

A NEW FACILITY FOR

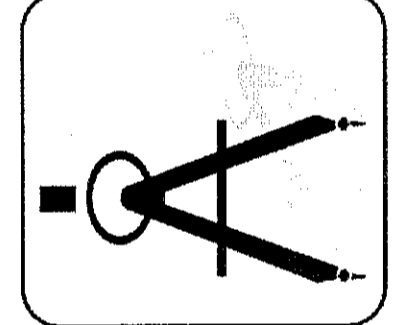


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6485 U. S. HIGHWAY 49
HATTIESBURG, MS 39401

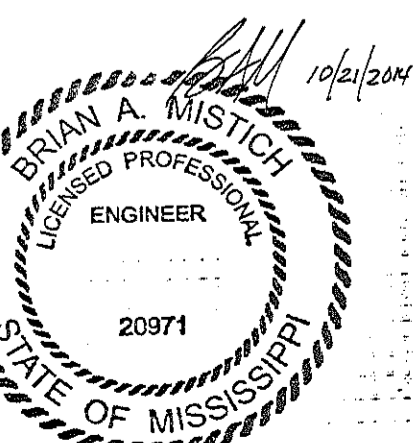
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RAINFOREST CARWASH #2
6485 U.S. HWY 49

HATTIESBURG, MISSISSIPPI 39401
 JOB No: 2212 DATE: 10-21-2014
 DRAWN BY: JTL CHECKED BY: CKD



BUILDING CODE INFORMATION

APPLICABLE CODES
 IBC 2006
OCCUPANCY TYPE OF GROUP(S) (IBC 2006 SECTION 304.1)
 BUSINESS B
CONSTRUCTION TYPE(S) (SECTION 602.5)
 TYPE VB
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION
 MAXIMUM HEIGHT IN STORES (TABLE 603) 2
 MAXIMUM AREA IN SQUARE FEET (TABLE 603) 9,000
MIXED USED OCCUPANCY
 INCIDENTAL ACCESSORY OCCUPANCIES (HR) SEPARATION
 ROOM OR AREA N/A
 REQUIRED SEPARATION OR OCCUPANCIES (HR) N/A
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
 CHAPTER 6, TABLE 607
 STRUCTURAL FRAMES 0 HOURS
 EXTERIOR BEARING WALLS 0 HOURS
 INTERIOR BEARING WALLS 0 HOURS
 EXTERIOR NON-BEARING WALLS 0 HOURS
 INTERIOR NON-BEARING WALLS 0 HOURS
 FLOOR CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS) 0 HOURS
 ROOF CONSTRUCTION (INC SUPPORTING BEAMS & JOISTS) 0 HOURS
 FIRE-RESISTANCE RATING FOR EXT WALLS BASED ON FIRE-SEPARATION DISTANCE (TABLE 602) 0 HOURS

FIRE WALLS
 SECTION 703.4
 REQUIRED? NO
 IF YES THEN NOTE REQUIRED RATING

OCCUPANT LOADS
 IBC 2006 SECTION 1004, TABLE 1004.1.1
 FLOOR PLAN

OCCUPANCY/FUNCTION SPACE	FLOOR AREA/OCCUPANT (SF)	X ACTUAL SF	OCCUPANT LOAD
B	100	4,000	40

EXIT REQUIREMENTS
 (IBC 2012 SECTION 1005)
 NUMBER OF ACCESSIBLE MEANS OF EGRESS REQUIRED PER FLOOR (TABLE 1015.1 & 1021.1)
 FLOOR OFFICES
 MEANS OF EGRESS REQUIRED 1

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:
 WIND DESIGN DATA:
 DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (A), (B), OR (C) DEPENDING ON THE RISK CATEGORY
 BASIC WIND SPEED (3 SECOND GUST) = 110 MPA (FIG 1609)
 RISK FACTOR: CATEGORY II BLDG SURFACE ROUGHNESS = B
 TOPOGRAPHIC FACTOR = 1
 DESIGN WIND PRESSURE (ASCE 7-10): 39.6 PSF
 INTERNAL PRESSURE COEFFICIENT (ASCE 7-10): ± 0.18
 LIVE LOADS (SEC 1607)
 ASSEMBLY AREA IV MOVEABLE SEATS (TABLE 1607.1): 100 PSF
 OFFICE (TABLE 1607.1): 50 PSF
 ROOF LIVE LOADS (TABLE 1607.1): 20 PSF UNIFORM, 300 LB CONCENTRATED
 SNOW LOADS (TABLE 1609):
 GROUND SNOW LOAD (FIG 1609.2): 5 PSF

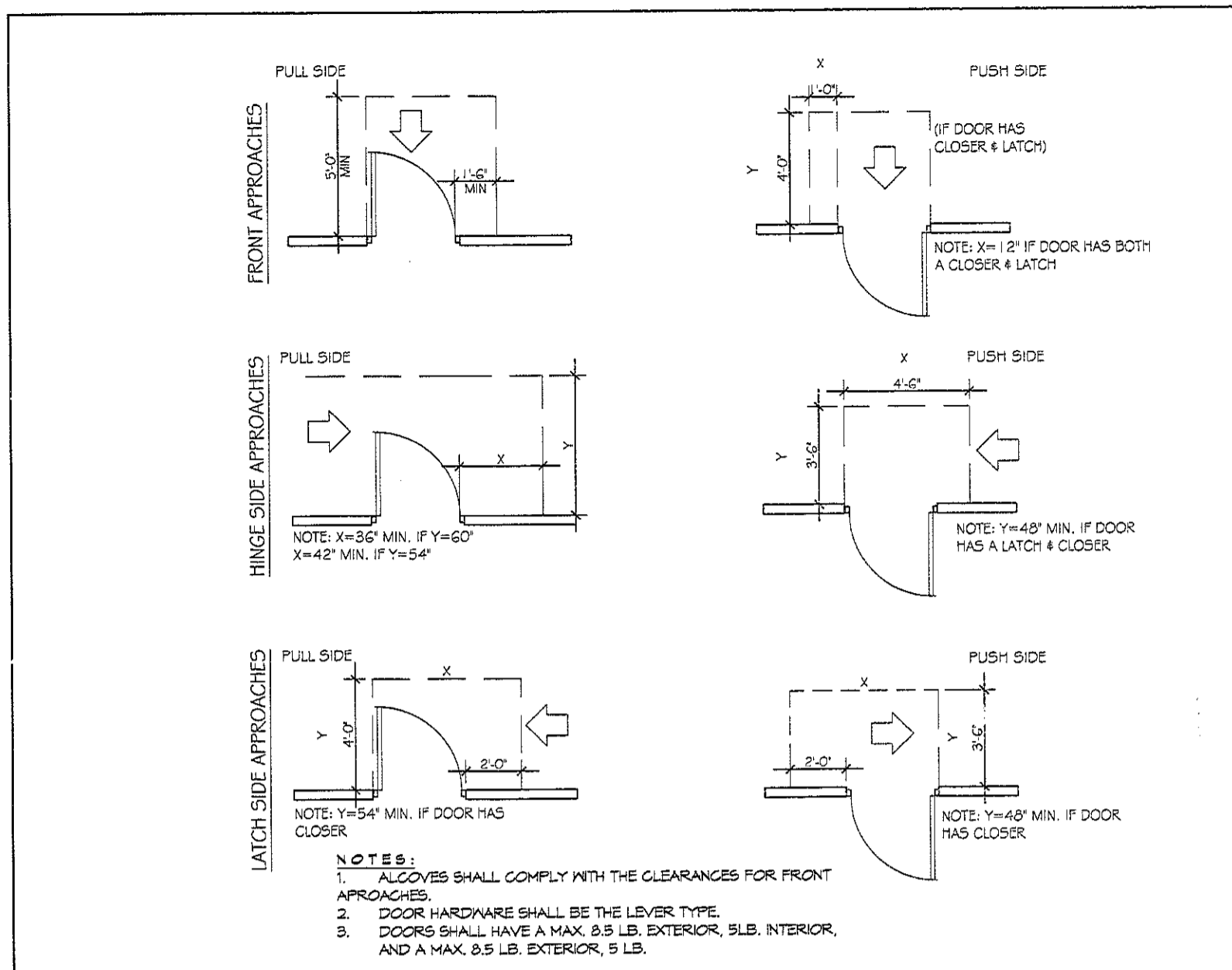
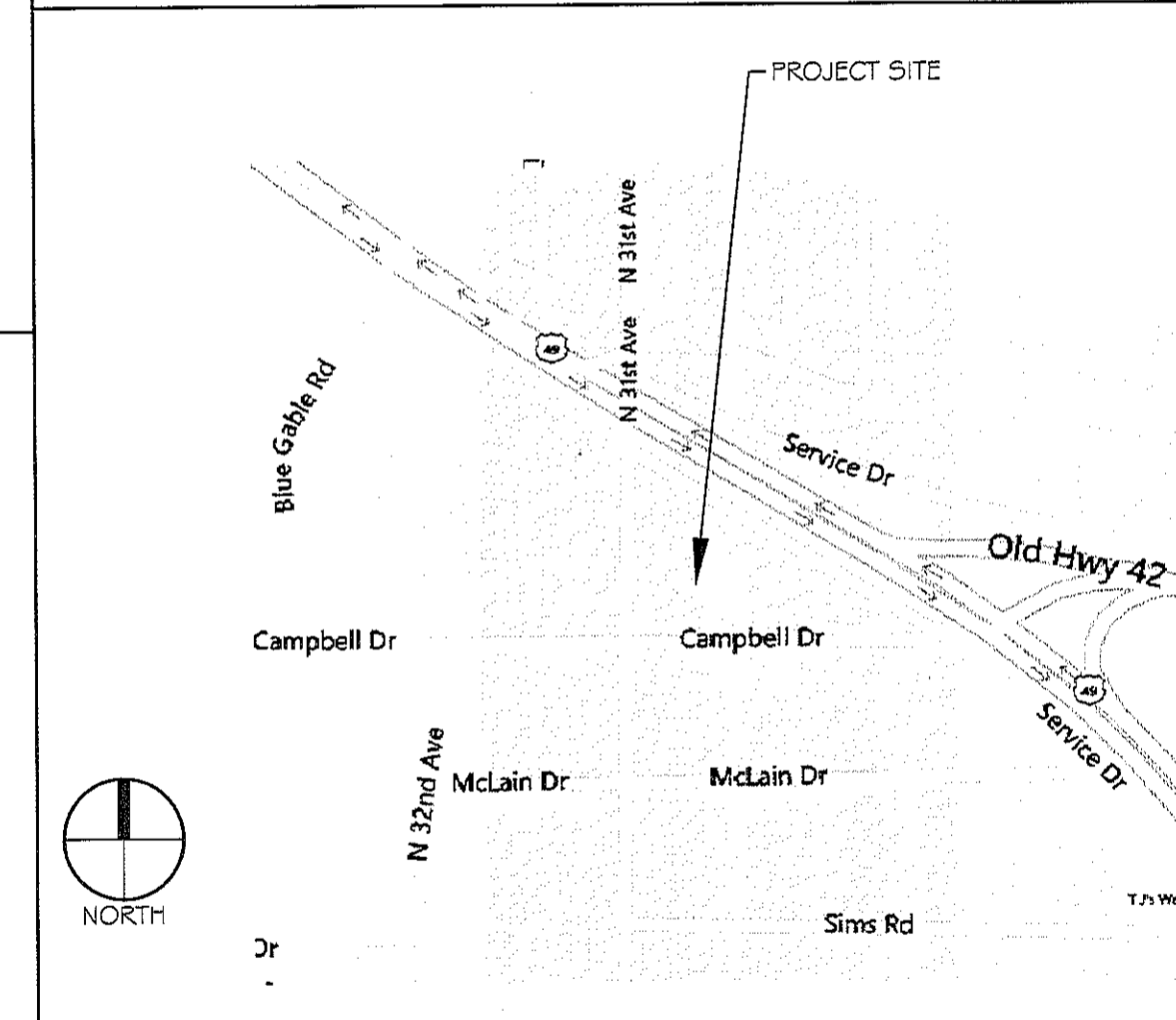
SHEET INDEX

SHEET NUMBER	SHEET TITLE
COVER	COVER SHEET
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C1	SITE PLAN
C2	SITE UTILITY PLAN
C3	SITE PAVING PLAN
C4	SITE DRAINAGE PLAN
C5	SILT FENCE DETAILS
S1	FOUNDATION PLAN
S2	FOUNDATION AND CMU DETAILS
A1	BUILDING FLOOR PLAN, SECTION, & NOTES
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E1	BUILDING POWER & LIGHTING PLANS
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P1	BUILDING PLUMBING PLAN, NOTES, AND RISER

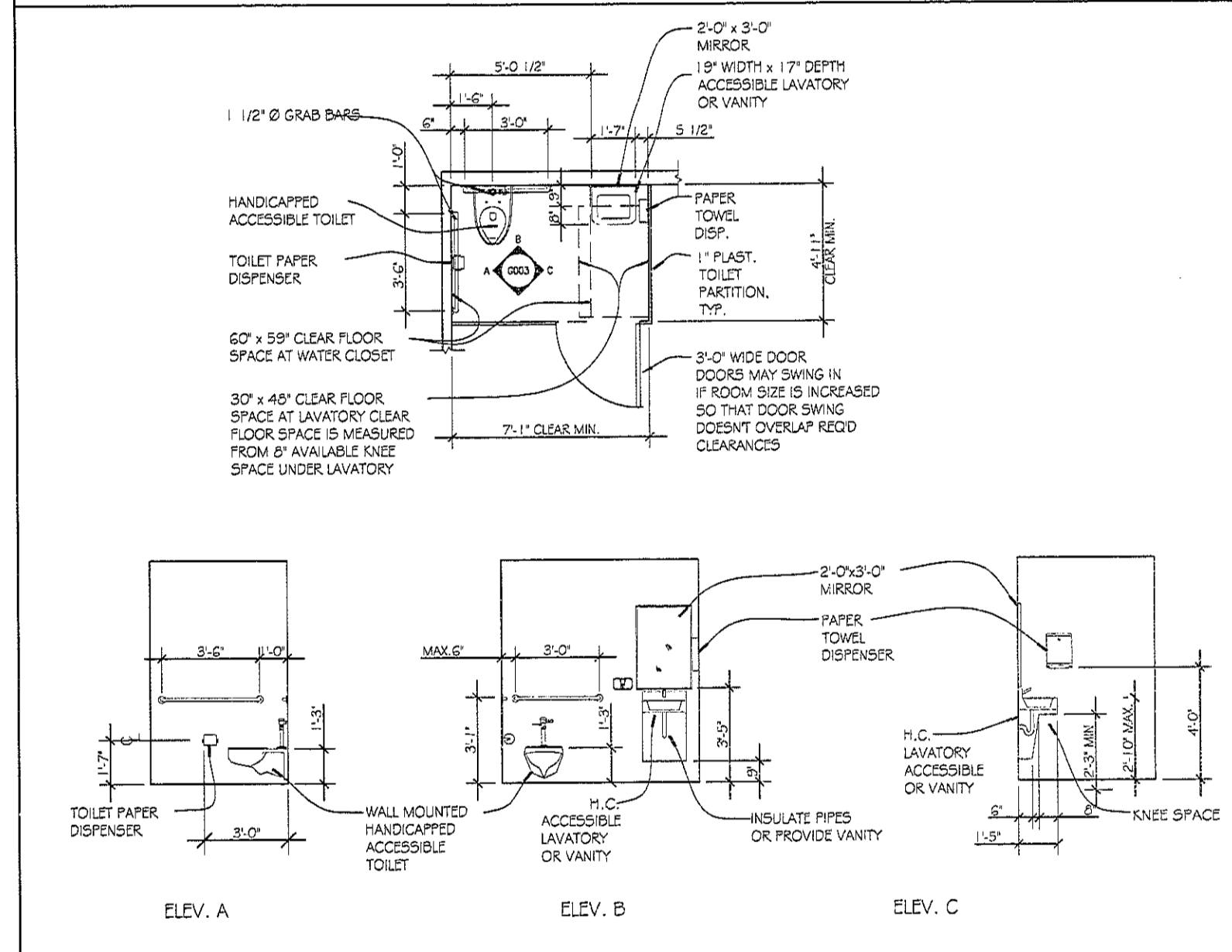
GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- THE DRAWINGS, SPECIFICATIONS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONSULT WITH THE ARCHITECT REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- VERIFY LOCATION OF ALL EQUIPMENT WITH THE ARCHITECT, PRIOR TO INSTALLATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- WORK INDICATED AS NOT IN CONTRACT, 'NIC', OR 'BY OTHERS', SHALL BE PERFORMED BY OWNERS SEPARATE CONTRACTORS. THE GENERAL CONTRACTOR SHALL COOPERATE TO THE FULLEST EXTENT WITH ALL OTHER CONTRACTORS AND ASSIST IN COORDINATING THE WORK BY SEPARATE CONTRACTORS WITH THE WORK OF THIS CONTRACT.
- NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

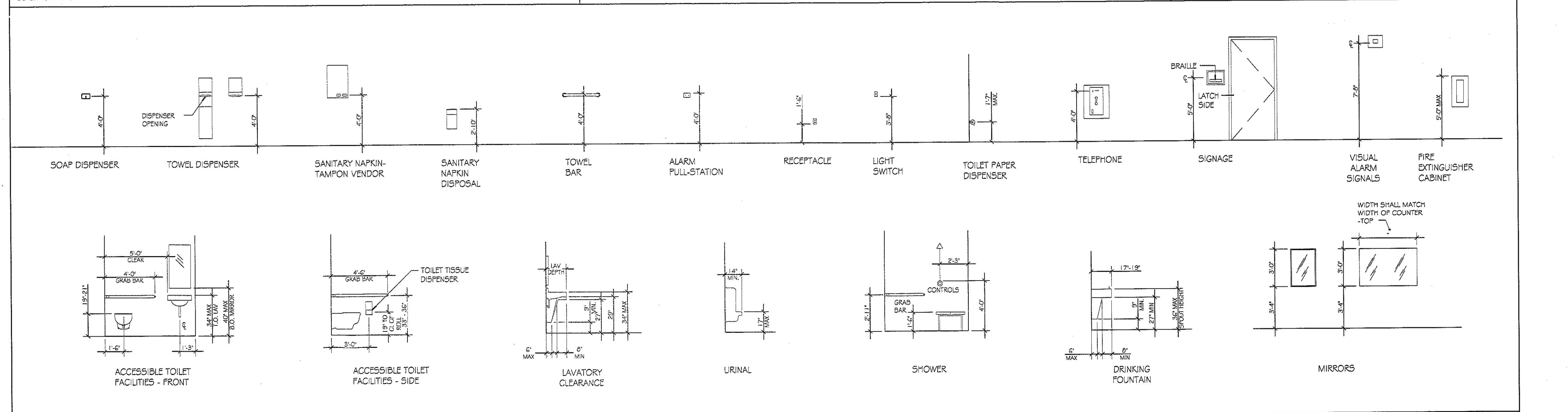
VICINITY MAP



ADA DOORS



TYPICAL HCP BATHROOM
 SCALE: 1/4" = 1'-0"



ADA MOUNTING HEIGHTS

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 STATE OF MISSISSIPPI
 20971
 10/21/2014

GENERAL INFO. SHEET, LIFE-SAFETY, & ADA DATA

SHEET No: 02 OF 14

G1

SIDEWALKS:

- 1) ALL SIDEWALKS SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE WITH A COMPRESSIVE STRENGTH OF 2,000 P.S.I. AT TWENTY-EIGHT DAYS AND A MINIMUM THICKNESS OF FIVE INCHES.
- 2) ALL SIDEWALKS TO HAVE A WIDTH OF FIVE FEET AND SHALL BE CONSTRUCTED AS PER THE LOCATION SHOWN ON THE SITE PLAN.
- 3) ALL SIDEWALKS SHALL BE SCORED TO A DEPTH OF 3/4" AT FOUR FOOT INTERVALS WITH EXPANSION JOINTS PLACED AT TWENTY FOOT INTERVALS.
- 4) EXPANSION JOINTS SHALL BE CONSTRUCTED OF 1/2" THICK PRE-MOLDED EXPANSION MATERIAL WITH ALL CORNERS TO BE FORMED BY EXPANSION JOINTS.
- 5) ANY SIDEWALK OR ROUTE THAT IS NOT AT A LEVEL ELEVATION AT ITS INTERSECTION WITH A DRIVEWAY OR STREET WILL BE REQUIRED TO INSTALL A CURB RAMP AT A MAXIMUM SLOPE OF 1:12 WITH A MAXIMUM RISE OF 30" AND A MINIMUM LEVEL STRAIGHT CURB SEGMENT OF 48".
- 6) THE TEXTURE OF THE DRIVEWAY AND INTERSECTION HANDICAP RAMPS SHALL BE CONSTRUCTED OF A NON-SLIP SURFACE. ACCOMPLISHED BY "BROOMING" THE RAMP SURFACE AND GROOVING 2-3 INCH SPACING AT RIGHT ANGLE DIRECTIONS. GROOVES TO BE APPROXIMATELY 1/4" DEEP x 1/8" WIDE.
- 7) ALL SIDEWALKS SHALL BE SLOPED 1" TOWARDS THE ADJACENT STREET OR DRIVEWAY.
- 8) CONTRACTOR SHALL CONTACT THEIR REGULATORY DEPARTMENT OF ENGINEERING PRIOR TO ANY WORK BEING DONE WITHIN THE PARISH OR CITY RIGHT OF WAY OR SERVITUDE.

DRIVEWAYS:

- 1) ALL DRIVEWAYS BETWEEN STREET AND PROPERTY LINE SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE WITH A COMPRESSIVE STRENGTH OF 4,000 P.S.I. AT TWENTY-EIGHT DAYS AND A MINIMUM THICKNESS OF 6".
- 2) ALL DRIVEWAYS BETWEEN STREET AND PROPERTY LINE CONNECTING WITH AN EXISTING ROADWAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL PROVIDED ON PAVING PLAN.
- 3) EXACT LOCATIONS OF ROADWAY AND DRIVEWAY CURBING WILL BE DETERMINED IN THE FIELD BY A REPRESENTATIVE OF THE REGULATORY DEPARTMENT OF ENGINEERING.
- 4) CONTRACTOR SHALL CONTACT THEIR REGULATORY DEPARTMENT OF ENGINEERING PRIOR TO THE FORMING OF DRIVEWAYS CONNECTING TO THE ROADWAY.

PARKING LOTS:

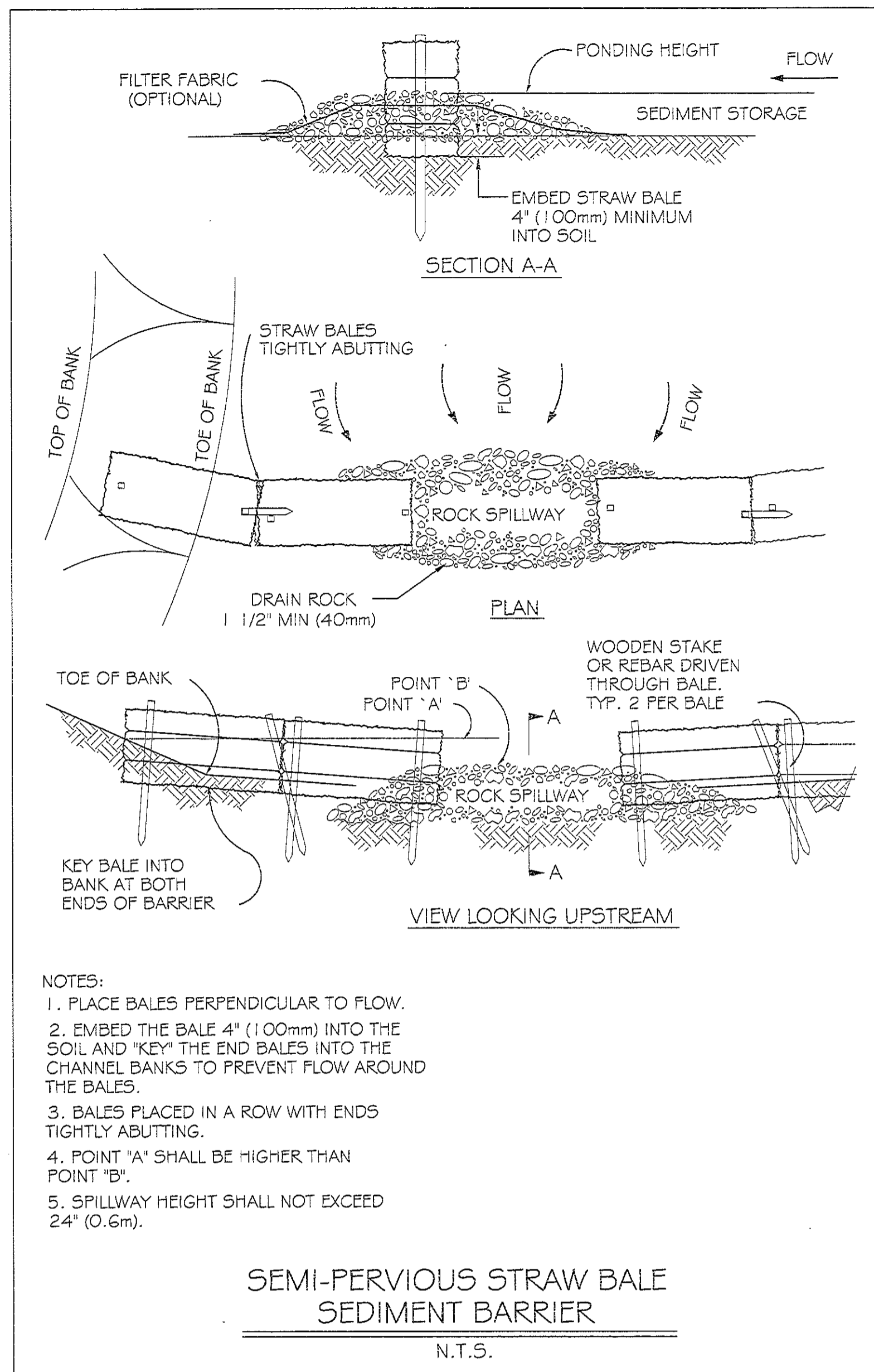
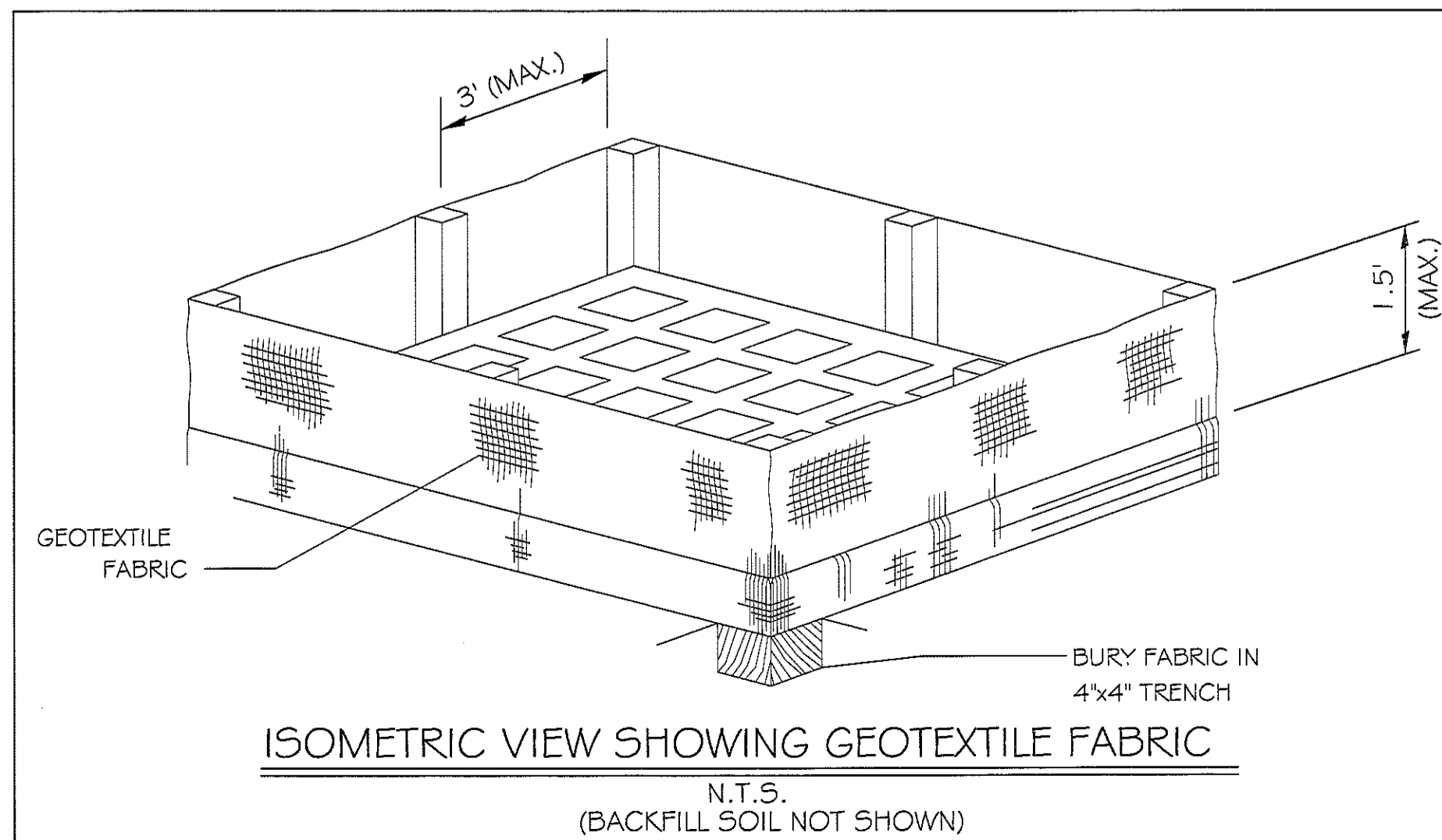
- 1) PARKING STALLS MUST BE STRIPED WITH A 4" WIDE CONTRASTING STRIPE (YELLOW ON CONCRETE, AND YELLOW OR WHITE ON ASPHALT PARKING LOTS).
- 2) HANDICAP PARKING SPACES TO BE DESIGNATED BY BLUE STRIPING AND EITHER A BLUE SYMBOL ON A WHITE BACKGROUND, OR A WHITE SYMBOL ON A BLUE BACKGROUND. HANDICAP PARKING STALLS REQUIRE THE INSTALLATION OF PROPER SIGNAGE.
- 3) ALL WHEEL STOPS AND CONCRETE CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS PROVIDED ON THE PAVING PLAN.
- 4) ALL PARKING SPACES TO BE LAID OUT AS SHOWN ON THE PAVING PLANS, UNLESS OTHERWISE INDICATED.

DRAINAGE:

- 1) CONCRETE STRENGTH TO BE 4,000 P.S.I. MINIMUM AT TWENTY-EIGHT DAYS.
- 2) WHEN BOX IS 7'-0" OR LESS IN HEIGHT USE ONE LAYER OF BRICK. WHEN BOX IS 7'-0" BUT LESS THAN 12'-0" IN HEIGHT USE TWO LAYERS OF BRICK.
- 3) ALL MASONRY TO BE LAID WITH RUNNING BOND AND HEADER COURSE (EVERY FOURTH LAYER).
- 4) ALL WALLS TO BE PLASTERED 1/2" THICK INSIDE AND OUTSIDE.
- 5) 12" LIMESTONE BEDDING FOUNDATION SHALL BE REQUIRED UNDER ALL MANHOLES AND BASINS.
- 6) WHEN THE DEPTH OF BOX OR MANHOLE IS 4'-0" OR GREATER THE INSTALLATION OF STEPS WILL BE REQUIRED IN ACCORDANCE WITH PUBLIC WORKS STANDARDS.
- 7) THE MINIMUM DRAIN SIZE ACCEPTABLE FOR ANY INSTALLATION ON PUBLIC RIGHT OF WAY SHALL BE 24" IN DIAMETER.
- 8) CONTRACTOR WILL CONTACT THEIR REGULATORY DEPARTMENT OF ENGINEERING PRIOR TO WORK DONE WITHIN THE PARISH, CITY RIGHT OF WAYS, OR SERVITUDES.

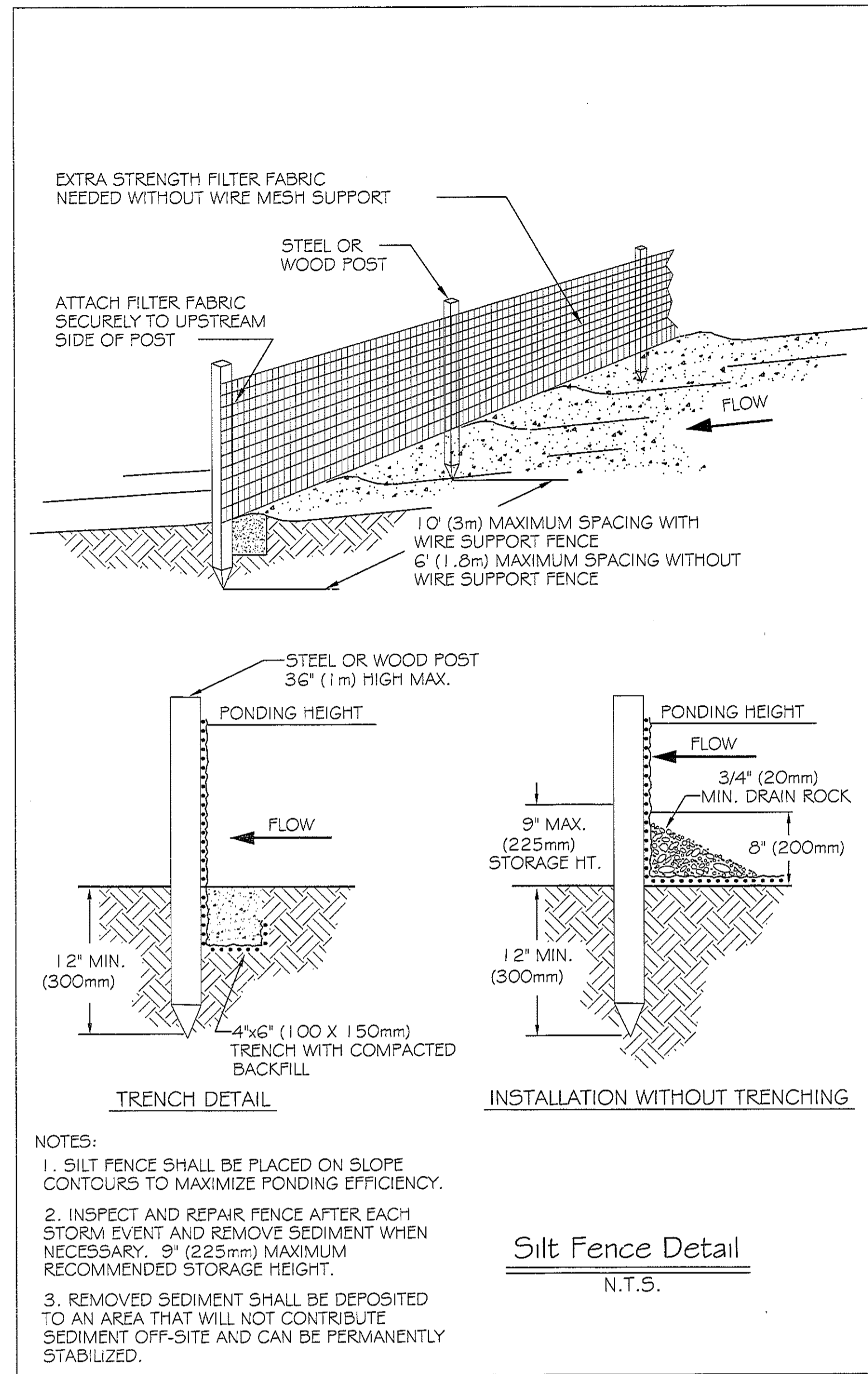
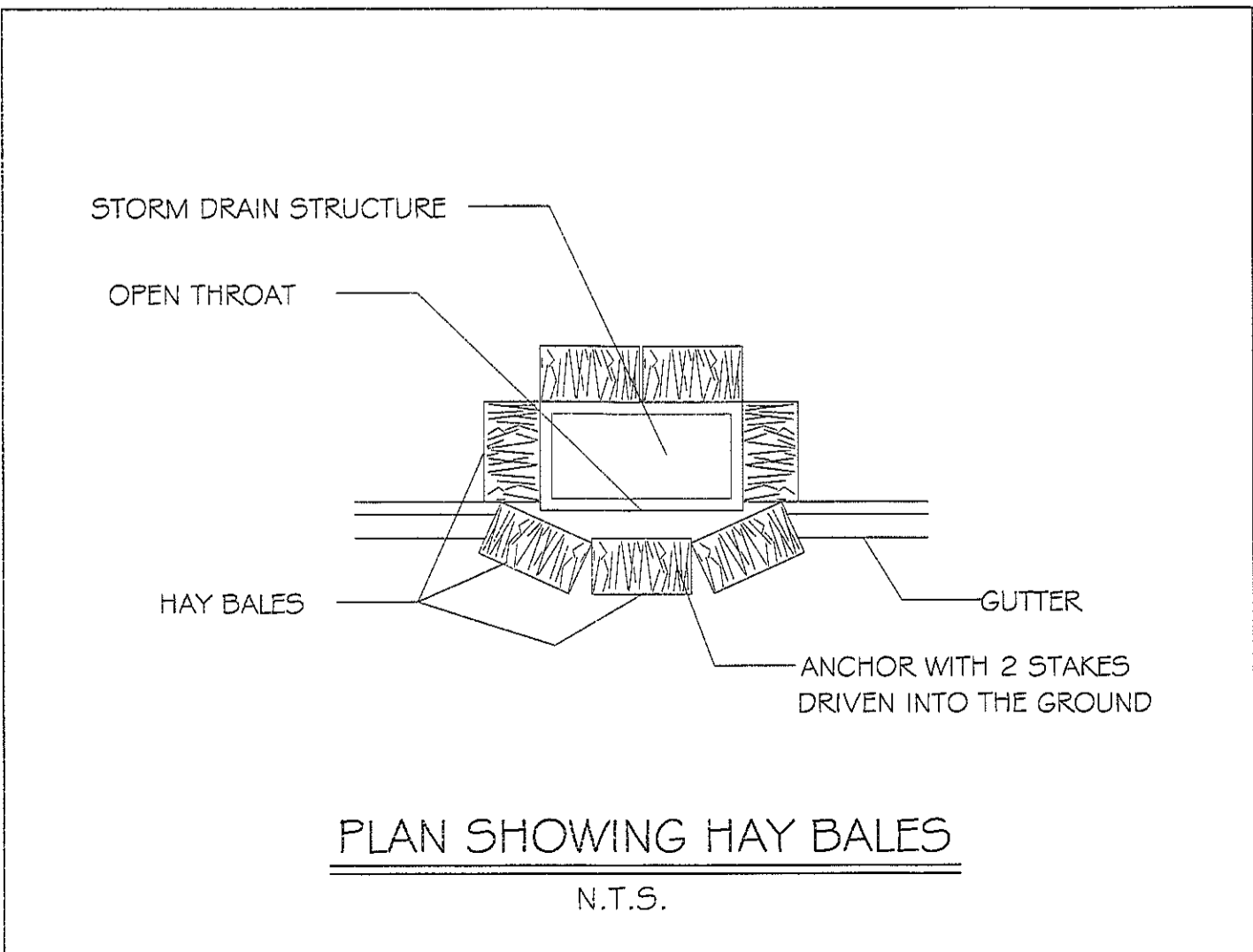
TRAFFIC CONTROLS:

ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR TO THE PARISH OR CITY TRAFFIC ENGINEERING DIVISION, AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.



- METHOD FOR SILT FENCE INSTALLATION**
- 1) THE BASE OF BOTH END POSTS MUST BE AT LEAST 2'-4" ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
 - 2) INSTALL POSTS 3-4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6-7 FEET APART ON STANDARD APPLICATIONS.
 - 3) INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
 - 4) INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
 - 5) ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45° THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ADDITIONALLY, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
 - 6) WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
 - 7) NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.
 - 8) THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
 - 9) COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 PSI OF PRESSURE. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.

- NOTES:**
- THE TEMPORARY DROP INLET SILT TRAP IS TO BE USED IN SMALL DRAINAGE AREAS (LESS THAN 1 ACRE) WHERE THE STORM DRAIN IS FUNCTIONAL BEFORE THE AREA IS STABILIZED. THE TRAP CAN BE EITHER GEOTEXTILE FABRIC OR HAY BALES.
- 1) THE GEOTEXTILE FABRIC SHALL CONFORM TO SECTION 1019 (TYPE G) OF THE LA DOT STANDARD SPECIFICATIONS.
 - 2) WOODEN STAKES SUPPORTING THE FABRIC SHALL BE SPACED AROUND THE INLET AT A MAXIMUM SPACING OF 3 FEET.
 - 3) THE HEIGHT OF THE FABRIC ABOVE THE INLET SHALL BE LIMITED TO 1'-6" AND THE BOTTOM OF THE FABRIC SHALL BE BURIED IN A TRENCH APPROXIMATELY 4" WIDE BY 4" DEEP. THE FABRIC SHALL BE STAPLED TO POST WITH 1/2" STAPLES.
 - 4) THE TRAP SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM. THE SEDIMENT SHOULD BE REMOVED AND MAKE SURE EACH STAKE IS FIRMLY IN THE GROUND.



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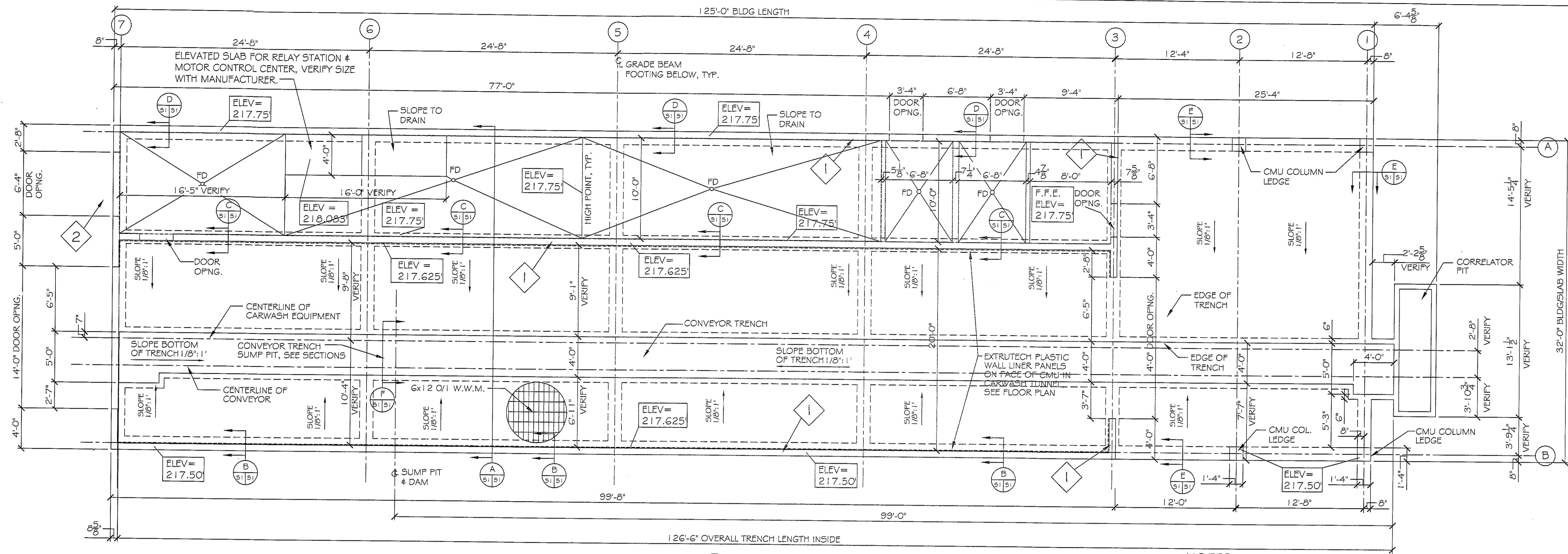
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10/21/2014

SILT FENCE DETAILS

SHEET No: 07 OF 14

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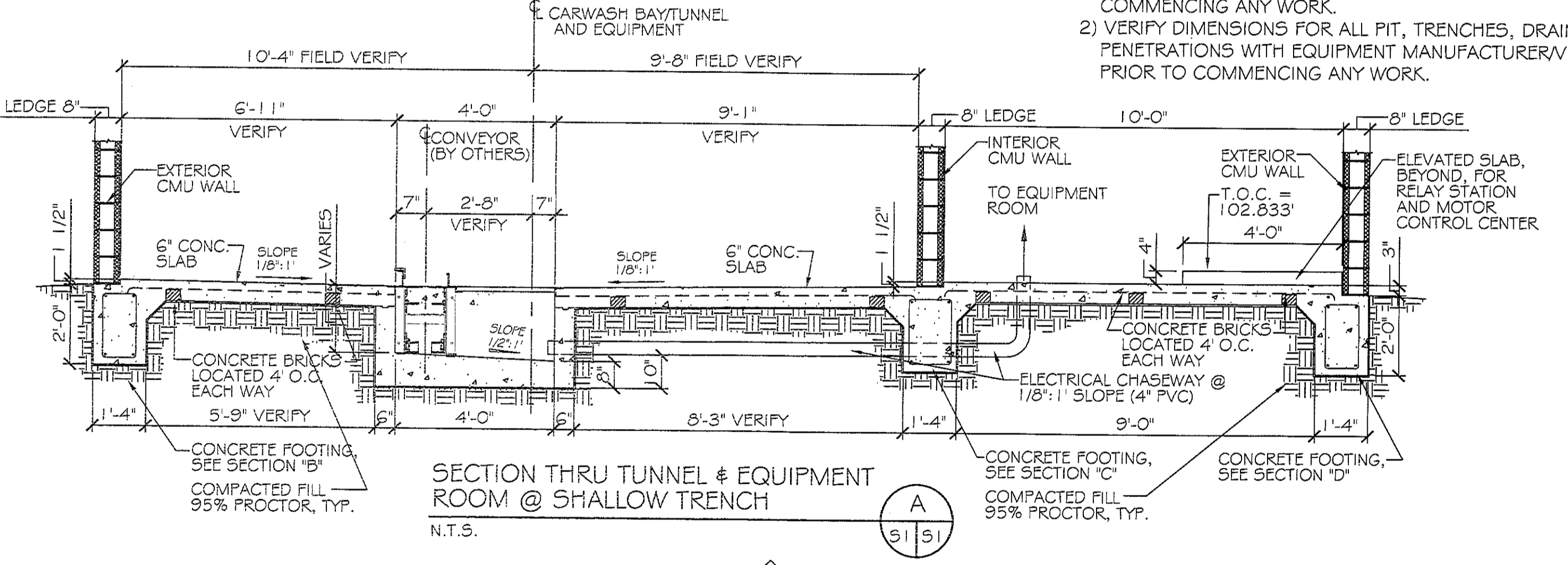


GENERAL FOUNDATION NOTES

1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
2. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
3. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 15 MIL, STRENGTH; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, ECOSHIELD-E 15 MIL BY EPRO, OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, CMU LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
6. GRADE BEAM SIZES MAY VARY BY -5%, +20%.
7. ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
8. A MINIMUM OF 6" CONCRETE SHALL BE MAINTAINED THROUGHOUT THE SLAB.
9. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
10. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
11. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADINGS, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
12. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
13. BASED ON THE RESULTS OF THE FIELD AND LABORATORY TEST AND THE ANTICIPATED FOUNDATION LOADS, ESTIMATED MAXIMUM FOUNDATION SETTLEMENTS SHOULD NOT EXCEED 1/4 INCH. DIFFERENTIAL SETTLEMENT IS ESTIMATED TO BE LESS THAN 1 INCH.
14. TREAT SOIL BELOW SLAB FOR TERMITES.

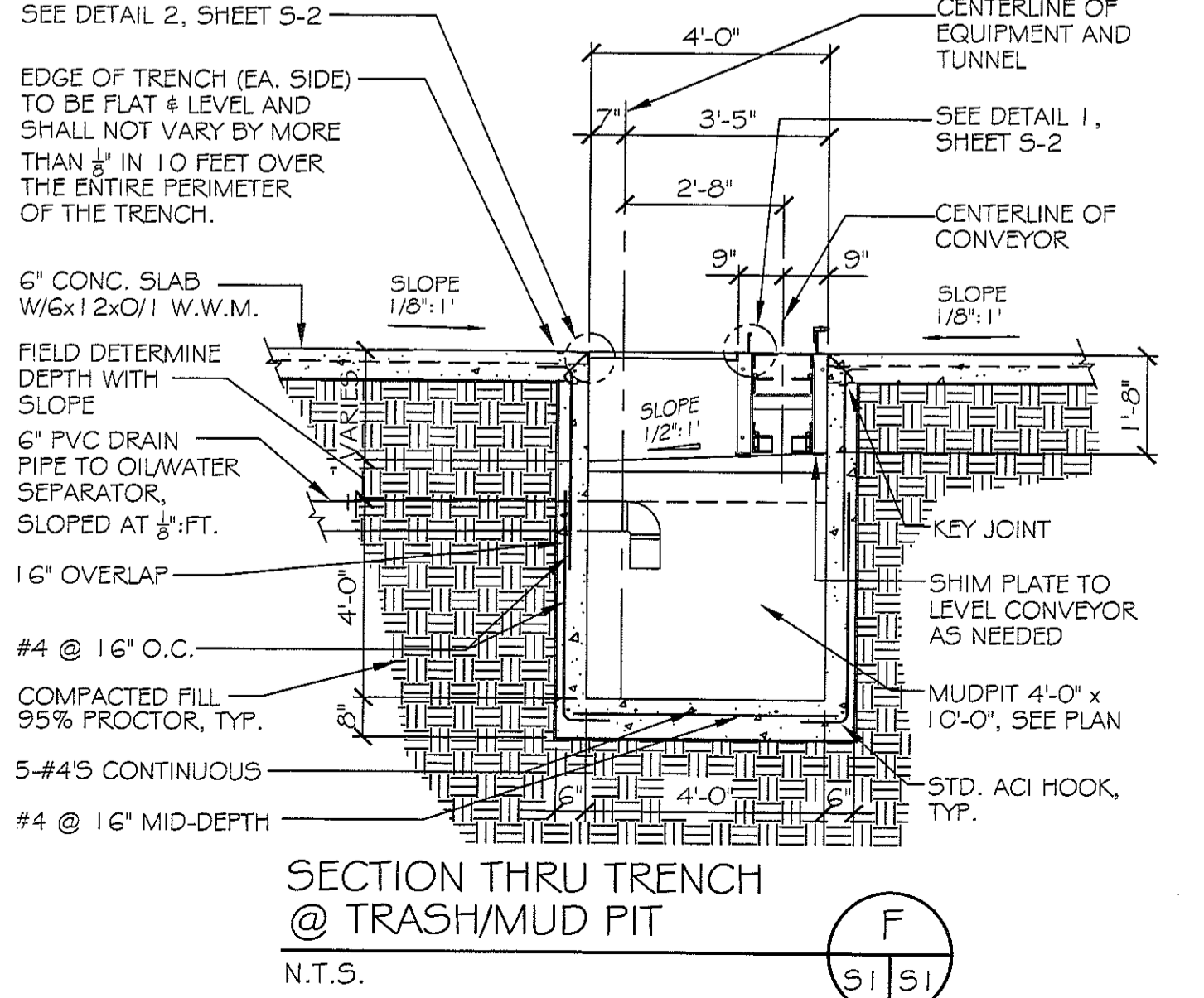
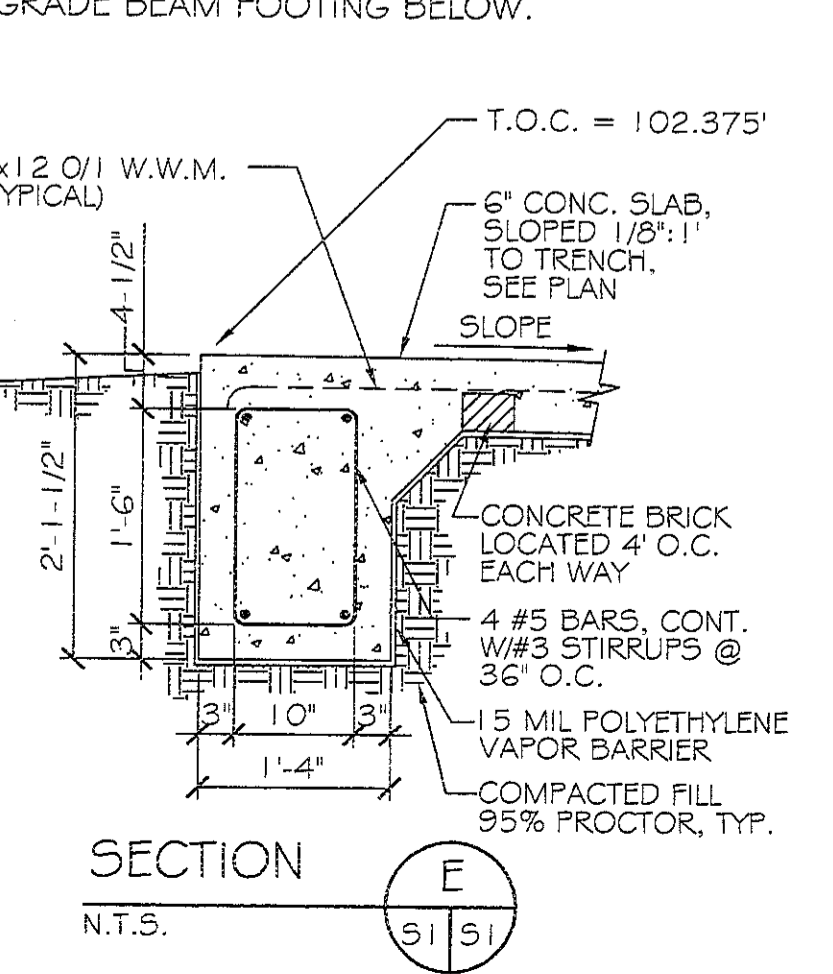
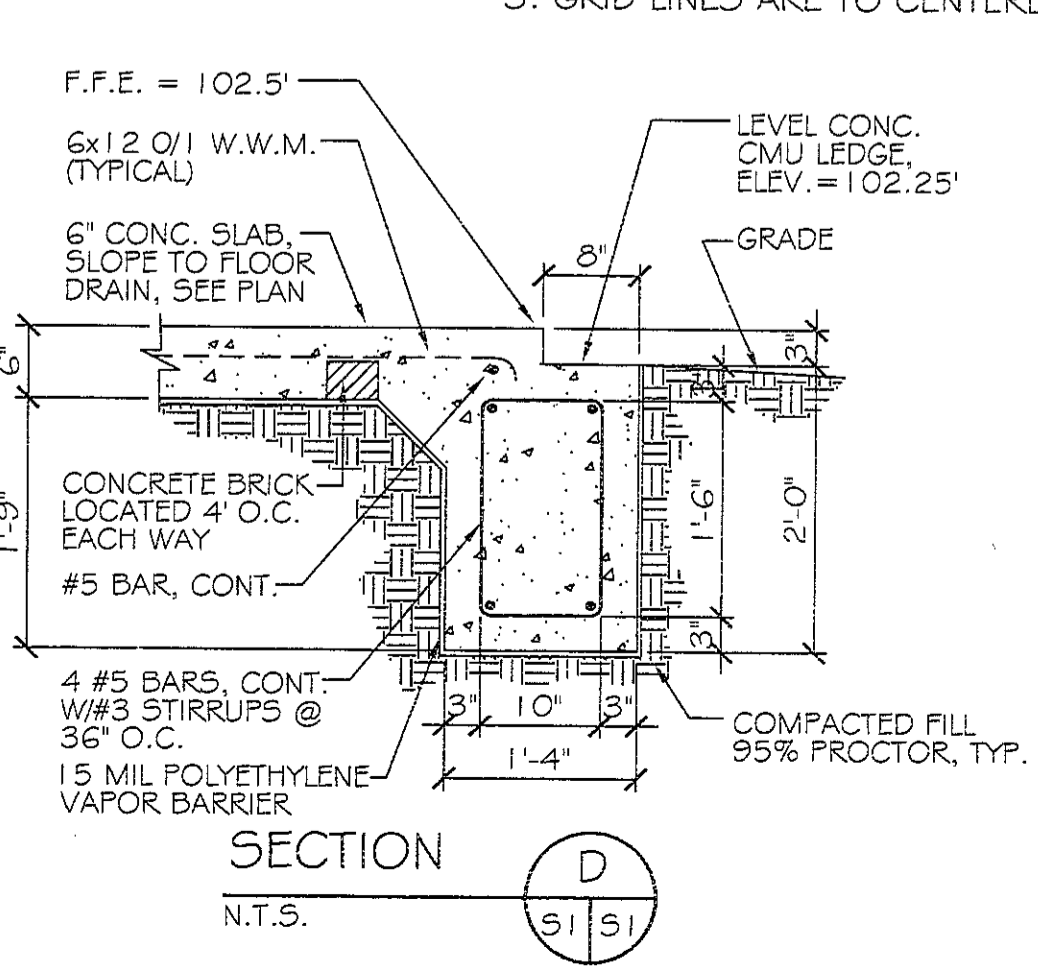
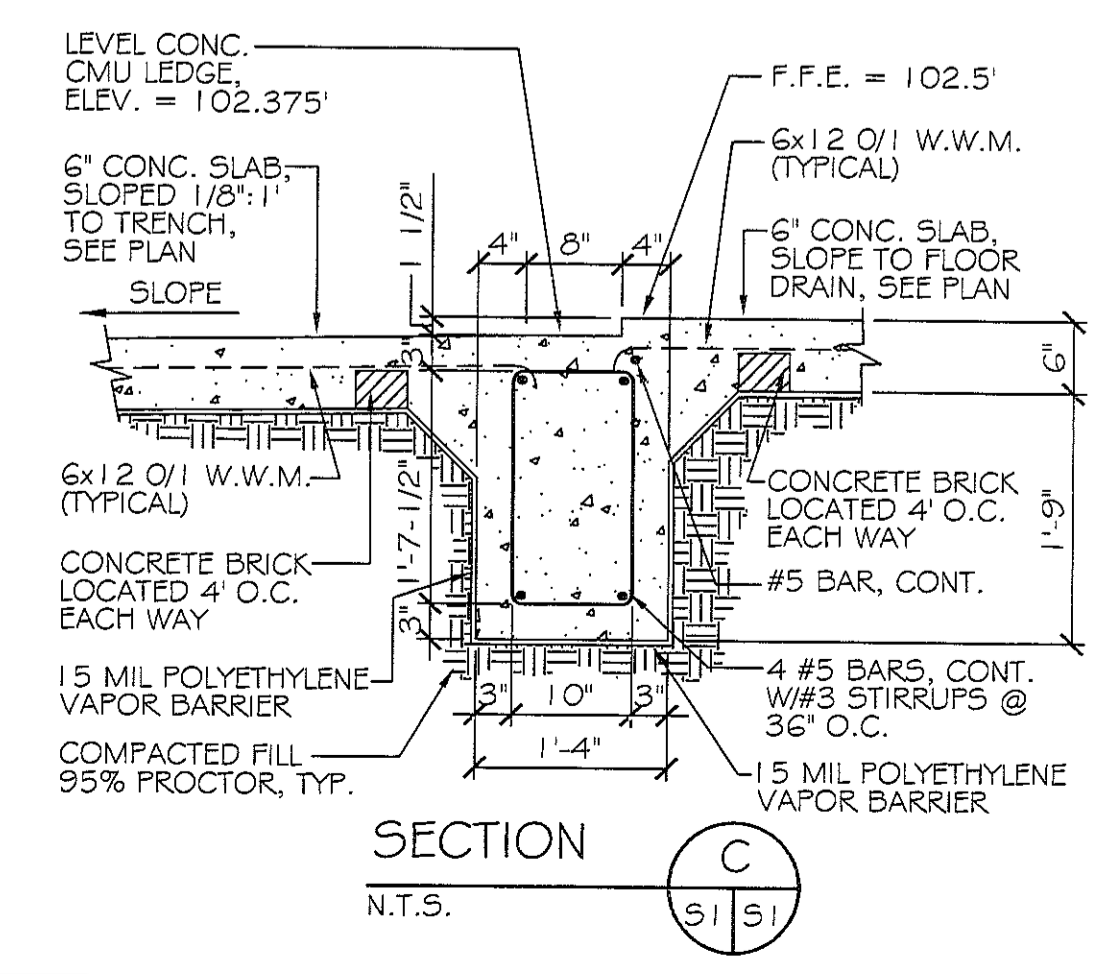
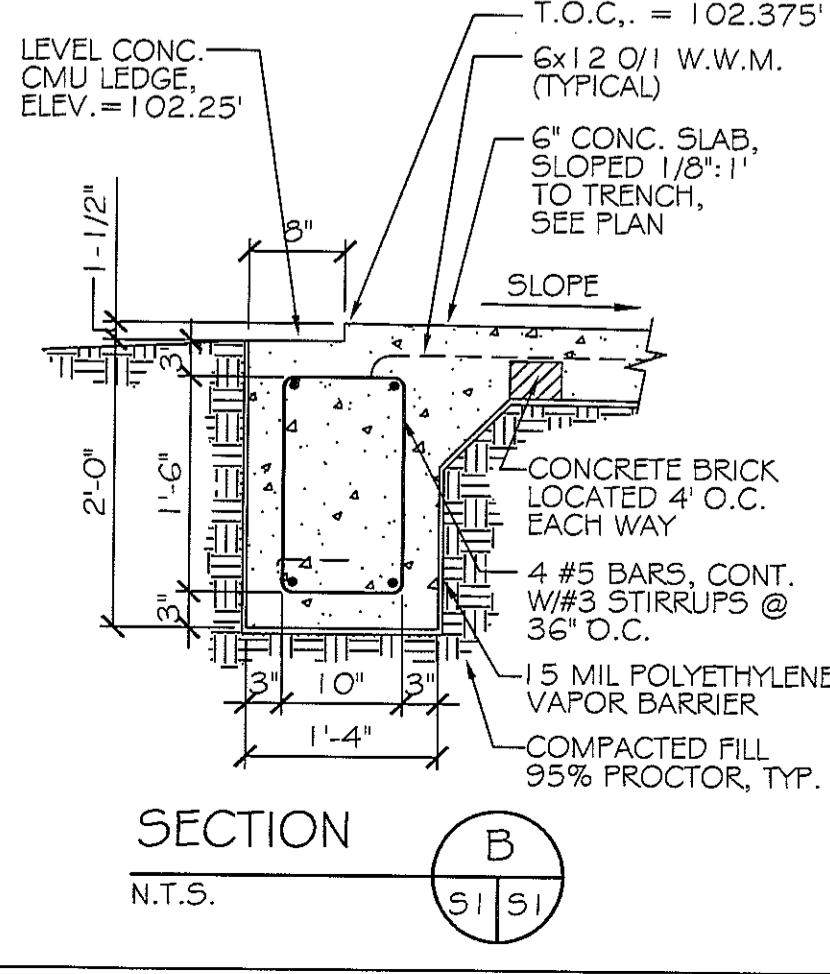
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
- 1) COORDINATE WITH EQUIPMENT MANUFACTURER/VENDORS DRAWINGS AND PROVIDE EQUIPMENT ELECTRICAL, CONDUIT, WIRING, AND PLUMBING REQUIREMENTS PRIOR TO COMMENCING ANY WORK.
 - 2) VERIFY DIMENSIONS FOR ALL PIT, TRENCHES, DRAINS, & ANY OTHER CONCRETE PENETRATIONS WITH EQUIPMENT MANUFACTURER/VENDORS DRAWINGS, AS WELL, PRIOR TO COMMENCING ANY WORK.



SPECIAL FOUNDATION NOTES

1. HATCHED AREA INDICATES CONTINUOUS 8" WIDE "RECESSED" LEVEL TOP OF SLAB FOR CMU WALL BASE. ELEVATION AS SHOWN. BEGIN SLOPE OF CONCRETE SLAB TO TRENCH DRAIN BEYOND THE 8" LEVEL STRIP AS SHOWN ON PLANS.
2. LEVEL LANDING AT MECHANICAL ROOM DOOR. ELEVATION MAX 1/2" BELOW T.O.S.
3. GRID LINES ARE TO CENTERLINE OF GRADE BEAM FOOTING BELOW.



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		CHECKED BY:	CKD

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12/19/2014

CARWASH FOUNDATION PLAN & DETAILS

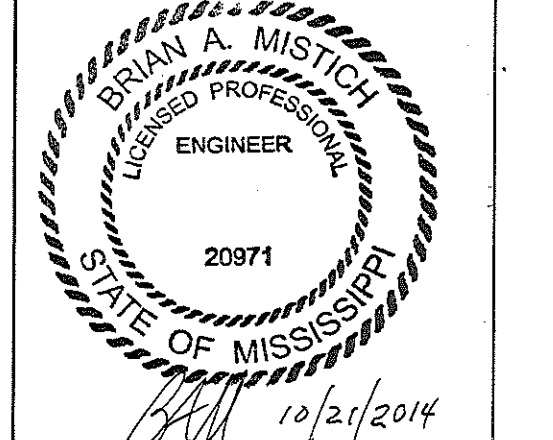
SHEET No: 08 OF 14

S1

RAINFORCE CARWASH #2
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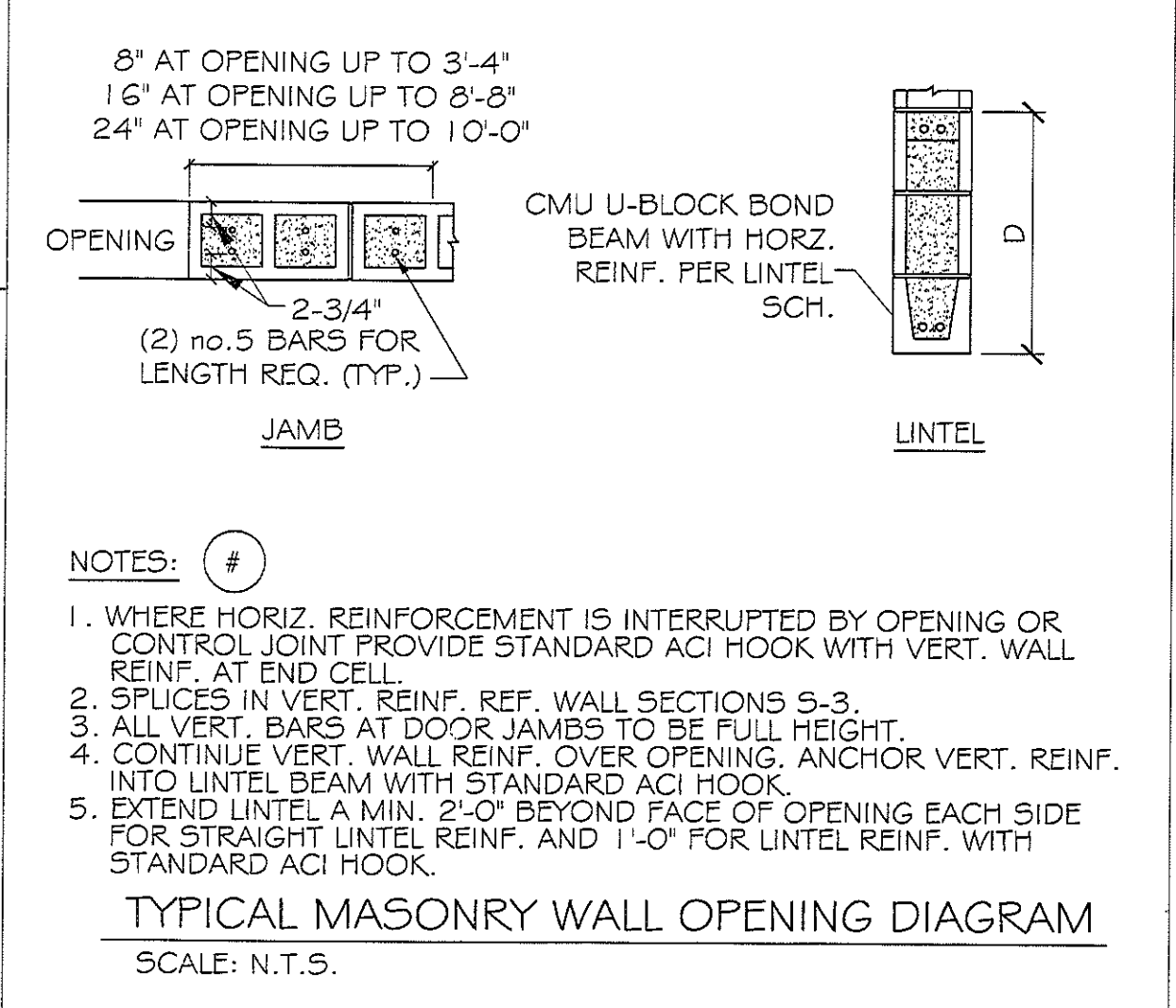
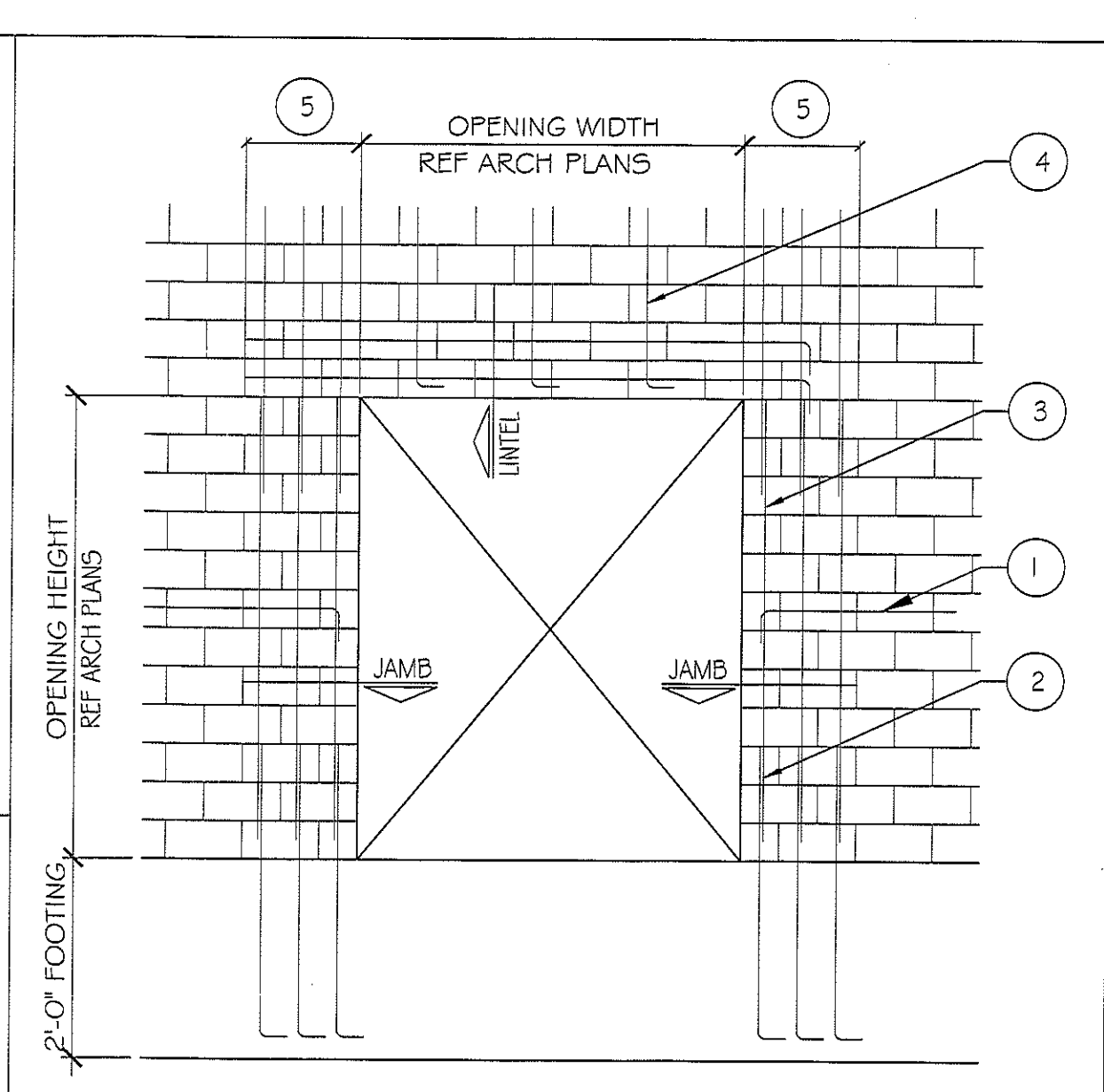
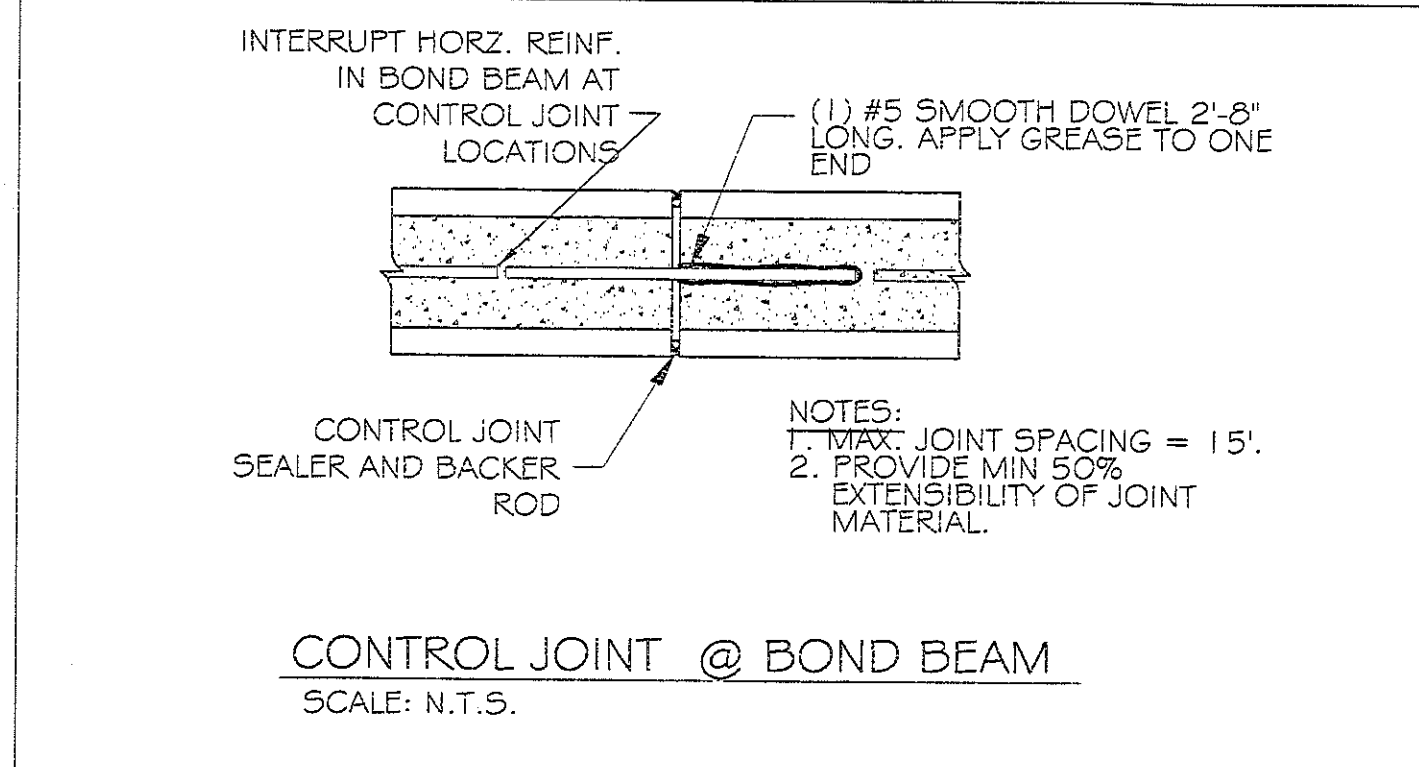
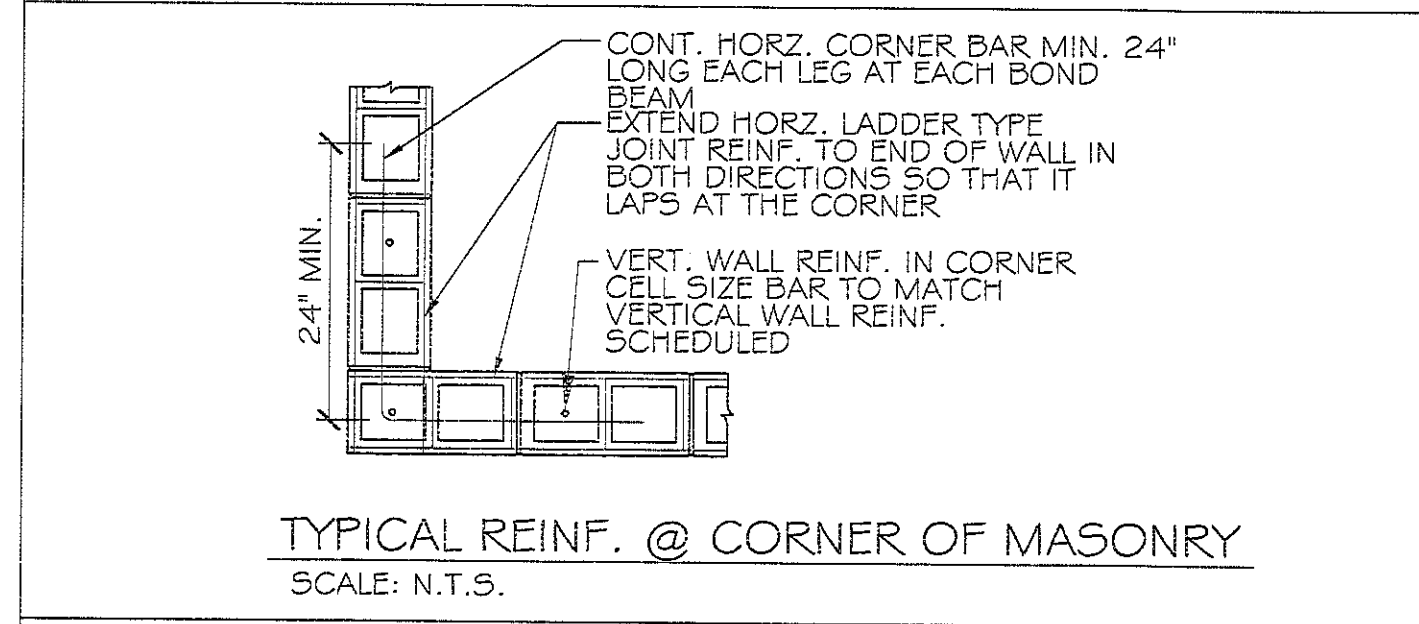
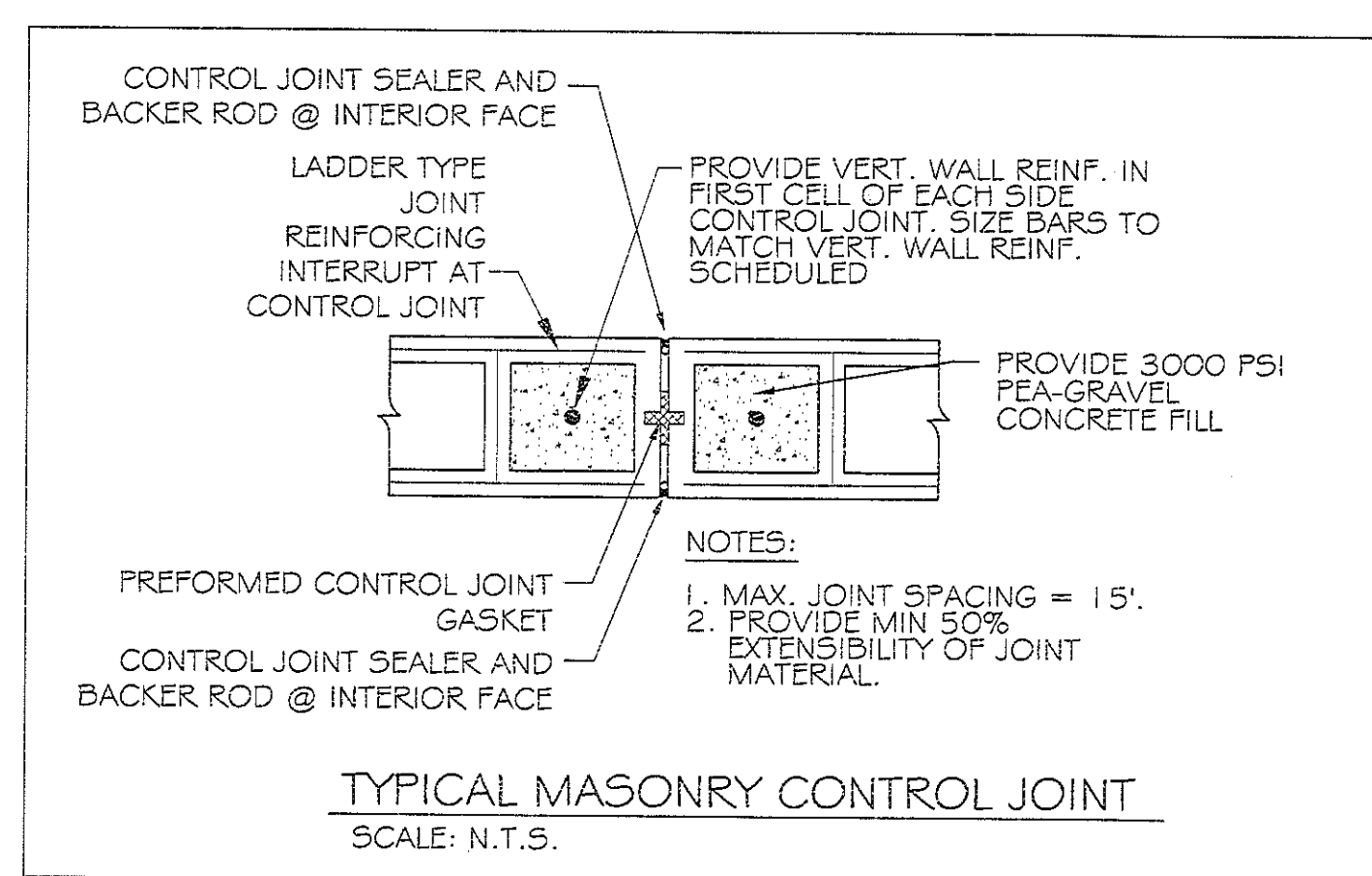
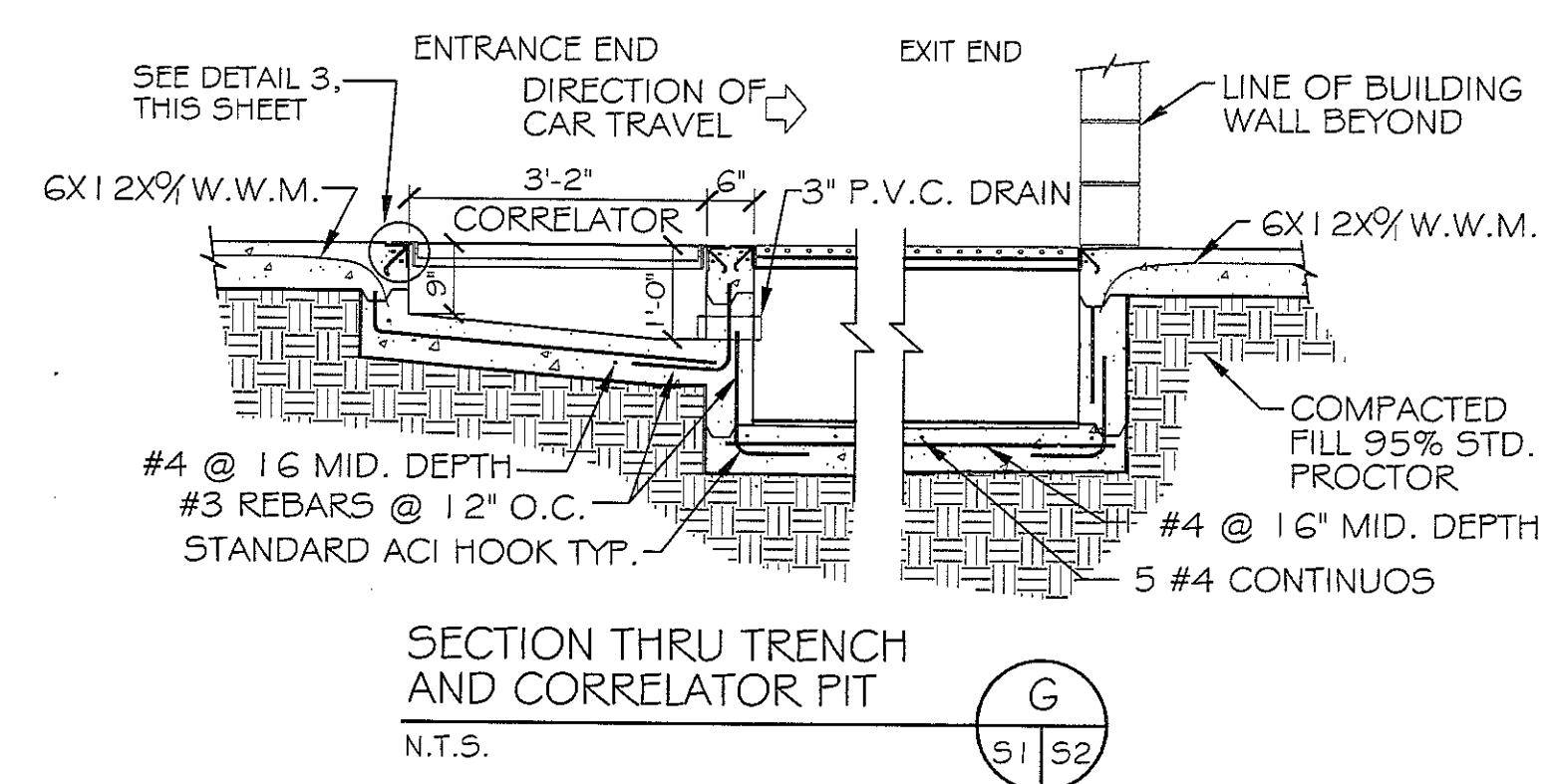
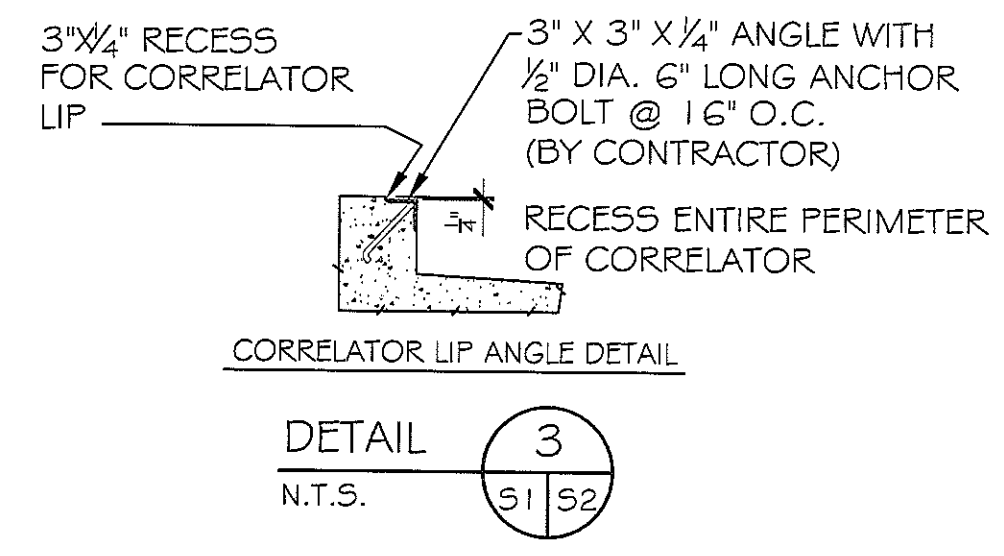
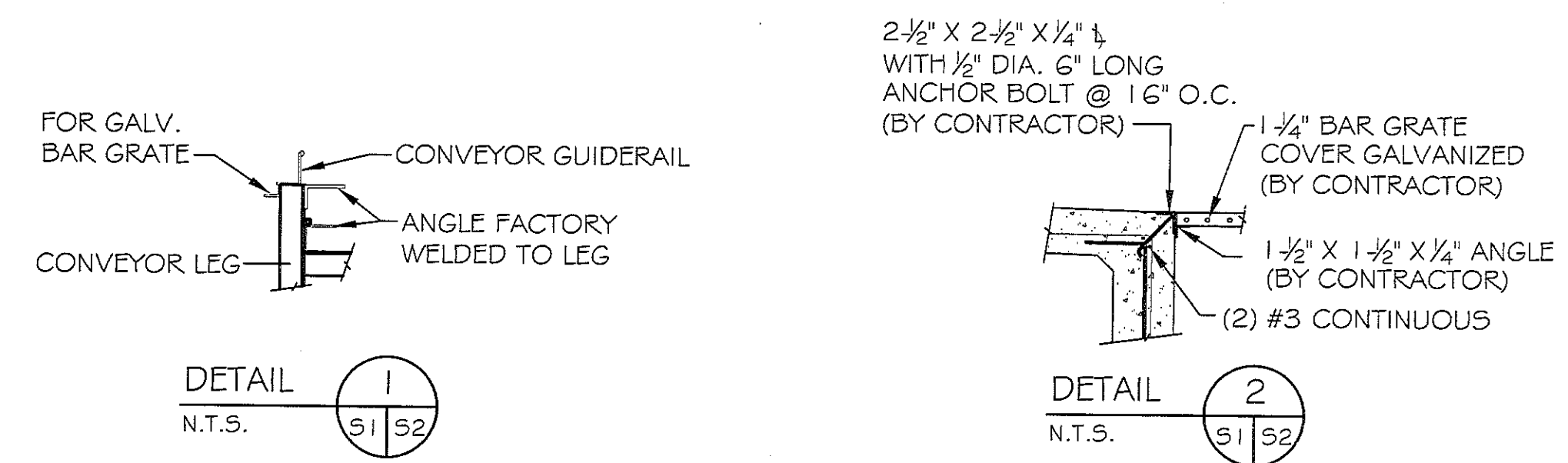


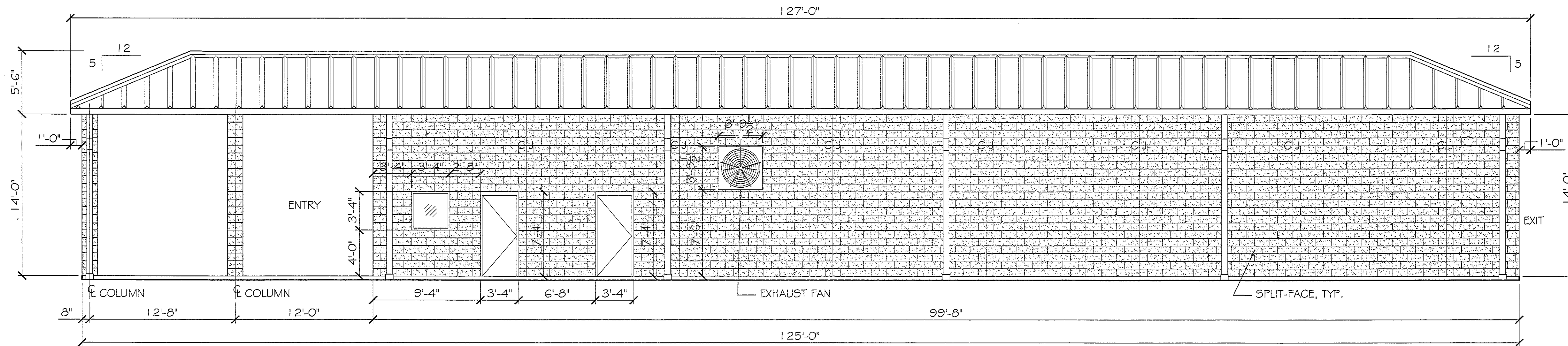
CARWASH FOUNDATION & CMU DETAILS

CMU LINTEL SCHEDULE

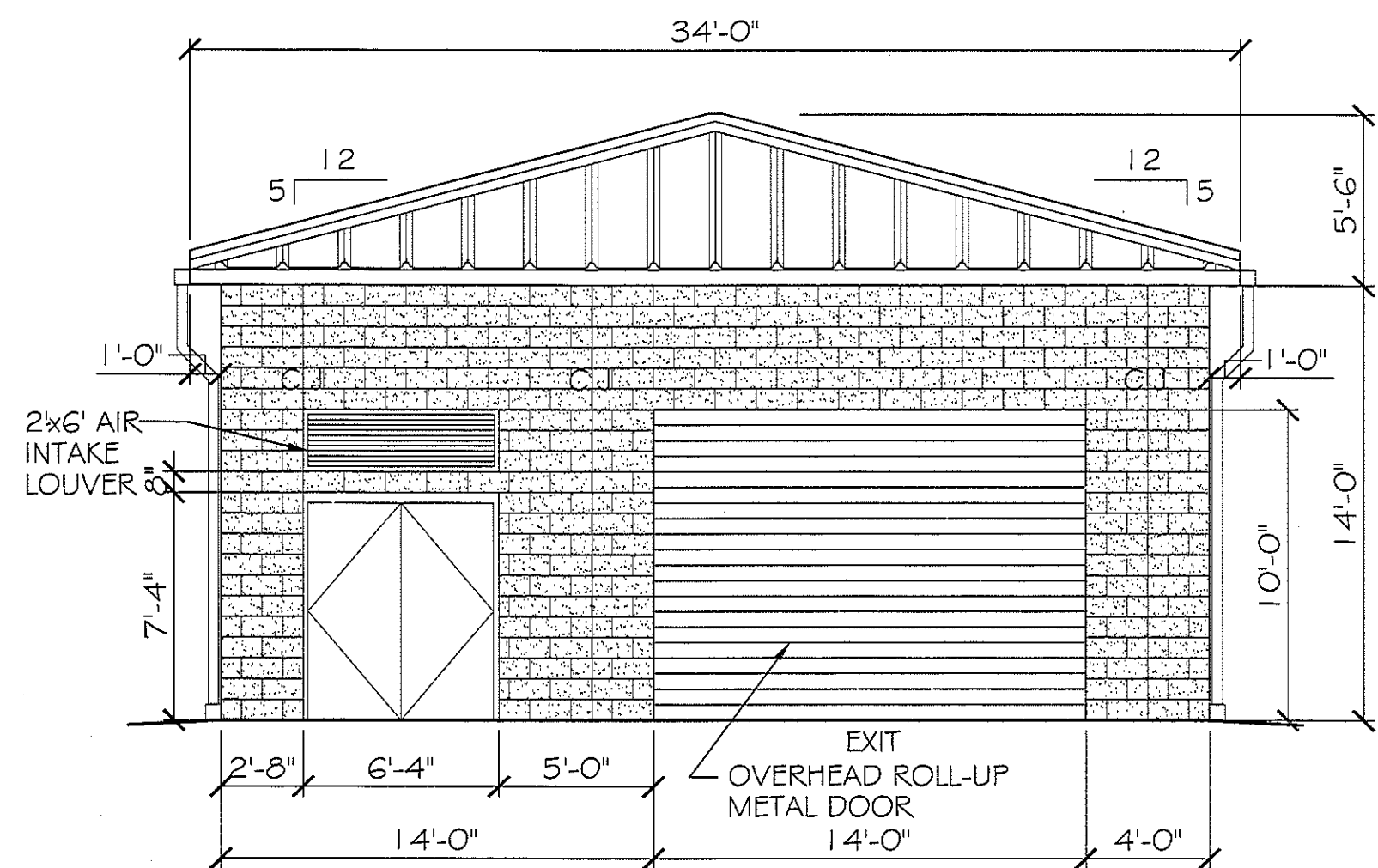
WIDTH (W)	CLEAR SPAN	DEPTH (D)	HORIZ. REINF.
8" TYP AT ALL CMU WALLS	UP TO 3'-4"	8"	(1) #6 BOTTOM
	UP TO 6'-4"	16"	(1) #6 T#B
	UP TO 14'-0"	24"	(2) #6 T#B

PROVIDE 3000 PSI PEA-GRAVEL CONCRETE FILL FOR ALL LINTELS.

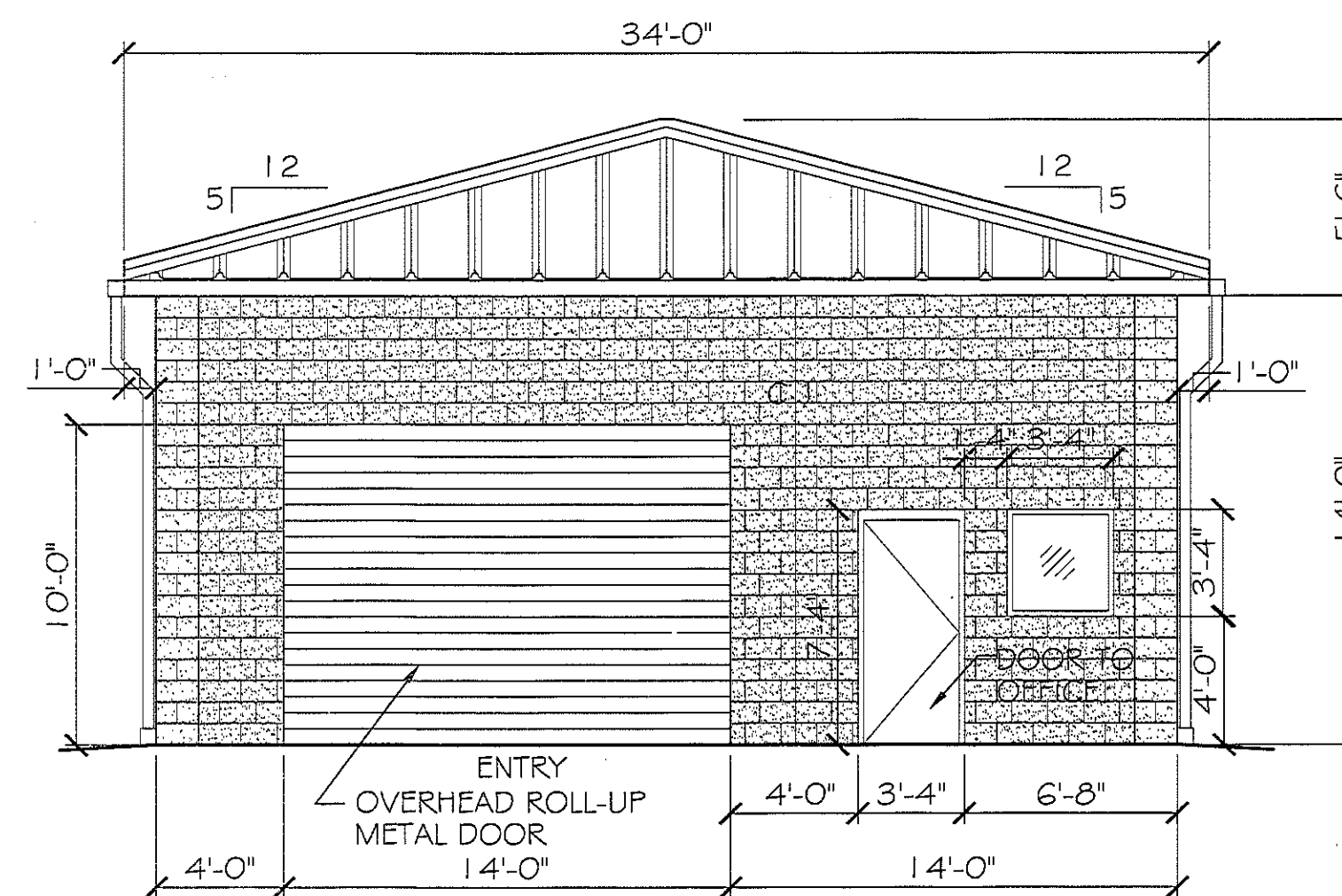




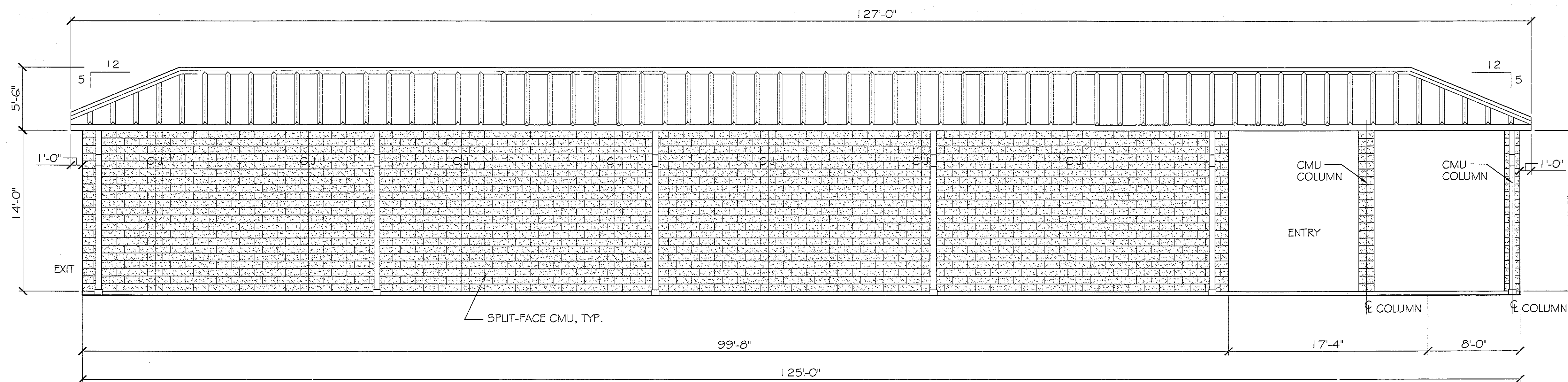
SIDE ELEVATION
SCALE: 3/16"=1'-0"



END (EXIT) ELEVATION
SCALE: 3/16"=1'-0"



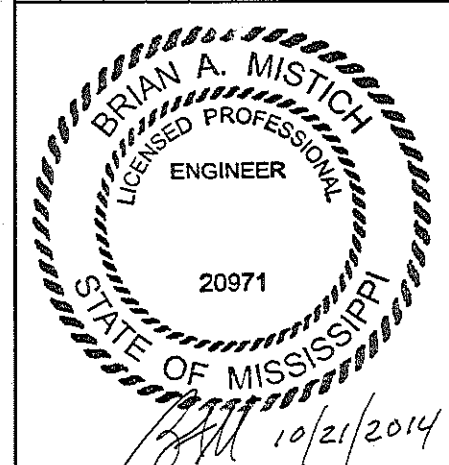
COVERED (ENTRY) ELEVATION
SCALE: 3/16"=1'-0"



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

RAINFOREST CARWASH # 2
6485 U.S. HWY. 49

#	DESCRIPTION	DATE



CARWASH EXTERIOR ELEVATIONS

SHEET No: 11 OF 14

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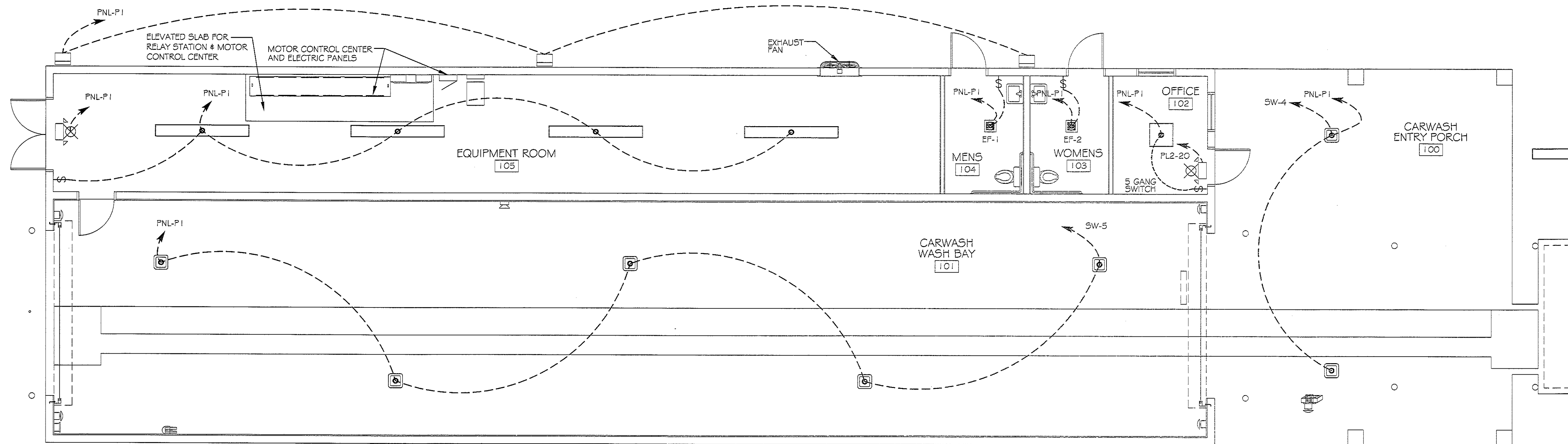
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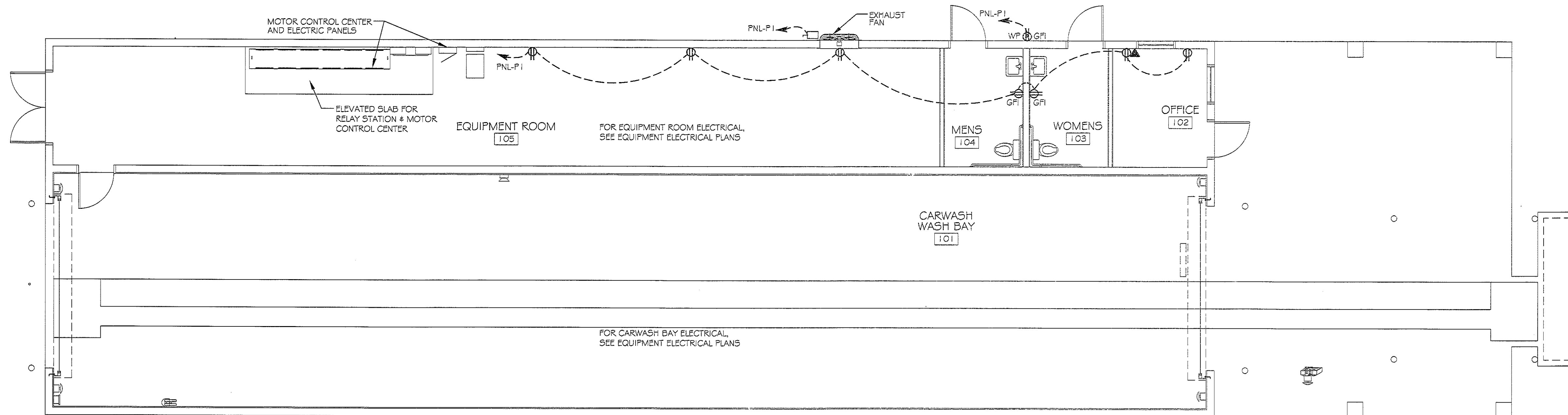
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JOB No: 2212 DATE: 10-21-2014
DRAWN BY: JTL CHECKED BY: CKD



CARWASH BUILDING LIGHTING PLAN
SCALE: 3/16" = 1'-0"

- LIGHTING LEGEND**
- - 2x2' FLUORESCENT LIGHT (100W) 120V 10
 - ⊗ - SCOTTSDALE SC320 PSMV PULSE-START METAL HALIDE LIGHT (320W) 120V 10
 - ⊠ - EXHAUST FAN/LIGHT COMBO (90 w EA.)
 - - 1'x8' FLUORESCENT LIGHT STRIP (128W) 120V 10
 - ⊠ - EXIT/EMERGENCY LIGHT COMBO W/ 90 MIN. BATTERY BACKUP (12W)
 - ⊠ - EXTERIOR WATERPROOF WALL MOUNTED H.P. METAL HALIDE LIGHT (175W)
 - ⊠ - POWER PANEL
 - ⊠ - SWITCH



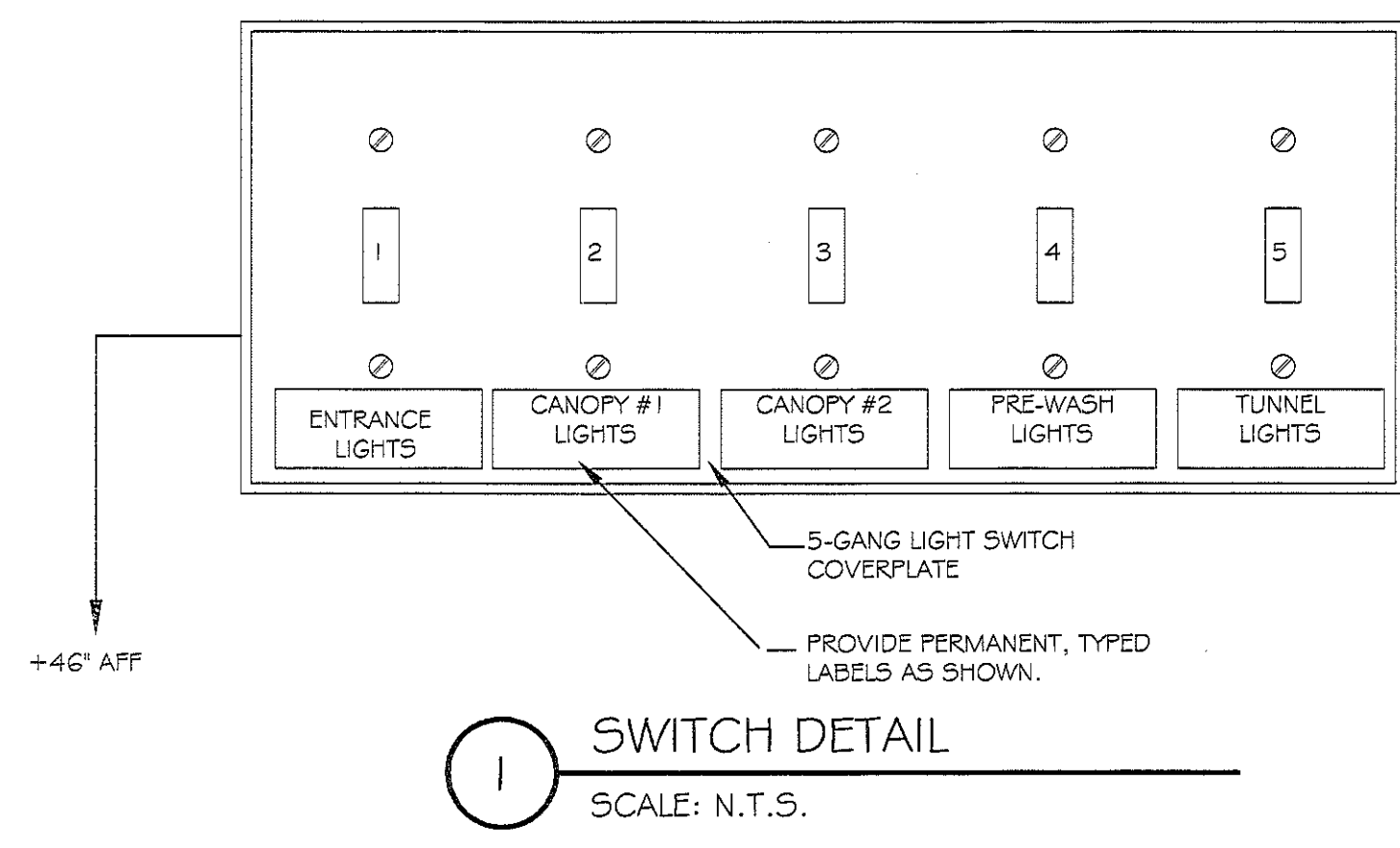
CARWASH BUILDING POWER PLAN
SCALE: 3/16" = 1'-0"

- POWER LEGEND**
- ⊠ - RECEPTACLE 20A 115V
 - ⊠ - GFI RECEPTACLE 20A 115V
 - ⊠ - GFI WEATHERPROOF RECEPTACLE
 - ⊠ - POWER PANEL
 - ⊠ - DISCONNECT
 - ⊠ - TELEPHONE

NOTE: SEE EQUIPMENT SUPPLIER'S DRAWINGS FOR EQUIPMENT, ELECTRICAL, CONDUIT, AND WIRING REQUIREMENTS PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS.

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT. AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
10. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE CONDUIT & WIRE OR TYPE MC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS/. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES. WHERE LAY IN FIXTURES ARE IN USE, USE 1 1/2 IS ALLOWED FOR 6" W/FS.
12. ALL ELECTRICAL SWITCHES AND RECEPTACLES SHALL BE RATED AT NOT LESS THAN 20 AMPS.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
18. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
19. ALL ABOVE GROUND PVC TO BE SCHEDULE 80.
20. SCOTTSDALE LIGHT FIXTURES ARE MULTI-TAPPED AND MUST BE SET AT 120 VOLT SINGLE PHASE.



SWITCH DETAIL
SCALE: N.T.S.

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RAINFOREST CARWASH # 2
6485 U.S. HWY. 49

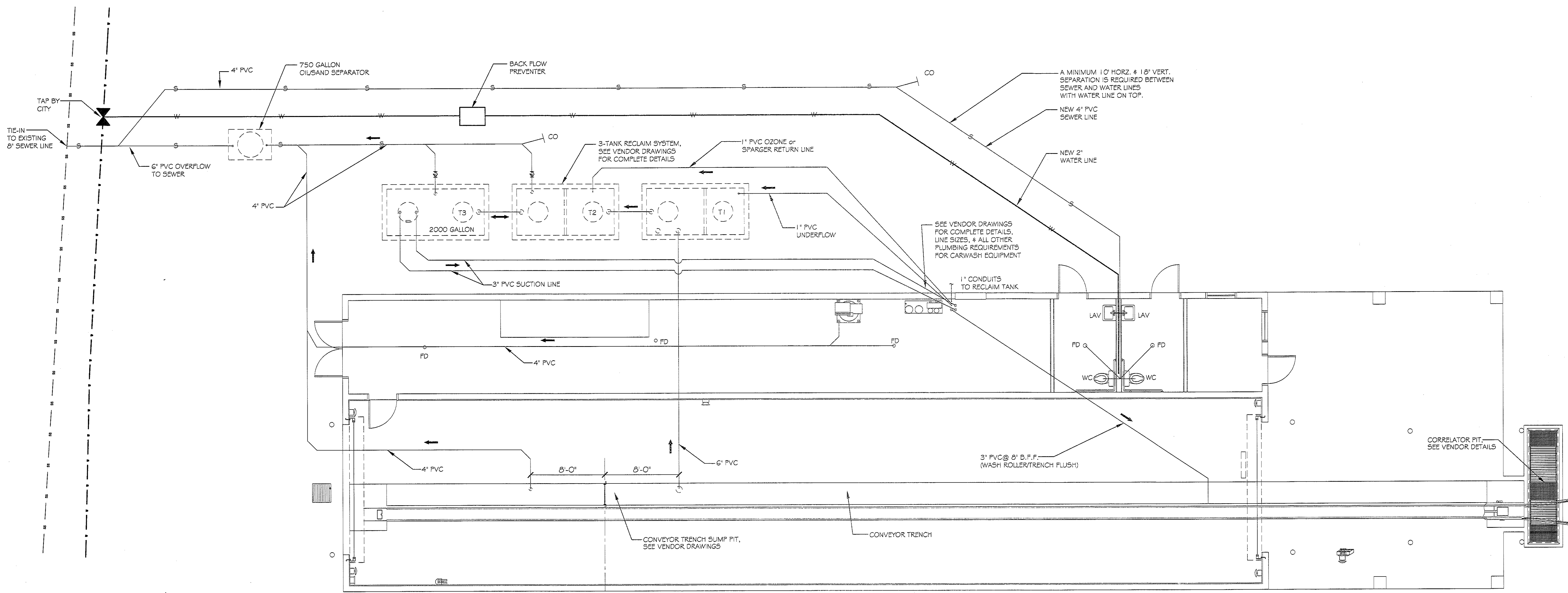
#	DESCRIPTION	DATE



BUILDING ELECTRICAL POWER & LIGHTING

SHEET No: 12 OF 14

E1

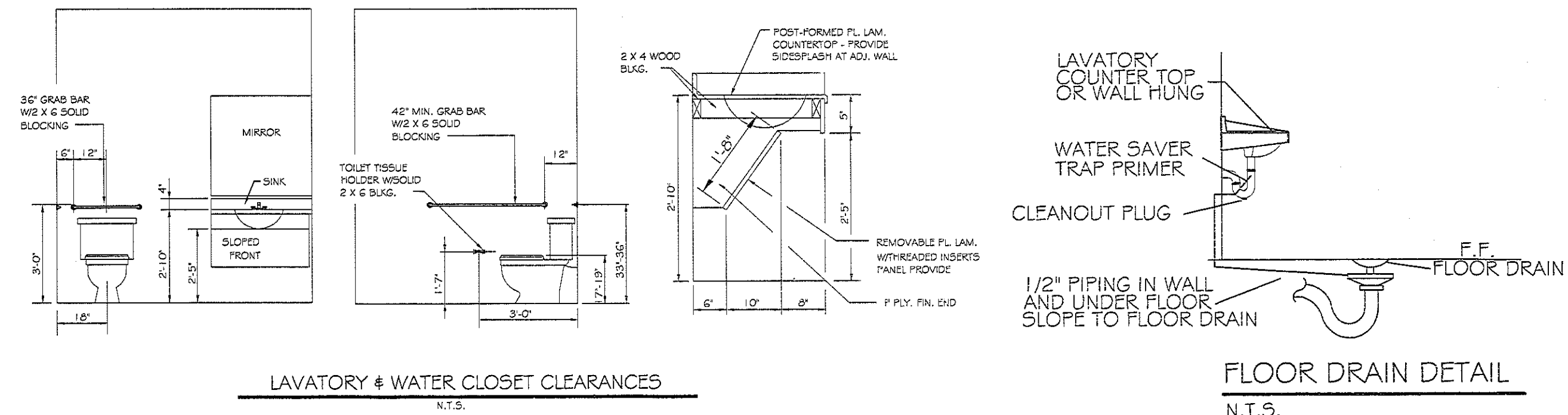


CARWASH PLUMBING PLAN
SCALE: 3/16" = 1'-0"

NOTE:
FIELD VERIFY ALL PLUMBING REQUIREMENTS WITH CARWASH MFG./VENDOR

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	TYPE	ROUGH-IN SIZES			NOTES	
			WASTE	VENT	CW		FW
WC	H.C. WATER CLOSET	VALVE	4"	4"	4"	-	2, 3, 5
LAV	H.C. LAVATORY	WALL HUNG	2"	2"	1 1/2"	1 1/2"	1, 2, 3
FD	FLOOR DRAIN	-	2"	2"	-	-	4, 5
WH	WATER HEATER DRAIN	-	-	2"	3/4"	-	5

- FIXTURE NOTES:**
- INSULATE PIPING FOR HANDICAP FIXTURES.
 - PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
 - H.C. - HANDICAP FIXTURE
 - INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
 - FIXTURES SELECTED BY OWNER.



PLUMBING NOTES

- PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO COLUMN. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
- ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
- SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINE 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
- TEST ALL PIPING AT REQUIRED PRESSURE.
- ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
- ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
- DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
- DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B1.6.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
- SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
- ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
- ALL PLUMBING LINES SHOWN ARE DIAGRAMATIC.

RAINFORST CARWASH #2
6485 U.S. HWY. 49

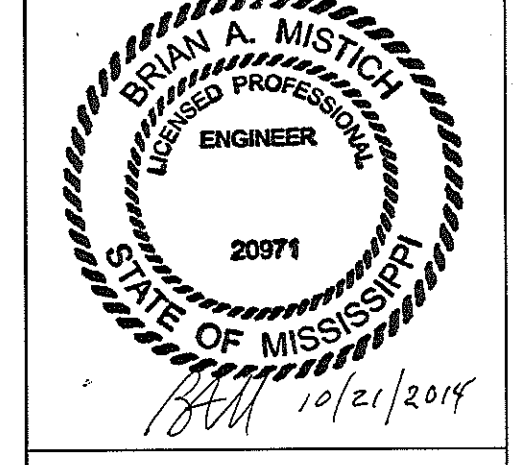
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Architects & Engineers

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HATTIESBURG, MISSISSIPPI 39401	DATE: 10-21-2014	CHECKED BY: CKD
JOB No: 2212		
DRAWN BY: JTL		

#	DESCRIPTION	DATE



CARWASH PLUMBING PLAN

SHEET No: 14 OF 14

P1