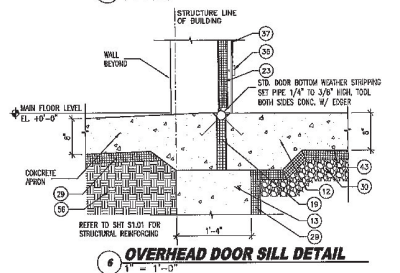
3 PIT DRAIN DETAIL
1" = 1'-0"



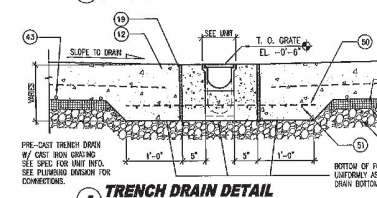
4 OVERHEAD DOOR HEAD DETAIL
1" = 1'-0"



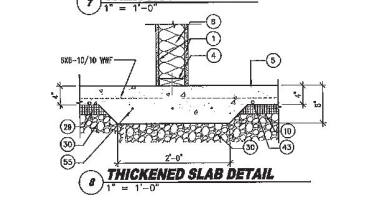
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1" = 1'-0"



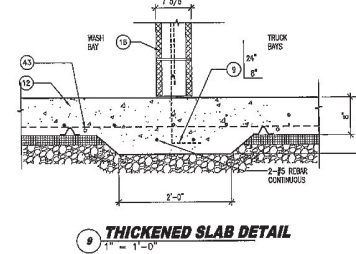
6 OVERHEAD DOOR SILL DETAIL
1" = 1'-0"



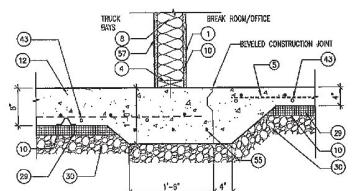
7 TRENCH DRAIN DETAIL
1" = 1'-0"



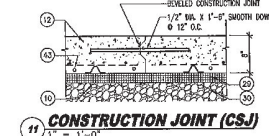
8 THICKENED SLAB DETAIL
1" = 1'-0"



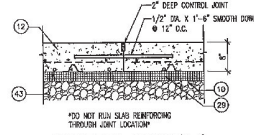
9 THICKENED SLAB DETAIL
1" = 1'-0"



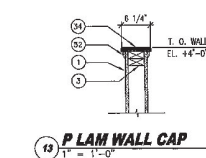
10 THICKENED SLAB DETAIL
1" = 1'-0"



11 CONSTRUCTION JOINT (CSJ)
1" = 1'-0"



12 CONTROL JOINT (CJ)
1" = 1'-0"



13 P LAM WALL CAP
1" = 1'-0"

GENERAL NOTES

KEY NOTES

- | | |
|---|---------------------------|
| 1 1/4" CURBISH BAND | 31 WEENER-STRIPING |
| SEEL. BEAM BY METAL BLEDG. W/ 2 - #4 BARS | 32 1" GYM BOSS BEAM LEVEL |
| 2 2x4 WOOD STUD FRAMING | 33 2x4 WOOD STUD FRAMING |
| 3 2x6 WOOD STUD FRAMING | 34 2x6 WOOD STUD FRAMING |
| 4 GRANITE BOARD W/ ANTI-SLIP INF. | 35 2x6 WOOD STUD FRAMING |
| 5 METAL LINER PANEL | 36 2x6 WOOD STUD FRAMING |
| 6 AS PROVIDED BY THE METAL DRILING MANUFACTURER | 37 2x6 WOOD STUD FRAMING |
| 7 BATT INSULATION | 38 2x6 WOOD STUD FRAMING |
| 8 #5 BARS @ 24" O.C. | 39 2x6 WOOD STUD FRAMING |
| 9 W/WRK BARBER | 40 2x6 WOOD STUD FRAMING |
| 10 3/4" WOOD FLASHING | 41 2x6 WOOD STUD FRAMING |
| 11 3/4" WOOD FLASHING | 42 2x6 WOOD STUD FRAMING |
| 12 TRACHEITE FLOOR SLAB - REFER TO SHT FOR REINFORCING | 43 2x6 WOOD STUD FRAMING |
| 13 3/4" 1x6 PLYWOOD SUBFLOOR | 44 2x6 WOOD STUD FRAMING |
| 14 FLOORING WALL - REFER TO SHT FOR REINFORCING | 45 2x6 WOOD STUD FRAMING |
| 15 METAL WALL PANEL | 46 2x6 WOOD STUD FRAMING |
| 16 HORIZONTAL WALL CRT | 47 2x6 WOOD STUD FRAMING |
| 17 2" DEEP CONTROL JOINT @ 12' O.C. | 48 2x6 WOOD STUD FRAMING |
| 18 1/2" DIA. X 1'-0" SMOOTH BOWELS | 49 2x6 WOOD STUD FRAMING |
| 19 1/2" DIA. X 1'-0" SMOOTH BOWELS | 50 2x6 WOOD STUD FRAMING |
| 20 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 51 2x6 WOOD STUD FRAMING |
| 21 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 52 2x6 WOOD STUD FRAMING |
| 22 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 53 2x6 WOOD STUD FRAMING |
| 23 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 54 2x6 WOOD STUD FRAMING |
| 24 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 55 2x6 WOOD STUD FRAMING |
| 25 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 56 2x6 WOOD STUD FRAMING |
| 26 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 57 2x6 WOOD STUD FRAMING |
| 27 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 58 2x6 WOOD STUD FRAMING |
| 28 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 59 2x6 WOOD STUD FRAMING |
| 29 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 60 2x6 WOOD STUD FRAMING |
| 30 2" X 2" ST. W/WRK PROLONGED KEY W/ CONTROLLED EXPANSION WATER-SHOP @ PERIMETER | 61 2x6 WOOD STUD FRAMING |

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ARCHITECTS

DATE: 1/20/2009
PROJECT: 07139

CONSTRUCTION DETAILS

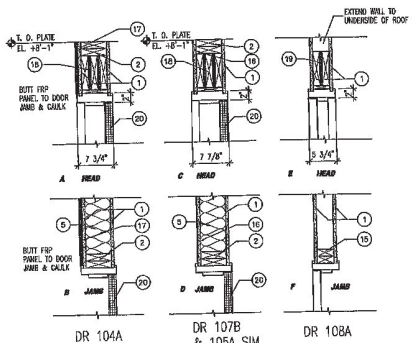
WOODBURY COUNTY
MAINTENANCE FACILITY
MOWILLE, IOWA

SHEET

A4.03

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR						FRAME						LABEL	HOWEL	KEY NOTES	DOOR NO.
	WIDTH	HEIGHT	THK.	MAT.	FINISH	TYPE	DETAIL			HEAD	JAMB	SILL				
							1/M.A.03 SM	1/M.A.03 SM	2/M.A.03 SM							
101A	3'-0"	7'-0"	1 3/4"	HM	PT	1	HM	PT	A	1/M.A.03 SM	1/M.A.03 SM	2/M.A.03 SM	---	---	---	101A
101B	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 101B
102A	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 102A
102B	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 102B
102C	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 102C
102D	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 102D
102E	16'-0"	14'-0"	2"	MFL	PF	5	MFL	---	---	4/M.A.03	5/M.A.03	6/M.A.03	---	---	---	OVERHEAD DOOR 102E
103A	3'-0"	7'-0"	1 3/4"	HM	PT	2	HM	PT	A	1/M.A.03 SM	1/M.A.03 SM	2/M.A.03 SM	---	---	---	103A
104A	3'-0"	7'-0"	1 3/4"	HM	PT	2	HM	PT	A	135/A5.01	135/A5.01	---	45 WH	3	---	104A
105A	3'-0"	7'-0"	1 3/4"	HM	PT	2	HM	PT	A	135/A5.01	135/A5.01	---	---	4	---	105A
107A	3'-0"	7'-0"	1 3/4"	HM	PT	1	HM	PT	A	1/M.A.03	1/M.A.03	2/M.A.03	---	---	---	107A
107B	3'-0"	7'-0"	1 3/4"	HM	PT	3	HM	PT	A	135/A5.01	135/A5.01	---	45 WH	2	---	107B
108A	3'-0"	7'-0"	1 3/4"	HM	PT	4	HM	PT	A	135/A5.01	135/A5.01	---	45 WH	3	---	108A



H.M. DOOR - HEAD & JAMB DETAILS

ROOM FINISH SCHEDULE

RM. NO.	ROOM NAME	FLOOR	FLR FIN	BASE	WALLS								CEILING		REMARKS	RM. NO.		
					NORTH	FINISH	SOUTH	FINISH	EAST	FINISH	WEST	FINISH	MATERIAL	FINISH			HEIGHT	
101	WASH BAY	CONC	---	---	M/P	---	M/P	---	OS/FRP	---	M/P	---	M/P	---	16'-0"	METAL LINER TO LINE	101	
102	TRUCK BAYS	CONC	---	---	M/P/ES	---	M/P/ES	---	FRP/P1	CB	---	ES	---	16'-0"	METAL LINER TO 11'-0" A.F.F.	102		
103	WORK AREA	CONC	---	---	M/P	---	OS	FRP/P1	M/P/ES	---	---	ES	---	16'-0"	METAL LINER TO 11'-0" A.F.F.	103		
104	MECHANICAL	CONC	---	---	CB	FRP	PLY	FRP	FRP	FRP	FRP	FRP	ES	8'-1"	---	104		
105	TOILET	CONC	FS	---	CB	FRP	CB	FRP	CB	FRP	CB	FRP	PT	CB	PT	8'-1"	---	105
106	BREAK ROOM	CONC	FS	WB	CB	PT	CB	PT	CB	PT	CB	PT	CB	PT	8'-1"	---	106	
107	OFFICE	CONC	FS	WB	CB	PT	CB	PT	CB	PT	CB	PT	CB	PT	8'-1"	---	107	
108	LOIT	NO	---	---	CB	PT	ES	---	ES	---	ES	---	PT	ES	---	CLG. HC. VARIOUS	108	

ROOM FINISH LEGEND

- CONC. CONCRETE
- OS EXPOSED STRUCTURE
- FRP FIBERGLASS REINFORCED PLASTER
- CB CYCLUM BOARD
- M/P METAL LINER PANEL
- FRP FIBROD
- ES VINYL ESSE
- FS FLOOR SCALER

KEY NOTES

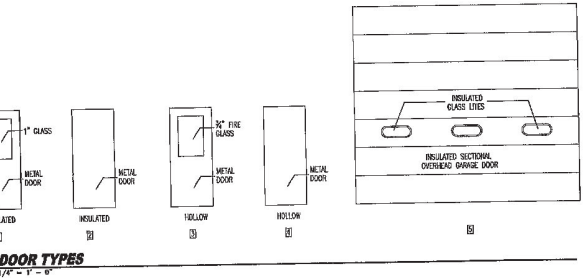
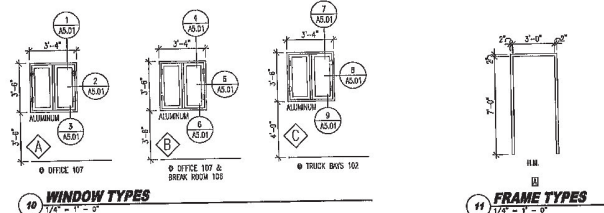
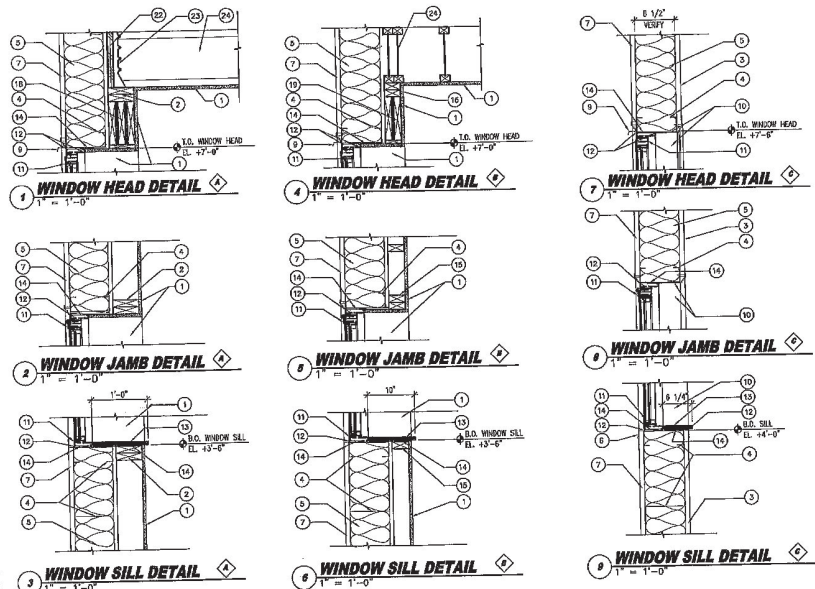
- 1 5/8" CYCLUM BOARD
- 2 2X4 WOOD STUD FRAMING
- 3 METAL LINER PANEL
- 4 AS PROVIDED BY THE METAL BUILDING MANUFACTURER
- 5 BUTT INSULATION
- 6 1/4" WALL FLASHING
- 7 METAL LINER PANEL
- 8 SEE EXTERIOR FINISHING
- 9 HORIZONTAL WALL GRIP
- 10 FIBRODISED DREP CAP
- 11 METAL ESSE FLASHING
- 12 ALUMINUM HANDING
- 13 CHALK MARKER TOIT
- 14 PLASTIC SHIMMERS BY 5/8" FIBROD SUBSTRATE
- 15 SHIM - AS REQUIRED
- 16 2X4 WOOD STUD FRAMING
- 17 FRP PANEL W/ 5/8" GYP. BOARD SUBSTRATE
- 18 FRP PANEL W/ 1/2" PLYWOOD SUBSTRATE
- 19 3 PLY - 2X6 HEADER W/ 1/2" PLYWOOD SPACERS
- 20 2 PLY - 2X6 HEADER W/ 1/2" PLYWOOD SPACERS
- 21 INSULATED METAL DOOR
- 22 HOLLOW METAL DOOR
- 23 SHIM ADJUST
- 24 FIBRODISED METAL HANDING (1700) CAPACITY
- 25 11 1/2" x 105" @ 12" O.C.

REVISIONS

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 PLOT DATE: 1/7/2009 2:01 PM



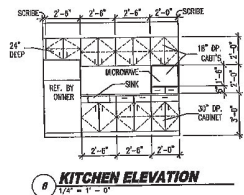
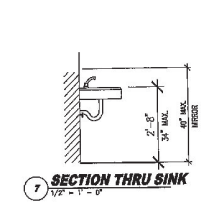
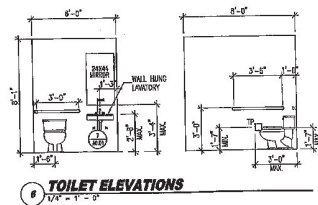
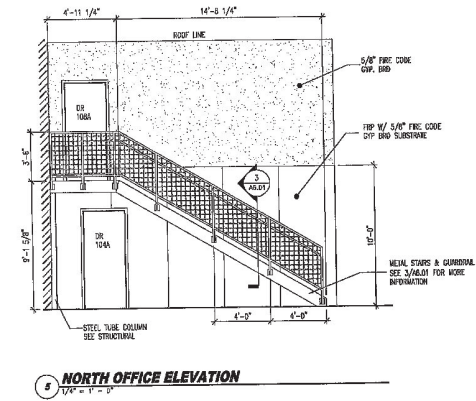
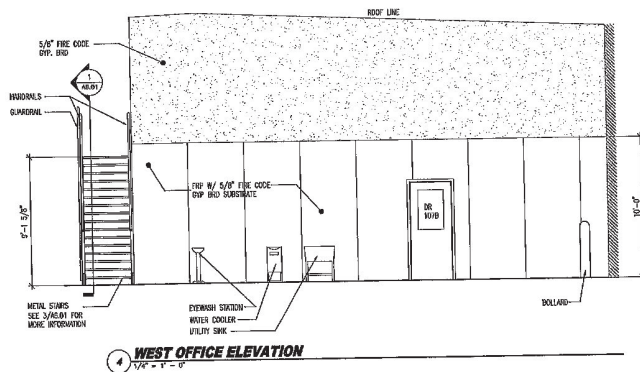
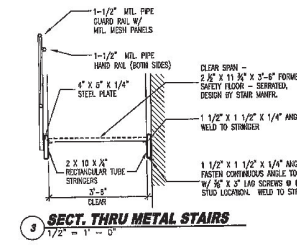
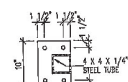
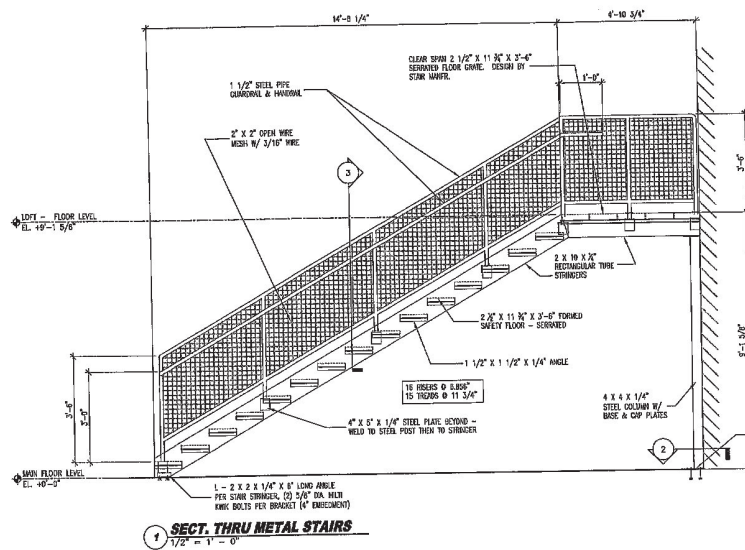
Cannon Moss Brygger & Assoc.
 ARCHITECTS
 PROJECT 07139

DATE 1/20/2009

DOOR WINDOW SCHEDULES

WOODBURY COUNTY MAINTENANCE FACILITY
 MOBILE, IOWA

SHEET **A5.01**



GENERAL NOTES

KEY NOTES

REVISIONS

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12/02/2009
 PROJECT
 07139

INTERIOR ELEVATIONS

WOODBURY COUNTY
 MAINTENANCE FACILITY
 BHOVILLE, IOWA

SHEET
A6.01

FILE LOCATION: L:\WOODSBURY\2008\07139-01-01-01 INTERIOR ELEVATIONS.rvt
 DATE: 1/7/2009 8:58 AM
 POST DATE: 1/7/2009 8:58 AM

FOUNDATIONS

- GENERAL
 - FOUNDATION DESIGN IS BASED UPON A SOIL REPORT AND FOUNDATION DESIGN RECOMMENDATIONS PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER. FOUNDATION DESIGN IS BASED ON A REPORT DATED OCTOBER 14, 2008 (SEE PROJECT 08237) CONDUCTED BY RYAN AND FREUND, INC. SEE SPECIFICATIONS FOR FOUNDATION DESIGN AND RECOMMENDATIONS. FOUNDATION DESIGN FOR SOILS THAT CAN ACHIEVE A BUOYANT CAPACITY OF 5000PSF.
 - PROTECT FOUNDATION EXPOSURES FROM FROST; DO NOT PLACE CONCRETE ON FROZEN GROUND.
 - FOUNDATION DIMENSIONS SHALL BE NOTED FIRST ON LISTS MATERIAL AND SHOWN ON WALLS AND SHALL BE CHECKED AND APPROVED BY GEOTECHNICAL ENGINEER BEFORE THE PURCHASE OF CONCRETE.
 - FROST DEPTH = 42" COMPARED TO FOUNDATION WITH GRADING SHALL BE MINIMUM BUT SHOWN REINFORCEMENT ABOVE BOTTOM OF ALL FOOTINGS.
 - PROTECT FOUNDATION EXPOSURE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, THE CODE AND SOILS REPORT.
 - SOIL AMPLIFICATION AND ALL FOUNDATION TO BE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE AND THE SOILS REPORT.
 - CONSTRUCTION DETAILS FOR ALL SLAB-ON-GRADE SHALL BE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE AND THE SOILS REPORT.
 - ALL FOOTINGS SHALL BE ON UNDISTURBED SOIL OR ENGINEERED FILL CONFORMING TO AS NOTED FOR FOUNDATION PROTECT CODES IN ACCORDANCE WITH ASTM-D883.
 - ANY WALL AND FOUNDATION TO BE INSULATED IN 4" TO 6" UITS CONFORMING TO AS NOTED FOR FOUNDATION PROTECT CODES IN ACCORDANCE WITH ASTM-D883.
 - ALL FOUNDINGS TO BE CONCRETE UNLESS OTHER WALL TYPES OR COLUMN UNLESS OTHERWISE NOTED.

QUALITY CONTROL NOTES

SPECIAL INSPECTION:
THE FOLLOWING WORK IS REQUIRED TO BE SPECIAL INSPECTED IN ACCORDANCE TO STANDARD INSPECTION FOR CONCRETE (S101) REQUIREMENTS.

TESTING SHALL BE MADE IN ACCORDANCE WITH THE CURRENT CODE BY AN APPROVED SPECIAL TESTING LAB ON SPREADS, INSPECTION REQUIRED BY THE OWNER.

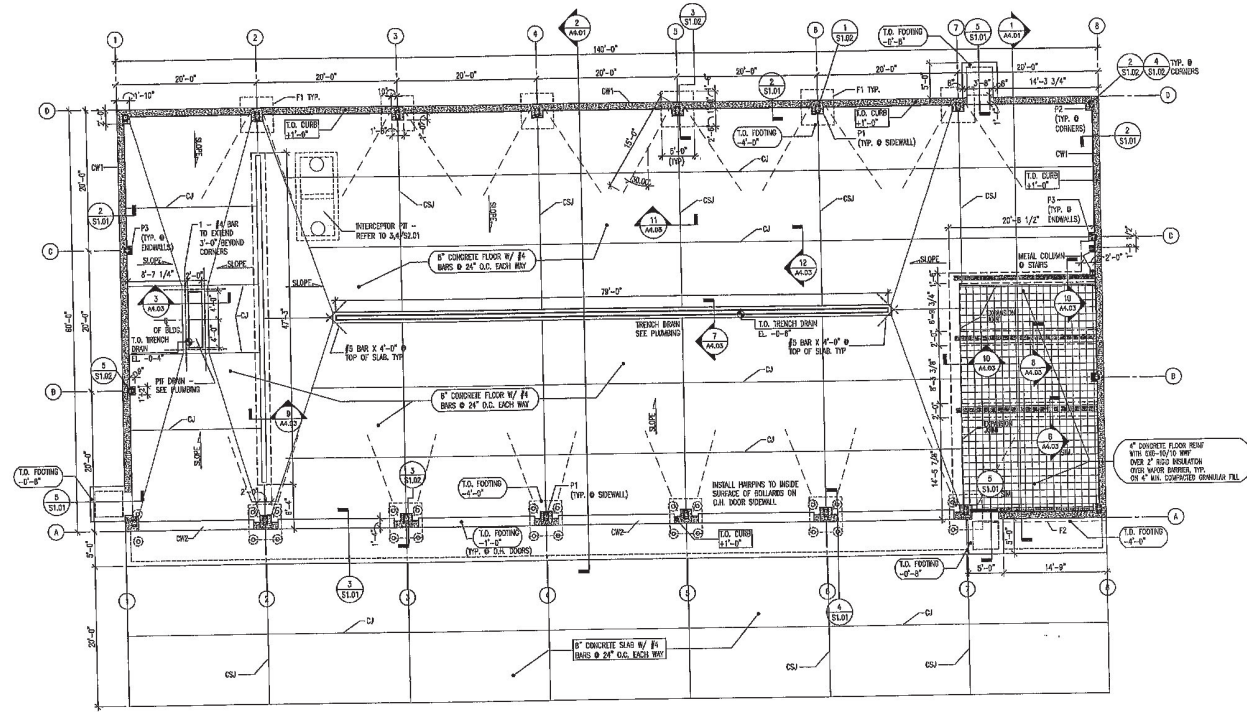
ITEM	TESTING REQUIREMENTS REQUIRED FOR "TYPICAL"	FREQUENCY
1. UNBLENDED STEEL	TENSILE STRENGTH	PERIODIC
2. REINFORCING STEEL	TENSILE STRENGTH	PERIODIC
3. MASONRY	UNIT & JOINT TESTS	PERIODIC

KEY NOTES

- THE FOLLOWING WORK ITEMS ARE REQUIRED TO BE TESTED PER THE SECTION TITLE.
- | ITEM | TESTING REQUIREMENTS | FREQUENCY |
|--------------------------|----------------------|-----------|
| 1. FOUNDATION | FOUNDATION TESTS | PERIODIC |
| 2. FOUNDATIONAL CONCRETE | FOUNDATION TESTS | PERIODIC |
- SIDE FINISHES:**
SIDE FINISHES TO BE SUPPLIED TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW.
- SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING ITEMS:**
- | ITEM | P.L. SCHEDULE |
|------------------------------|---------------|
| 1. UNBLENDED STEEL | REQUIRED |
| 2. CONCRETE REINFORCEMENT | NOT REQUIRED |
| 3. STEEL JOINTS | NOT REQUIRED |
| 4. MASONRY REINFORCING STEEL | NOT REQUIRED |
- SHOP DRAWINGS TO INCLUDE BUT NOT BE LIMITED TO:**
LOADS, WALL, COLUMN, LAP LENGTHS, REINFORCEMENT, MEMBER, SYSTEM, QUANTITY, SPACING, ELEVATED CONNECTIONS, UNBLENDED STEEL, ETC.

CONCRETE REINFORCEMENT

- GENERAL
 - ALL REINFORCING STEEL TO BE ASTM-A618, GRADE 60 (FY=60,000) SCHEDULE 40S UNLESS OTHERWISE NOTED.
 - REINFORCING BARS SHALL BE INSTALLED IN FLAT SLEETS AND BE COVERED BY 3/4" (MIN. COVER).
 - ALL REINFORCING BARS TO BE SCHEDULE 40S UNLESS OTHERWISE NOTED. ALL REINFORCING BARS TO BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF AC-308 MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION.
 - ALL REINFORCING INCLUDING BARS SHALL BE REBARED AND CAST WITH THE CONCRETE. REBARING SHALL BE PLACED AFTER CONCRETE IS PLACED AND FINISHED IN THE FORMS.
 - REINFORCING OF FORMWORK IS NOT ALLOWED. (NO)
 - REINFORCING OF FORMWORK IS NOT ALLOWED. (NO)
 - REINFORCING SHALL BE CONCRETE LAP SPICES OR WELDED TO THE BARS WITHIN 12" (MINIMUM) OF EACH END. ALL SPICES TO BE CONFORMING TO AC-308.1.
 - CONCRETE REINFORCING SHALL BE REBARED AND BE THE SAME SIZE AND SPACING AS NOTED.
 - PROTECT REINFORCING BARS TO MATCH REINFORCING OF ALL CONCRETE AND INTERSECTIONS. (SEE DRAWING 08237)
 - OFFICE AREA TO 4" CONCRETE REINFORCING WITH 6/8 @ 12" TO BE REBARED UNLESS OTHERWISE NOTED. (CONCRETE TO BE REBARED WITH 6/8 @ 12" UNLESS OTHERWISE NOTED). ALL REINFORCING TO BE 6/8 @ 12" UNLESS OTHERWISE NOTED.
 - SLABS UNDER ALL UNFINISHED INTERIOR WALLS TO BE REINFORCED TO 4" AND 6/8 @ 12" UNLESS OTHERWISE NOTED. (CONCRETE TO BE REBARED WITH 6/8 @ 12" UNLESS OTHERWISE NOTED).
 - REINFORCING OF FORMWORK IS NOT ALLOWED. (NO)
 - REINFORCING OF FORMWORK IS NOT ALLOWED. (NO)
 - REINFORCING OF FORMWORK IS NOT ALLOWED. (NO)



1 FOOTING - FOUNDATION PLAN
1/8" = 1'-0"

FOOTING SCHEDULE

DESIGNATION	SIZE	REINFORCEMENT	NOTES
F1	2'-0" X 8'-0" X 12"	(4) #5 EA. WAY	(S) #5 CONTINUOUS
F2	2'-0" X 12"	(4) #5 CONTINUOUS	

GENERAL NOTES:
1. TOP OF FOOTING ELEVATION NOTED AS _____

CONTINUOUS FOUNDATION WALL SCHEDULE

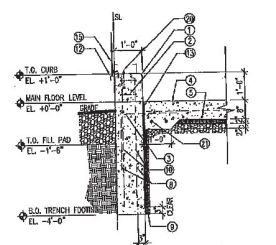
DESIGNATION	THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	NOTES
CM1	DOUBLE WALL	(4) #5 PER WAY	(4) #5 @ 12" O.C. PER WAY	
CM2	DOUBLE WALL	(4) #5 PER WAY	(4) #5 @ 12" O.C. PER WAY	

GENERAL NOTES:
1. TOP OF WALL ELEVATION NOTED AS _____

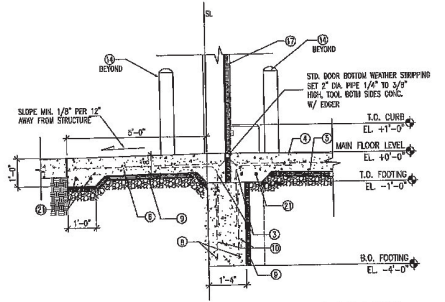
PIER SCHEDULE

DESIGNATION	SIZE	VERTICAL REINFORCEMENT	REINFORCEMENT	BEARING PLATE	TOP OF PIER EL. SEE NOTE 4.
P1	1'-0" X 1'-0"	(4) #5	#4 @ 12" O.C.	3/4" VERT. 1/4" HORIZ.	+1'-0"
P2	1'-0" X 1'-0"	(4) #5	#4 @ 12" O.C.	3/4" VERT. 1/4" HORIZ.	+1'-0"
P3	1'-0" X 1'-0"	(4) #5	#4 @ 12" O.C.	---	+1'-0"

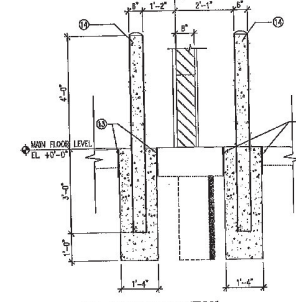
PIER CONCRETE GENERAL NOTES:
1. DOWN BAR SIZE & NUMBER TO MATCH VERTICAL REINFORCEMENT.
2. DOWN BARS TO BE BENT TO ADDRESS PERIMETER OF FOOTING.
3. PILES TO BE CAST MANUALLY WITH WALL.
4. TOP OF PIER ELEVATION IS TO THE TOP OF CONCRETE WHICH BASE PLATE RESTS ON.



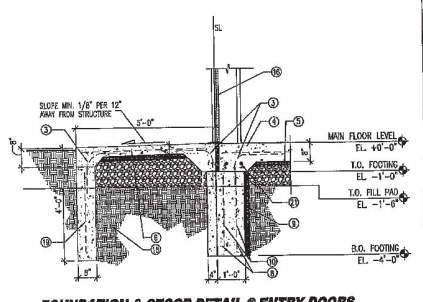
2 FOUNDATION DETAIL
1/2" = 1'-0"



3 FOUNDATION & STOOP DETAIL @ O.H. DOOR
1/2" = 1'-0"



4 BOLLARD DETAIL
1/2" = 1'-0"



5 FOUNDATION & STOOP DETAIL @ ENTRY DOORS
1/2" = 1'-0"

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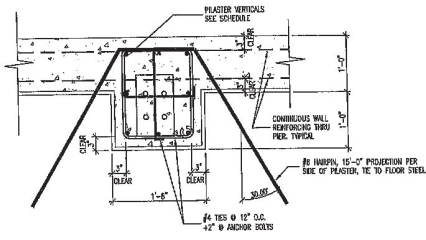
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ARCHITECTS
DATE: 12/02/09 PROJECT: 07139

FOOTING FOUNDATION PLAN

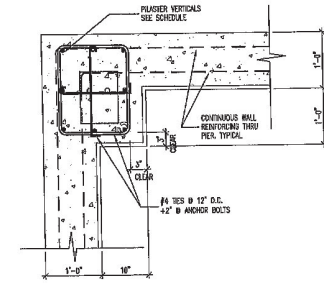
WOODBURY COUNTY MAINTENANCE FACILITY
MOVILLE, IOWA

SHEET
\$1.01

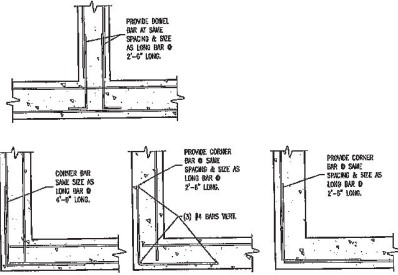
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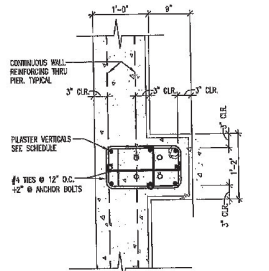
1 PIER DETAIL "P1"



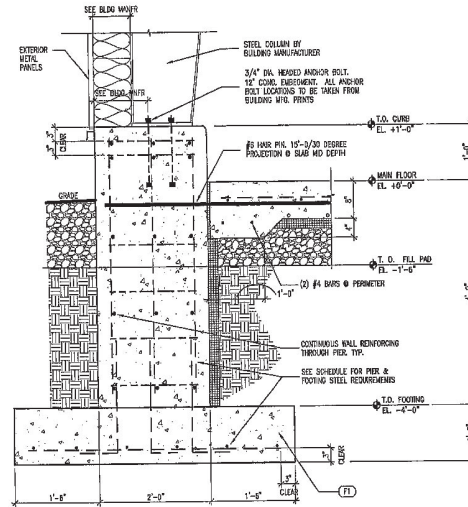
2 PIER DETAIL "P2"



4 TYP. REINFORCING WALL CORNER DETAILS



5 PIER DETAIL "P3"



3 PILASTER DETAIL

GENERAL NOTES

1. REFER TO SHEET SLO1 FOR FOUNDATION SCHEDULES, CONTINUOUS WALL FOUNDATION SCHEDULES, & TIE SCHEDULES.

KEY NOTES

REVISIONS

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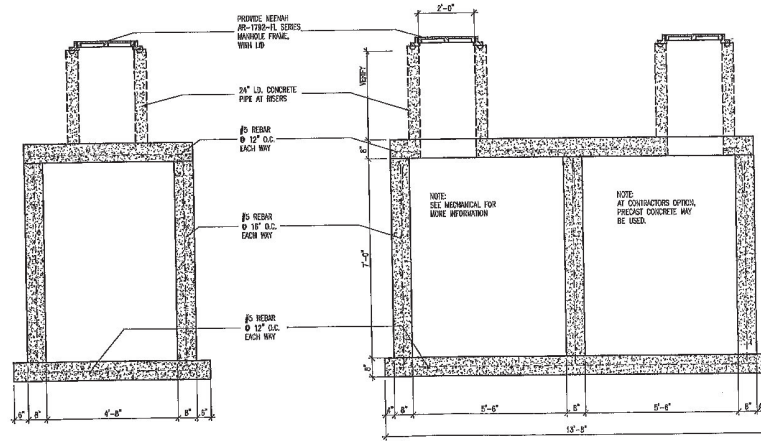
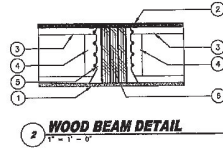
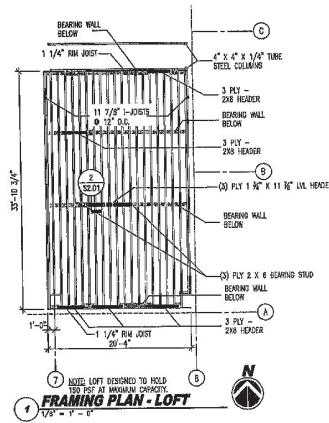
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DATE: 1/20/2009
 PROJECT: 07139

FOOTING & FOUNDATION DETAILS

WOODBURY COUNTY
MAINTENANCE FACILITY
 MOVILLE, IOWA

SHEET
S1.02



WOOD

- A. GENERAL WOOD FRAMING
 1. DESIGN AND CONSTRUCTION OF ALL WOOD MEMBERS SHALL BE AS A SEVERAL COMPONENT TO BE IN ACCORDANCE WITH THE CODES AND THE FOLLOWING:
 - A. NATIONAL DESIGN SPECIFICATIONS FOR WOOD AND POSITIONING OF WOOD MEMBERS (NDS)
 - B. WESTERN WOOD PRODUCTS ASSOCIATION
 - C. NATIONAL LUMBER MANUFACTURERS ASSOCIATION
 - D. NATIONAL TRUSS MANUFACTURERS ASSOCIATION (NTMA)
 - E. NATIONAL WOOD PRESERVATION ASSOCIATION (NWPA)
 - F. U.S. PROTECTIVE SPRINKLING SYSTEMS
2. ALL WOOD FOR LOAD BEARING APPLICATIONS - BEAMS, COLLARS, STUDS, BLOOMS, RAFTERS AND MISCELLANEOUS LAMINATE - SHALL BE AS SCHED. DRY (KIDNEY-SHAPED) UNLESS NOTED OTHERWISE. MEMBERS SPECIFIED FOR USE IN STRUCTURAL COLLARS AND BEAMS (INCLUDING BRACES) SHALL BE TWO (2) ANY SHAPES UNLESS (A) CHECKING, WARPING, etc.) AT THE OF ERECTION.
 3. NO SPACING OF LOAD BEARING STUDS SHALL BE ALLOWED UNLESS NOT OTHERWISE SPECIFIED.
 4. ALL FRAMING NOT SPECIFICALLY DETAILED IN THE DRAWINGS SHALL MEET THE REQUIREMENTS OF THE REFERENCED DESIGN DRAWING CODE AS A MINIMUM.
 5. ALL TRUSS COMPONENTS IN DIRECT CONTACT WITH CONCRETE SHALL BE TREATED OR OTHERWISE PROTECTED FROM DESTRUCTIVE ELEMENTS.
 6. STRAP TIES AND OTHER INCIDENTS TO BE BY "STRAP-BRACE" TYPE AS NOTED ON THE PLAN OR EQUAL.
 7. ALL EXTERIOR TO BEARING WOOD SHALL BE HOT DIPPED GALVANIZED (ZINC) OR EQUAL.
 8. MAX. ALL WOOD MEMBERS IN ACCORDANCE WITH MC TABLE 2.3.2.1.1 UNLESS NOTED OTHERWISE BY CONTRACTOR DRAWINGS.
 9. LAMINATED VENEER LAMINATE (LVL) SHALL BE TYPE-III, USE MATERIALS ALL TYPES OF END JOINTS WITH WELLS AND JOINTS IN EACH JOINT APPROXIMATE PER MANUFACTURERS RECOMMENDATIONS.
 10. METAL ALL MEMBERS IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS.
 11. ALL EXTERIOR MEMBERS TO BE BURNED, TREATED, OR OTHERWISE PROTECTED FROM THE ELEMENTS.
 12. BOTTOM PLATES OF NON-LOAD BEARING WALLS CAN BE ANCHORED TO CONCRETE FLOOR WITH (A) CONCRETE NAILS OR POWER-DRIVEN FASTENERS (B) 2\"/>
13. 2\"/>
14. ALL MEMBERS USED IN EXTERIOR APPLICATIONS TO BE NON-FRANING AND NON-CORRODIVE.
15. MANUFACTURED WOOD TRUSSES
 - A. WOOD TRUSS DESIGN AND EREP DRAWINGS TO BE COVERED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECTS LOCALITY.
 - B. FLAKE CONNECTED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE TRUSS PLATE INSTUTES NATIONAL DESIGN STANDARDS FOR METAL FLAKE CONNECTED CONSTRUCTION (TR-1) TRUSSES TO BE DESIGNED PER REQUIREMENT OF MC-2008 AND ASSC 07.
 - C. THE MAXIMUM ALLOWABLE DEFLECTION FOR FLOOR TRUSSES ARE:
 1. TOTAL LOAD - L/208
 2. LIVE LOAD - L/480
 - D. THE MAXIMUM ALLOWABLE DEFLECTION FOR ROOF TRUSSES ARE:
 1. TOTAL LOAD - L/750
 2. LIVE LOAD - L/210
 - E. BRAP DRAWING FOR ROOF AND FLOOR TRUSSES, INCLUDING A COPY OF THE DESIGN CALCULATIONS, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 - F. TRUSSES SHALL BE TEMPORARILY AND PERMANENTLY BRACED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - G. THE CENTER TO CENTER SPACING OF THE ROOF TRUSSES SHALL NOT EXCEED 24\"/>
 - G. ALL TRUSS BEARING LOCATIONS TO HAVE A MSP BRAND OR EQUIVALENT HALF-SOFTWOOD ANCHOR.
 - H. UNLESS AND EREP TRUSSES IN ACCORDANCE WITH TR-1 (TR-1).
 - I. TRUSS MANUFACTURER TO DESIGN FOR ALL END POINT LOADS & SHIFTS IN ACCORDANCE WITH ALL APPLICABLE CODES.

SECTION THRU SEPARATOR PIT
1/8" = 1'-0"

SECTION THRU SEPARATOR PIT
1/8" = 1'-0"

GENERAL NOTES

KEY NOTES

- 1. 5/8" DYPHICAL STUDS
- 2. 2" x 4" S4S PLYWOOD SUBFLOOR
- 3. 11 7/8" x 11 7/8" x 12" O.C.
- 4. 1-1/2" x 1-1/2" x 1-1/2" (3/4" x 3/4" x 3/4") WOOD STUDS (BUSH SIZES)
- 5. PRECAST METAL BRACKETS (17003)
- 6. 1 1/4" x 1 1/4" x 11 7/8" LVL BEAM

REVISIONS

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 ARCHITECTS
 23
 12/20/2009
 PROJECT
 07/159

STRUCTURAL FRAMING

**WOODBURY COUNTY
MAINTENANCE FACILITY**
 MOVILLE, IOWA

SHEET
S2.01

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