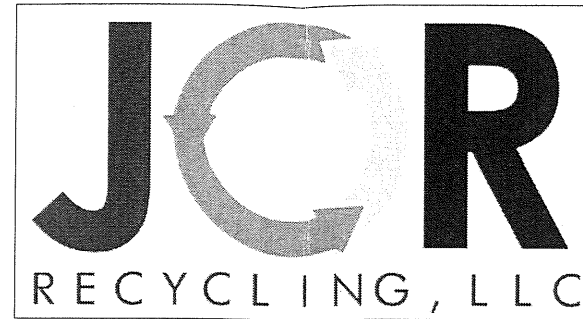


# JCR RECYCLING LLC

## NEW BUILDING

2700 ALREICH AVE  
BALDWIN, WI 54002



### BUILDING LOADS

ROOF LIVE LOAD: 20.00 PSF REDUCIBLE

LOAD BEARING VALUE OF SOIL: 2,000 PSF PRESUMPTIVE

WIND SPEED: 90.00 MPH  
WIND ENCLOSURE: ENCLOSED  
WIND IMPORTANCE FACTOR: Iw: 1.000  
WIND EXPOSURE: C-Kz: 0.919

GROUND SNOW LOAD: Pg: 50.00 PSF  
FLAT ROOF SNOW: pf: 31.50 PSF  
DESIGN SNOW (SLOPED): ps: 31.50 PSF  
SNOW ACCUMULATION FACTOR: 1.000  
SNOW IMPORTANCE FACTOR: Is: 1.000  
GROUND/ROOF CONVERSION: 0.70  
THERMAL FACTOR: HEATED-Ct: 1.00  
ADJUSTED SNOW LOAD: 35 PSF=0.7 Pg Ps Ce I Ct

SEISMIC DESIGN CATEGORY: A

### BUILDING DATA

LOCATION: 2700 ALREICH AVE  
PIN: 106-2082-05-300  
BUILDING TYPE: FACTORY  
MAXIMUM EMPLOYEES PER SHIFT: 10  
PARKING SPACES PROVIDED: 10 PLUS ONE VAN ACCESSIBLE HANDICAP SPACE

SITE SIZE: 3 ACRES

TOTAL AREA: 45,000 SF  
SHOP: 44,640 SF  
OFFICE: 360 SF

OCCUPANCY AREAS: B = 360 SF  
F-1 = 44,640 SF

MAXIMUM EXIT DISTANCE: 125'

CONSTRUCTION TYPE: IIB

THERE WILL BE NO HIGH PILED COMBUSTIBLE STORAGE  
STORAGE OF CLASS I-IV <12' HIGH  
STORAGE OF GROUP A PLASTIC <6' HIGH  
PER IFC CHAPTER 32 & SPS 362.0202

IBC TABLE 503 ALLOWS 15,500 SF BUILDING  
IBC 507.3 BUILDING SIZE UNLIMITED  
IBC 903.2.4 SPRINKLER SYSTEM REQUIRED  
IBC 1011 PROVIDE EXIT LIGHTS PER THIS SECTION  
IBC 1006 PROVIDE EXIT ILLUMINATION PER THIS SECTION

### SHEET INDEX

A000	COVER SHEET
C100	SITE PLAN
C101	EXISTING GRADING PLAN
C102	PROPOSED GRADING PLAN
C103	EROSION CONTROL PLAN
C104	PRE DEVELOPED DRAINAGE PLAN
C105	POST DEVELOPED DRAINAGE PLAN
C106	DETAILS
A100	FLOOR PLAN
A200	ELEVATIONS
A300	BUILDING SECTION/DETAILS
S100	FOUNDATION PLAN VIEW & ANCHOR BOLT DETAILS
S101	FOUNDATION DETAILS

### CONSTRUCTION NOTES

- CONTRACTOR SHALL NOTIFY UTILITIES AND HAVE ALL UTILITIES LOCATED PRIOR TO EXCAVATION.
- CONTRACTOR SHALL SALVAGE AND REPLACE TOPSOIL IN ALL DISTURBED AREAS.
- CONTRACTOR SHALL MAINTAIN TRAFFIC ACCESSIBILITY ALONG PROJECT.
- EXISTING LOCATIONS ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY ALL LOCATIONS.
- CONTRACTOR TO COORDINATE UTILITY CONNECTIONS WITH VILLAGE OF BALDWIN.
- CONTRACTORS SHALL MAINTAIN 8" OF COVER OVER WATER MAIN FROM PROPOSED PROFILE GRADES.
- SEEDING AND MULCHING ARE REQUIRED ON ALL DISTURBED AREAS AND SHALL CONFORM TO SECTION 627 MULCHING AND SECTION 630 SEEDING OF THE STATE OF WISCONSIN DOT STANDARD SPECIFICATIONS. SEED MIXTURE NUMBER 20 SHALL BE USED, UNLESS PRIOR APPROVAL BY THE ENGINEER. TEMPORARY SEED SHALL BE APPLIED, IF CONSTRUCTION EXTENDS PAST SEPTEMBER 1ST, OF ANNUAL RYEGRASS AND OATS AT THE RATE OF 5 POUNDS PER 1000 S.F. OF AREA AND LEFT OVER WINTER. PERMANENT SEEDING SHALL BE COMPLETED THE FOLLOWING SPRING. IF TEMPORARY SEEDING CANNOT BE COMPLETED BEFORE WINTER FREEZE UP THEN ALL DISTURBED AREAS WILL BE MULCHED AT A RATE OF 120 POUNDS PER 1000 S.F. AND PERMANENT SEEDING SHALL BE COMPLETED THE FOLLOWING SPRING.

### GENERAL NOTES

ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AND CODES.

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS.

APPLICABLE BUILDING CODES:  
WISCONSIN BUILDING CODE, IBC 2009, IEBC 2009.

BUILDING SUPERSTRUCTURE BY BUTLER MFG. TO BE SUBMITTED AS A SEPARATE COMPONENT.

**CFBSI** DESIGN BUILD  
GENERAL CONTRACTOR  
**CEDAR FALLS BUILDING SYSTEMS, INC**

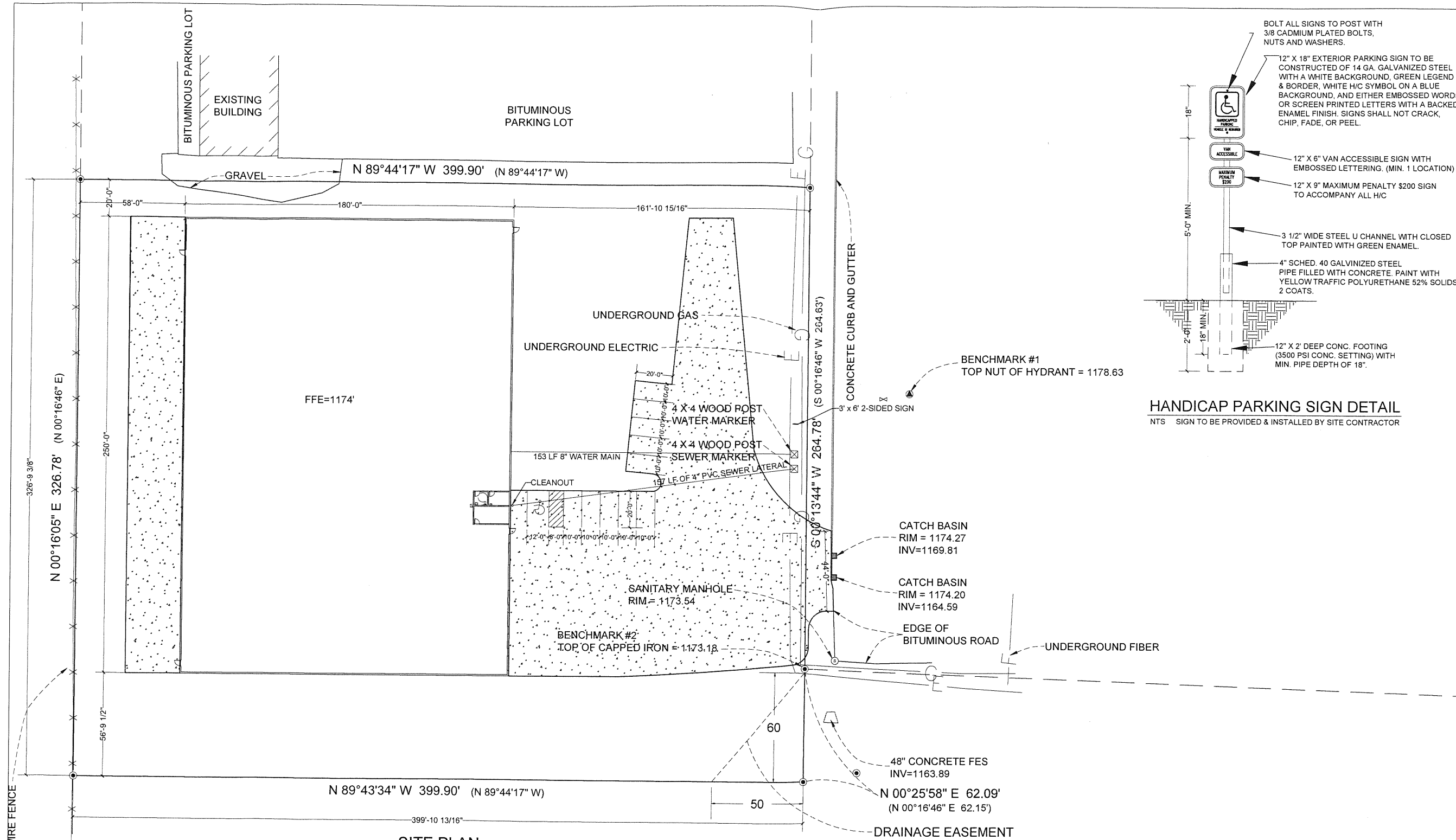
705 Bay Street  
Chippewa Falls, WI  
54729  
(715)723-5511 Phone  
www.cfbsi.com

5455 Freitag Drive  
Menomonie, WI  
54751  
(715)235-3541 Phone  
(715)235-9190 Fax

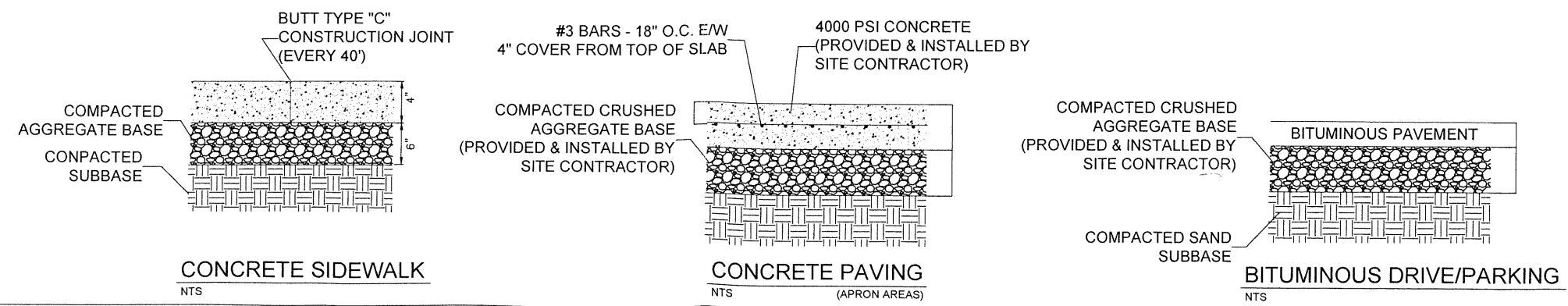
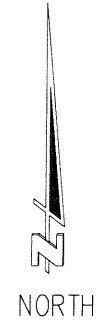
REV	DESCRIPTION	DATE
1	ADDED NOTES	5/4/2018
2	ADDED EROSION CONTROL PLAN	5/11/2018
3	FOR STATE APPROVAL	5/15/2018
4	CHANGED NOTE 5 & ADDED (2) DRAWINGS	5/29/2018

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<b>COVER SHEET</b>	<b>PROJECT NAME</b> NEW BUILDING
	<b>CLIENT NAME</b> JCR RECYCLING
PROJECT: 2018-0007	
DATE: 4/18/2018	
DRAWN BY: MDM	
REVIEWED BY: TDH	
REVISION: 4	
A000	



**SITE PLAN**  
1"=25'-0"



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REV	DESCRIPTION	DATE
1	ADDED 5 PARKING STALLS PER JCR	5/10/2018
2	FOR STATE APPROVAL	5/15/2018
3	CHANGED DRIVEWAY & PARKING, ADDED EASEMENT	5/29/2018

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION THAT CANNOT BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT WRITTEN AUTHORIZATION FROM CFBSI

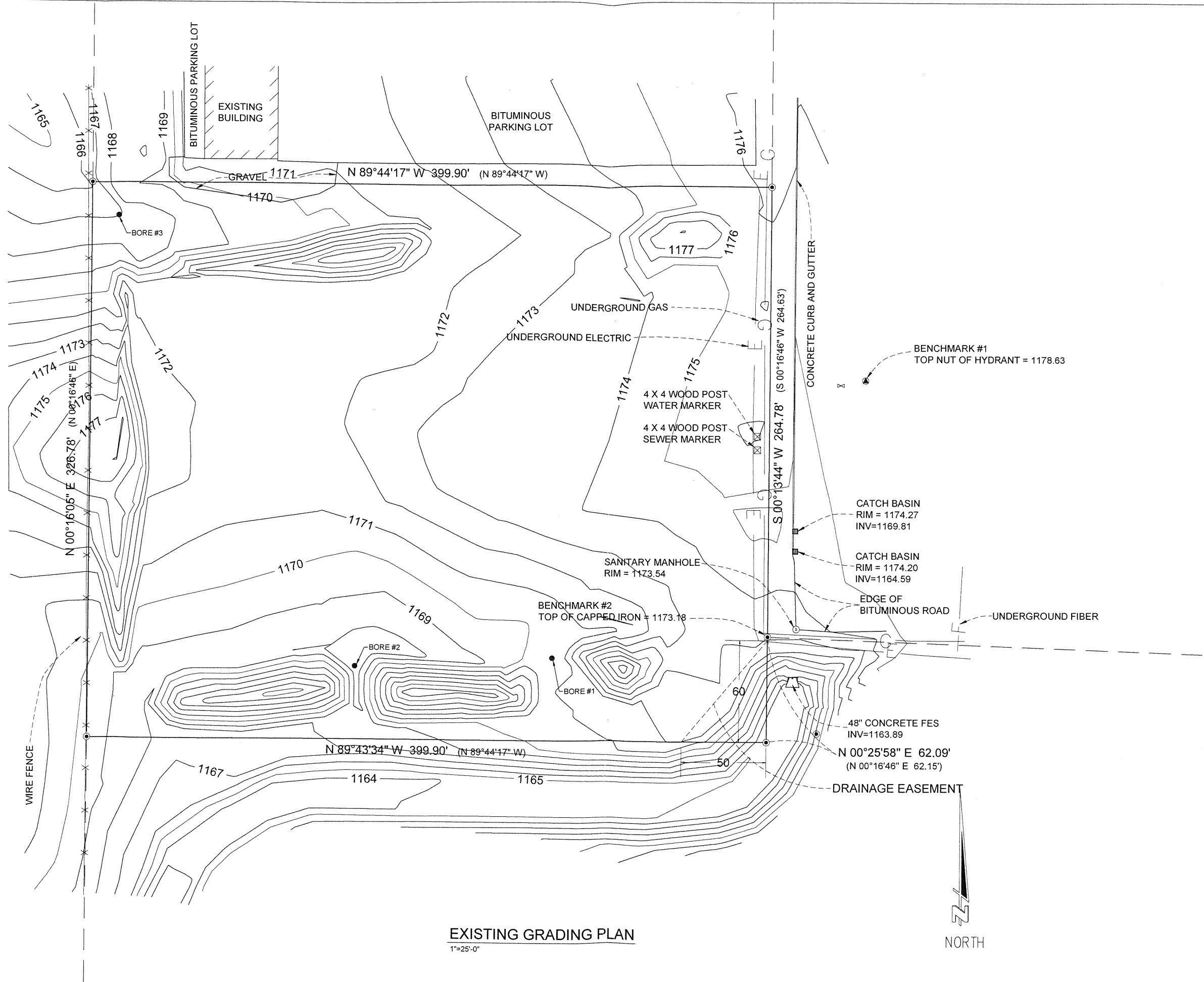
**SITE PLAN**

PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

PROJECT: 2018-0007  
DATE: 4/16/2018  
DRAWN BY: MDM  
REVIEWED BY: TDH  
REVISION: 3

**C100**



**EXISTING GRADING PLAN**  
1"=25'-0"



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(715)235-9190 Fax  
www.cfbsi.com

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Chippewa Falls, WI 54729  
(715)723-5511 Phone  
www.cfbsi.com

REV	DESCRIPTION	DATE
1	FOR STATE APPROVAL	5/15/2018

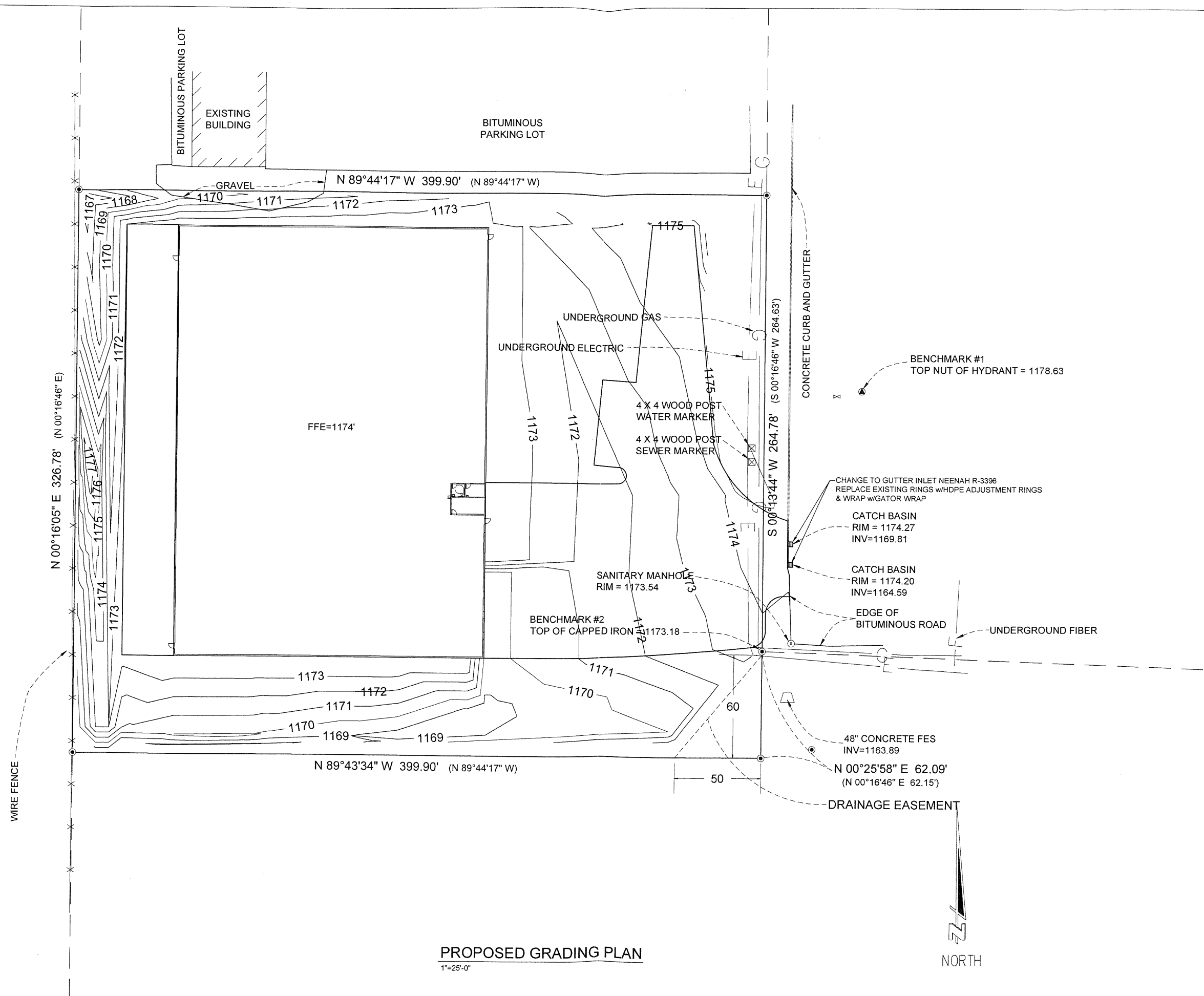
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**EXISTING GRADING PLAN**

PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

PROJECT: 2018-0007
DATE: 4/16/2018
DRAWN BY: MDM
REVIEWED BY: TDH
REVISION: 1



**PROPOSED GRADING PLAN**  
1"=25'-0"



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REV	DESCRIPTION	DATE
1	ADDED 5 PARKING STALLS PER JCR	5/10/2018
2	FOR STATE APPROVAL	5/15/2018
3	CHANGED DRIVEWAY & PARKING, ADDED EASMENT	5/29/2018

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**PROPOSED GRADING PLAN**

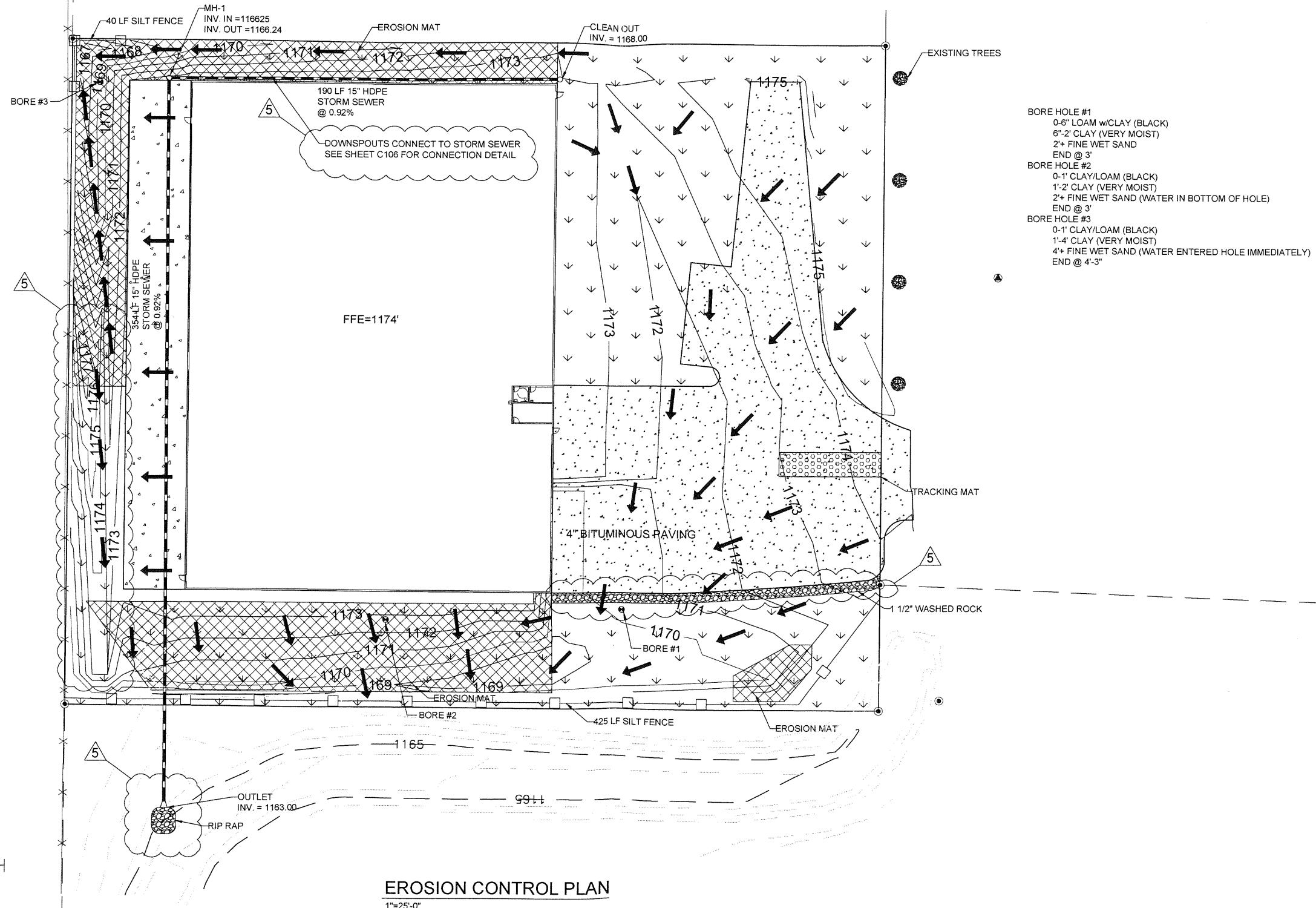
PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

PROJECT: 2018-0007
DATE: 4/16/2018
DRAWN BY: MDM
REVIEWED BY: TDH
REVISION: 3

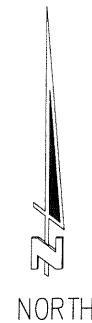
**GENERAL NOTES - EROSION CONTROL**

- 1) ALL AREAS EXCEPT PONDING AREAS, USE SEED MIXTURE NO. 20 FROM "THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND DITCH CONSTRUCTION" ON ALL DITCH SLOPES. APPLY SEED AT A RATE OF 3lbs PER 1000sf.
- 2) MULCH SHALL BE PLACED AT A RATE OF 1-1/2 TO 3 TONS OF MULCH PER ACRE, UNIFORMLY SPREAD TO A LOOSE DEPTH OF 1/2" TO 1-1/2"



**EROSION CONTROL PLAN**

1"=25'-0"



- BORE HOLE #1**  
 0-6" LOAM w/CLAY (BLACK)  
 6"-2' CLAY (VERY MOIST)  
 2+ FINE WET SAND  
 END @ 3'
- BORE HOLE #2**  
 0-1' CLAY/LOAM (BLACK)  
 1'-2' CLAY (VERY MOIST)  
 2+ FINE WET SAND (WATER IN BOTTOM OF HOLE)  
 END @ 3'
- BORE HOLE #3**  
 0-1' CLAY/LOAM (BLACK)  
 1'-4' CLAY (VERY MOIST)  
 4+ FINE WET SAND (WATER ENTERED HOLE IMMEDIATELY)  
 END @ 4'-3'

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 Menomonie, WI 54751  
 (715) 235-3541 Phone  
 (715) 235-9190 Fax

REV	DESCRIPTION	DATE
1	ADDED 5 PARKING STALLS PER JCR	5/10/2018
2	ADDED BORE INFORMATION	5/11/2018
3	FOR STATE APPROVAL	5/15/2018
4	CHANGED DRIVEWAY & PARKING, CHANGED DRAINAGE	5/29/2018
5	CHANGED GRADING & STORM SEWER, ADDED ROCK	

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**EROSION CONTROL PLAN**

PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

PROJECT: 2018-0007
DATE: 4/16/2018
DRAWN BY: MDM
REVIEWED BY: TDH
REVISION: 5



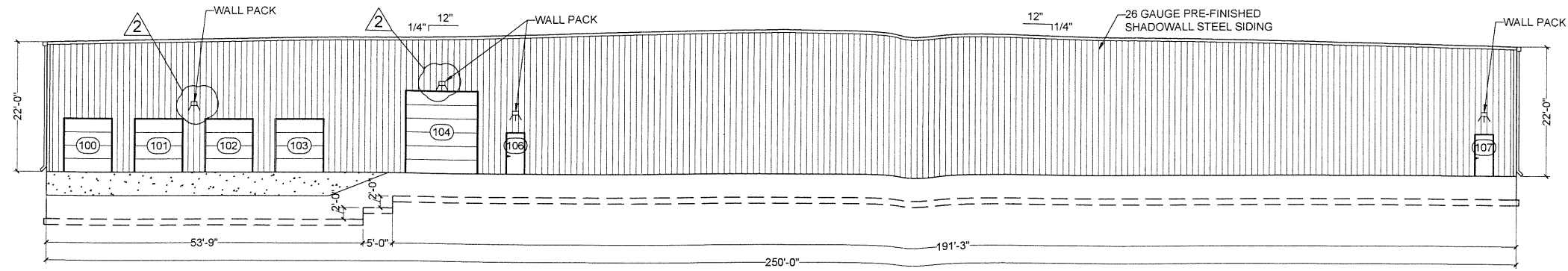




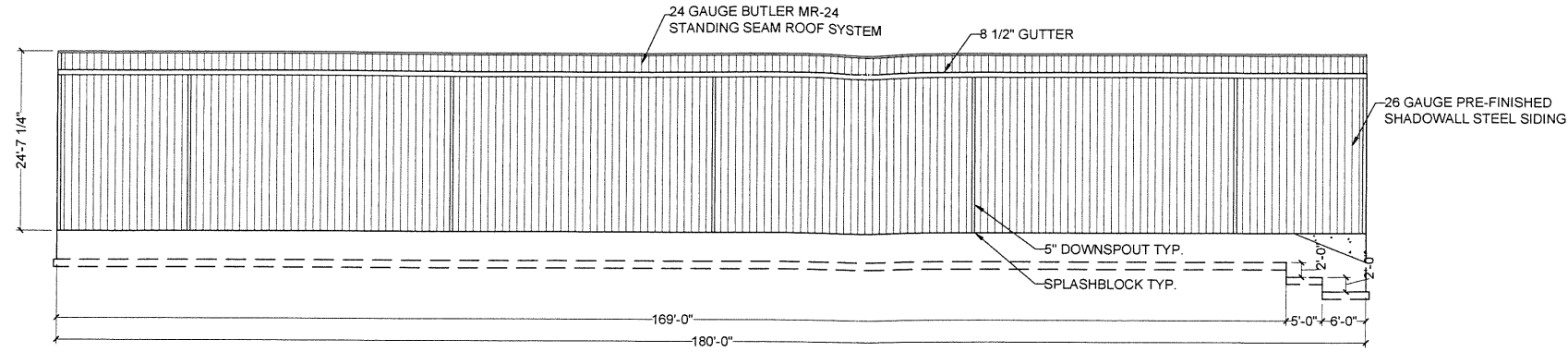




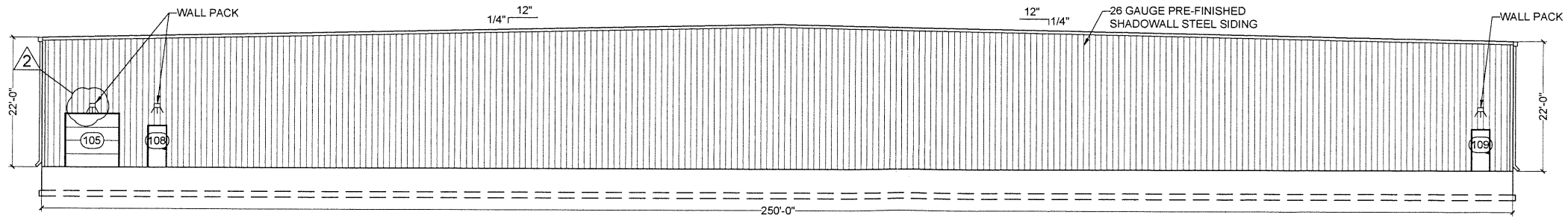




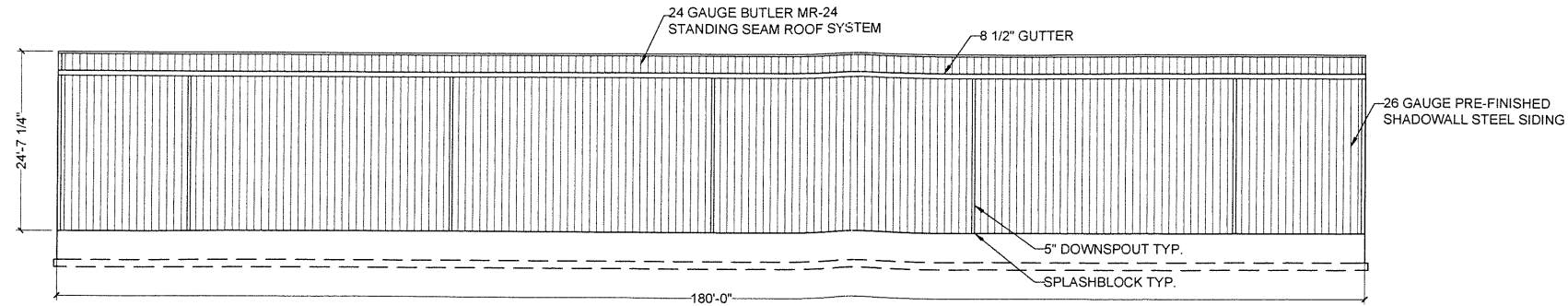
1 EAST ELEVATION  
A200 3/32"=1'-0"



2 SOUTH ELEVATION  
A200 3/32"=1'-0"



3 WEST ELEVATION  
A200 3/32"=1'-0"



4 NORTH ELEVATION  
A200 3/32"=1'-0"

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REV	DESCRIPTION	DATE
1	FOR STATE APPROVAL	5/15/2018

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**BUILDING ELEVATIONS**

PROJECT NAME  
**NEW BUILDING LLC**

CLIENT NAME  
**JCR RECYCLING**

PROJECT: 2018-0007  
 DATE: 4/16/2018  
 DRAWN BY: MDM  
 REVIEWED BY: TDH  
 REVISION: 1

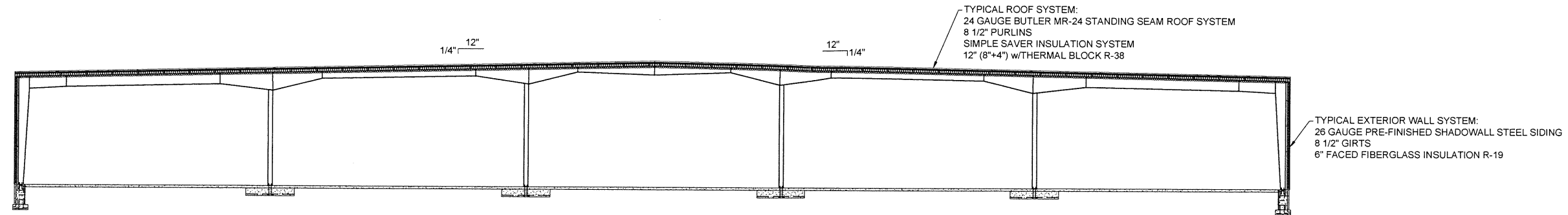
**A200**

**ROOM FINISH SCHEDULE**

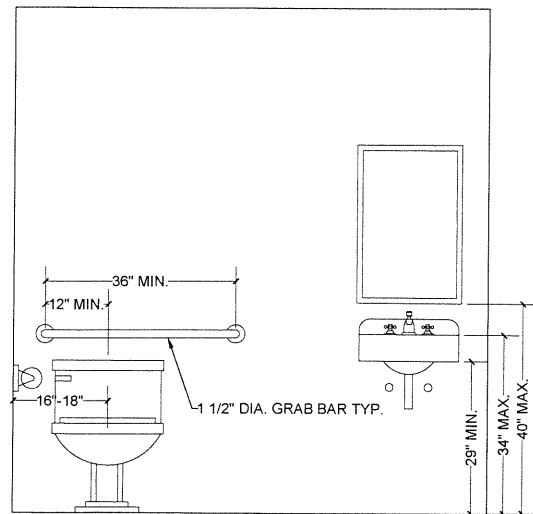
TAG	ROOM	FLOOR BASE MATERIAL	FINISH	BASE	NORTH WALL BASE MATERIAL	FINISH	WEST WALL BASE MATERIAL	FINISH	SOUTH WALL BASE MATERIAL	FINISH	EAST WALL BASE MATERIAL	FINISH	CEILING BASE MATERIAL	FINISH	HEIGHT
101	SHOP AREA	CONCRETE	SEALER	4" VINYL @ OFFICE WALLS	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	22'-0"
102	TOILET ROOM	CONCRETE	SEALER	4" VINYL	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	2'x2' ACOUSTIC TILE	PRE-FINISHED	9'-0"
103	MECH. ROOM	CONCRETE	SEALER	-----	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	2'x2' ACOUSTIC TILE	PRE-FINISHED	9'-0"
104	OFFICE	CONCRETE	SEALER	4" VINYL	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	GYPSUM WALL BOARD	LATEX PAINT	2'x2' ACOUSTIC TILE	PRE-FINISHED	9'-0"

**DOOR SCHEDULE**

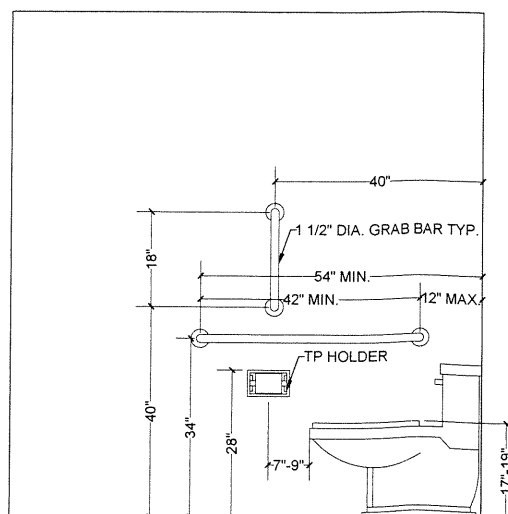
TAG	TYPE	SIZE	HARDWARE	SWING	FINISH
100	INSULATED OVERHEAD	8'x9'	MANUAL OPERATOR	-	FACTORY
101	INSULATED OVERHEAD	8'x9'	MANUAL OPERATOR	-	FACTORY
102	INSULATED OVERHEAD	8'x9'	MANUAL OPERATOR	-	FACTORY
103	INSULATED OVERHEAD	8'x9'	MANUAL OPERATOR	-	FACTORY
104	INSULATED OVERHEAD	12'x14'	MANUAL OPERATOR	-	FACTORY
105	INSULATED OVERHEAD	9'x9'	MANUAL OPERATOR	-	FACTORY
106	INSULATED HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, WEATHERSTRIP, THRESHOLD, SWEEP	RHR	FACTORY
107	INSULATED HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, WEATHERSTRIP, THRESHOLD, SWEEP	RHR	FACTORY
108	INSULATED HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, WEATHERSTRIP, THRESHOLD, SWEEP	LHR	FACTORY
109	INSULATED HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, WEATHERSTRIP, THRESHOLD, SWEEP	LHR	FACTORY
110	HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, SWEEP	RH	FACTORY
111	HOLLOW METAL	3'x7'	CLOSER, LEVER LATCHSET, SWEEP	RH	FACTORY
112	HOLLOW METAL	3'x7'	CLOSER, LEVER LOCKSET, SWEEP	LH	FACTORY



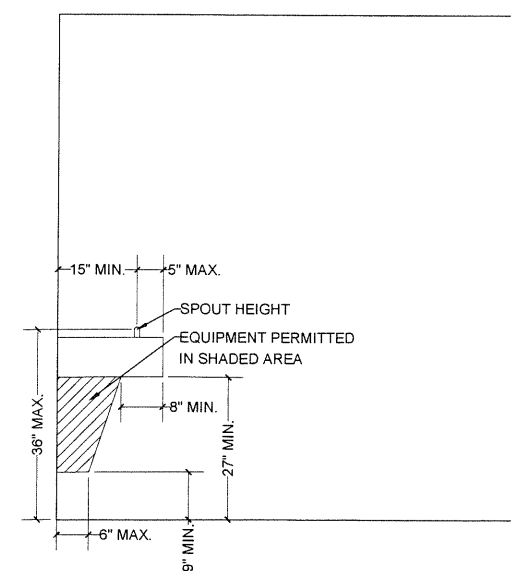
**1 BUILDING SECTION**  
A300 3/32"=1'-0"



**TOILET ROOM DETAIL**  
3/4"=1'-0"



**TOILET ROOM DETAIL**  
3/4"=1'-0"



**DRINKING FOUNTAIN DETAIL**  
3/4"=1'-0"

**CFBSI** DESIGN BUILD GENERAL CONTRACTOR  
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REV	DESCRIPTION	DATE
1	FOR STATE APPROVAL	5/15/2018
2	ADDED WALL PACKS	5/30/2018

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**SECTIONS & DETAILS**

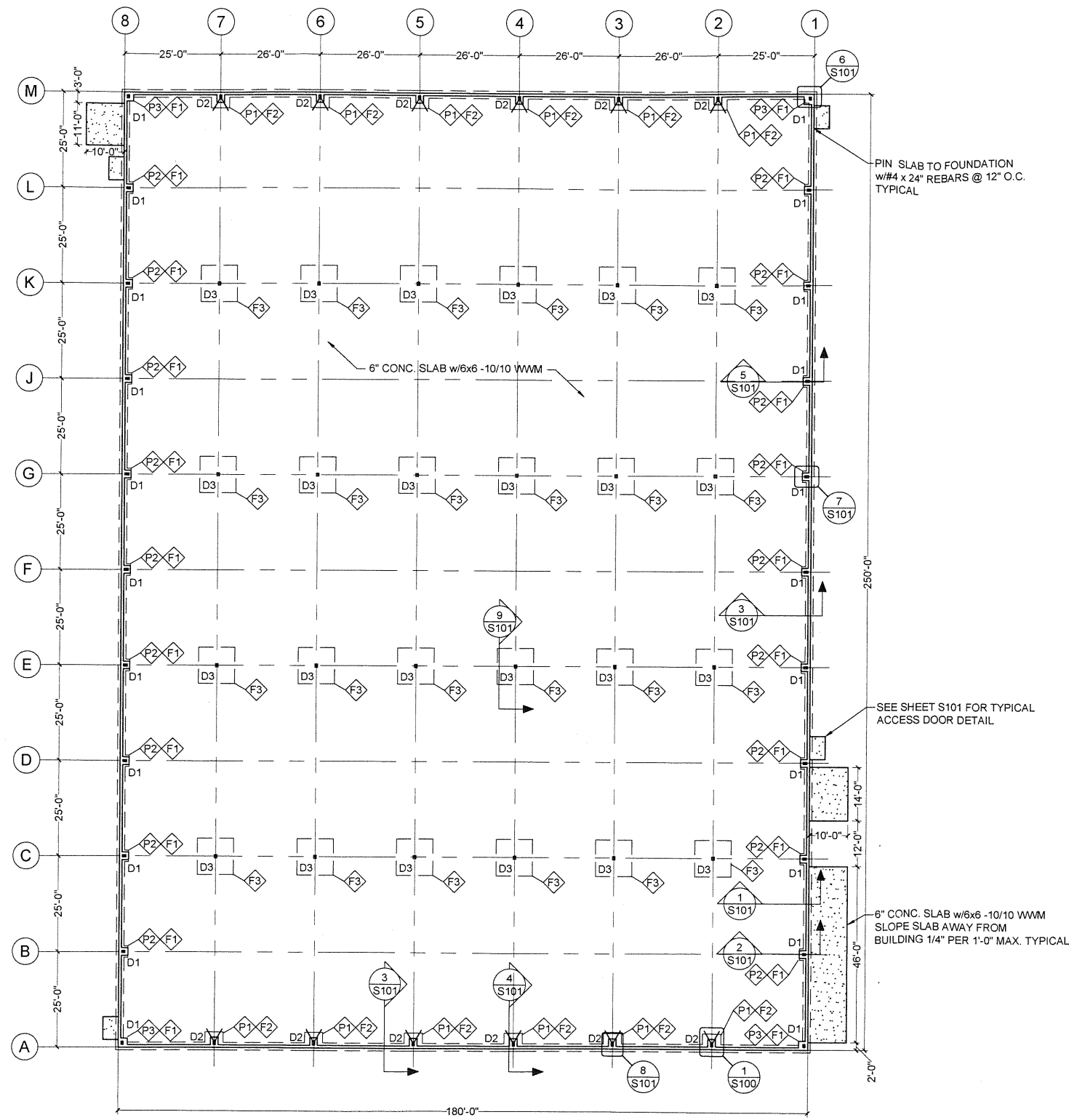
PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

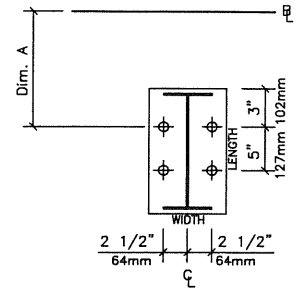
PROJECT: 2018-0007
DATE: 4/16/2018
DRAWN BY: MDM
REVIEWED BY: TDH
REVISION: 2
<b>A300</b>

FOOTING SCHEDULE	
MARK	SIZE & REINFORCING
F1	3'-0"x3'-0"x1'-0" DEEP w/(4) #4 EACH WAY BOTTOM
F2	4'-9"x4'-9"x1'-0" DEEP w/(7) #4 EACH WAY BOTTOM
F3	9'-6"x9'-6"x1'-6" DEEP w/(13) #4 EACH WAY BOTTOM

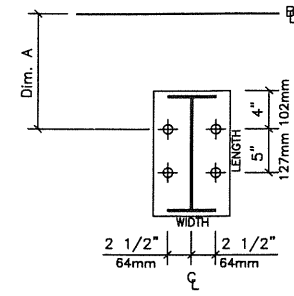
PIER SCHEDULE		
MARK	SIZE	REINFORCING
P1	24"x24" C.I.P.	(8) #5 VERT. & #3 TIES @ 12" O.C.
P2	20"x24" C.I.P.	(8) #5 VERT. & #3 TIES @ 12" O.C.
P3	20"x20" C.I.P.	(8) #5 VERT. & #3 TIES @ 12" O.C.



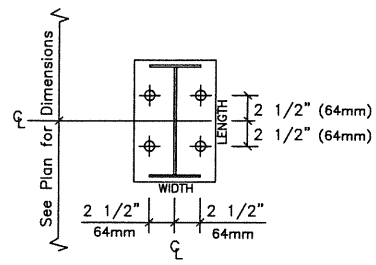
**FOUNDATION PLAN VIEW**  
1/16"=1'-0"



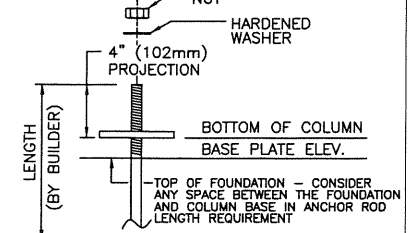
D1 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=8" L=11"  
Dim: A=11"  
Elev.=100'-0"



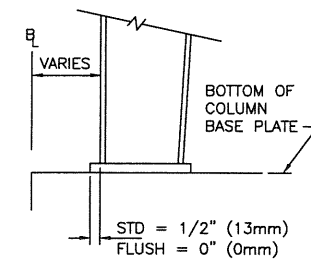
D2 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=8" L=1'-1"  
Dim: A=1'-0"  
Elev.=100'-0"



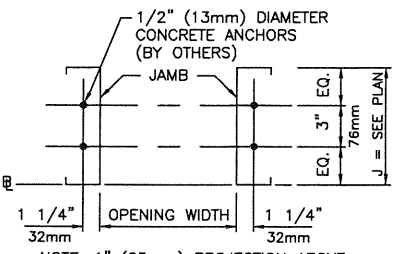
D3 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=9" L=11"  
Elev.=100'-0"



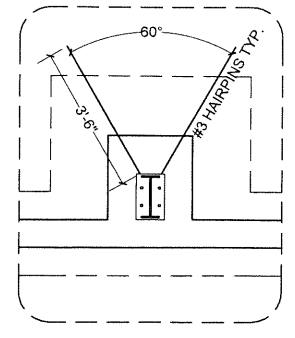
THE 4" PROJECTION ABOVE THE BOTTOM OF THE BASE PLATE IS A SUGGESTED MINIMUM TO ENSURE ADEQUATE ANCHOR ROD LENGTH. A DIFFERENT PROJECTION MAY BE REQUIRED BY THE FOUNDATION DESIGNER.  
THE ANCHOR ROD PROJECTION MAY NEED TO BE CUT OFF IF THERE IS INTERFERENCE WITH OTHER PARTS.  
**SUGGESTED ANCHOR ROD PROJECTION**



**TYPICAL COLUMN BASE PLATE DETAIL**



NOTE: 1" (25mm) PROJECTION ABOVE BOTTOM OF JAMB CLIP  
SEE PLAN FOR JAMB SIZES: J = SIZE  
JAMB 'EQ.' VALUES:  
7 EQ = 2" 51mm, 8.5 EQ = 2 3/4" 70mm  
10 EQ = 3 1/2" 89mm, 11.5 EQ = 4 1/4" 108mm  
**FRAMED OPENING DETAIL**



**1 HAIRPIN DETAIL**  
1/2"=1'-0"

- ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.
- ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (FY=36KSI). (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
- UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.
- FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR RODS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT. THE BUILDER IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISC CODE OF STANDARD PRACTICE, SEC 7.5 VARIATIONS ARE SUMMARIZED BELOW.
  - CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP:  $\pm 1/8"$
  - CENTERS OF ADJACENT AR GROUPS:  $\pm 1/4"$
  - TOPS OF AR'S:  $\pm 1/2"$
  - ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE:  $\pm 1/4"$  PER 100FT., NOT TO EXCEED 1" TOTAL.
  - DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE:  $\pm 1/4"$
- DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.

**CFBBSI** DESIGN BUILD GENERAL CONTRACTOR  
**CEDAR FALLS BUILDING SYSTEMS, INC**

705 Bay Street  
Cedar Falls, WI  
54733  
(715) 235-5511 Phone  
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REV	DESCRIPTION	DATE
1	UPDATED ANCHOR BOLTS PER FINAL CONSTRUCTION DRAWINGS	5/4/2018
2	FOR STATE APPROVAL	5/15/2018

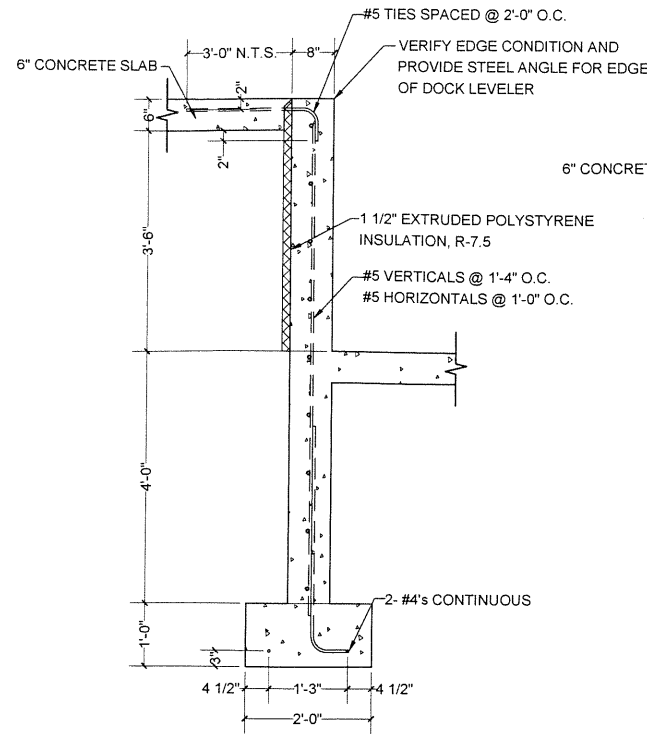
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**PLAN VIEW & ANCHOR ROD DETAILS**

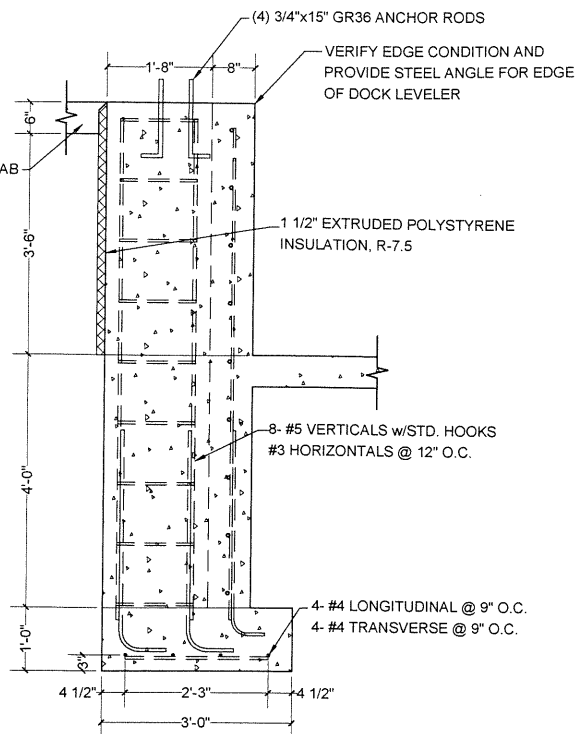
PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

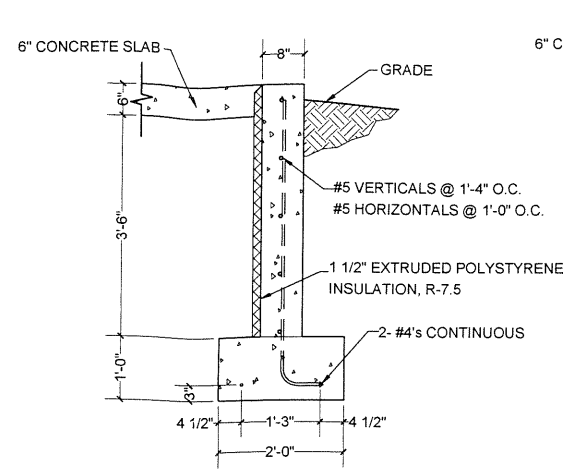
PROJECT: 2018-0007
DATE: 4/16/2018
DRAWN BY: MDM
REVIEWED BY: TDH
REVISION: 2



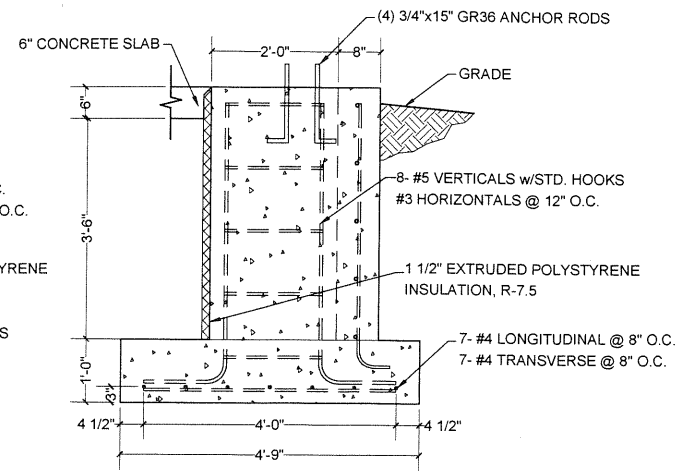
**1 FOOTING DETAIL**  
S101 3/4"=1'-0"



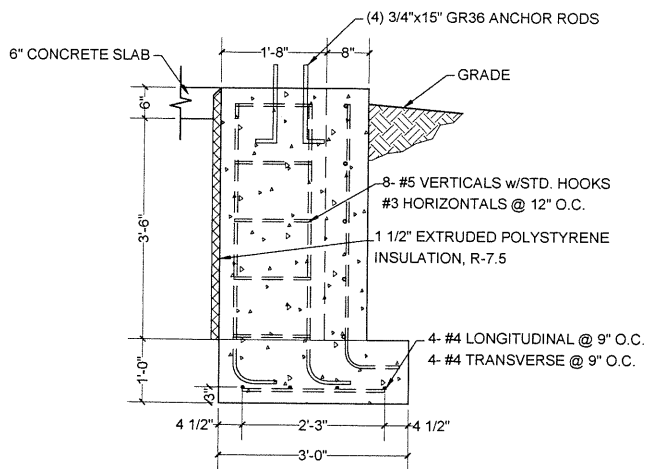
**2 FOOTING DETAIL**  
S101 3/4"=1'-0"



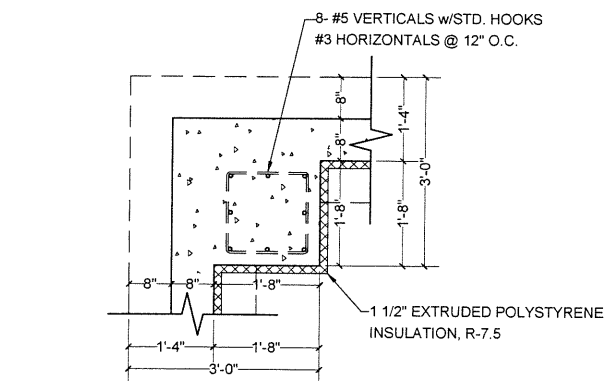
**3 FOOTING DETAIL**  
S101 3/4"=1'-0"



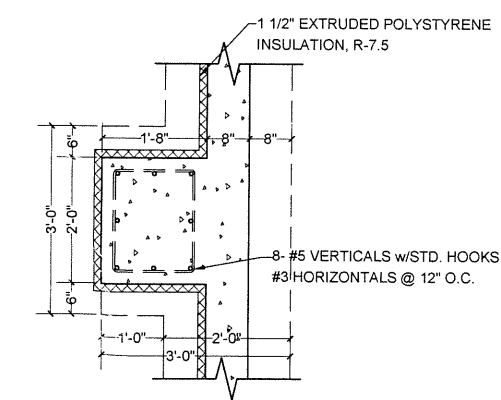
**4 FOOTING DETAIL**  
S101 3/4"=1'-0"



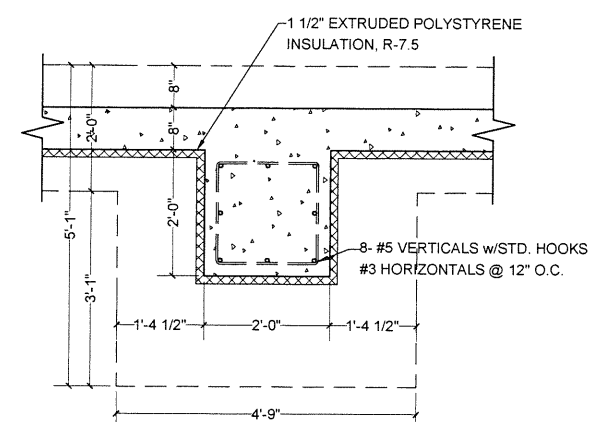
**5 FOOTING DETAIL**  
S101 3/4"=1'-0"



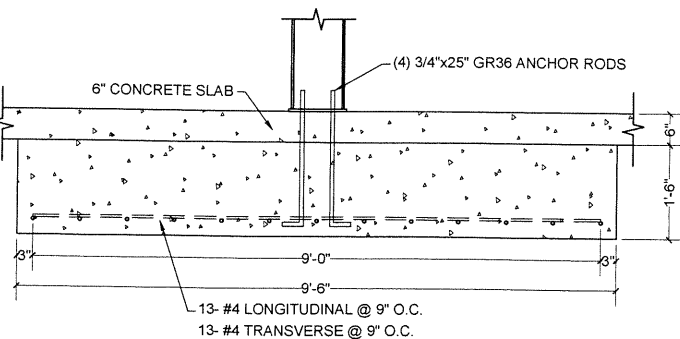
**6 CORNER PIER DETAIL**  
S101 3/4"=1'-0"



**7 ENDWALL PIER DETAIL**  
S101 3/4"=1'-0"



**8 SIDEWALL PIER DETAIL**  
S101 3/4"=1'-0"



**9 INTERIOR SPREAD FOOTING**  
S101 3/4"=1'-0"

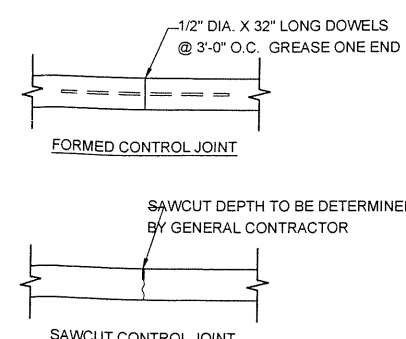
Standard 90° Hook

Bar Size and Type	Minimum Diameter of Bend, D <sup>A</sup>
No. 3 (M #10) through No. 8 (M #25) Grade 50 (Grade 300) or Grade 60 (Grade 420)	6 bar diameters

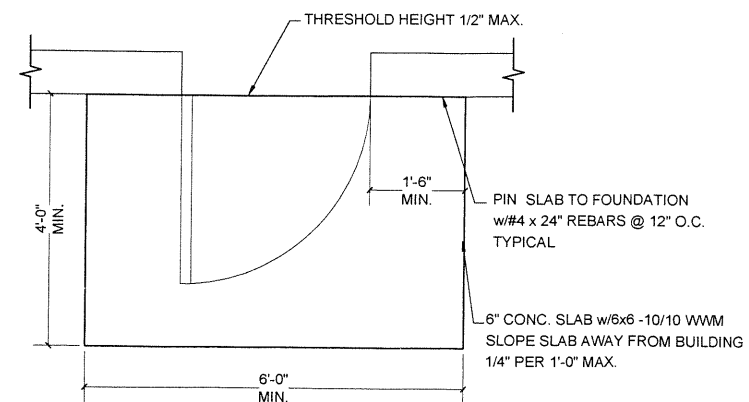
<sup>A</sup>Does not apply to stirrups or ties.

UNCOATED REBAR	BAR#	LAP
	3	20"
	4	24"
	5	30"
	6	36"
	7	54"
	8	62"

**10 STANDARD ACI HOOKS & LAP SCHEDULE**



**11 FLOOR JOINTS**



**12 SLAB @ EXTERIOR DOORS**  
3/4"=1'-0"

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**FOUNDATION DETAILS**

PROJECT NAME  
**NEW BUILDING**

CLIENT NAME  
**JCR RECYCLING LLC**

PROJECT: 2018-0007  
DATE: 4/16/2018  
DRAWN BY: MDM  
REVIEWED BY: TDH  
REVISION: 1

S101