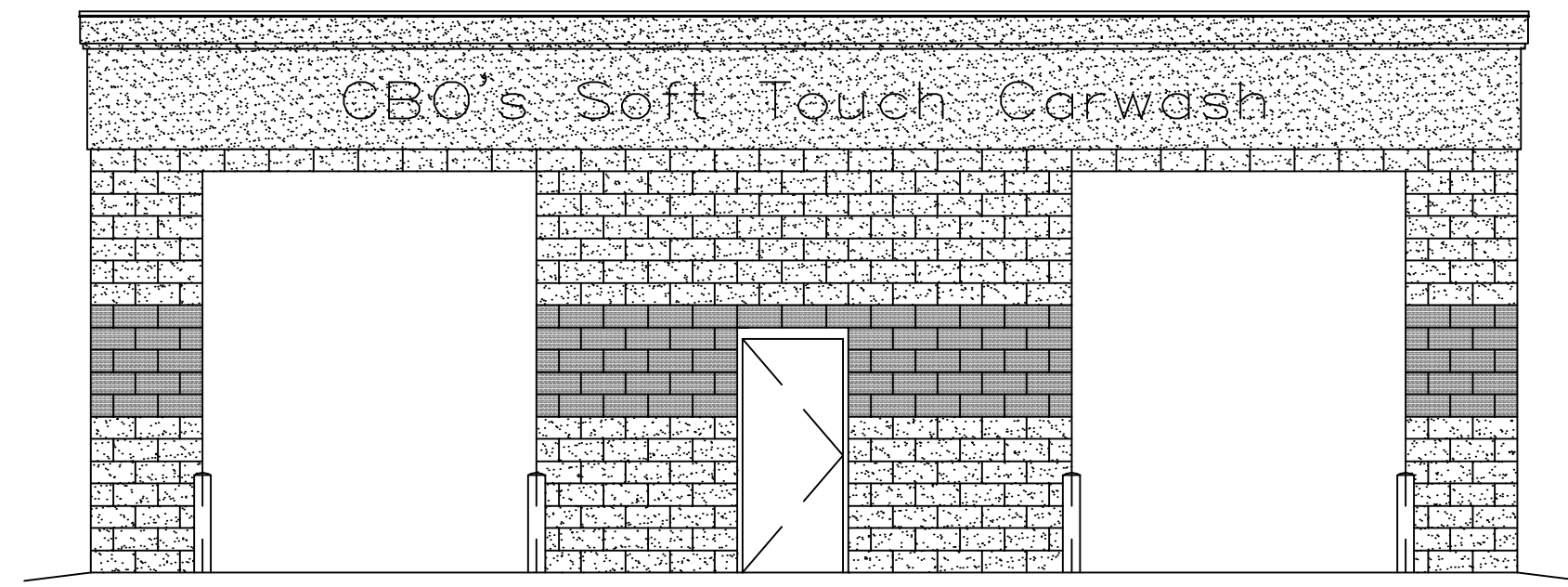
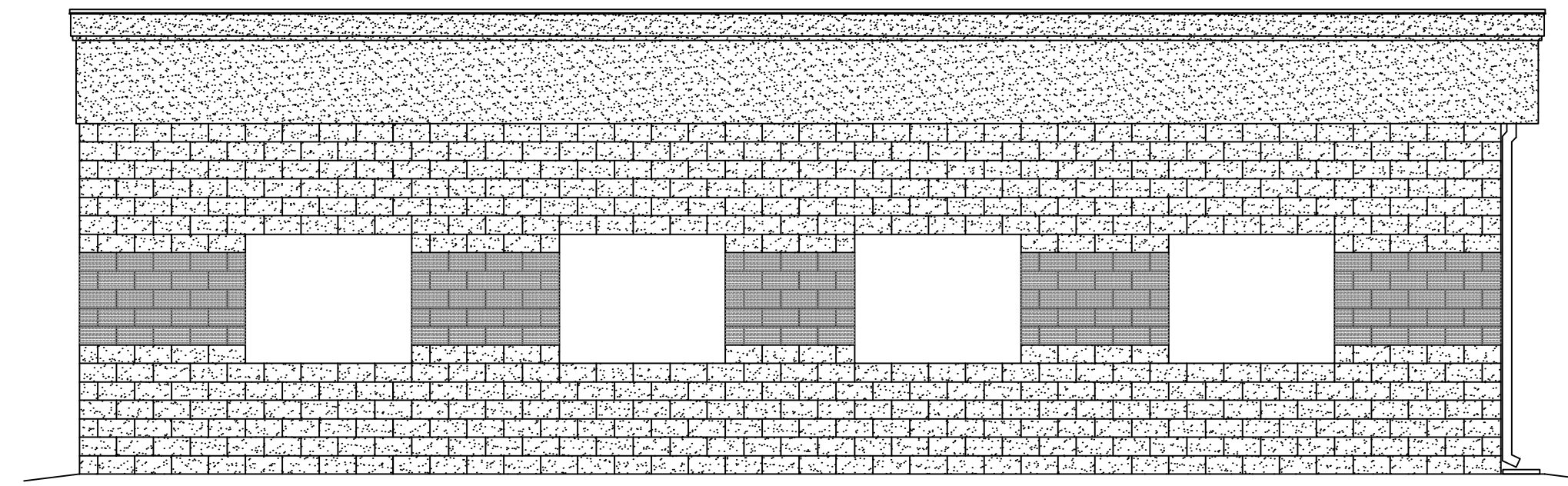


CBO's Soft Touch Carwash



NORTH-FRONT ELEVATION



WEST-SIDE ELEVATION

LOT 5A EAST HALL STREET SLIDELL, LA

SQUARE FEET TOTAL: 2,190 SQ. FT.

ZONED C-3

INTERNATIONAL BUILDING CODE 2006

OCCUPANCY CLASSIFICATION:
BUSINESS, GROUP B. (SEC 304.1)

OCCUPANT LOAD: (TBL 1004.1.1)
BUSINESS AREAS = 100 GROSS SQ.FT. / OCCUPANT
2,190 SQ.FT. GROSS BUILDING = TOTAL OF 22 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 1019)
1 EXIT REQUIRED FOR < 49 OCCUPANTS IN BUSINESS OCCUPANCY (4 EXITS PROVIDED)
EXIT ACCESS TRAVEL DISTANCE = 200' UNSPRINKLED

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
B=23,000 SQ.FT. / 4 STORY ALLOWED, THIS PROJECT 1 STORY / 2,190 SQ.FT.

CONSTRUCTION CLASSIFICATION: (SEC 602.2)
TYPE II B

FIRE RESISTANCE RATING REQUIREMENTS FOR BLDG. ELEMENTS: (TBL 601)

STRUCTURAL FRAME= 0 HRS.
BEARING WALLS (INTERIOR AND EXTERIOR)= 0 HRS.
NON-BEARING WALLS= 0 HRS.
FLOOR CONSTRUCTION= 0 HRS.
ROOF CONSTRUCTION= 0 HRS.

NOTE: FIRE PROTECTION OF STRUCTURAL MEMBERS REQUIRED IN WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20' ABOVE SLAB. ALL ROOF CONSTRUCTION < 20' ABOVE SLAB.

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS: (TBL 602)
EXTERIOR WALLS WITH 10' <= 30' FIRE SEPARATION DISTANCE = 0 HR.

FIRE ALARM SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. DOES NOT REQUIRE A FIRE ALARM SYSTEM IN ACCORDANCE WITH SEC 907.2.2 & SEC 907.2.7

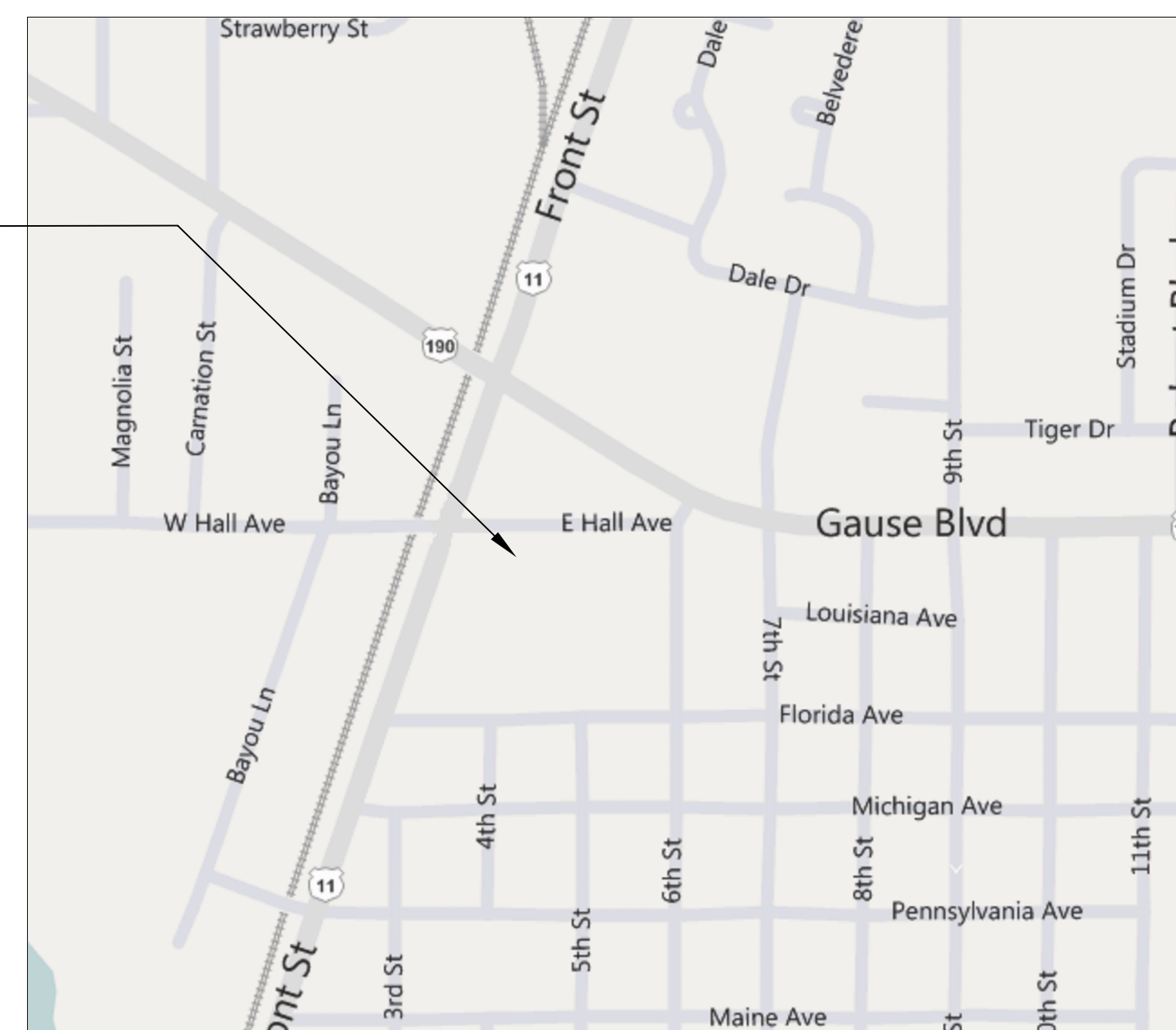
CONSTRUCTION DOCUMENTS: (SEC 1603)
THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AS A FULLY ENCLOSED BLDG., WITH AN INTERNAL PRESSURE COEFFICIENT OF + OR - 0.18 (ASCE 7-05 FIGURE 6-5), AND USING THE FOLLOWING INFORMATION:

BASIC WIND SPEED (3 SECOND GUSTS)= 130 MPH (FIG 1609)
IMPORTANCE FACTOR: CATEGORY III BLDG., I_E = 1.00, I_S = 1.0, I_W = 1.00 (TBL 1604.5)
EXPOSURE B, DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.4

LIVE LOADS TBL 1607.1 OFFICE BUILDINGS
CORRIDORS ABOVE FIRST FLOOR = 80PSF
FILE AND COMPUTER ROOMS SHALL BE DESIGNED FOR HEAVIER LOADS BASED ON ANTICIPATED OCCUPANCY =
LOBBIES AND FIRST-FLOOR CORRIDORS = 100PSF
OFFICES = 50 PSF

BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES & ASSOC., INC.
THIS PROPERTY IS IN A SPECIAL FLOOD HAZARD AREA.
F.I.R.M. COMMUNITY MAP NO. 220204 0010C E; DATE 4/21/99
FLOOD ZONE: AE; B.F.E. = 12'

WORK SITE



VICINITY MAP
N.T.S.

INDEX OF DRAWINGS	
DWG#	DRAWING NAME
-	COVER SHEET
C-1	COPY OF SURVEY
C-2	SITE PLAN
C-3	SITE PAVING PLAN
C-4	SITE DRAINAGE PLAN
C-5	SITE UTILITIES PLAN
C-6	SILT FENCE DETAILS
S-1	FOUNDATION PLAN, NOTES, & DETAILS
S-2	MASONRY PLAN
S-3	MASONRY SECTIONS & DETAILS
A-1	FLOOR PLAN
A-2	SCHEDULES AND NOTES
A-3	EXTERIOR ELEVATIONS
A-4	BUILDING & WALL SECTIONS
F-1	ROOF AND FRAMING PLAN
E-1	ELECTRICAL POWER PLAN, NOTES, & SCHEDULES
E-2	ELECTRICAL LIGHTING PLAN
P-1	PLUMBING PLAN, NOTES, & DETAILS

DETAILED BUILDING REQUIREMENTS (MAIN WIND FORCE RESISTING COMPONENTS)

- THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND STRUCTURES SHALL BE IN ACCORDANCE WITH EITHER THE AISC LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC-LRFD), AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN (AISC-ASD) OR AISC SPECIFICATION FOR THE DESIGN OF STEEL HOLLOW STRUCTURAL SECTIONS (AISC-HSS). WIND LOAD DESIGN OF 130 MPH.
- ROOF COVERING HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN IBC SECTION 1507
- 7/16" THICK STRUCTURAL WOOD PANELS AND ATTACHMENT HARDWARE SHALL BE PROVIDED FOR BUILDING OCCUPANCY THE PANELS SHALL BE NUMBERED FOR EACH GLAZED OPENING AND SHALL BE STORED ON SITE PERMANENTLY (IBC 1609.1.2, EXCEPTION)

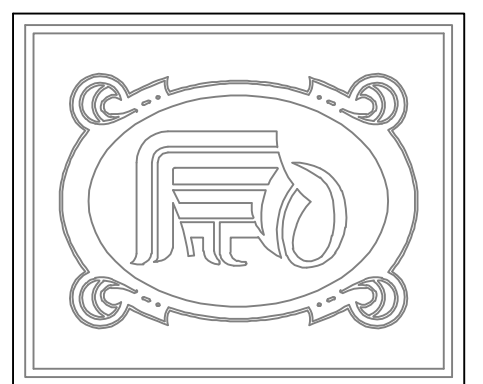
CONTRACTOR NOTE!

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-FORCE-RESISTING COMPONENT OF THIS BUILDING SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF THE WORK ON THAT COMPONENT. (IBC 1706.3)

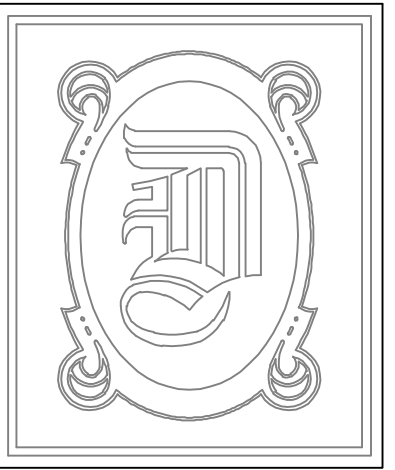
CECIL BOYD'S CARWASH
LOT 5A
EAST HALL ST.
SLIDELL, LA 70458

DATE: 09-13-10
JOB NO. 2074

DAMMON ENGINEERING, INC.
OFFICE: (985) 649-5832
1095 FLORIDA AVE.
SLIDELL, LA 70458
FAX: (985) 641-5950
WEBSITE: WWW.DAMMONENGINEERING.COM
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SHEET 1
OF 18



DAMMON
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EMMETT
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CHIEF ARCHITECT
ROBERT
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ARCHITECTURE
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CECIL BOYD'S
CAR WASH
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EAST HALL ST.
SLIDELL, LA

COPY
OF
SURVEY

REV:

SCALE: AS NOTED

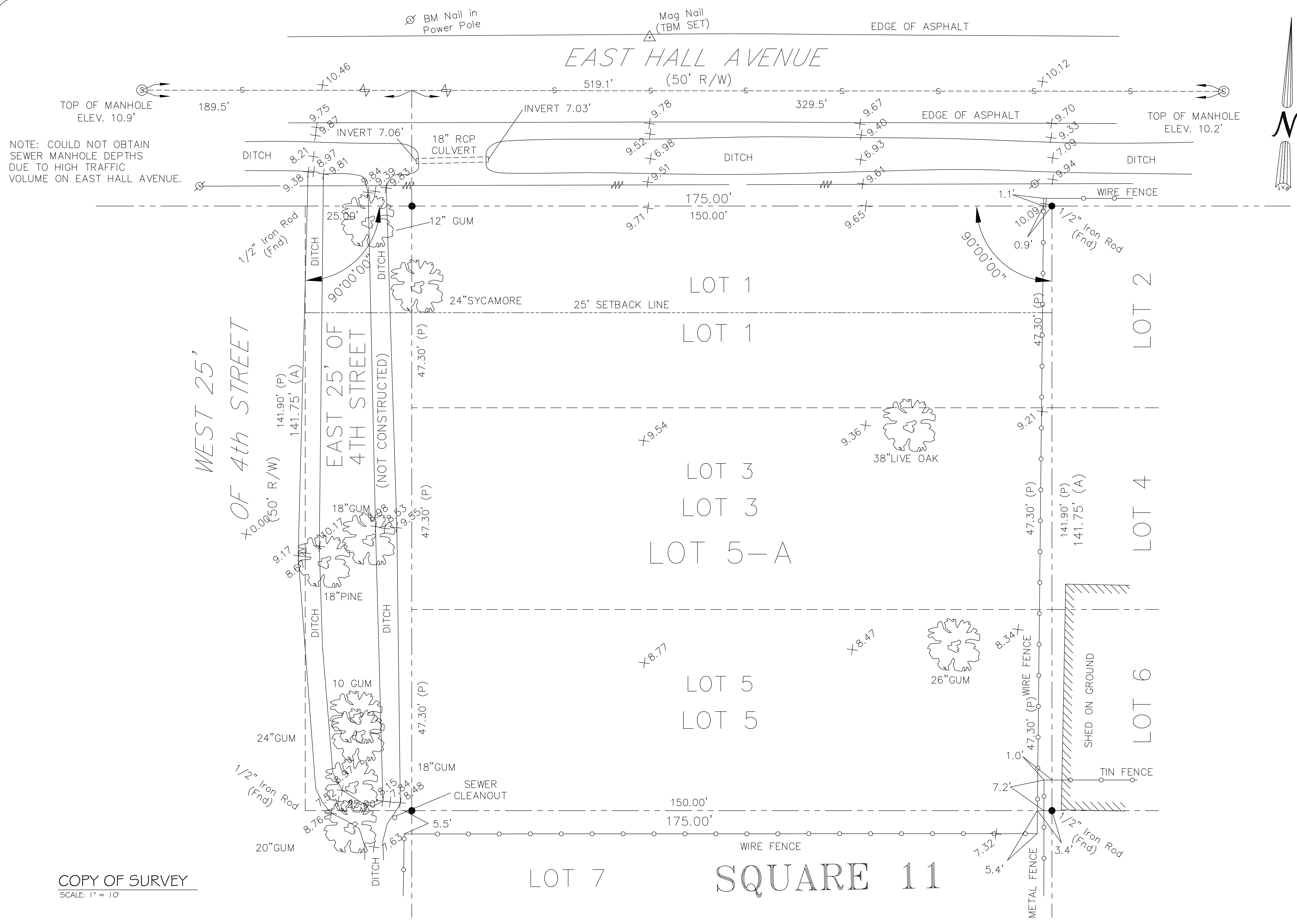
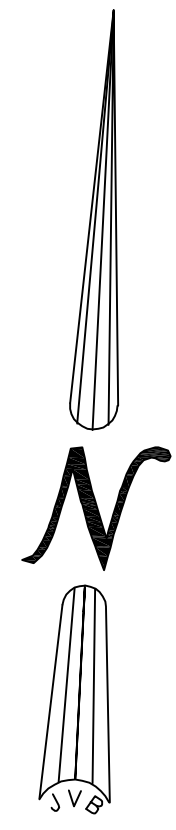
JOB#: 2074

DATE: 09-13-10

SHEET 2

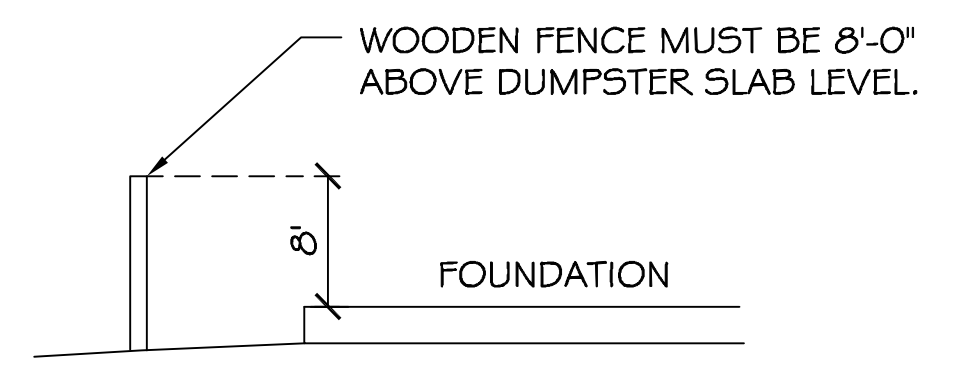
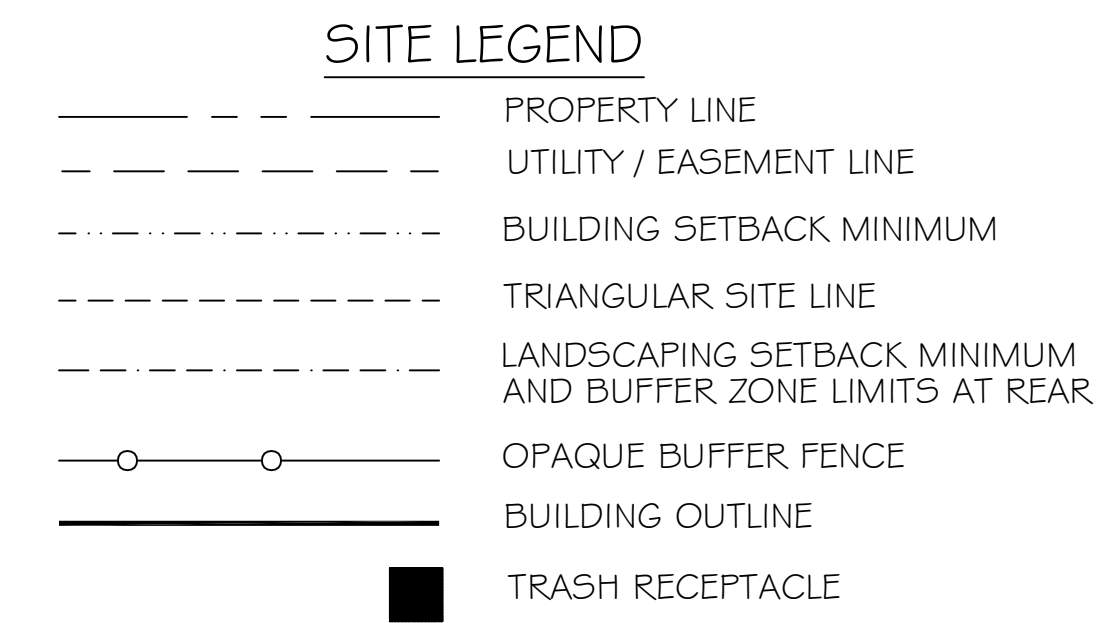
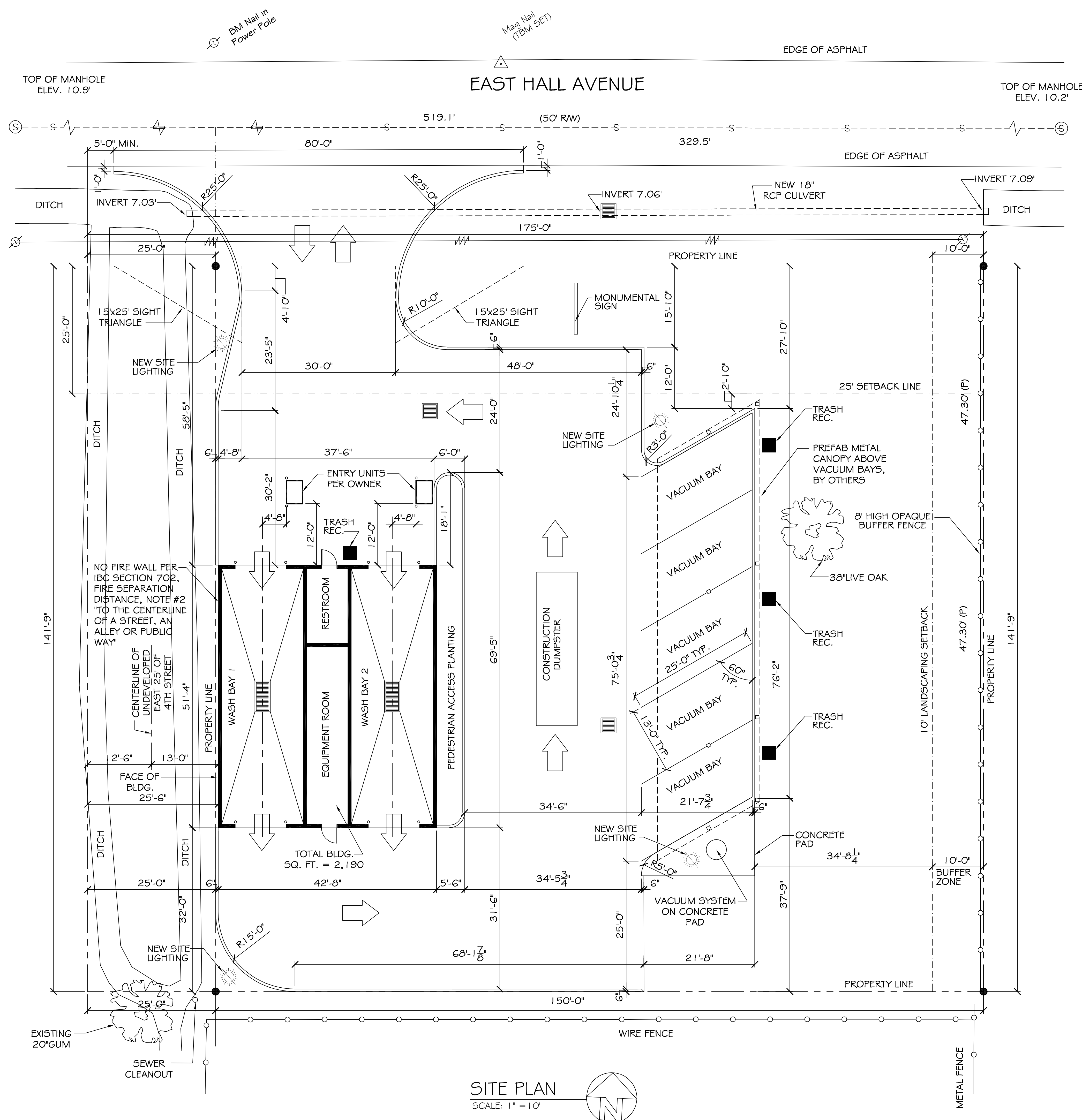
C-1

OF 18



NOTE: COULD NOT OBTAIN
SEWER MANHOLE DEPTHS
DUE TO HIGH TRAFFIC
VOLUME ON EAST HALL AVENUE.

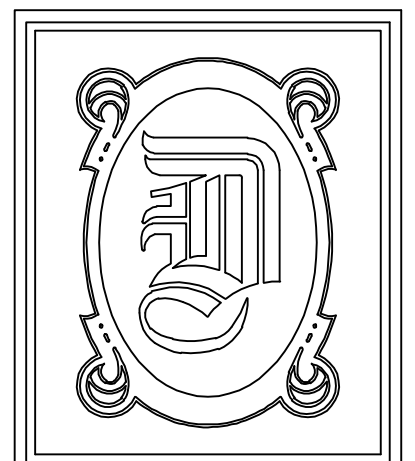
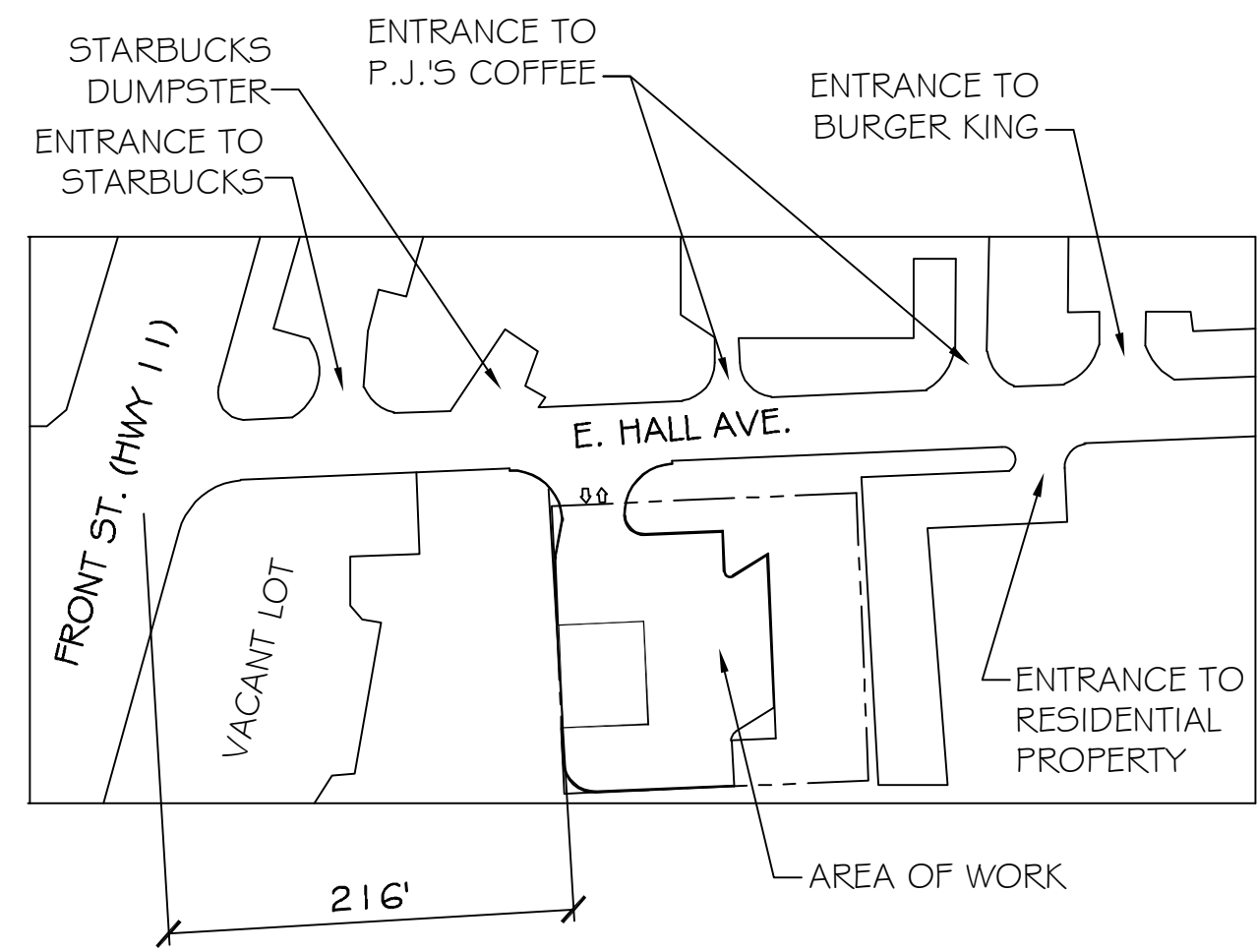
COPY OF SURVEY
SCALE: 1" = 10'



NOTE:
PAVEMENT IN ALL PARKING
AREAS SHALL BE 5" THICK
CONCRETE.

SITE LIGHTING
EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.

SITE PLAN NOTES
1. ROOFING MATERIAL: METAL ROOFING PANEL
2. SIDING MATERIAL: CONVENTIONAL STUCCO VENEER & CMU.
3. UTILITIES: ALL UTILITIES SHALL BE PLACED UNDERGROUND



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EXPERT WITNESS

CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

SITE PLAN

REV:

SCALE: AS NOTED

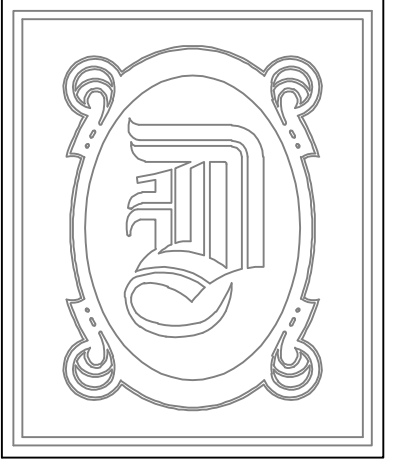
JOB#: 2074

DATE: 09-13-10

SHEET 3

C-2

OF 18



DAMMON ENGINEERING, INC.

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LOT 5A
EAST HALL ST.
SLIDELL, LA

PAVING
PLAN

REV: 09-28-10

SCALE: AS NOTED

JOB#: 2074

DATE: 09-13-10

SHEET 4

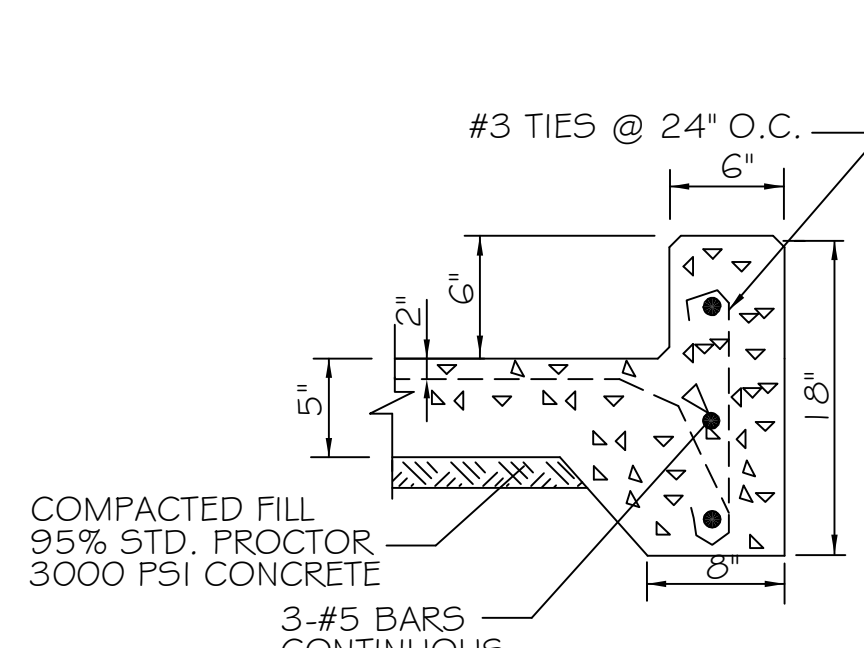
C-3

OF 18

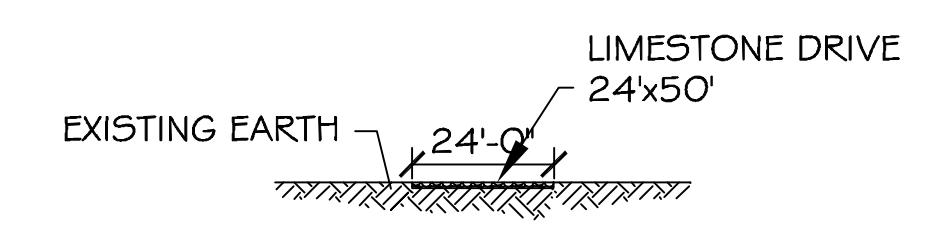
LEGEND:

- - - - - PROPERTY LINE
- - - - - BUILDING SETBACK MINIMUM
- - - - - NEW BUILDING
- - - - - NEW DROP INLET w/TEMP. SILT FENCING
- - - - - CONTROL JOINT
- - - - - EXPANSION JOINT
- - - - - T.O. GRATE ELEVATION
- - - - - INVERT ELEVATION
- - - - - NEW ELEVATIONS
- - - - - TEMPORARY SILT FENCING
- - - - - NEW 6" CURB, SEE DETAIL THIS SHEET
- - - - - NEW 6" PIPE BOLLARDS
- - - - - EXISTING SURVEY TOPO POINTS

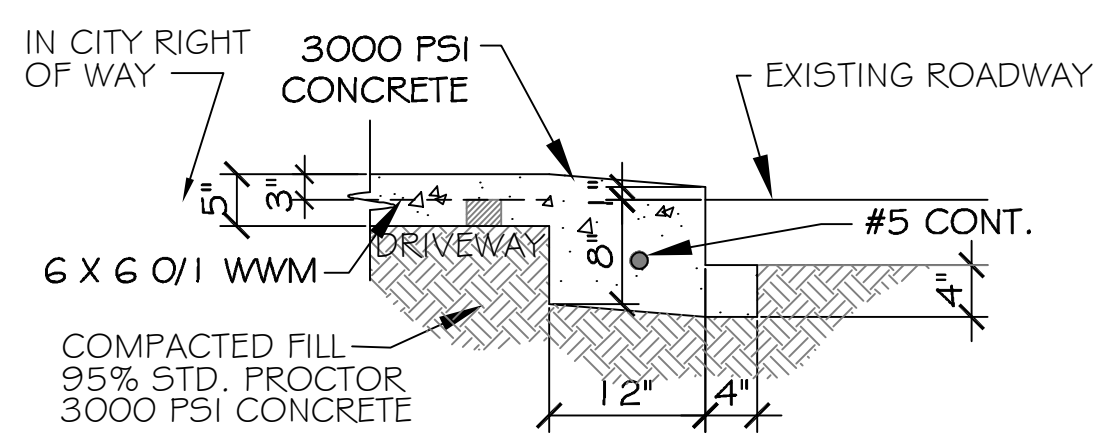
TYPICAL ENTRANCE DETAIL
N.T.S.



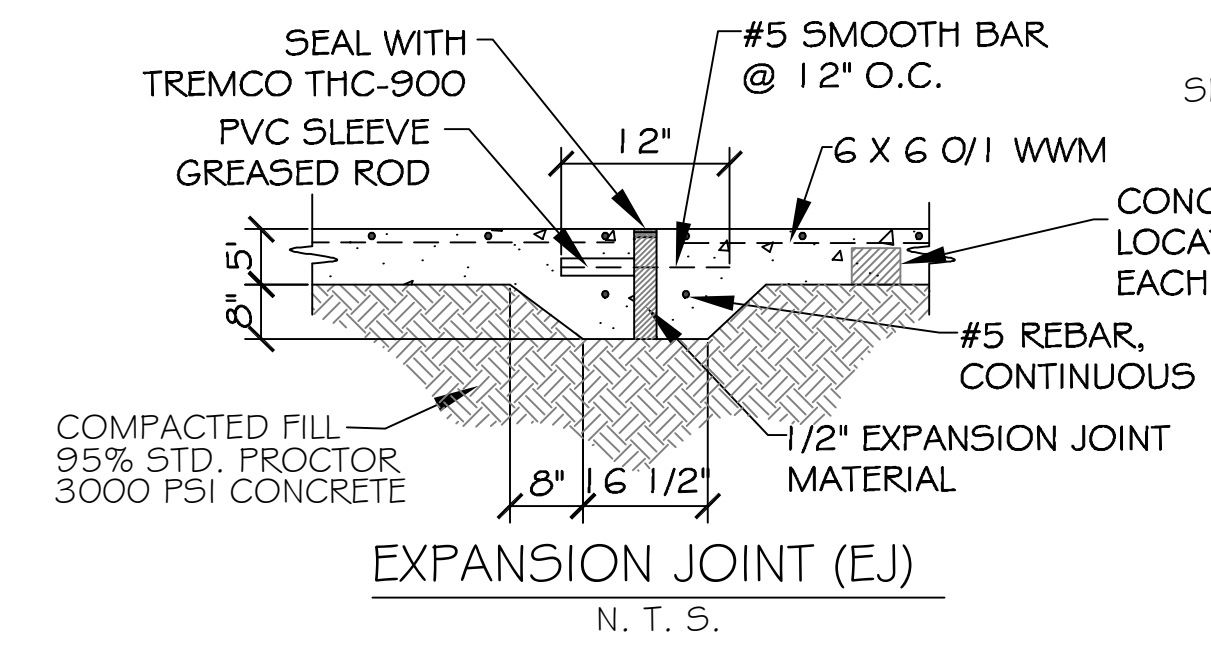
TYPICAL CURB DETAIL
N.T.S.



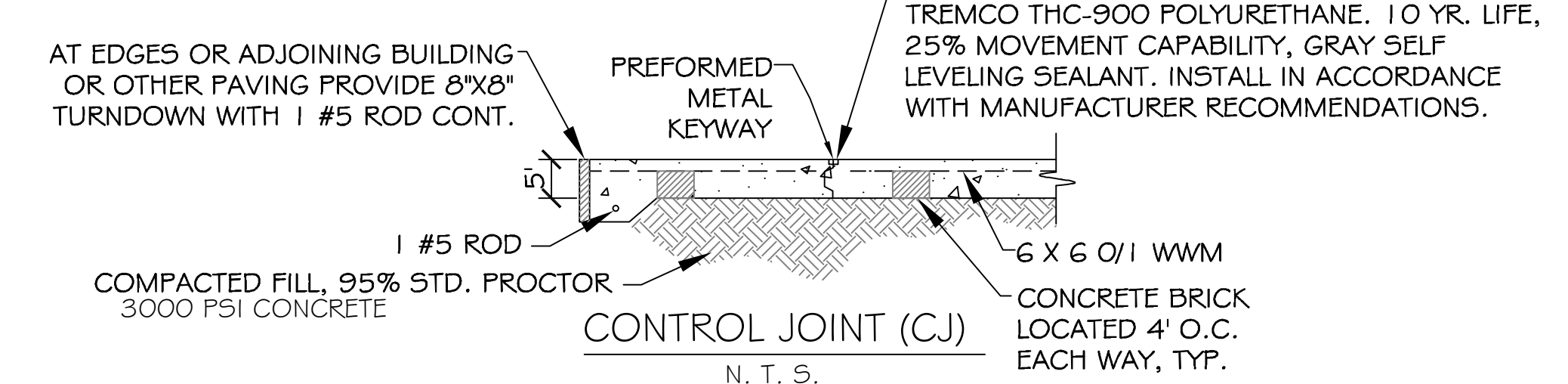
TEMP. ENTRANCE DETAIL
N.T.S.



DRIVEWAY SECTION (DS)
N.T.S.

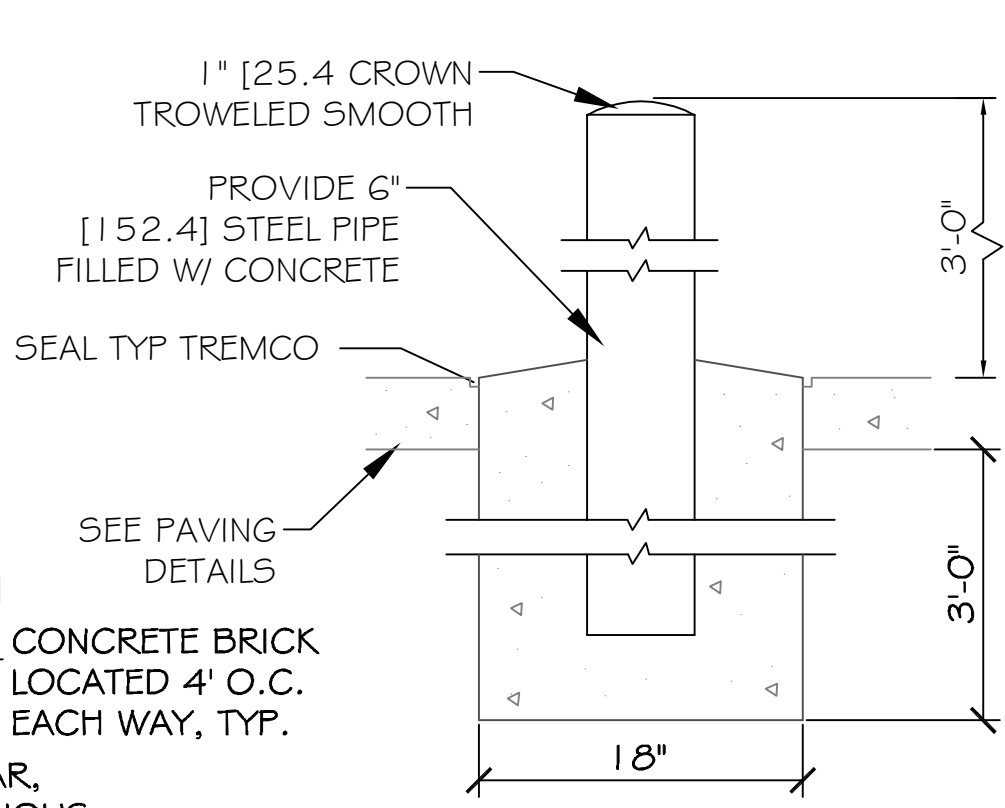


EXPANSION JOINT (EJ)
N.T.S.

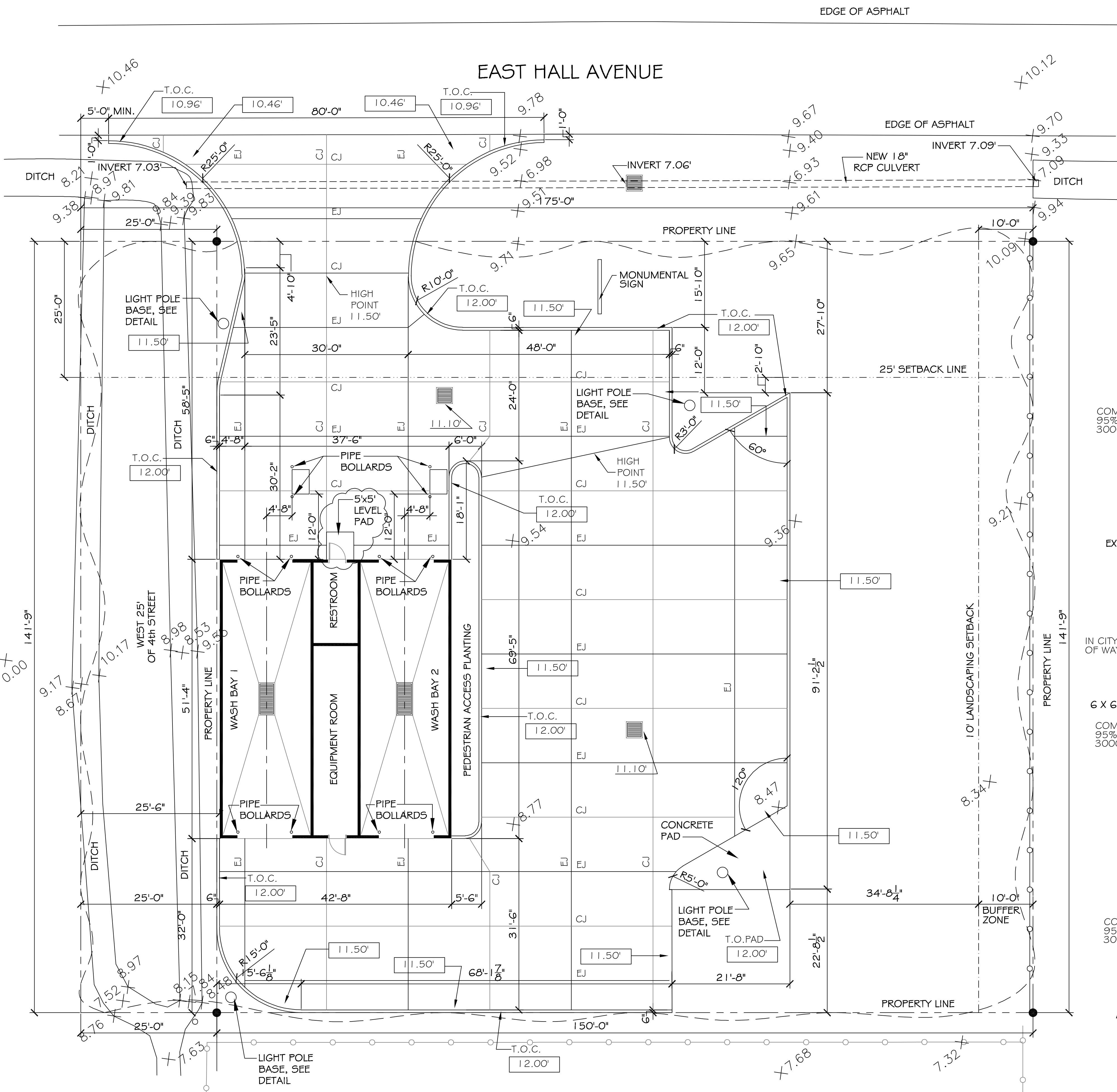
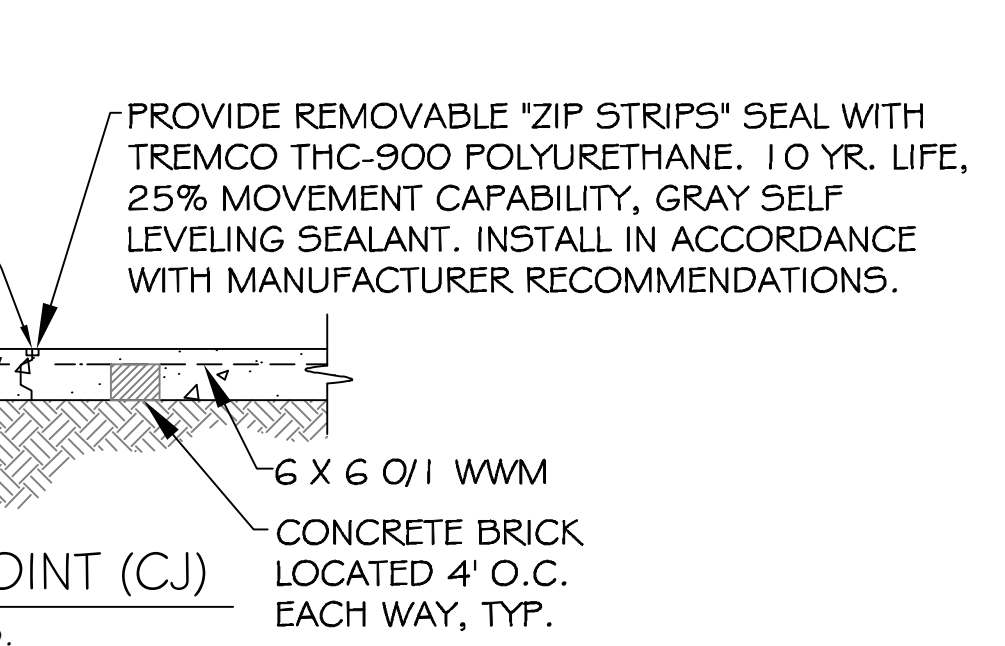


CONTROL JOINT (CJ)
N.T.S.

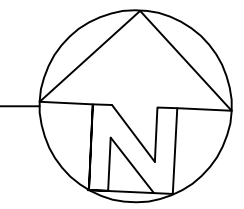
LIGHT POLE DETAIL
N.T.S.

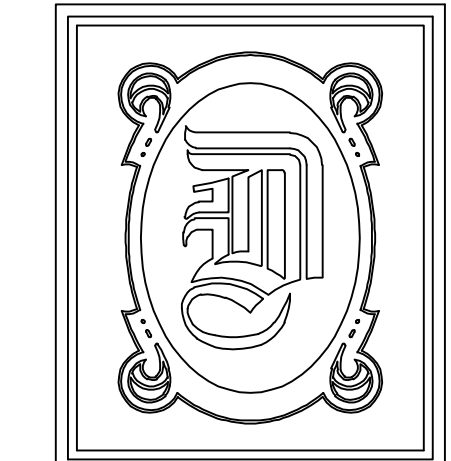


PIPE BOLLARD DETAIL
N.T.S.



SITE PAVING PLAN
SCALE: 1" = 10'





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CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

DRAINAGE
PLAN

REV: 10-4-10

SCALE: AS NOTED

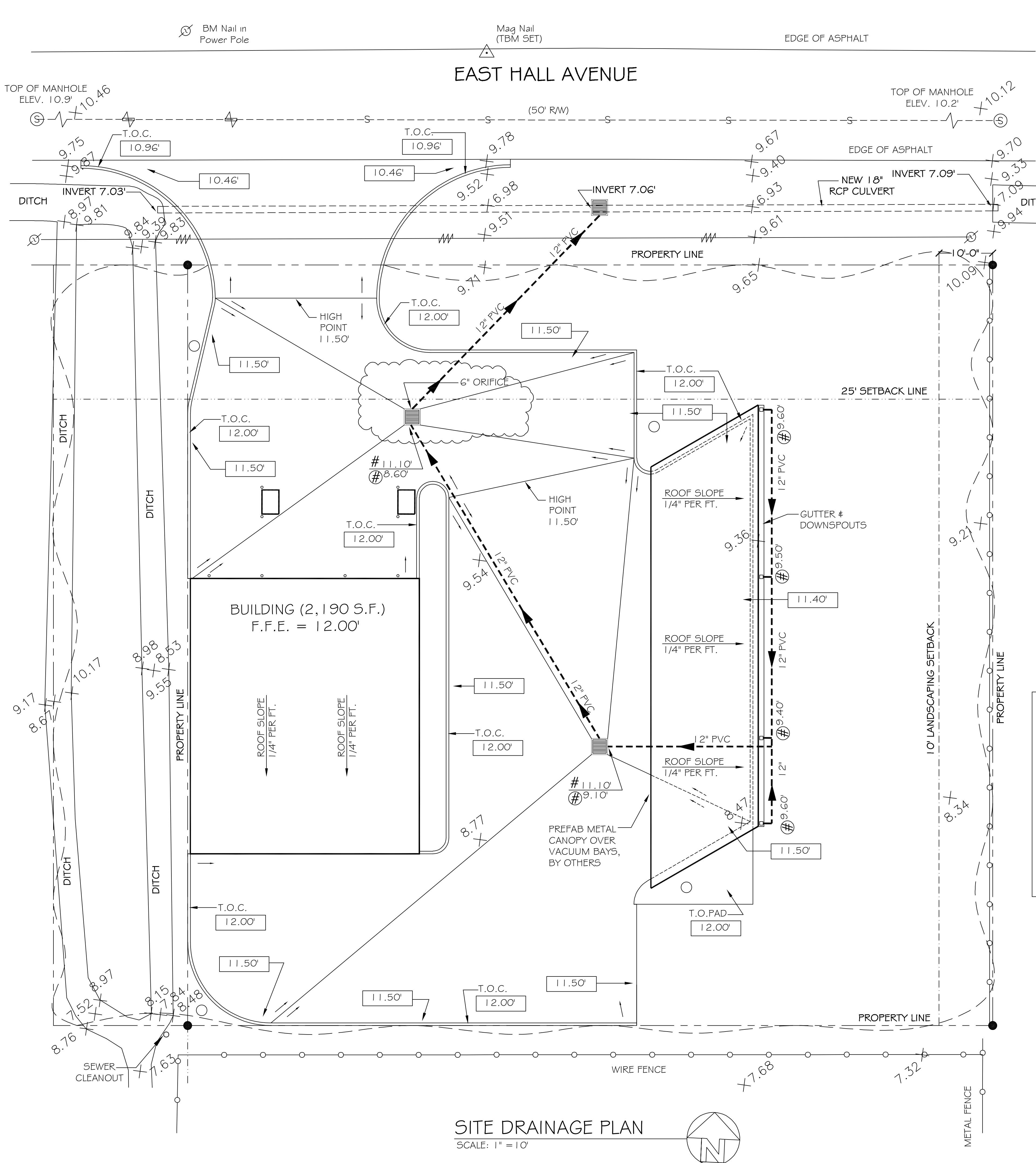
JOB#: 2074

DATE: 09-13-10

SHEET 5

C-4

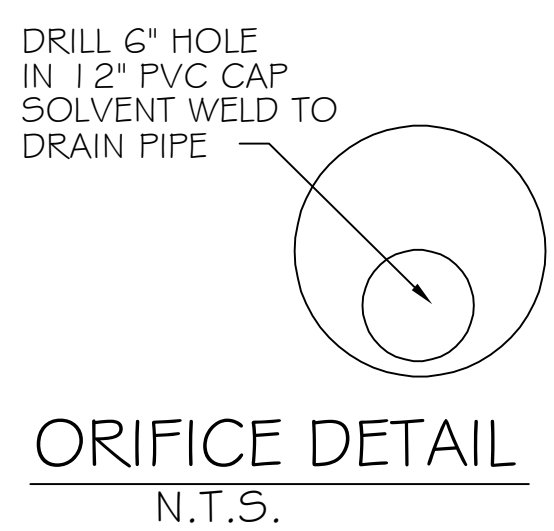
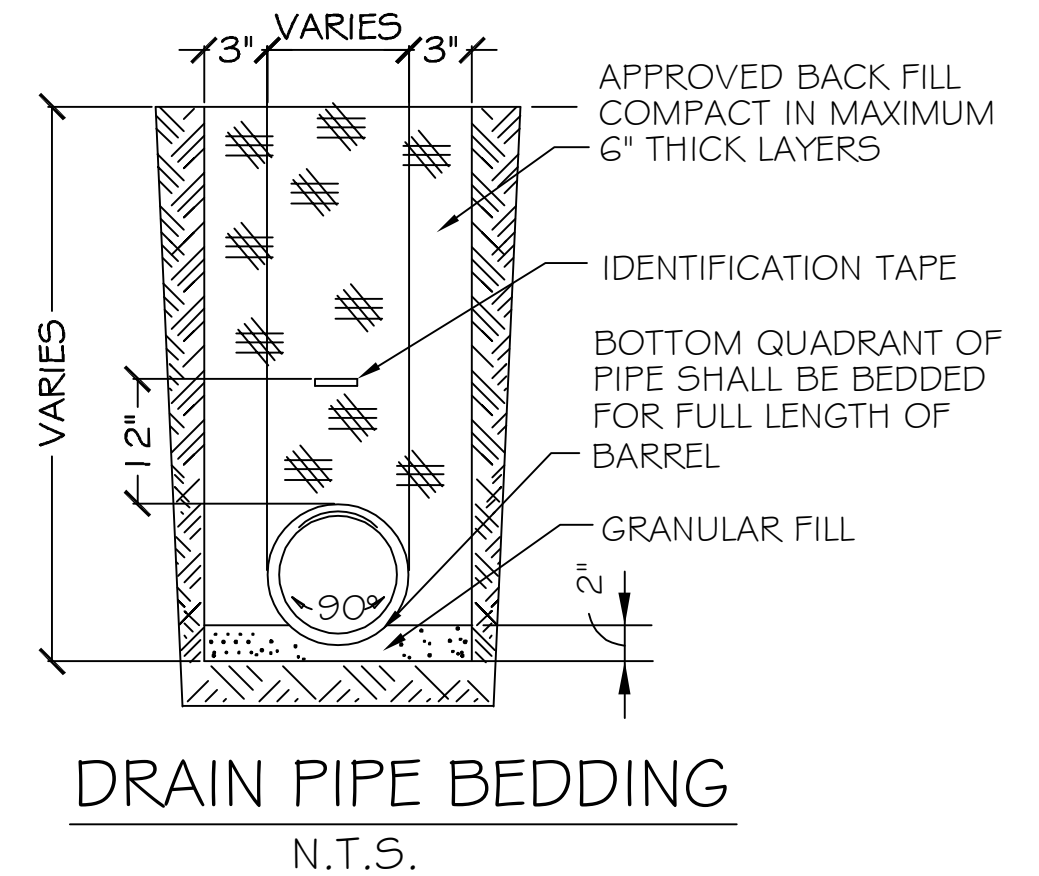
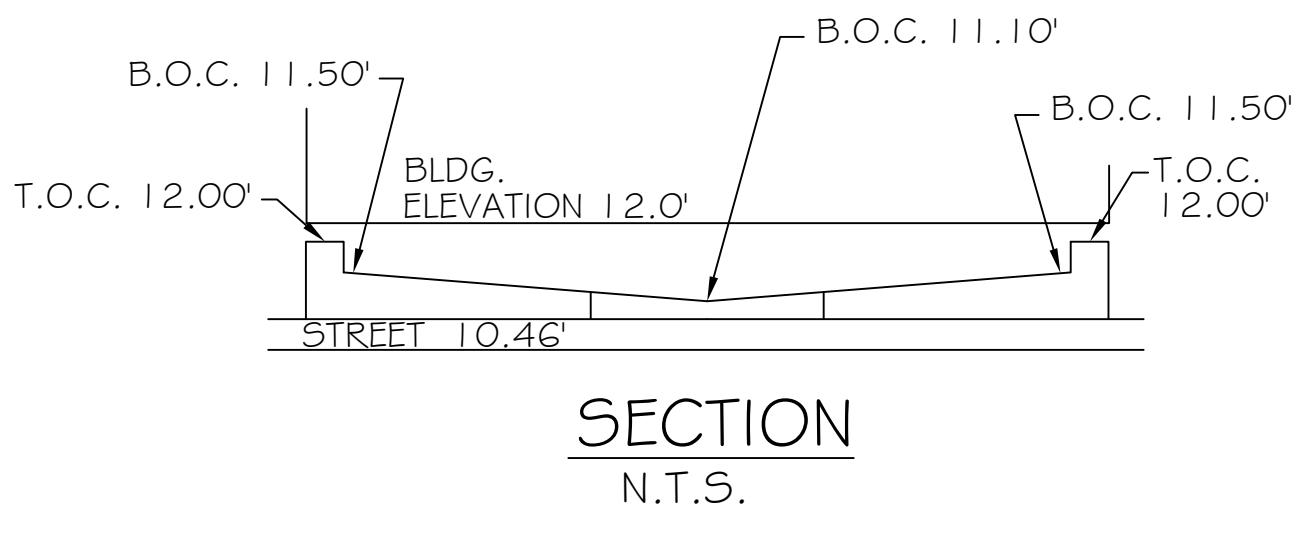
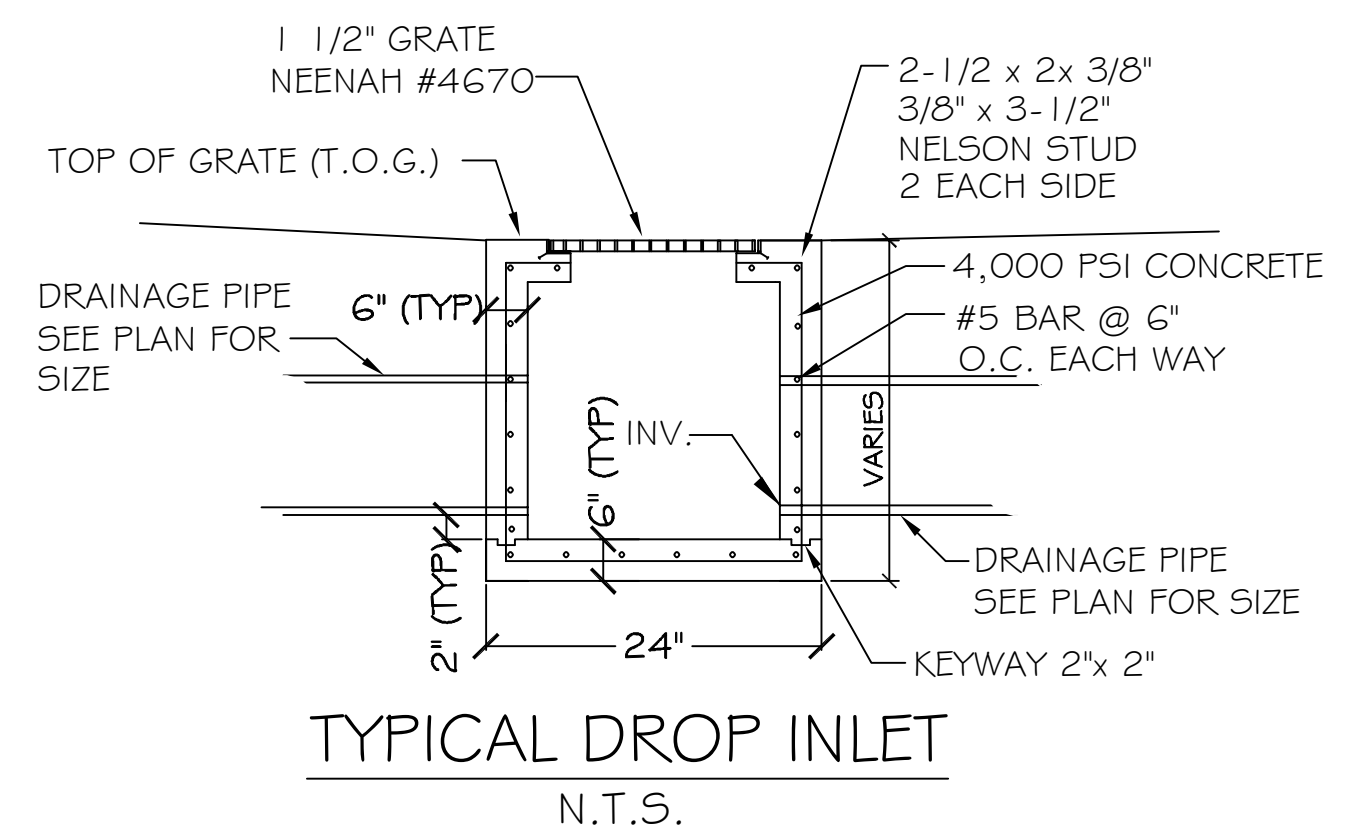
OF 18



SITE DRAINAGE PLAN
SCALE: 1" = 10'

LEGEND:

- - - - - PROPERTY LINE
- - - - - UTILITY / EASEMENT LINE
- - - - - BUILDING SETBACK MINIMUM
- - - - - LANDSCAPING SETBACK MINIMUM AND BUFFER ZONE LIMITS AT REAR
- - - - - NEW BUILDING
- - - - - NEW DRAIN LINE
- - NEW DROP INLET w/TEMP. SILT FENCING
- - - - - SLOPE LINES
- # - T.O. GRATE ELEVATION
- ⊕ - INVERT ELEVATION
- - NEW ELEVATIONS
- x00.00' - EXISTING ELEVATIONS
- - - - - TEMPORARY SILT FENCING
- +9.93x - EXISTING SURVEY TOPO POINTS



- NOTES:**
- 1) DRAIN PIPE & FITTINGS WITHIN PROPERTY LINE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-900 PVC.
 - 2) ELEVATIONS SHOWN ARE M.S.L.
 - 3) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.
 - 4) MUCK OUT 24" DEEP FOR FOUNDATION PAD MINIMUM OR TO UNDISTURBED SOIL CAPABLE OF 1500 PSF BEARING.
 - 5) DOWNSPOUTS SHALL FLOW INTO SUB-SURFACE DRAINAGE.
 - 6) THERE IS NO EVIDENCE OF EXISTING OFF-SITE FLOW CROSSING THE PROPERTY. NEW DRAINAGE CALCULATIONS ARE DETERMINED ACCORDINGLY.

PROJECT: CAR WASH
DRAINAGE RUN OFF CALCULATIONS -- MODIFIED RATIONAL METHOD

Q₁ = CIA

PRIOR DEVELOPMENT		10 Year Frequency	
Watertight Surfaces	c(1) = 0.9	0	sqft = 0.000 Acres
Gravel Surface	c(2) = 0.25	0	sqft = 0.000 Acres
Green Space	c(3) = 0.35	21,262.00	sqft = 0.488 Acres
Summary	c = 0.35	21262	sqft = 0.488 Acres

Duration (D) = Time of concentration (TC)
 $TC = .7039(L^{.3917})(c^{-.1.1309})(S^{-.1985})$
 where L = 141 Runoff length ft Elev diff = 0.5
 c = 0.35 Runoff coef
 S = 0.3546 Percent Slope
 therefore TC = D = 19.69 minutes
 and from Rainfall Intensity Table I = 3.50 in/hr

Q₁ = 0.598 cfs RUNOFF LIMIT 85% 0.508 cfs

Q₂ = CIA

POST DEVELOPMENT		10 Year Frequency	
Watertight Surfaces	c(1) = 0.9	8784	sqft = 0.202 Acres
Gravel Surface	c(2) = 0.25	0	sqft = 0.000 Acres
Green Space	c(3) = 0.35	12478	sqft = 0.286
Summary	c = 0.58	21262	sqft = 0.488 Acres

D = Time of concentration (TC)
 $TC = .7039(L^{.3917})(c^{-.1.1309})(S^{-.1985})$
 where L = 113 Runoff length ft Elev diff = 0.75
 c = 0.58 Runoff coef
 S = 0.6637 Percent Slope
 therefore TC = D = 9.06 minutes or
 and from Rainfall Intensity Table I = 3.50 in/hr

Q₂ = 0.986 cfs

RESULTS

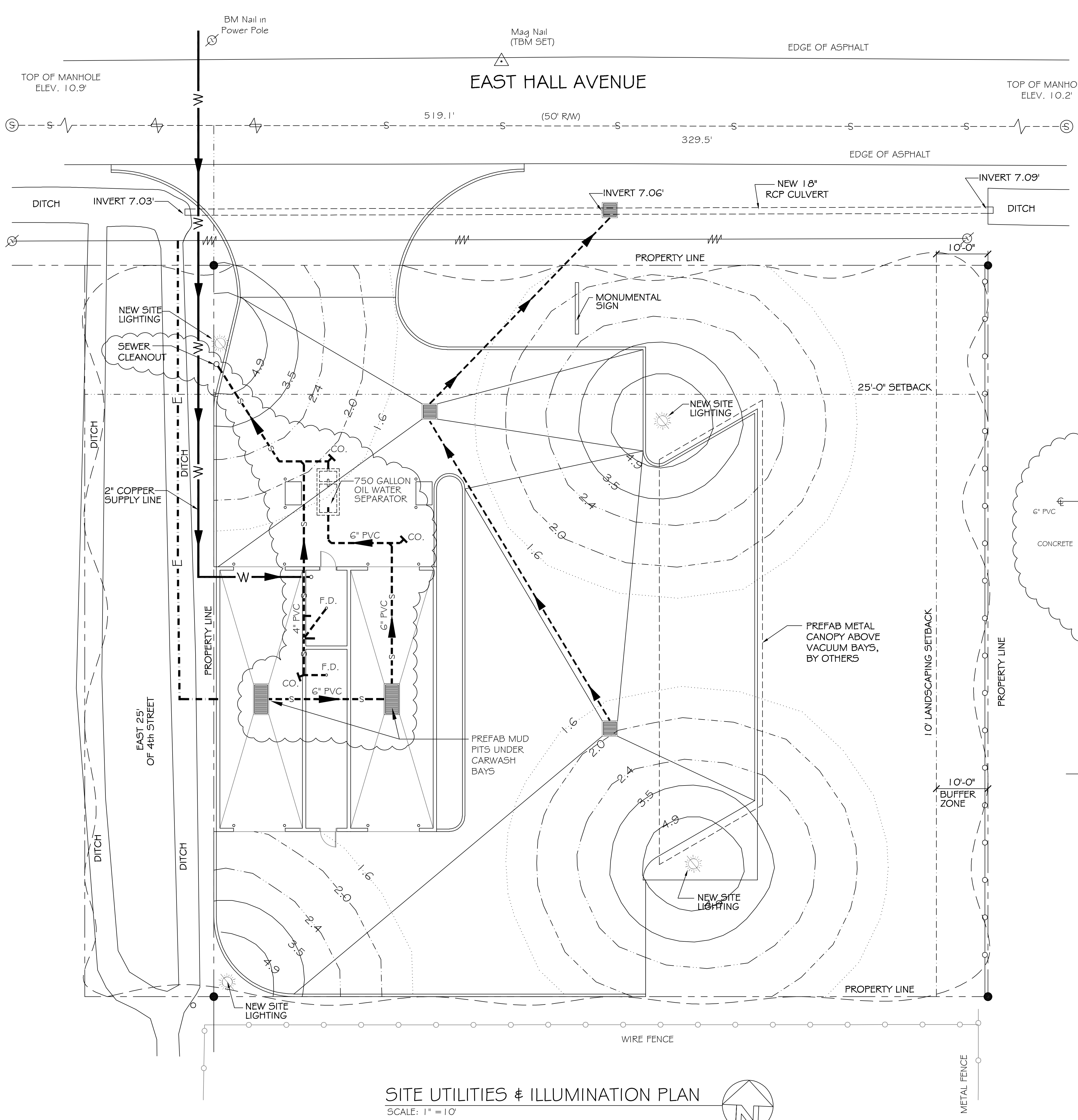
DETENTION REQUIRED Q₂-Q₁ 0.478 cfs
 TWO HOUR DETENTION 3440.7 cuft
 DETENTION DIMENSIONS WIDTH 105 feet
 LENGTH 113 feet
 DEPTH 0.29 feet

DISCHARGE END AREA CALCULATIONS

where Q is allowable run off

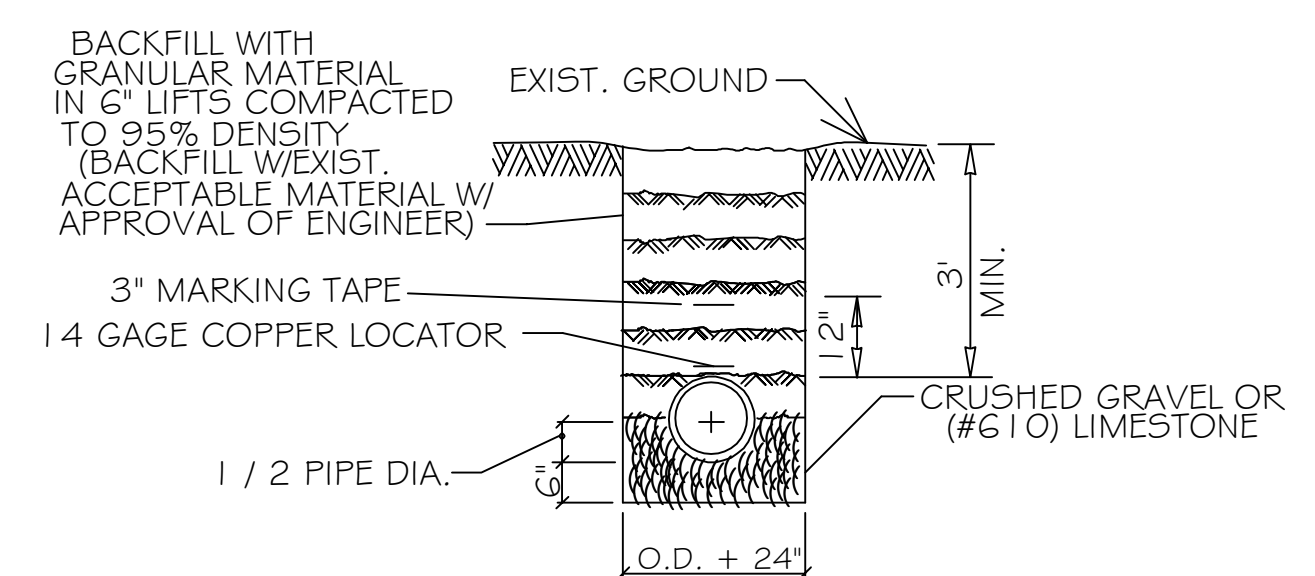
Allowable run off	Q = 0.508 cfs
Friction loss factor	c = 0.98 coefficient
Acceleration	g = 32.2 ft/sec
Height above invert	if H = 2.00 feet
End area	A = 0.05 sqft

REQUIRED CONDUIT = 4.22 inch diameter
 USE 6 inch orifice



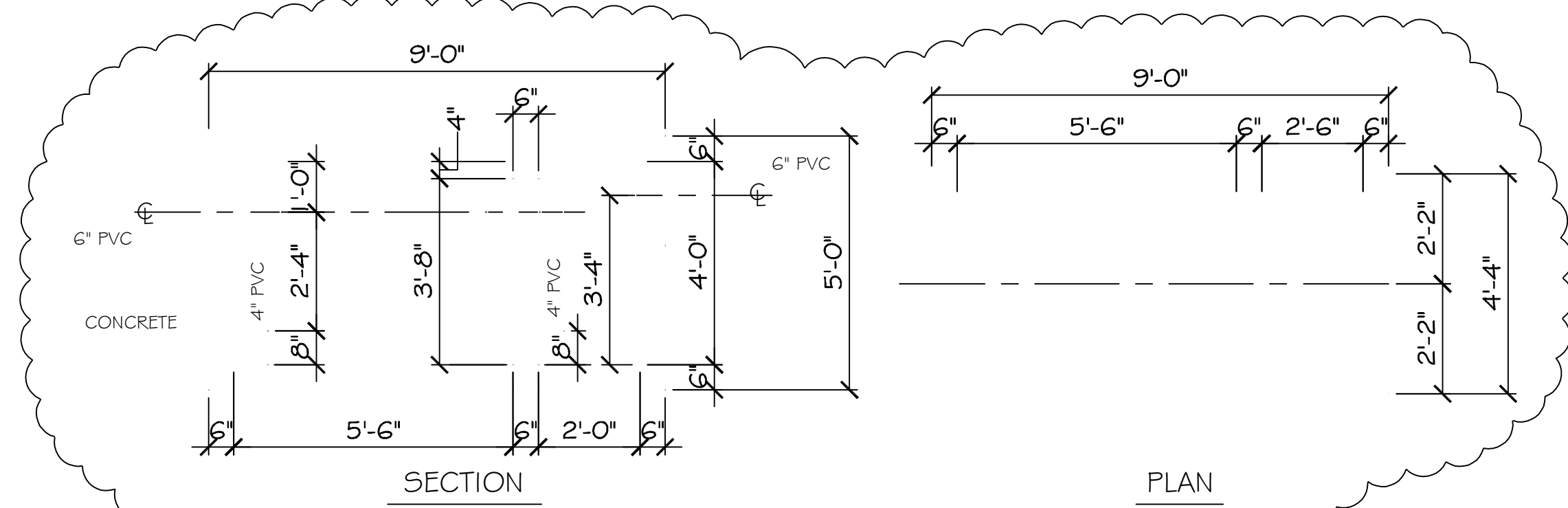
LEGEND

- - - - - PROPERTY LINE
- - - - - BUILDING SETBACK
- - - - - LANDSCAPING SETBACK MINIMUM AND BUFFER ZONE LIMITS AT REAR
- NEW BUILDING OUTLINE
- W — NEW WATER LINE
- S — NEW SEWER LINE
- - - - - E - - - - - NEW POWER LINE
- - - - - NEW SILT FENCING DETAIL
- - - - - NEW DRAIN LINE



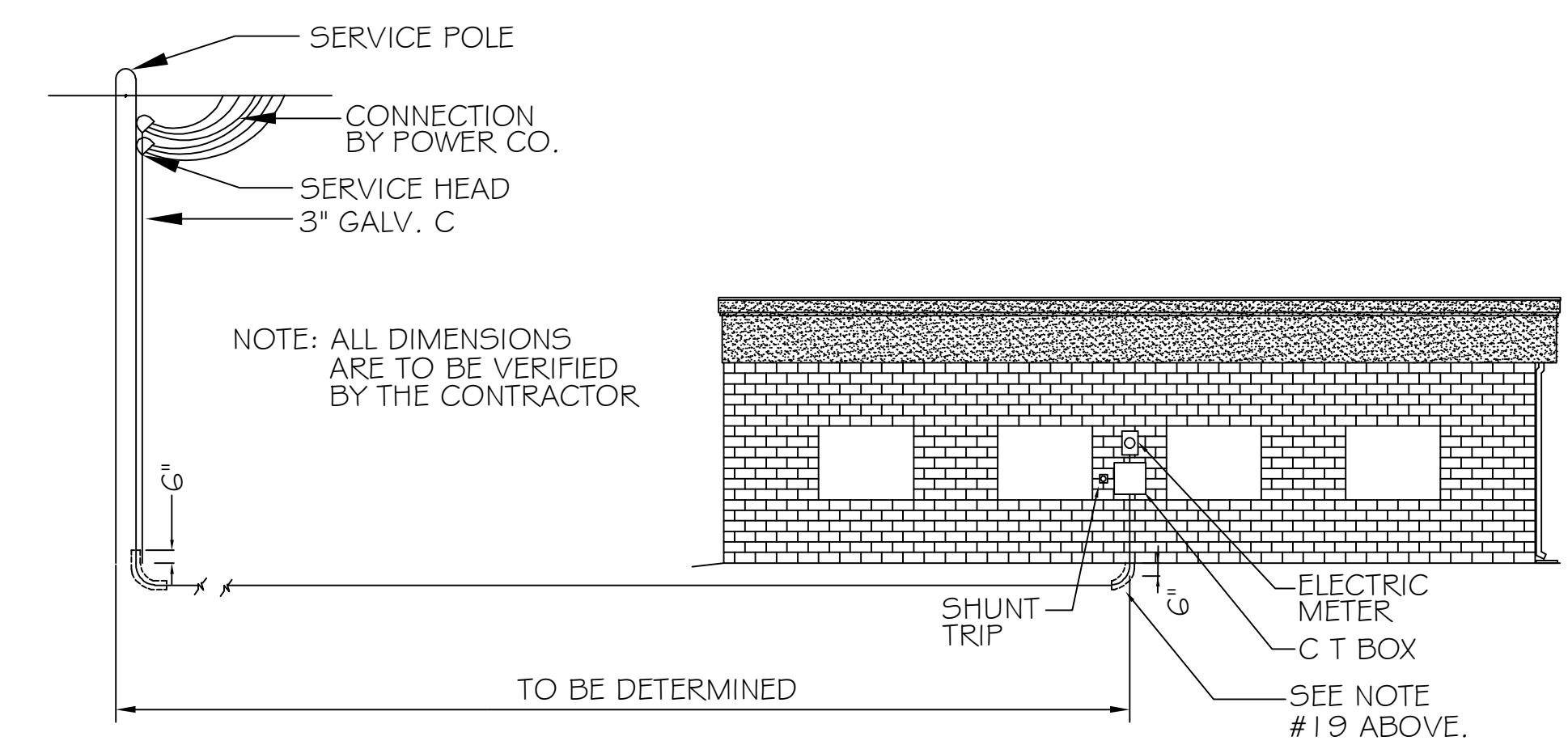
A MIN. 10 FT. HORIZONTAL AND 18\"/>

PIPE BEDDING DETAIL FOR SEWER & WATER LINE
N.T.S.



OILWATER SEPARATOR
N.T.S.

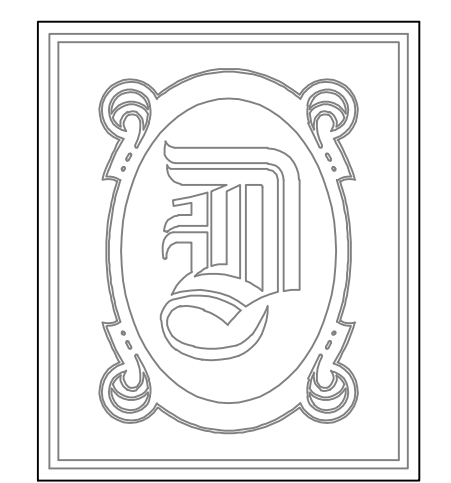
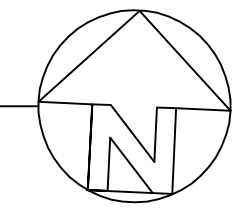
NOTE:
THE OILWATER SEPARATOR MUST HAVE A MINIMUM WATER DEPTH OF THREE (3) FEET AND A MINIMUM WATER VOLUME OF 750 GALS. IN ADDITION, THE TOP OF THE SEPARATORS BAFFLE WALL(S) MUST BE AT LEAST TWO INCHES BELOW THE TRAPS WATER LEVEL. WATER MUST BE ABLE TO FREELY FLOW OVER THE ENTIRE WIDTH OF THE BAFFLE WALL.



ELECTRICAL SERVICE DETAIL
N.T.S. 208V 3 PHASE

SITE LIGHTING
EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.

SITE UTILITIES & ILLUMINATION PLAN
SCALE: 1" = 10'



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- EXPERT WITNESS

CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

SITE UTILITIES & ILLUMINATION PLAN

REV: 09-28-10

SCALE: AS NOTED

JOB#: 2074

DATE: 09-13-10

SHEET 6

C-5

OF 18

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 RAMP 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:

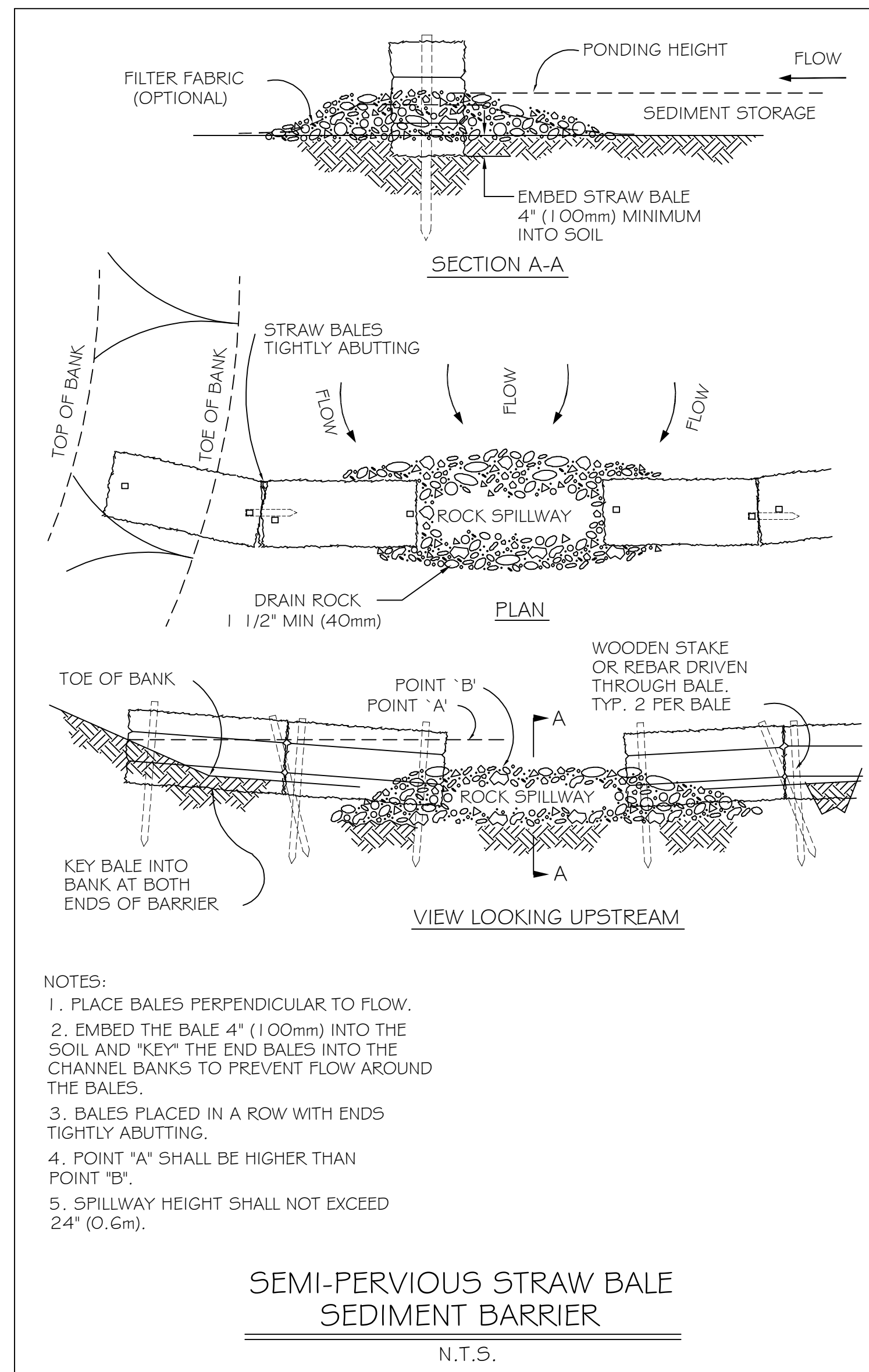
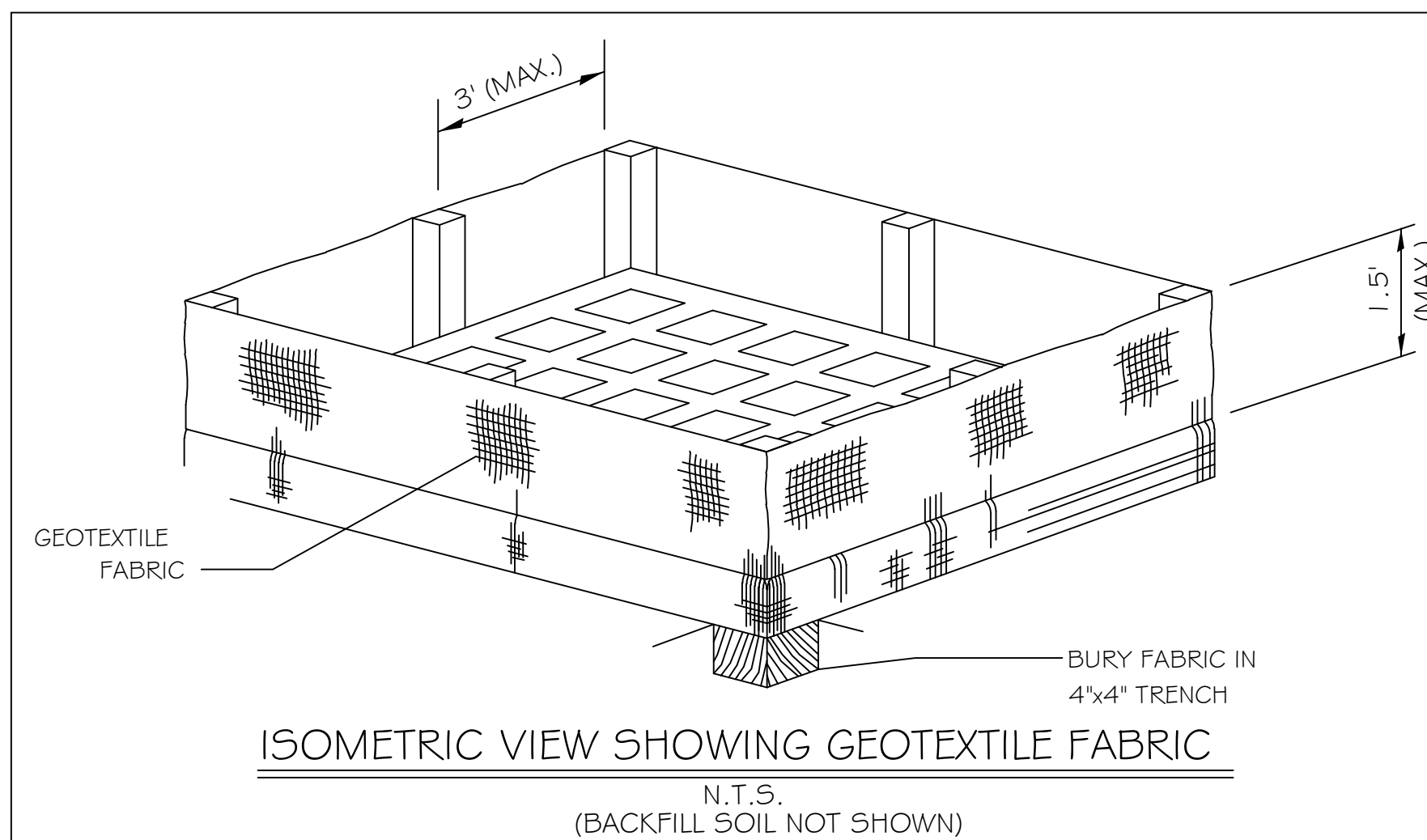
- 1) PARKING STALLS MUST BE STRIPED WITH A 4" WIDE CONTRASTING STRIPE (YELLOW ON CONCRETE, AND YELLOW OR WHITE ON ASPHALT PARKING LOTS).
- 2) HANDICAP PARKING SPACES TO BE DESIGNATED BY BLUE STRIPING AND EITHER A BLUE SYMBOL ON A WHITE BACKGROUND, OR A WHITE SYMBOL ON A BLUE BACKGROUND. HANDICAP PARKING 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:

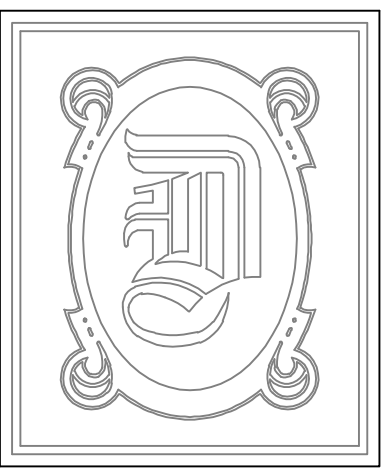
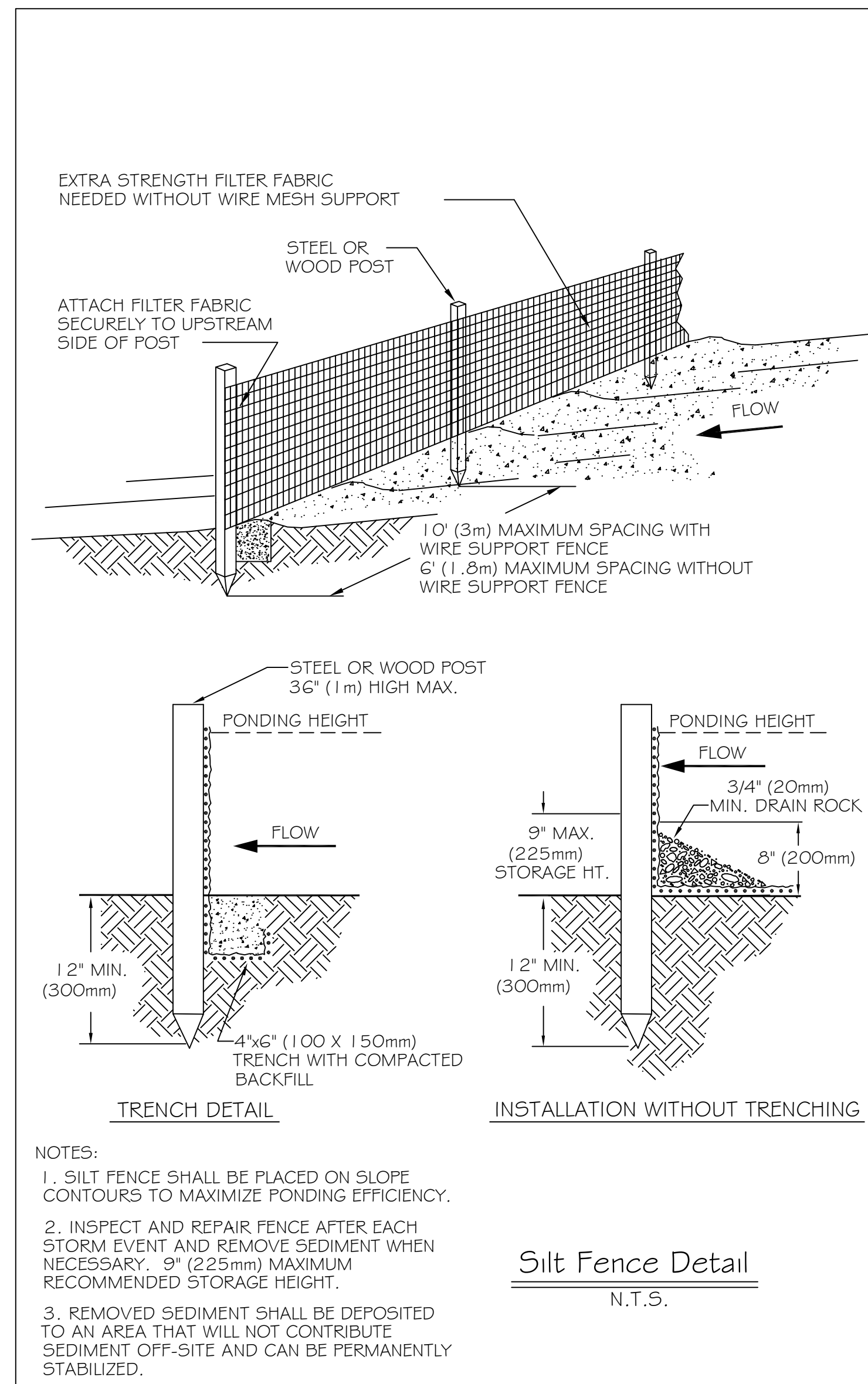
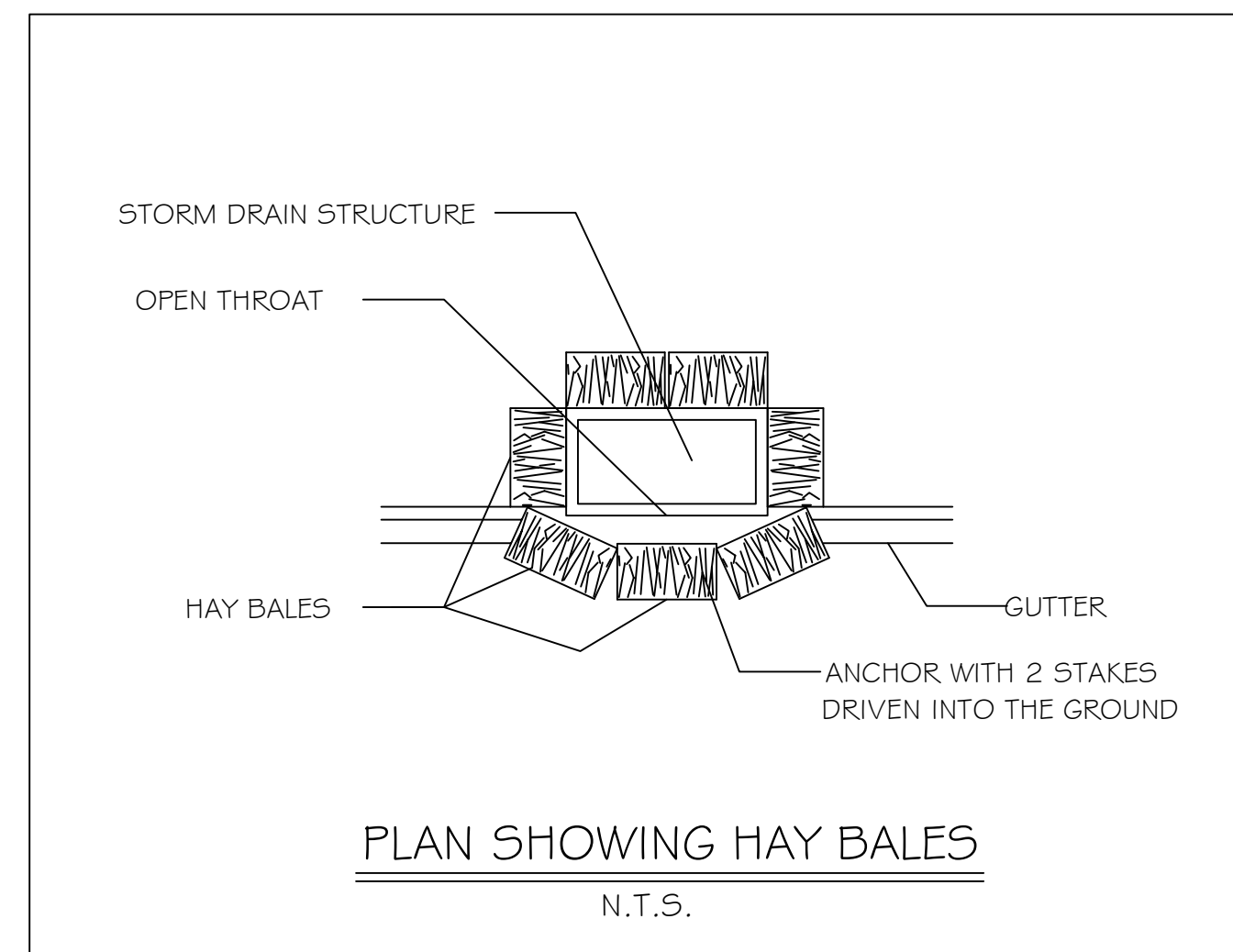
ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR TO THE PARISH OR CITY TRAFFIC ENGINEERING DIVISION, AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR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



- 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 DOTD 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.

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 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.



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CECIL BOYD'S
CARWASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

SILT FENCE
DETAILS

REV:

SCALE: AS NOTED

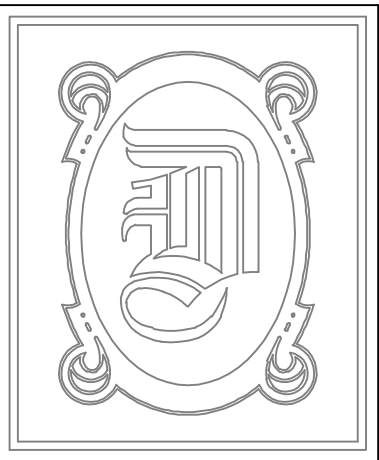
JOB#: 2074

DATE: 09-13-10

SHEET 7

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OF 18



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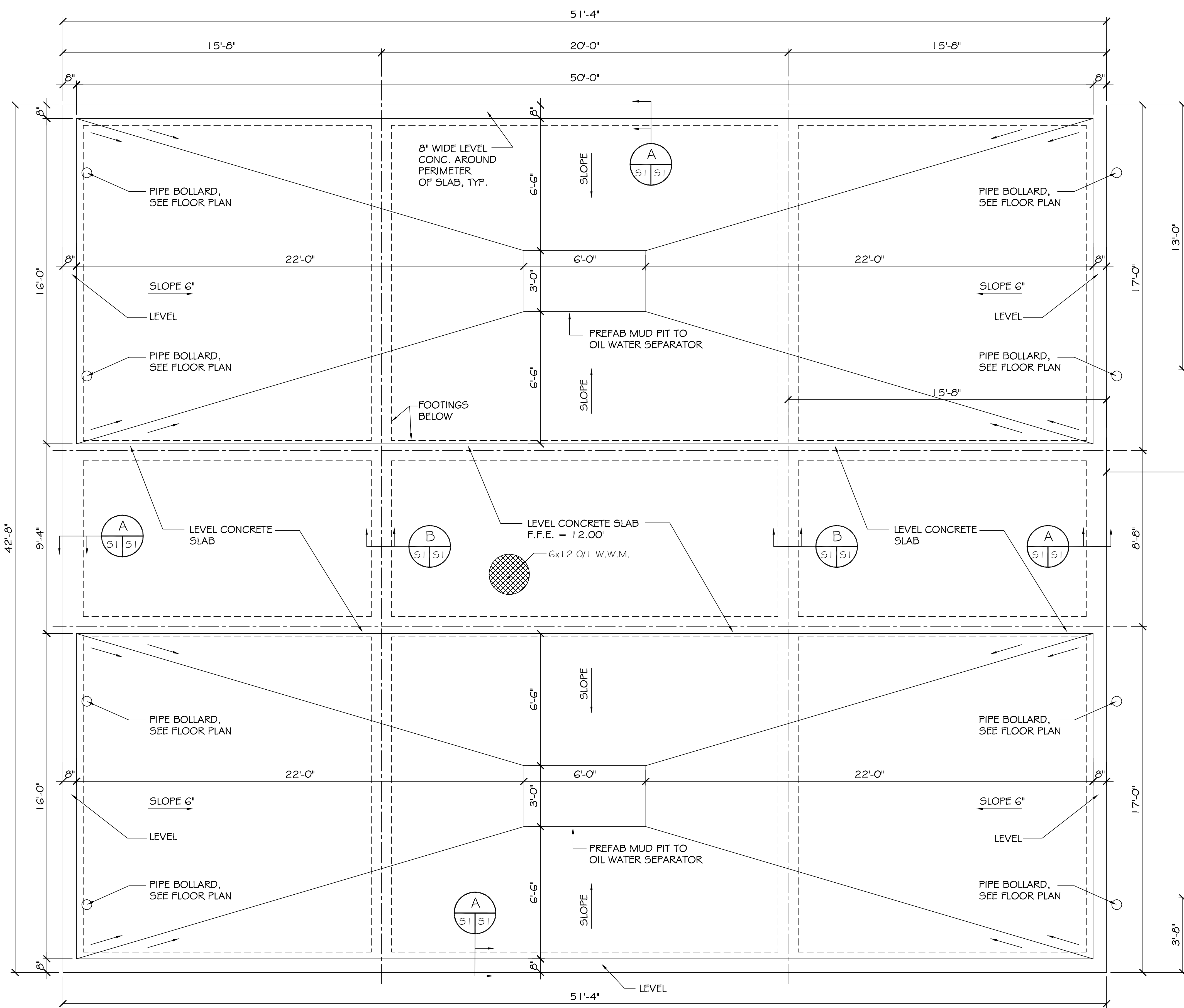
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S-1

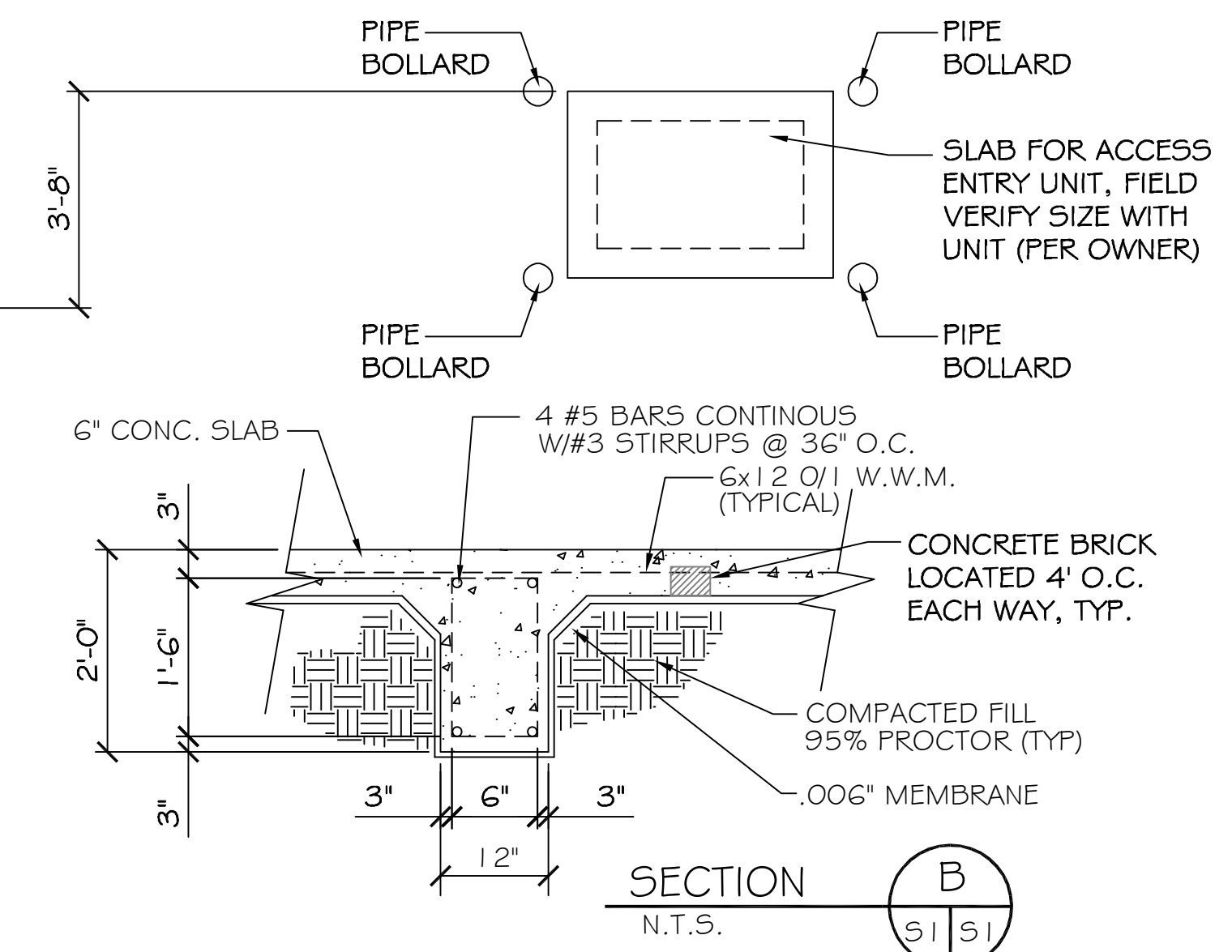
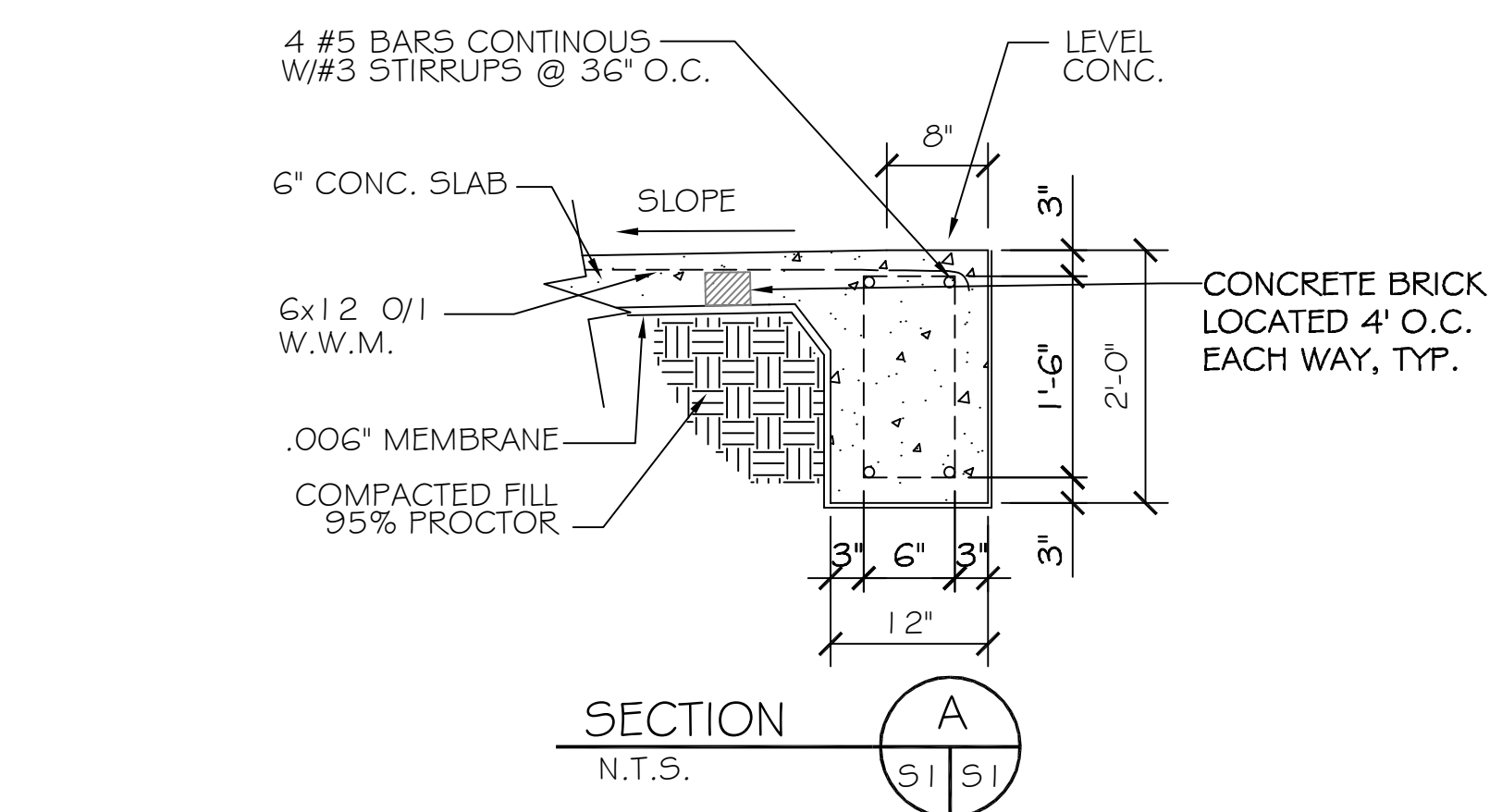
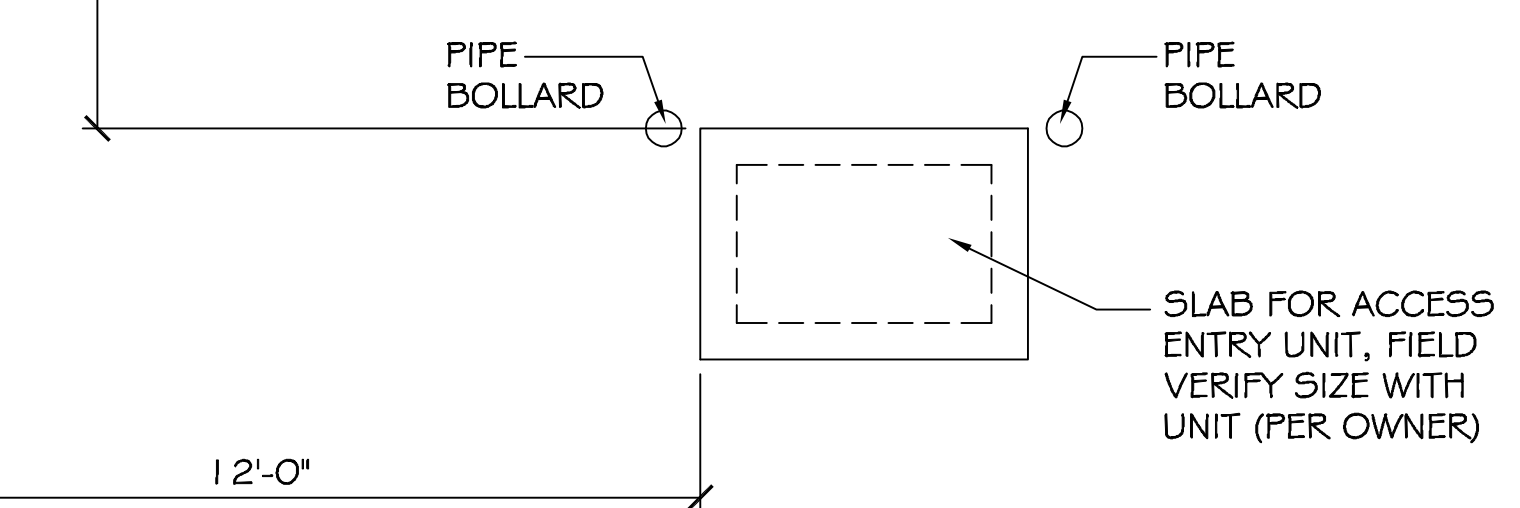
OF 18

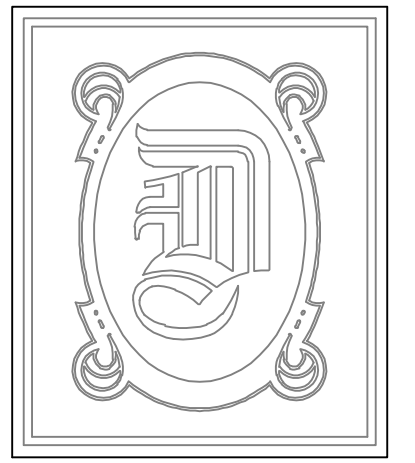
NOTES:

1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 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.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENTS.
5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK 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 GRADING, 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: 3/8" = 1'





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MASONRY
PLAN

REV:

SCALE: AS NOTED

JOB#: 2074

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SHEET 9

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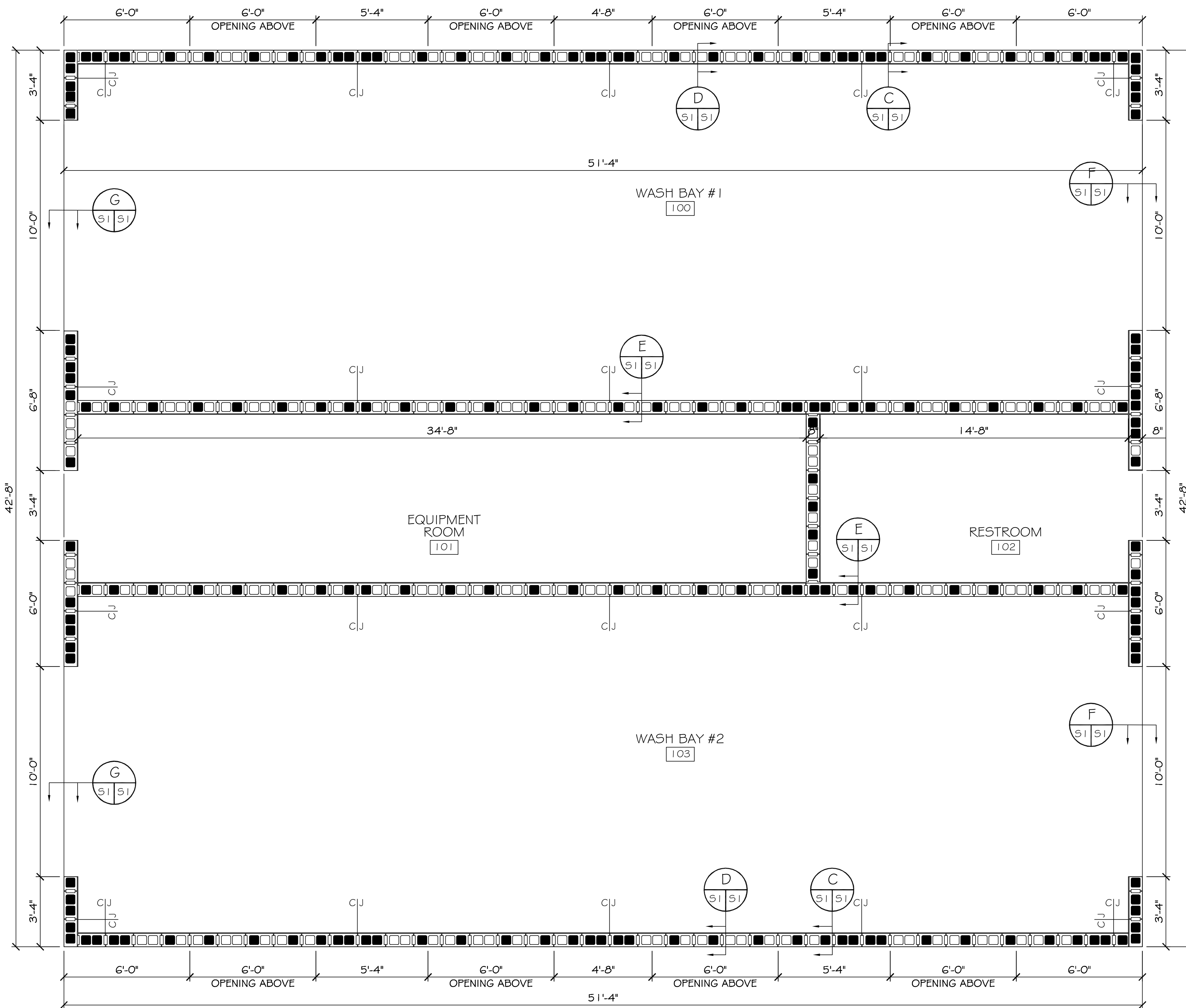
OF 18

CMU LINTEL SCHEDULE			
WIDTH (W)	CLEAR SPAN	DEPTH (D)	HORZ. REINF.
8" TYP AT ALL CMU WALLS	UP TO 3'-4"	8"	(1) #6 BOTTOM
	UP TO 8'-8"	16"	(1) #6 T&B
	UP TO 10'-0"	16"	(2) #6 T&B

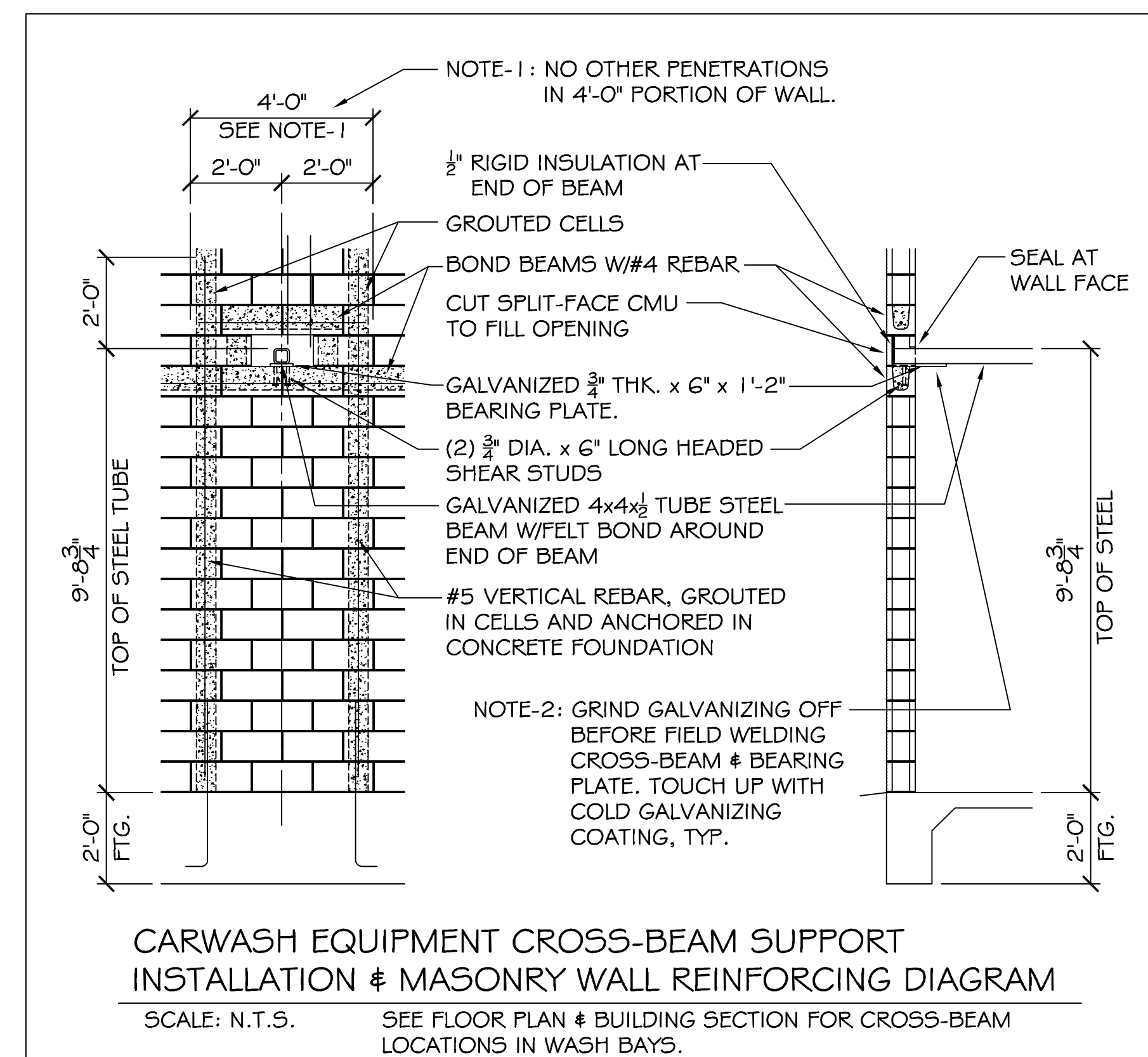
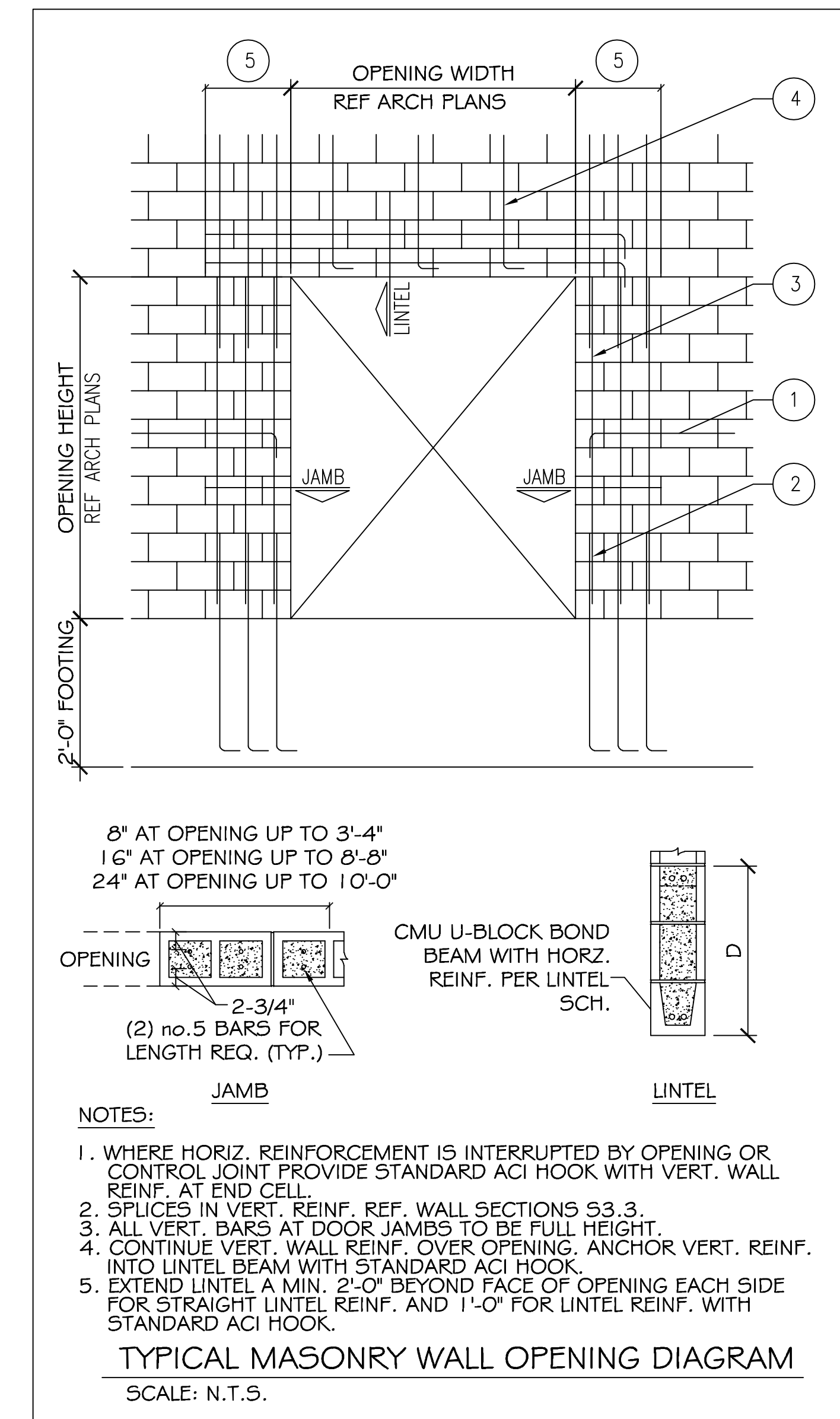
PROVIDE 3000 PSI PEA-GRAVEL CONCRETE FILL FOR ALL LINTELS.

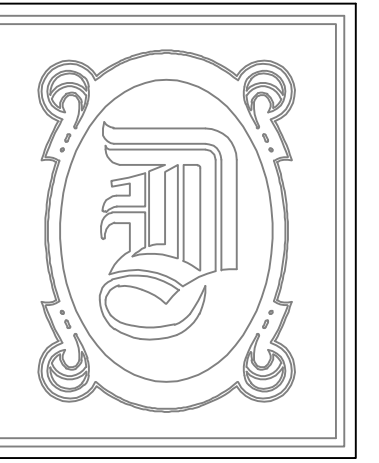
LEGEND

- INDICATES CONTINUOUS NO. 5 VERTICAL REINF. W/ 3000 PSI CONCRETE FILL.
- CJ INDICATES MASONRY CONTROL JOINT. SEE DETAIL THIS SHEET



MASONRY PLAN
SCALE: 3/8"=1'





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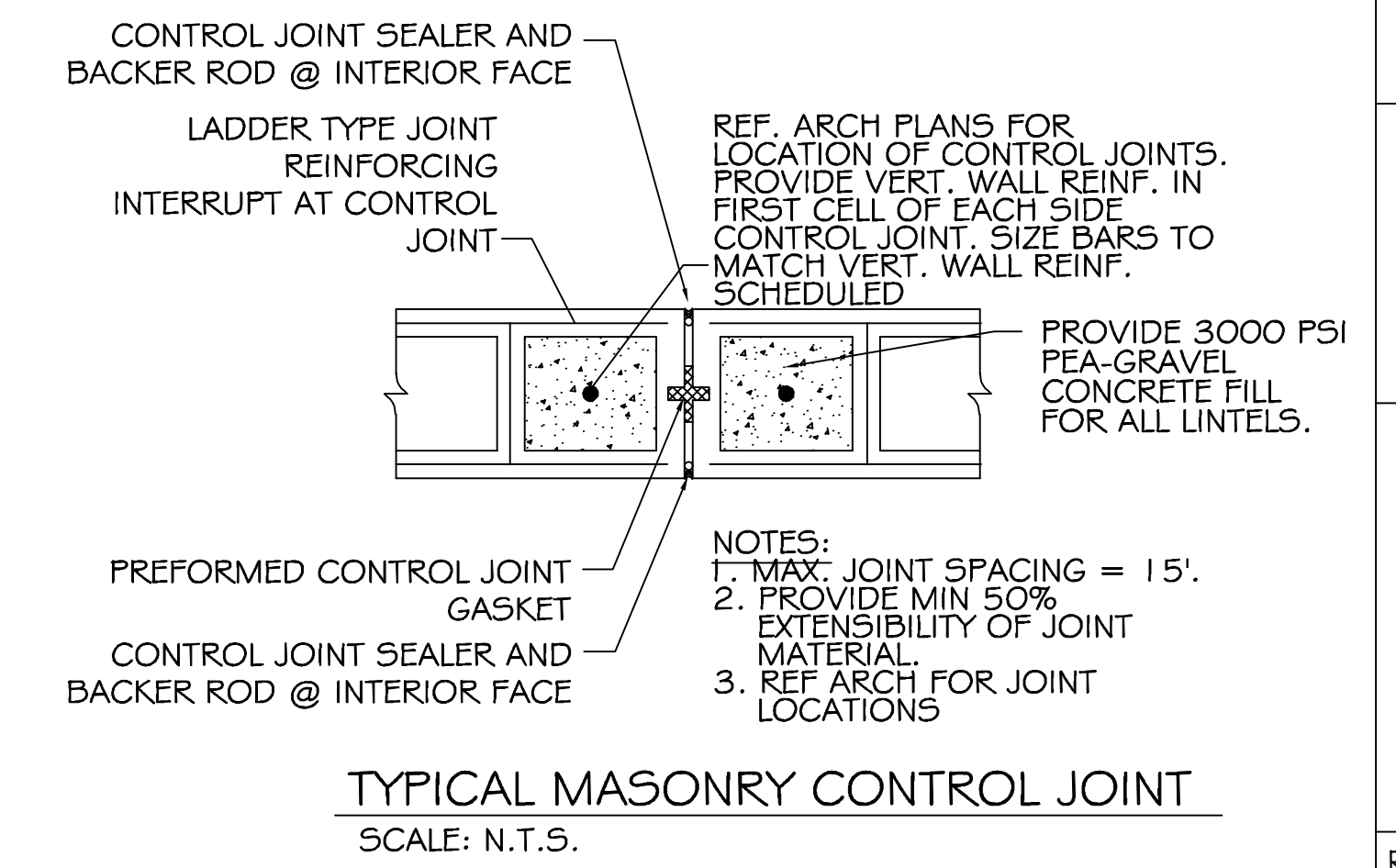
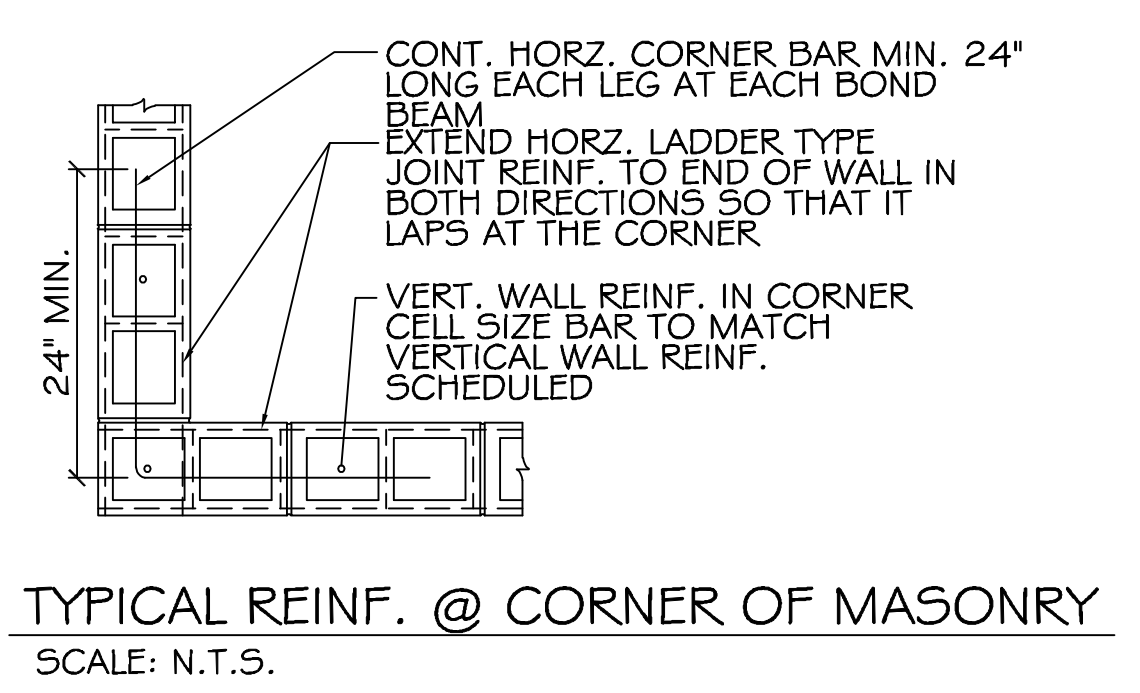
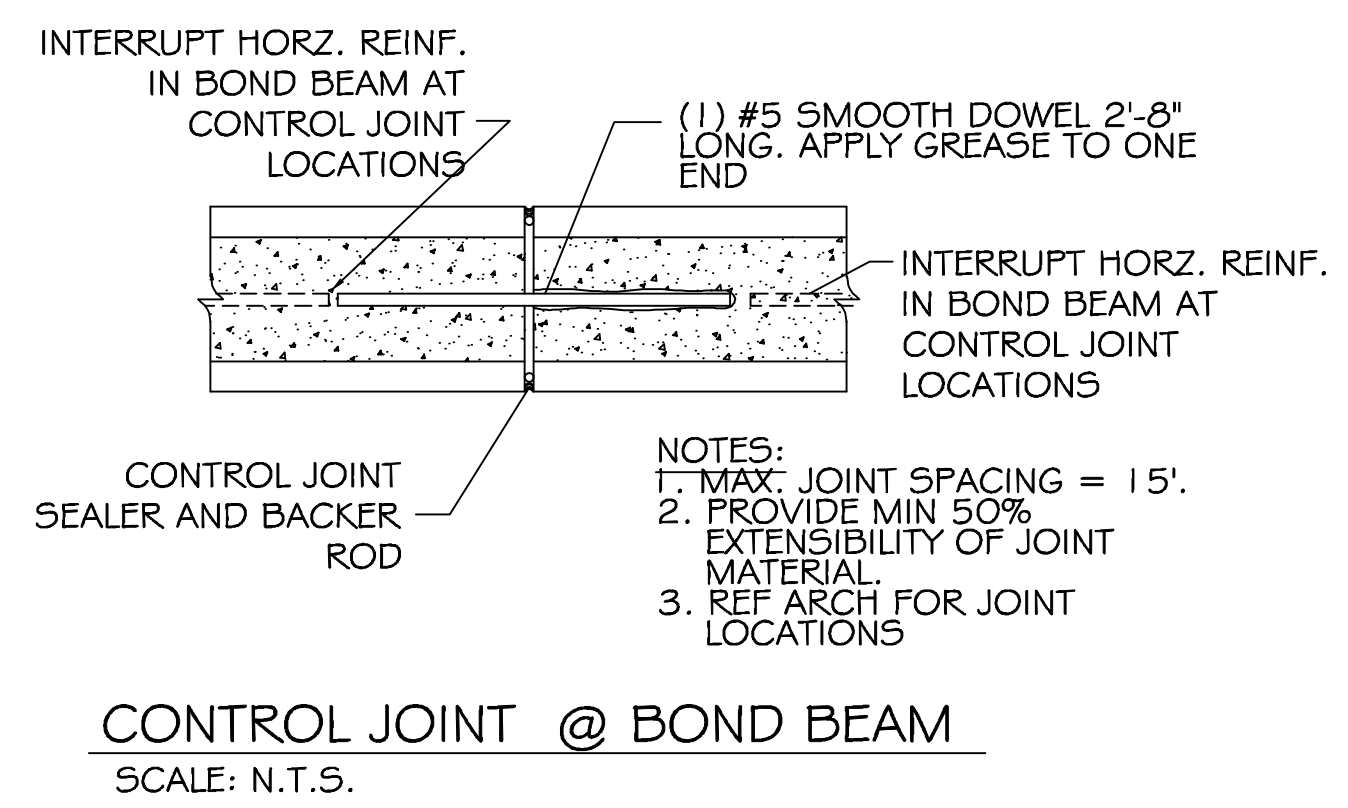
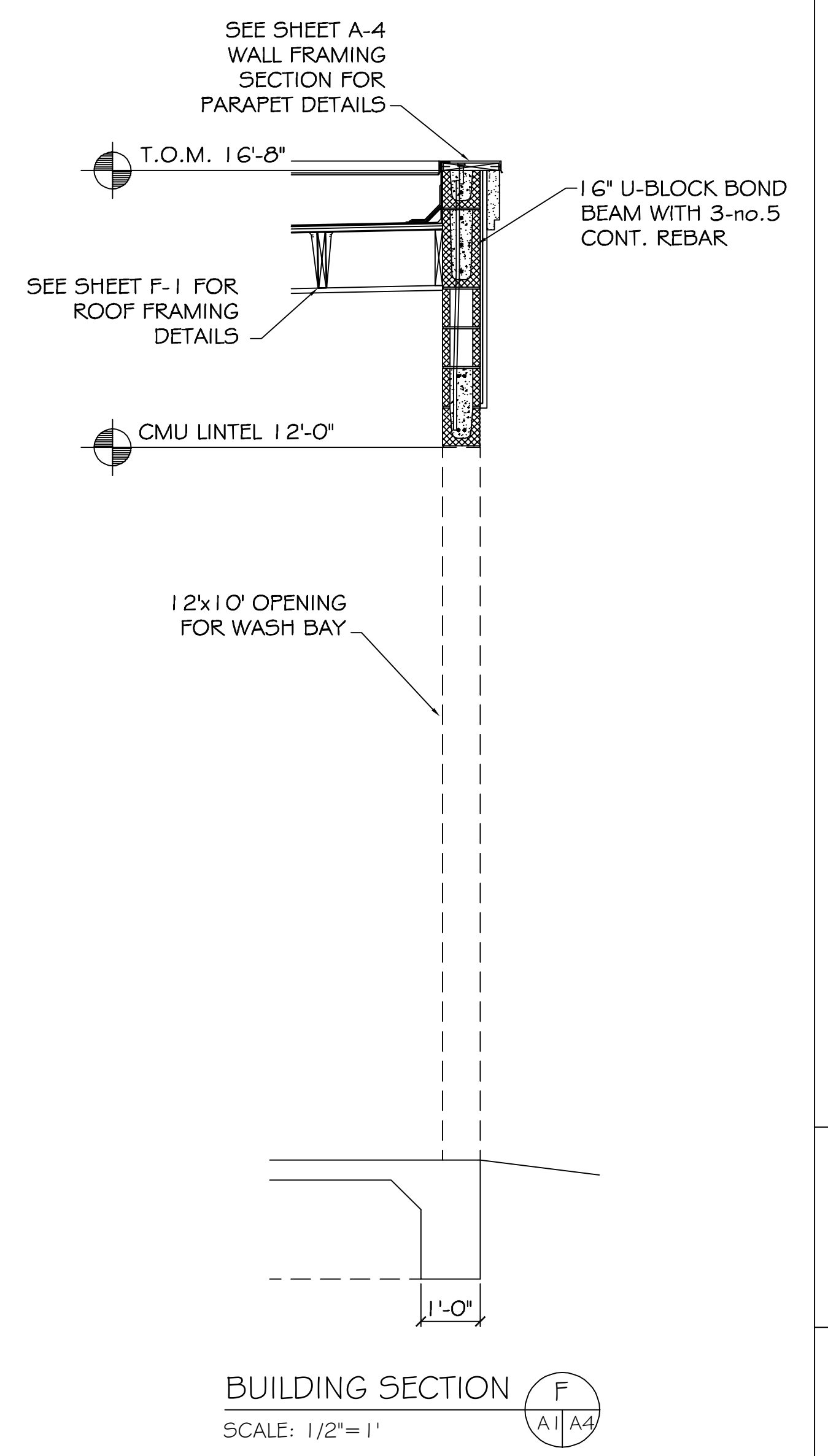
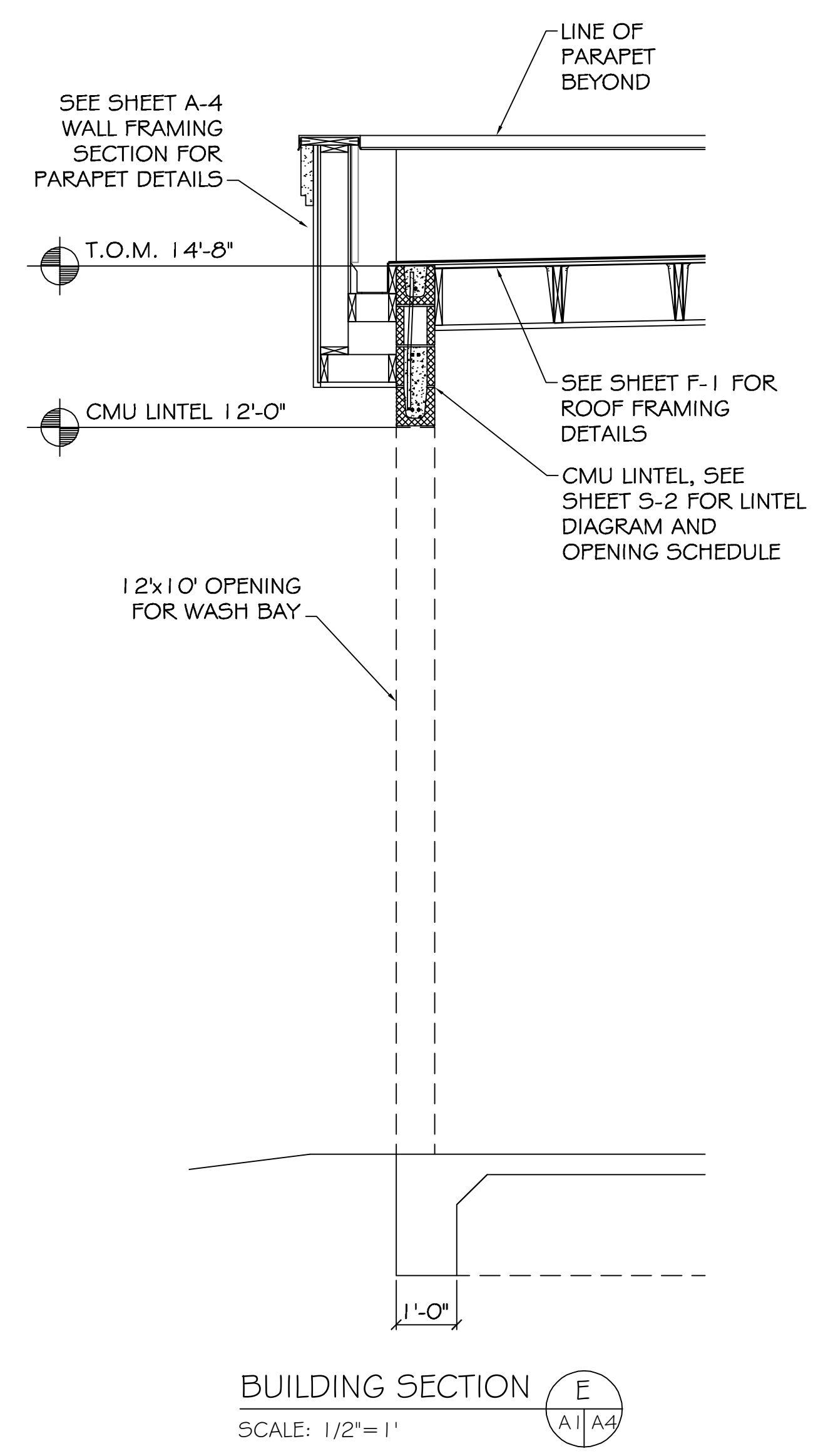
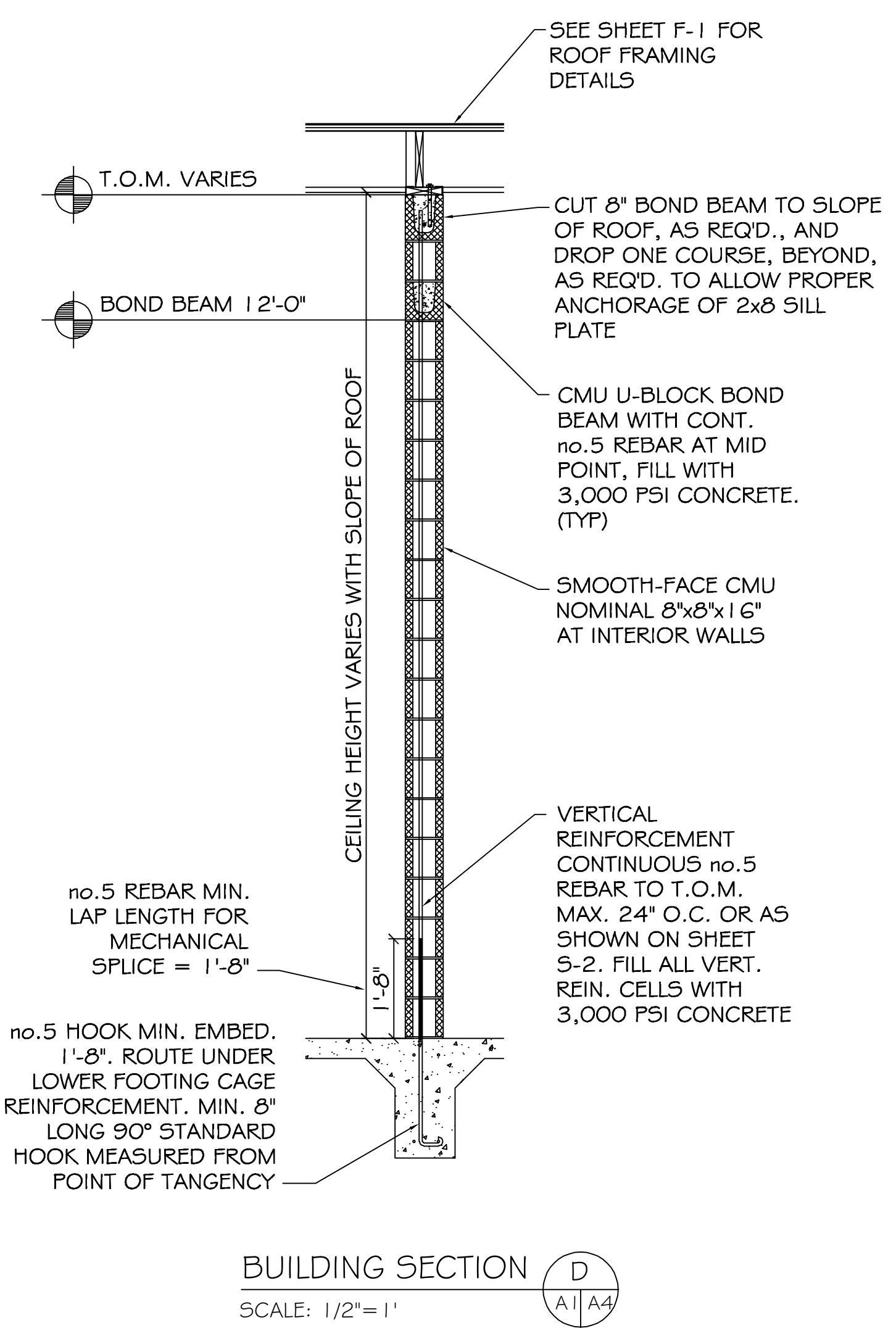
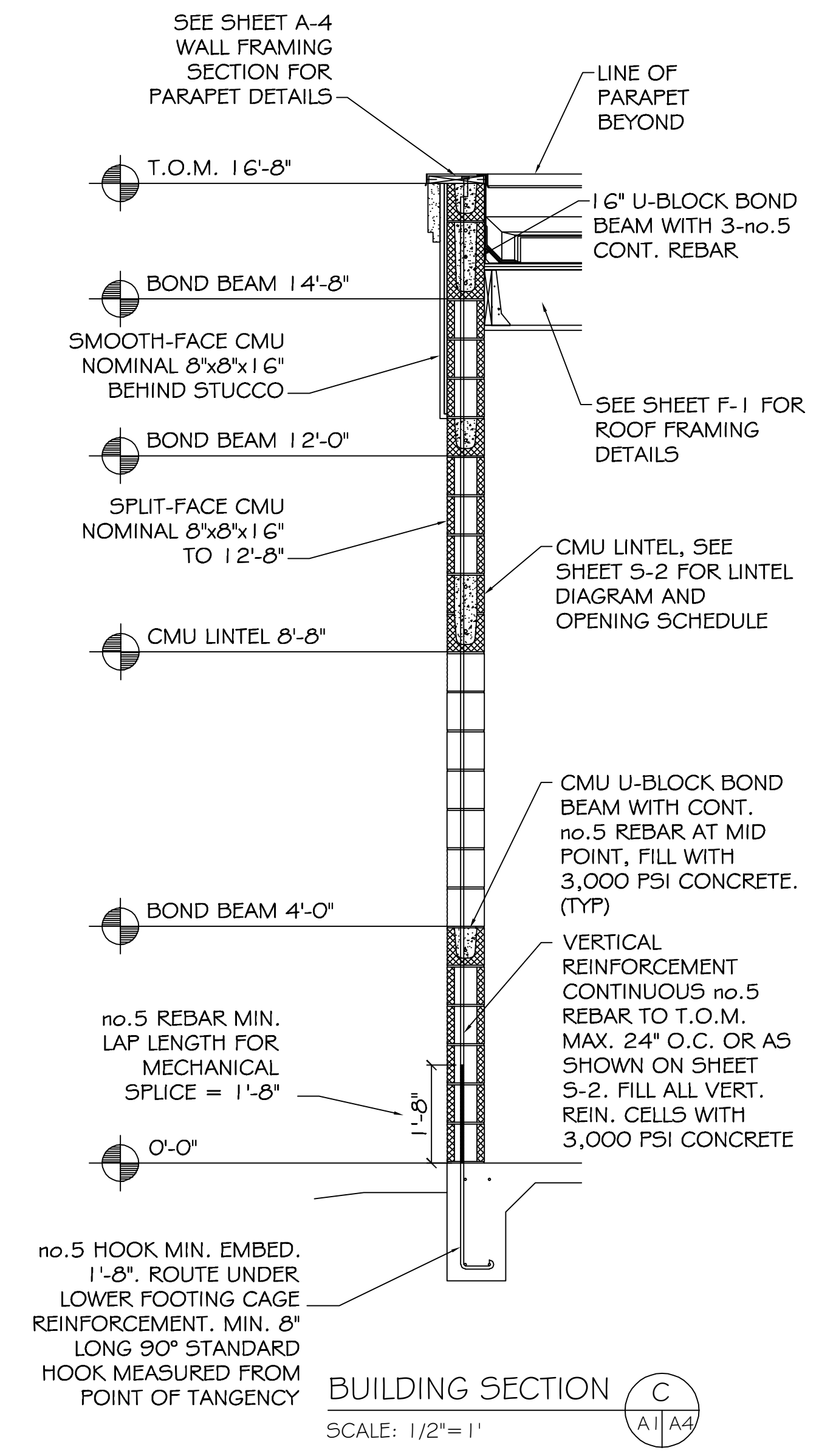
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CAR WASH
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MASONRY DETAILS



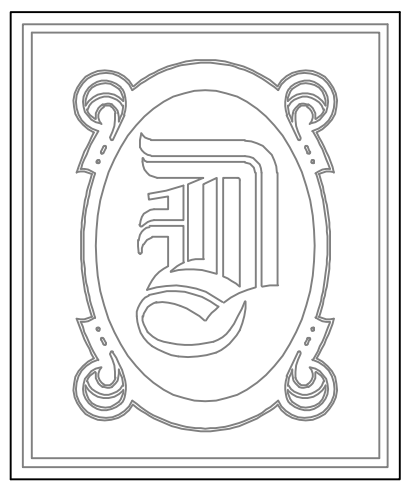
REV:

SCALE: AS NOTED

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SHEET 10



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FLOOR
PLAN

REV:

SCALE: AS NOTED

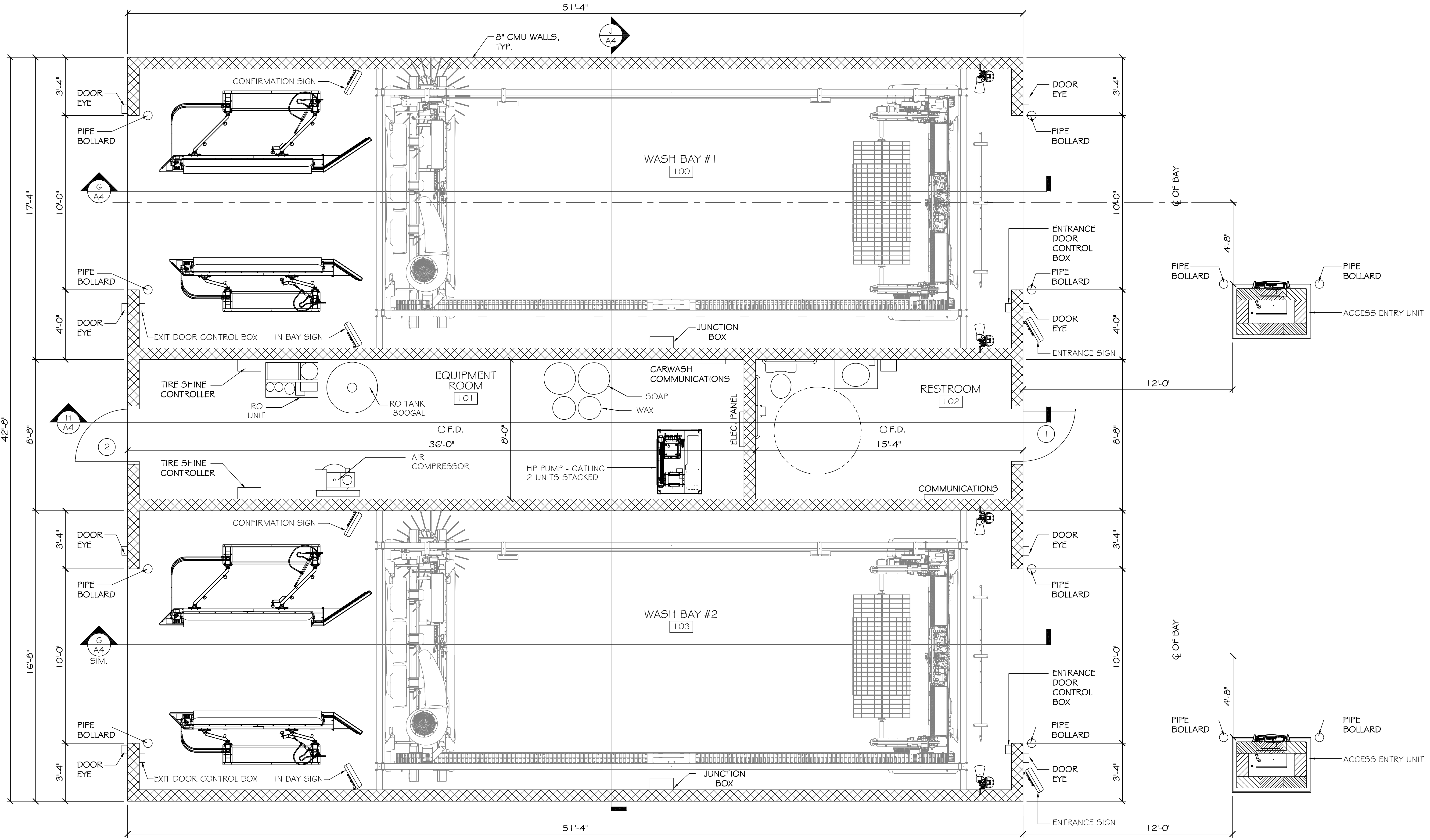
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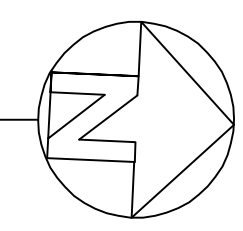
SHEET 11

A-1

OF 18



FLOOR PLAN
SCALE: 3/8"=1'



GENERAL NOTES

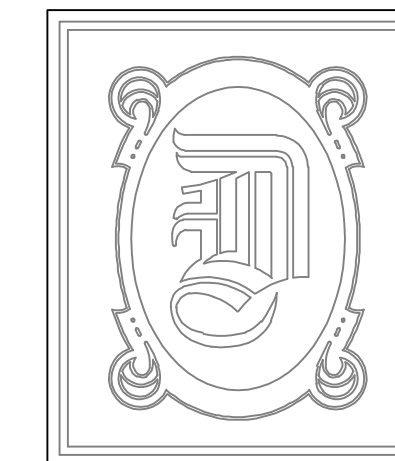
1. INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION 719.
 - A. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450. EXCEPT
 - THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
 - B. FACING SHALL COMPLY WITH IBC 2006.
2. PROVIDE 5x5' LANDINGS, LEVEL WITH FINISHED FLOOR, OUTSIDE EXTERIOR DOORS. THRESHOLDS SHALL BE NOT MORE THAN 1/2" IN HEIGHT AND SHALL BE BEVELED IF MORE THAN 1/4".
3. DIMENSIONS ARE TO CENTERLINE, FACE OF STUDS, CENTER OF COLUMNS, OR FACE OF VENEER.
4. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, BUILDING LOCATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION.
5. MATERIALS SHALL BE NEW AND U.L. LISTED.
6. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
7. CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
8. CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR.
9. CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
10. EXTERIOR CAULKING SHALL BE DOW CORNING 790 SILICONE, INSTALL IN ACCORDANCE WITH MANUFACTURER RECCOMENDATION WITH ARCH/OWNER TO SELECT COLOR. INTERIOR CAULKING TO BE EQUAL TO DAP PAINTABLE LATEX WITH SILICONE.
 11. PAINT GRADE TO SHALL BE SHERWIN WILLIAMS OR EQUIVALENT. ALL WORK TO RECEIVE 3 COATS. COLOR SELECTION BY OWNER.
 12. PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH STORED IN BUILDING.
 13. ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH APPLICABLE CODE.
 14. USE 6" STUDS, OR 4" STAGGERED STUDS AT ALL PLUMBING WALLS.
 15. PROVIDE GALVANIZED METAL PAN WITH DRAIN AT WATER HEATER LOCATION.
 16. ALL CORNERS SHALL BE PROPERLY BRACED FOR WIND LOADS. A 48" SHEATHING SHALL BE PROVIDED EVERY 20 FEET OF WALL LENGTH.
 17. FLOORING SHALL BE NON-SLIP.
 18. INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
 19. INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
 20. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
 21. PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101. SEE APPENDIX "E" OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
 22. ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF SHEATHING, AND BE SEALED WITH AN APPROVED FIRE CAULK.
 23. ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS 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.)
 24. SERVICE COUNTER SHALL HAVE A HCP ACCESSIBLE WRITING SURFACE, MAX. 36" FROM F.F. (ADAAG MANUAL 1998, PG 135)

DOOR & HARDWARE SCHEDULE (X)										
	TYPE	FRAME	HINGE	LOCK	ACCESSORIES	REMARKS				
	HOLLOW METAL CASED OPENING									
	HOLLOW METAL CASED OPENING									
		BUTT: 1-1/2" PR.		KEYED ENTRY DEADBOLT						
1	3/0 x 7/0									
2	3/0 x 7/0									

- DOOR & HARDWARE NOTES:
1. DOOR HINGES TO BE STANLEY FULL MORTISE STANDARD WEIGHT, BALL BEARING HINGES, STAINLESS STEEL WITH SATIN FINISH.
 2. PROVIDE ADA APPROVED LOCKSETS WITH SATIN STAINLESS STEEL FINISH, TO BE SELECTED BY OWNER.
 3. COORDINATE KEYING SCHEDULE WITH OWNER.
 4. DOOR STOPS TO BE EQUAL TO IVES No. 436 OR 437, AS REQUIRED IN MATCHING SATIN STAINLESS STEEL FINISH.
 5. WEATHER-STRIP & THRESHOLD FINISH TO COMPLEMENT OTHER HARDWARE.

FINISH SCHEDULE										
NAME	FLOOR	BASE	WALLS	CEILING	REMARKS					
WASH BAYS	CONCRETE		RUBBER WALL BASE							
EQUIPMENT ROOM	VCT		NONE							
RESTROOM				PAINTED CMU 4" HT. WAJNSCOT						
				UNIFORM PANELS M. R. GYP. BOARD						
				CEILING HGT VARIES						
OWNER TO SELECT STYLE, COLOR, AND BRAND										

WALL SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B			
SHEATHING LOCATION	STUD SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
130 MPH WINDS-EXPOSURE "B" (TYP.)			



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CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
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ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

SCHEDULES
& NOTES

REV:

SCALE: AS NOTED

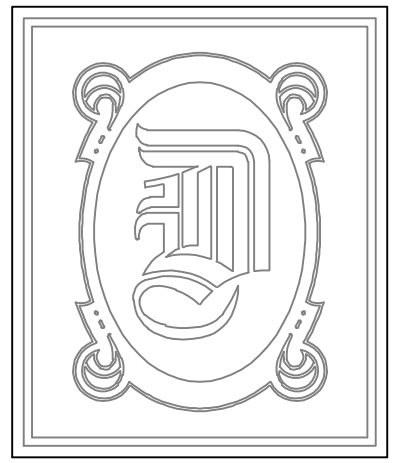
JOB#: 2074

DATE: 09-13-10

SHEET 12

A-2

OF 18



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ARCHITECTURE

ENGINEERING

STUDIES

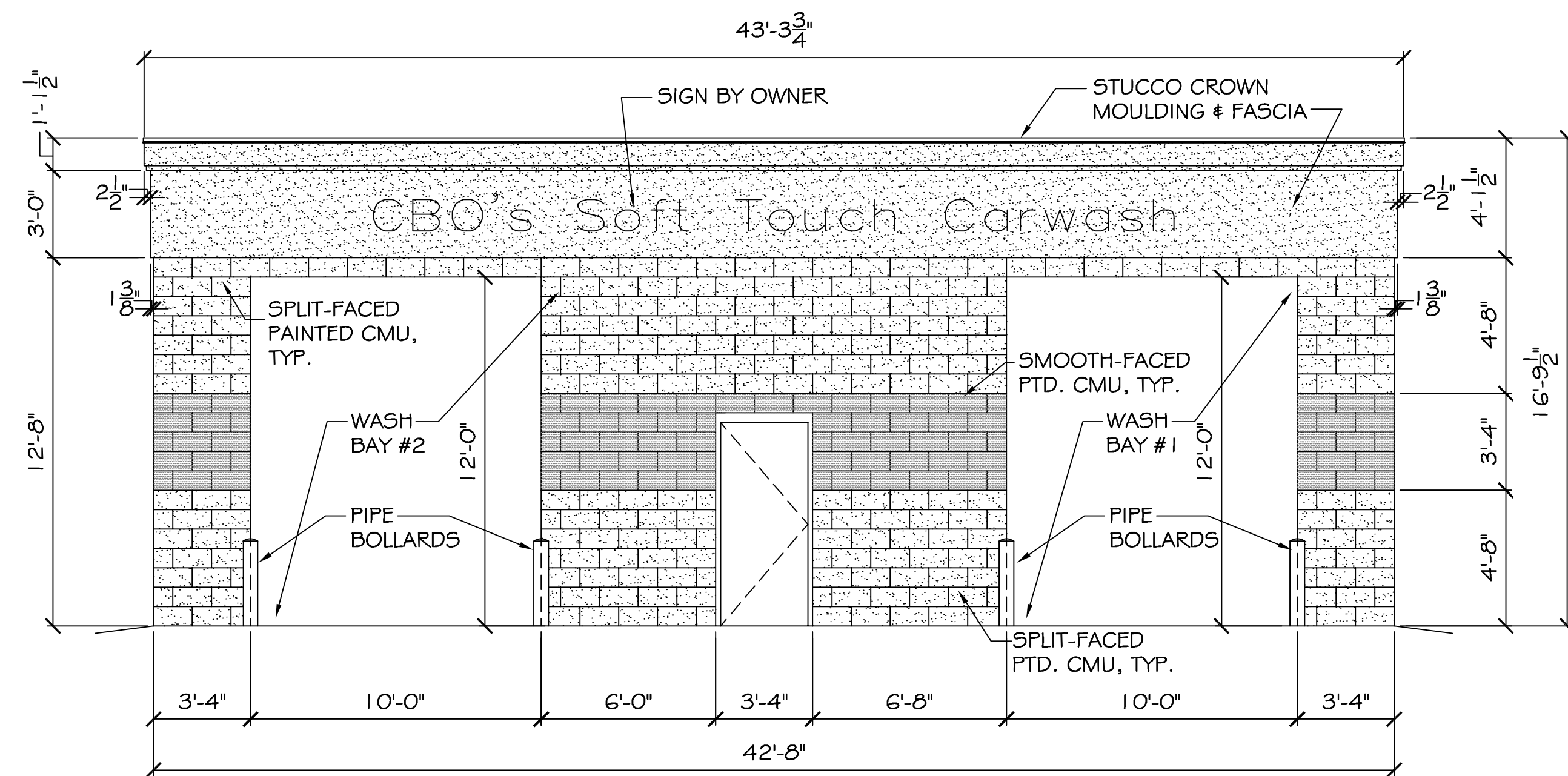
PLANNING

INVESTIGATION

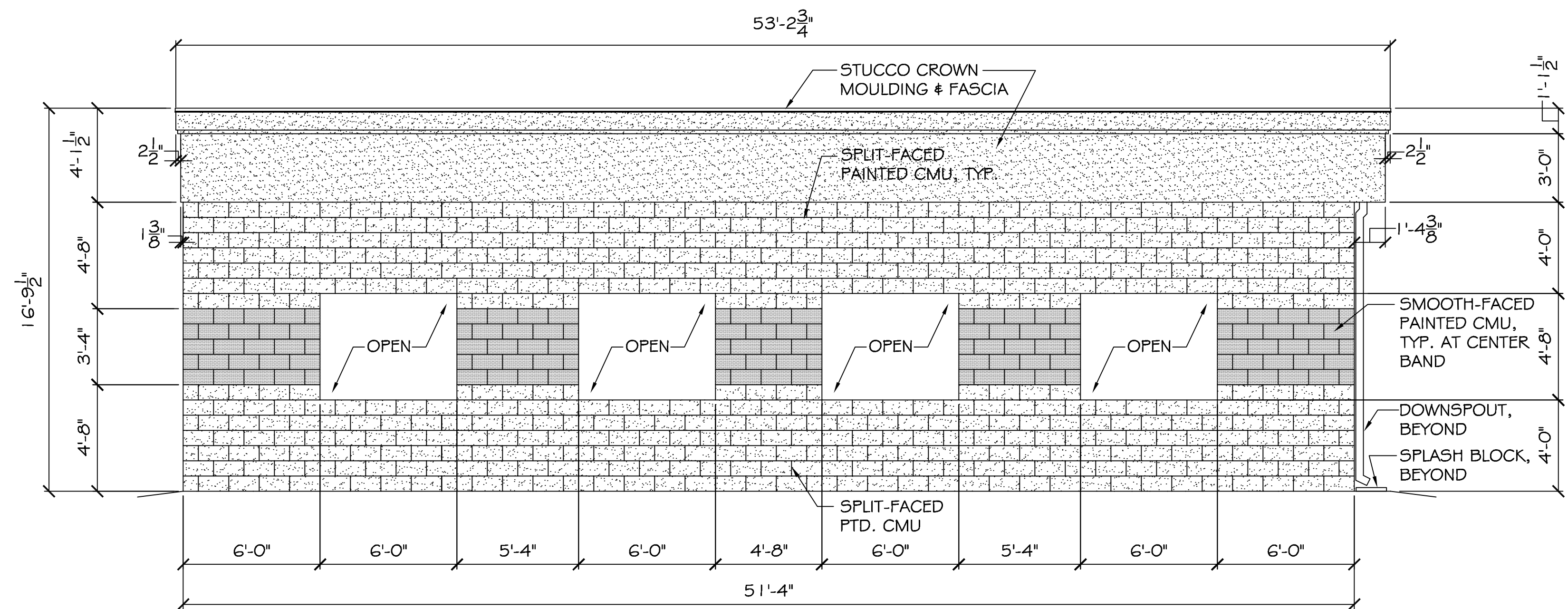
EXPERT WITNESS

CECIL BOYD'S
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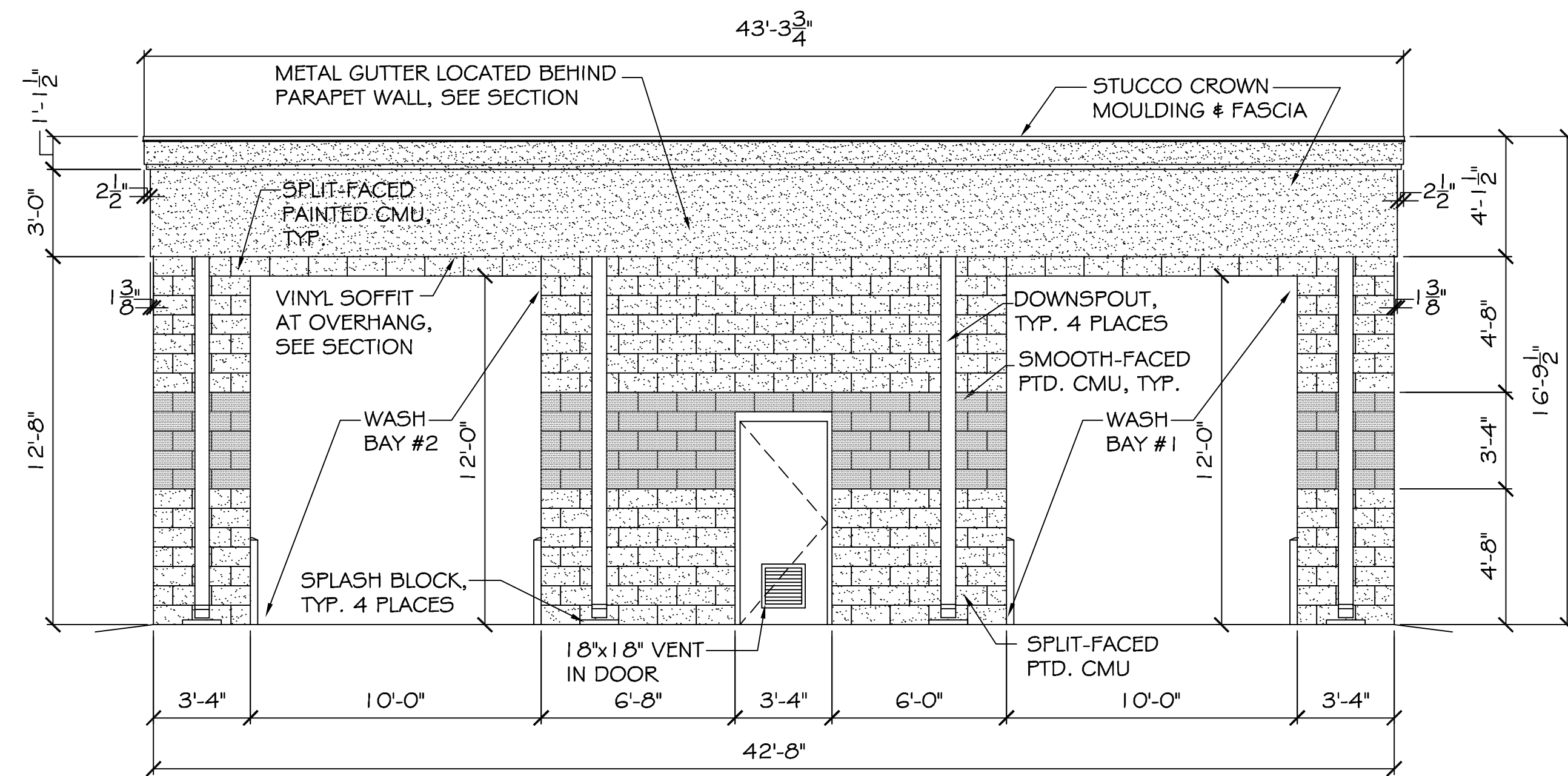
CAR WASH
ELEVATIONS



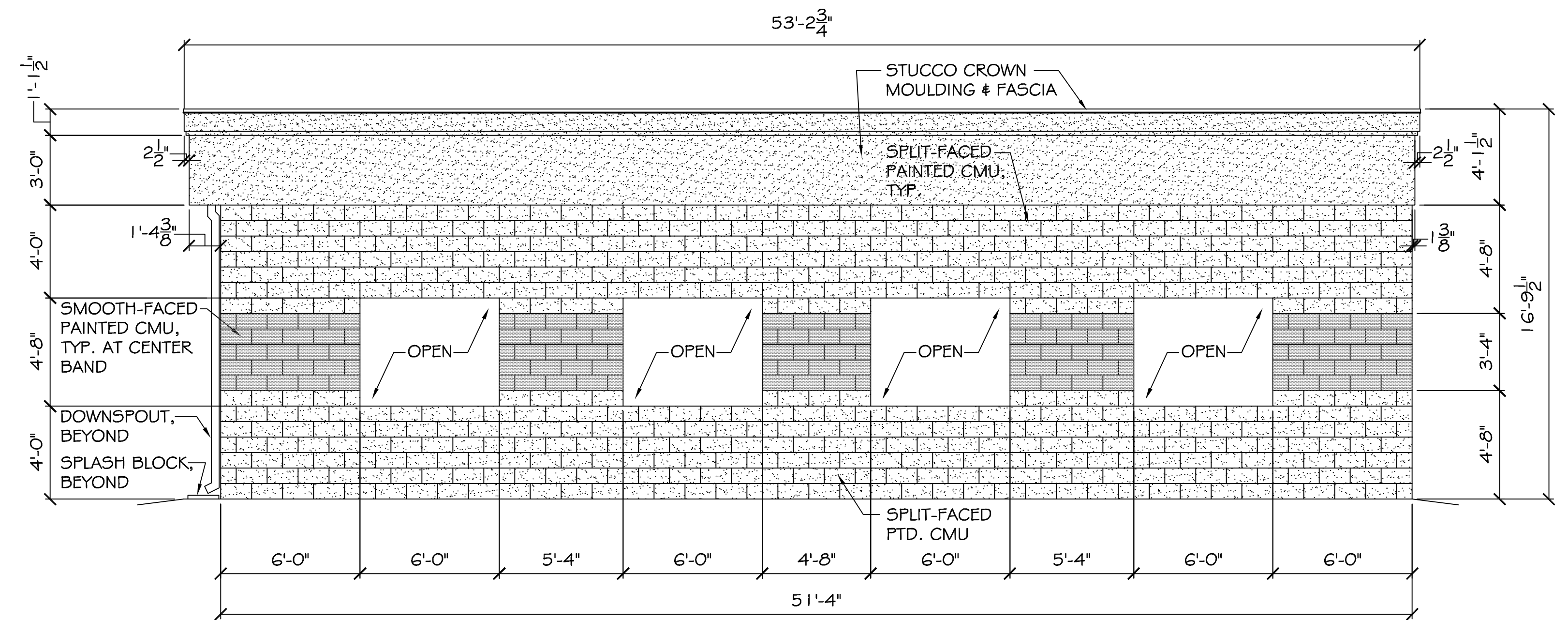
NORTH-FRONT ELEVATION
SCALE: 1/4"=1'



WEST-SIDE ELEVATION
SCALE: 1/4"=1'



SOUTH-REAR ELEVATION
SCALE: 1/4"=1'



EAST-SIDE ELEVATION
SCALE: 1/4"=1'

EXTERIOR STUCCO SPECIFICATIONS:

1. COMPLY WITH ASTM C-841 AND C-842. PROVIDE 3/8" OVERALL THICKNESS ON SELF-FURRING DIAMOND MESH GALVANIZED METAL LATH, 3.4 LB. PER SQUARE YARD, ON "TYVEK" STUCCO WRAP. ATTACH LATH AT "DIMPLES" ONLY, WITH NON-CORROSIVE SCREWS.
2. METAL LATH AND ALL ACCESSORIES TO BE EQUAL TO "AMICO", TO INCLUDE CORNER BEADS, CASING BEADS, BASE SCREEDS, AND CONTROL JOINTS, ALL INSTALLED WITH NON-CORROSIVE SCREWS. ALL ACCESSORIES TO BE ZINC. ALL CORNERS TO BE MITERED.
3. STUCCO TO BE INSTALLED IN THREE COATS; SCRATCH, BROWN, AND FINISH. FINISH COAT TO BE ORIENTAL STUCCO WITH SAND FLOAT FINISH BY U. S. GYPSUM., THEN PAINTED WITH SHERWIN WILLIAMS SWG 165 "CONNECTED GRAY" EXTERIOR PAINT PER OWNER'S RECOMMENDATIONS.
4. STUCCO CROWN MOULDING TO BE DREW FOAM DFM-53T PAINTED WITH SHERWIN WILLIAMS SWG 167 "GARDEN GATE" EXTERIOR PAINT PER OWNER'S RECOMMENDATIONS.
5. COMPLY WITH MANUFACTURER'S AND INDUSTRY RECOMMENDATIONS. INSTALL LATH IN ACCORDANCE WITH ASTM C-1063.
6. SUBMIT DATA/CUT SHEETS FOR ALL ITEMS IF REQUIRED.

CONCRETE MASONRY UNITS (CMU) NOTES:

1. ALL CMU, LOCATED AT THE TOP AND BOTTOM PORTIONS OF THE EXTERIOR AND BAY WALLS IS TO BE PAINTED WITH SHERWIN WILLIAMS SWG 113 "INTERACTIVE CREAM" EXTERIOR PAINT PER OWNER'S RECOMMENDATIONS.
2. THE CENTER "BAND" OF SMOOTH-FACED CMU ON THE EXTERIOR AND BAY WALLS IS TO BE PAINTED WITH SHERWIN WILLIAMS SWG 116 "TATAMI TAN" EXTERIOR PAINT PER OWNER'S RECOMMENDATIONS.
3. ALL INTERIOR CMU IS TO BE PAINTED WITH SHERWIN WILLIAMS SW 6113 "INTERACTIVE CREAM" PAINT UNLESS OTHERWISE SPECIFIED BY OWNER.

REV:

SCALE: AS NOTED

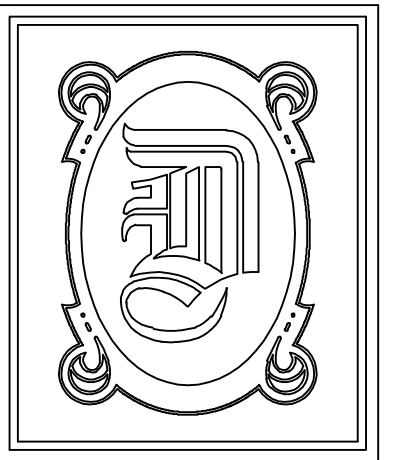
JOB#: 2074

DATE: 09-13-10

SHEET 13

A-3

OF 18



DAMMON ENGINEERING, INC.

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CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SUDELL, LA

CARWASH
BUILDING &
WALL
SECTIONS

REV:

SCALE: AS NOTED

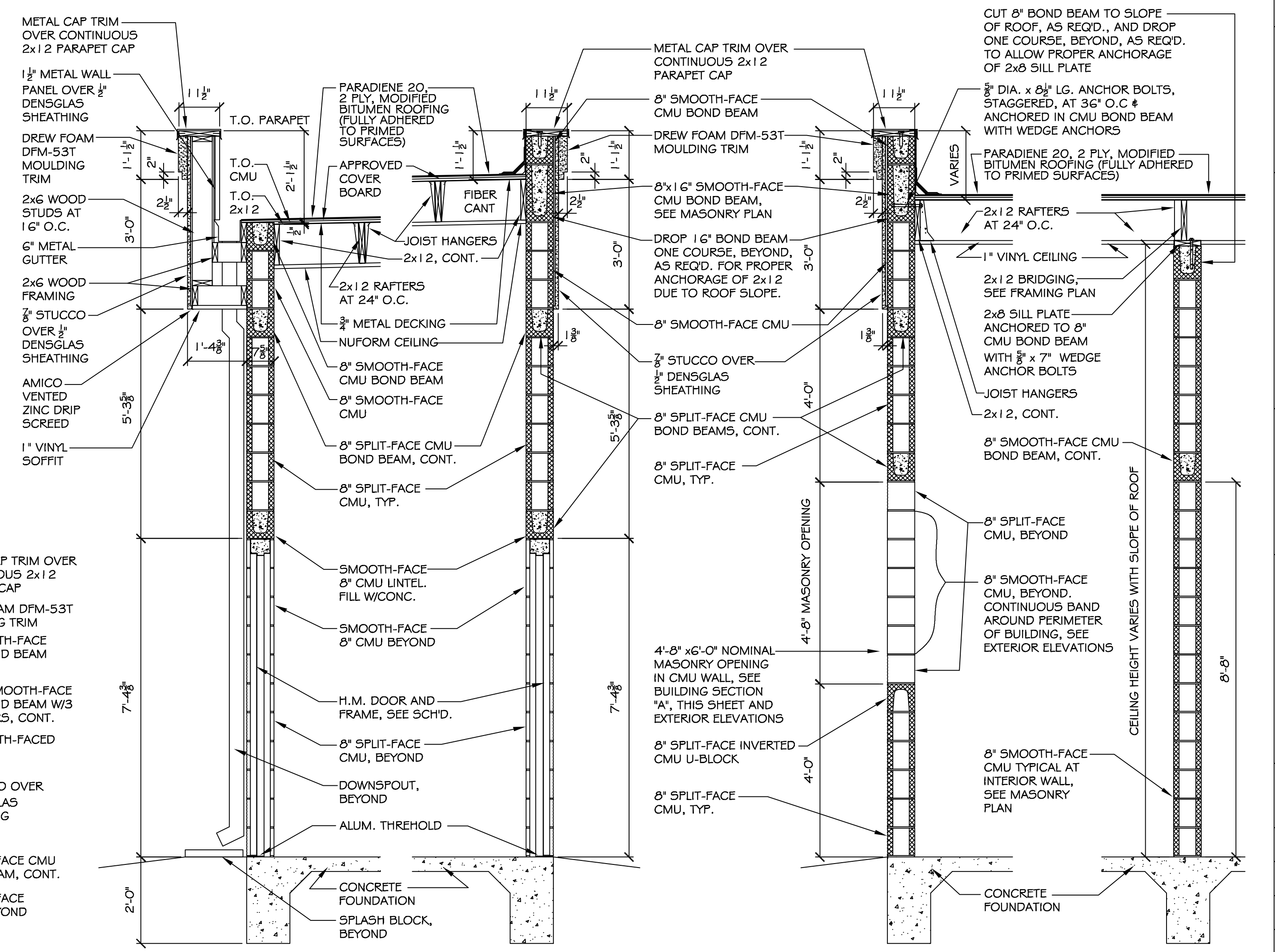
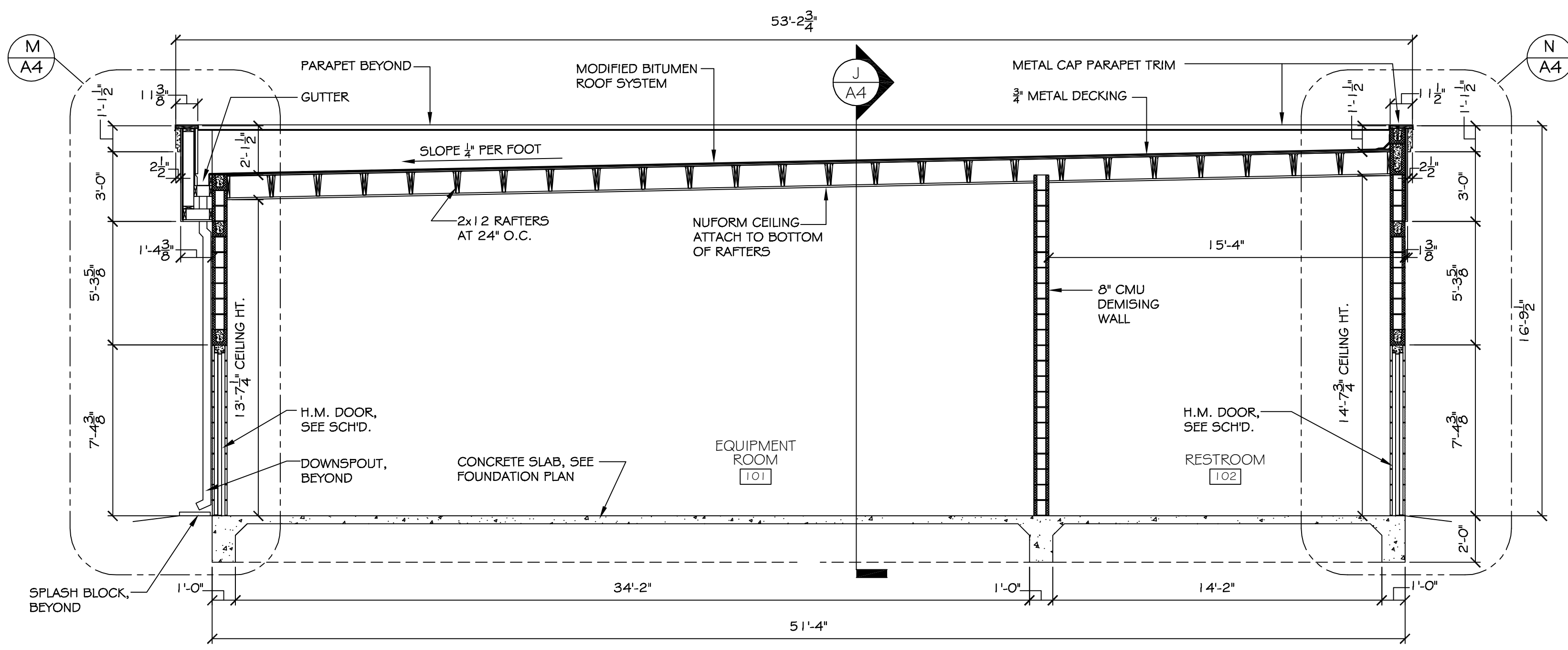
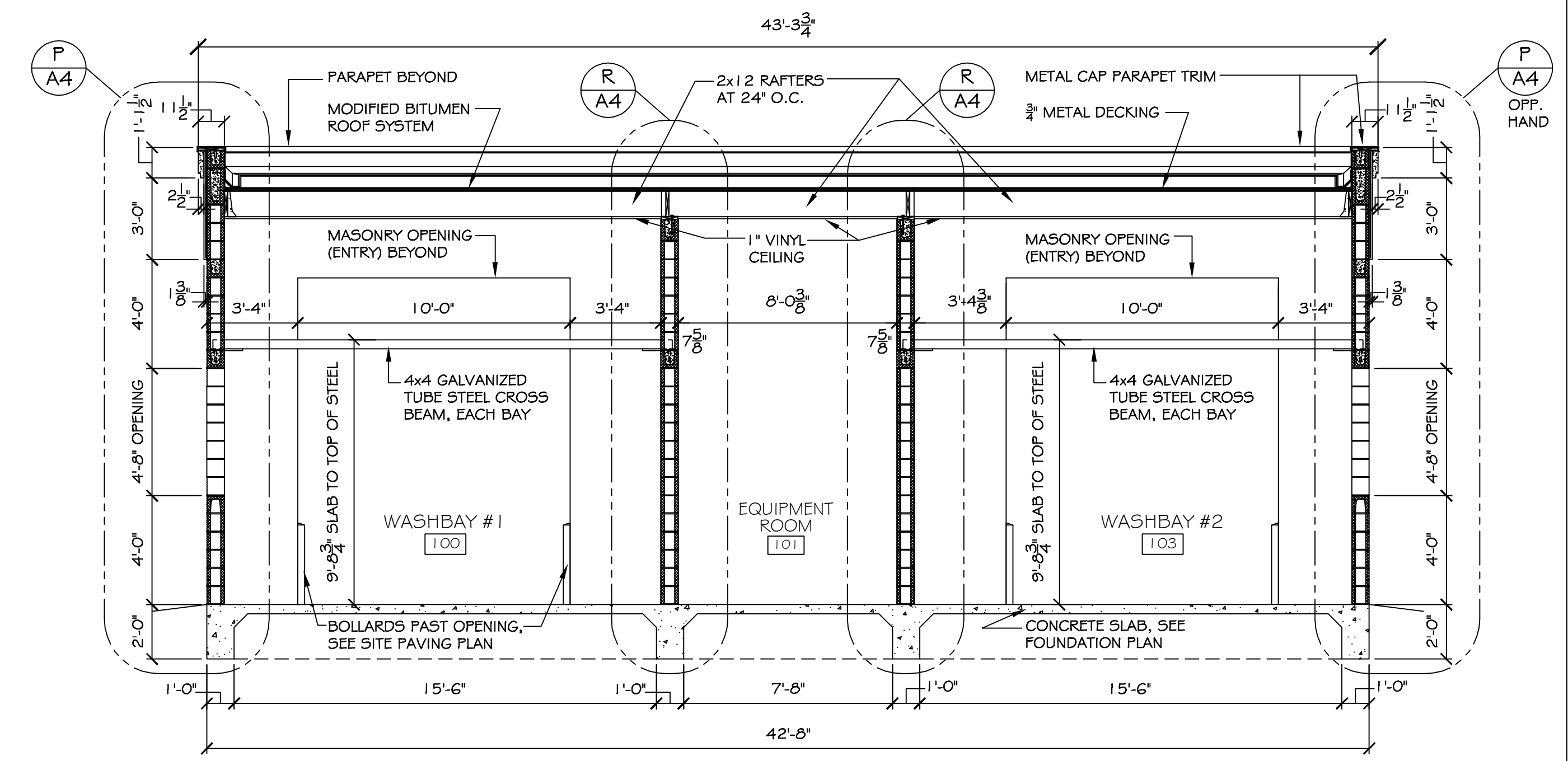
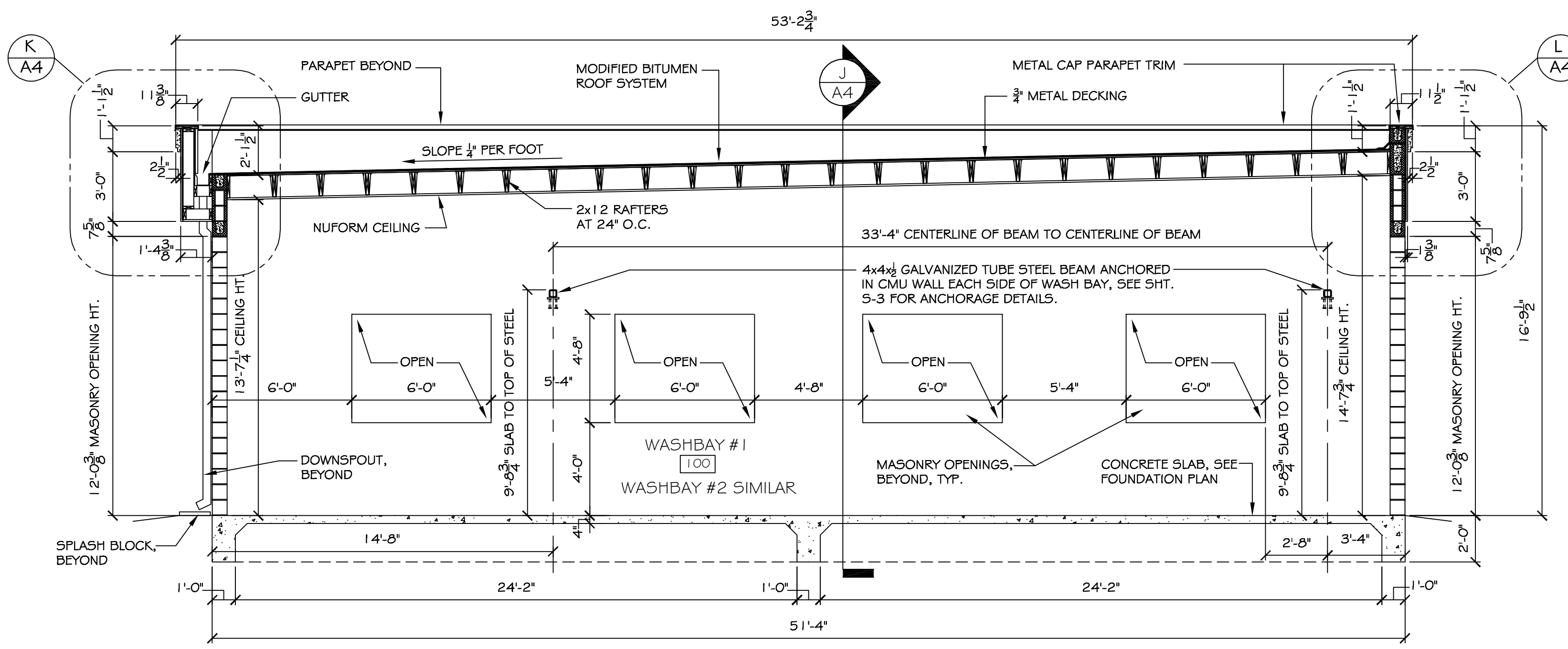
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DATE: 09-13-10

SHEET 14

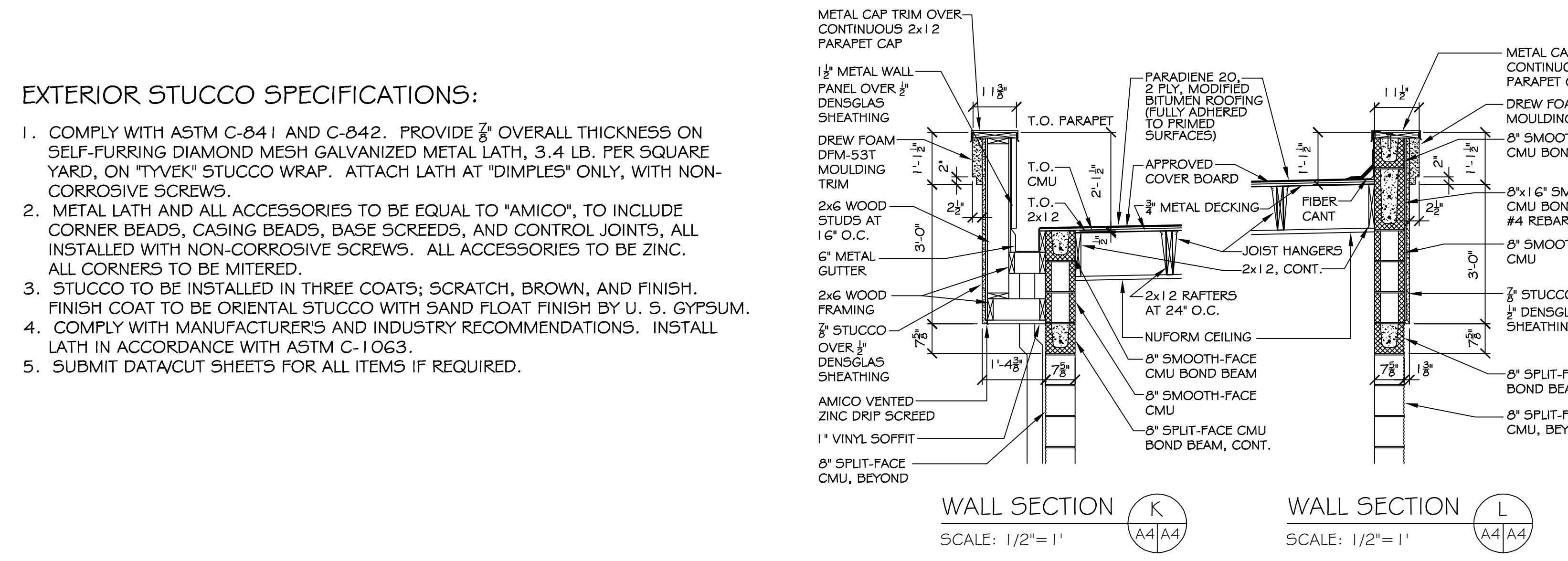
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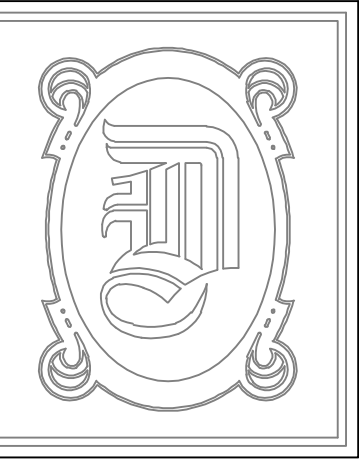
OF 18



EXTERIOR STUCCO SPECIFICATIONS:

1. COMPLY WITH ASTM C-841 AND C-842. PROVIDE 7/8" OVERALL THICKNESS ON SELF-FURRING DIAMOND MESH GALVANIZED METAL LATH, 3.4 LB. PER SQUARE YARD, ON "TYVEK" STUCCO WRAP. ATTACH LATH AT "DIMPLES" ONLY, WITH NON-CORROSIVE SCREWS.
2. METAL LATH AND ALL ACCESSORIES TO BE EQUAL TO "AMICO", TO INCLUDE CORNER BEADS, CASING BEADS, BASE SCREEDS, AND CONTROL JOINTS, ALL INSTALLED WITH NON-CORROSIVE SCREWS. ALL ACCESSORIES TO BE ZINC. ALL CORNERS TO BE MITERED.
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4. COMPLY WITH MANUFACTURER'S AND INDUSTRY RECOMMENDATIONS. INSTALL LATH IN ACCORDANCE WITH ASTM C-1063.
5. SUBMIT DATA/CUT SHEETS FOR ALL ITEMS IF REQUIRED.





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**ROOF PLAN,
ROOF FRAMING PLAN,
AND
ROOF DETAILS**

REV:

SCALE: AS NOTED

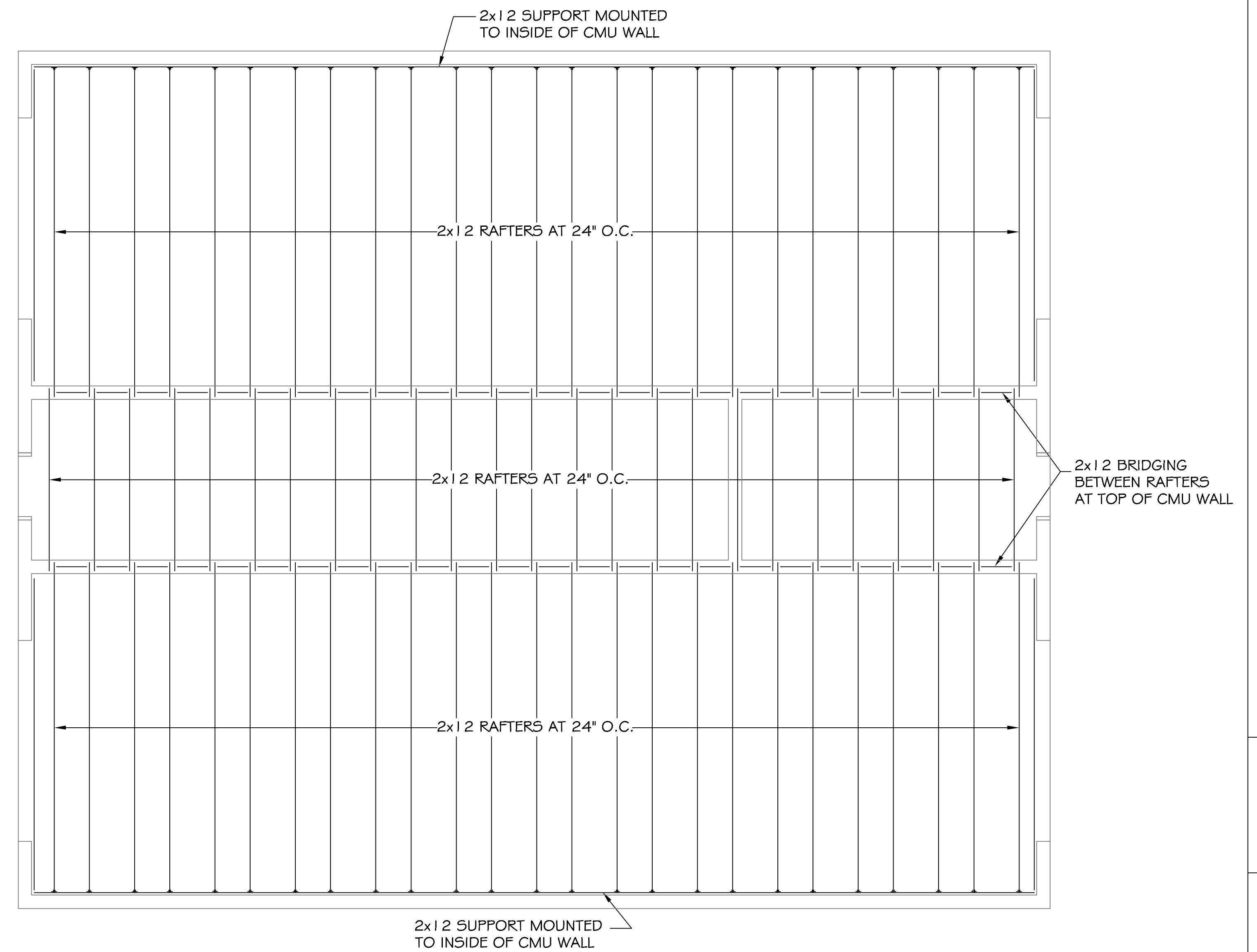
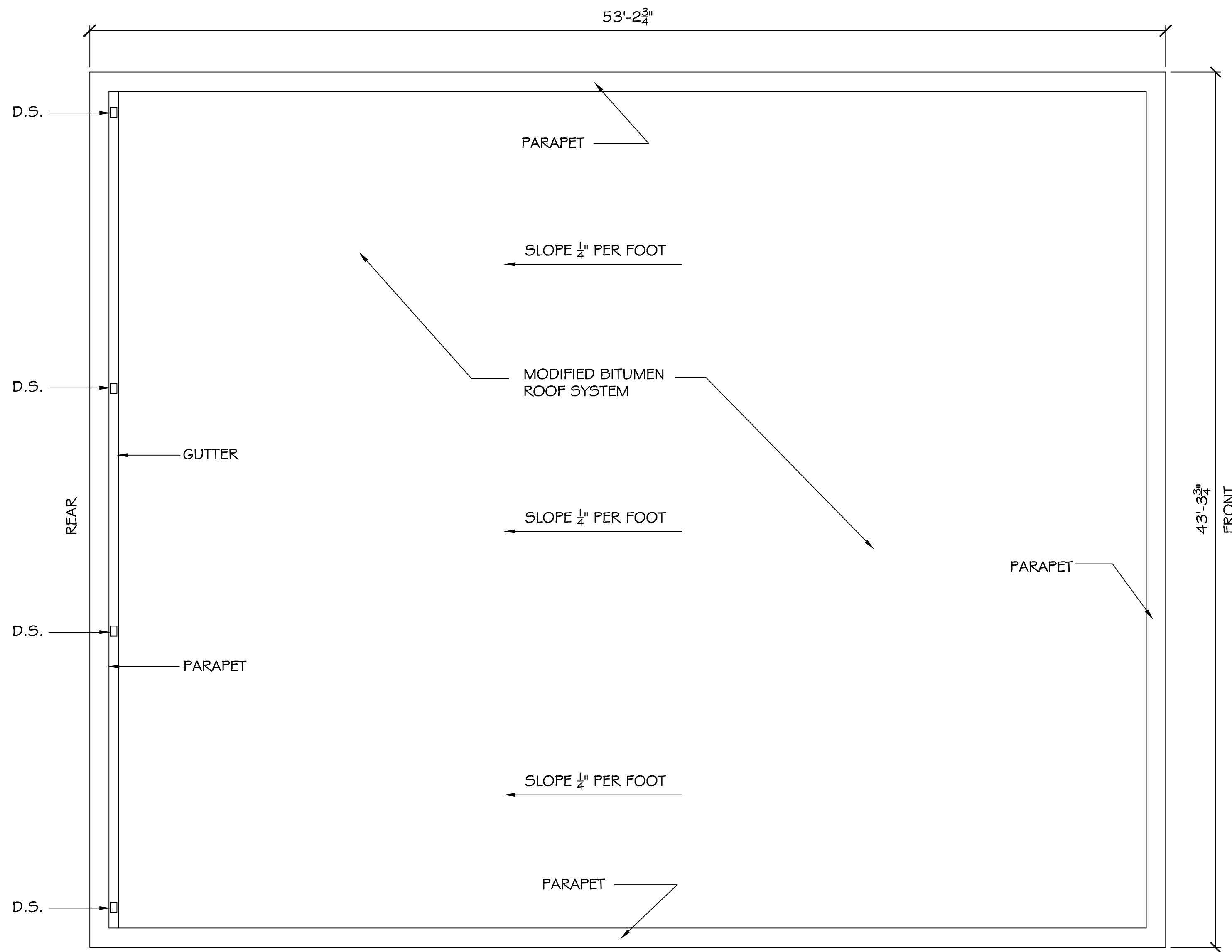
JOB#: 2074

DATE: 09-13-10

SHEET 15

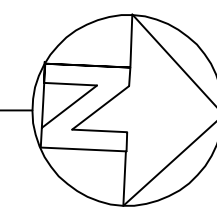
F-1

OF 18



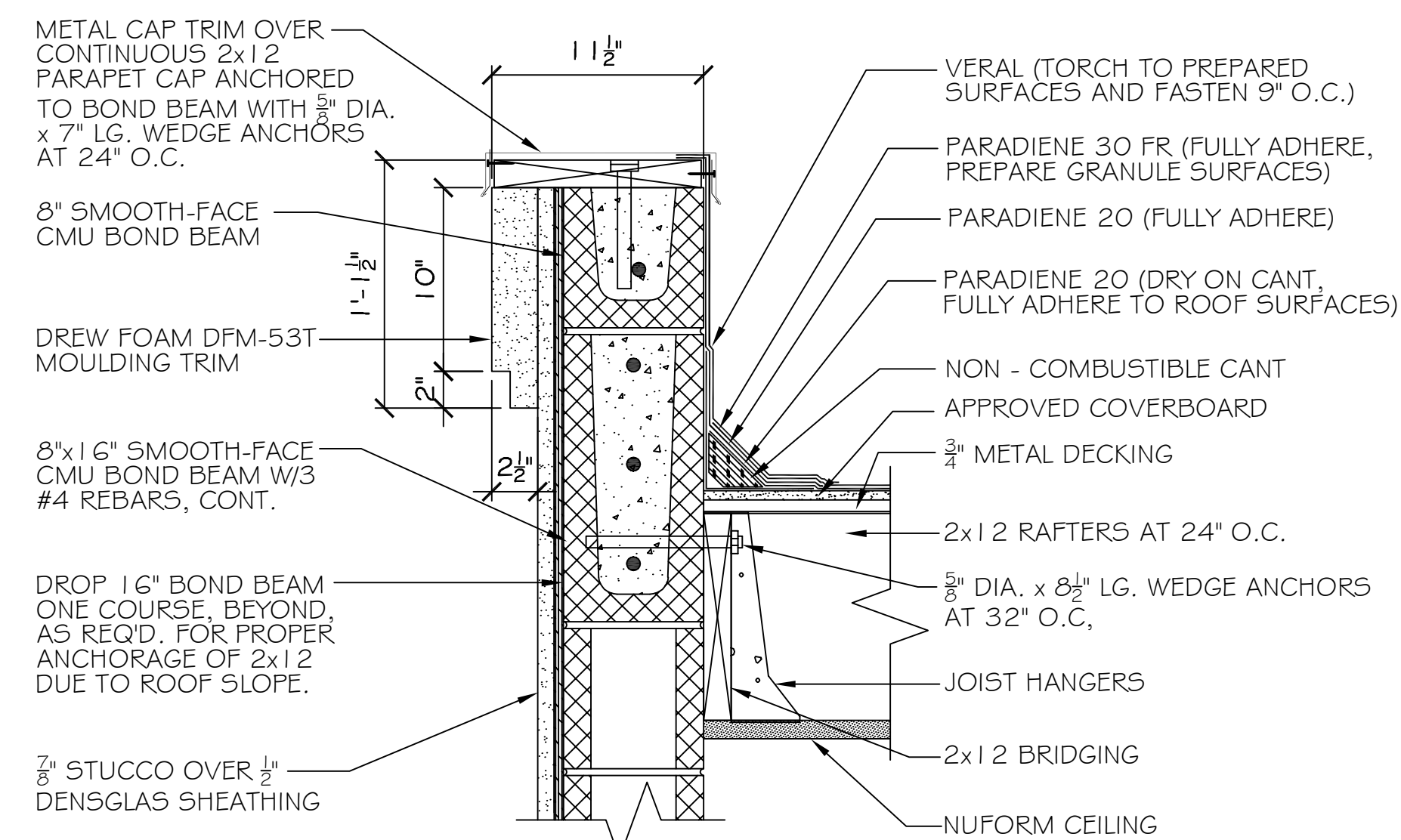
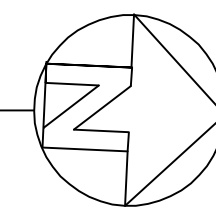
ROOF PLAN

SCALE: 1/4" = 1'



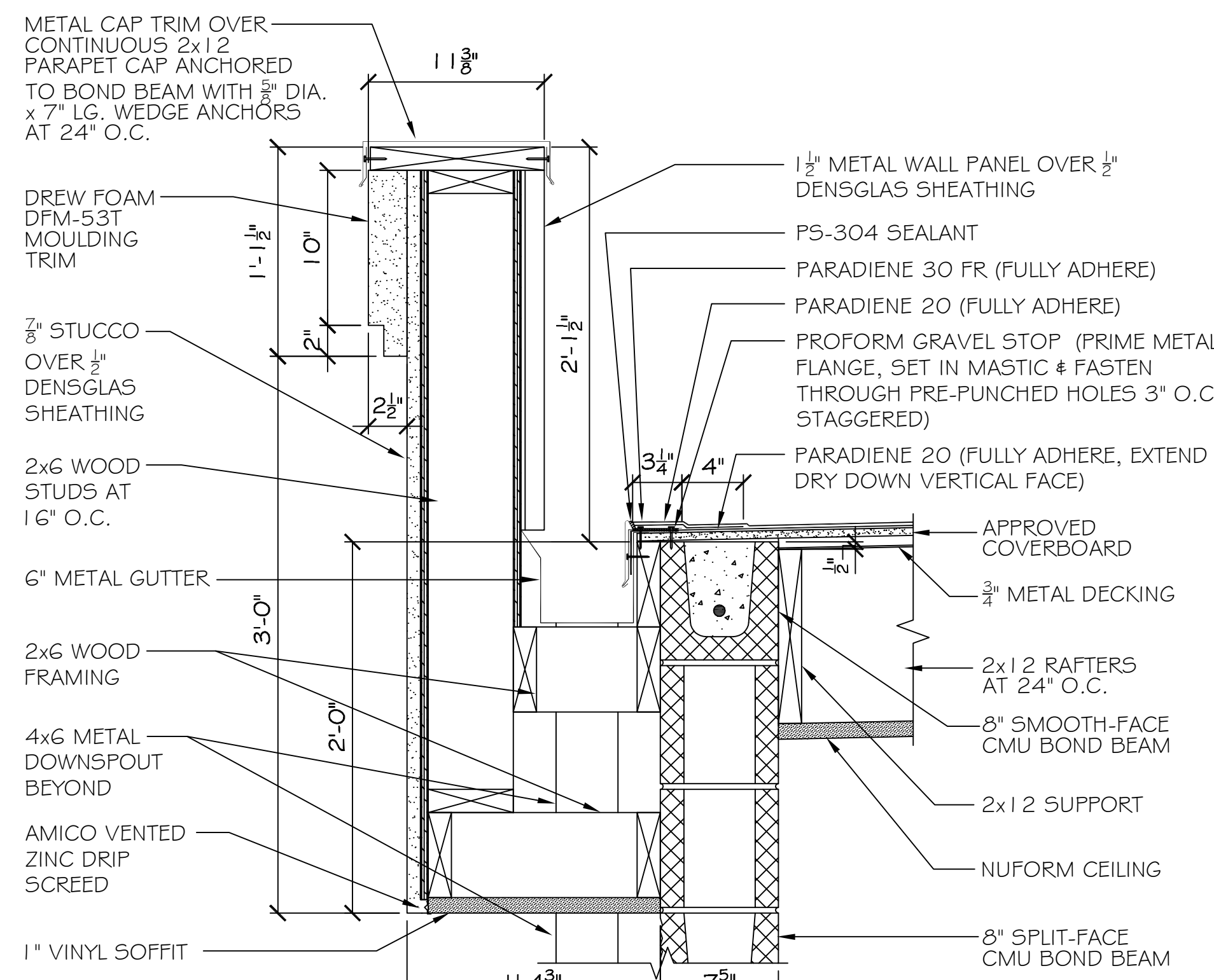
ROOF FRAMING PLAN

SCALE: 1/4" = 1'



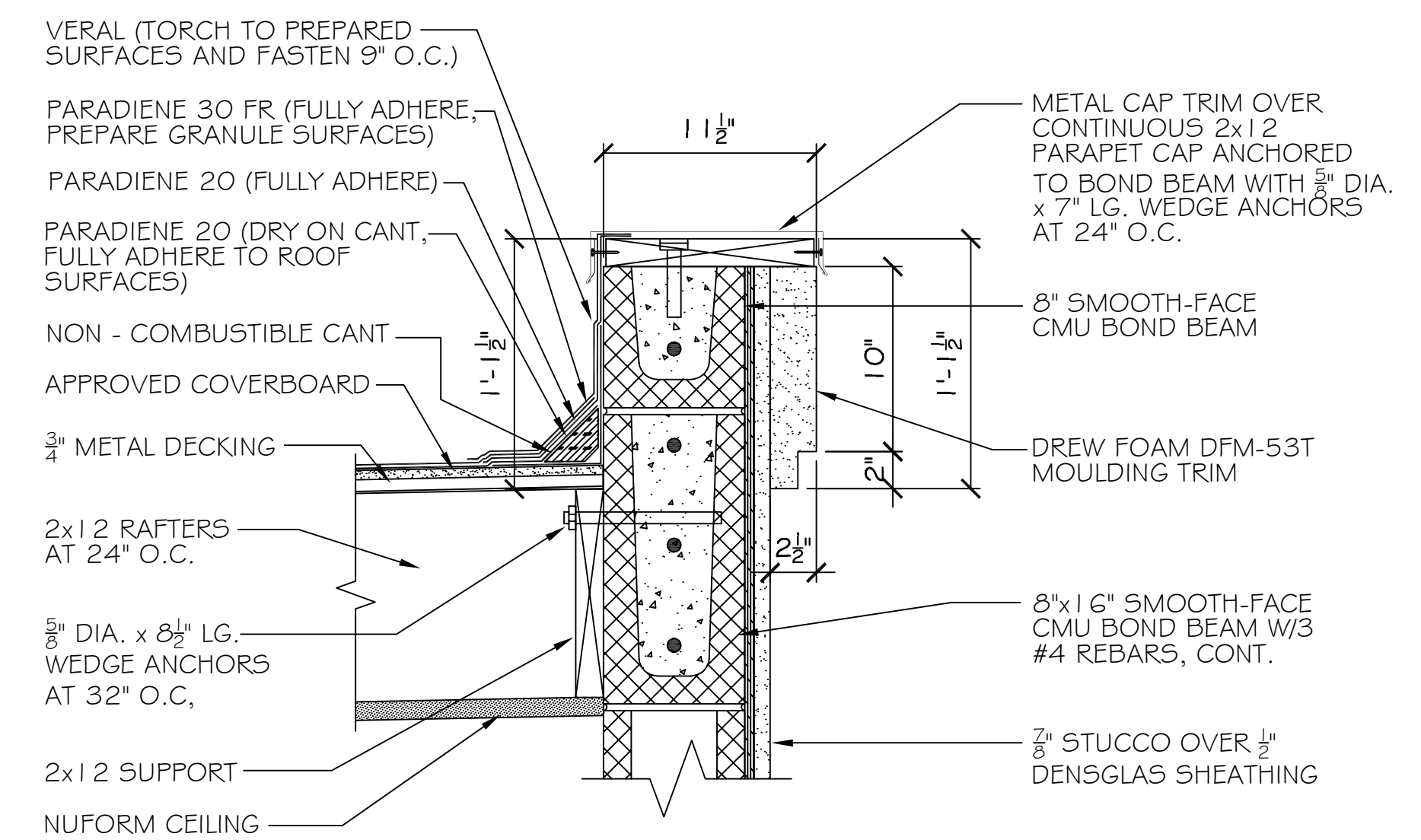
ROOF AT SIDE PARAPET

SCALE: 1-1/2" = 1'



ROOF AT REAR PARAPET

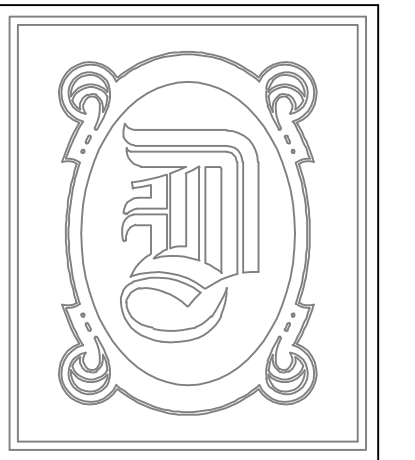
SCALE: 1-1/2" = 1'



ROOF AT FRONT PARAPET

SCALE: 1-1/2" = 1'





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CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

ELECTRICAL
POWER PLAN,
NOTES, &
SCHEDULES

REV:

SCALE: AS NOTED

JOB#: 2074

DATE: 09-13-10

SHEET 16

E-1

OF 18

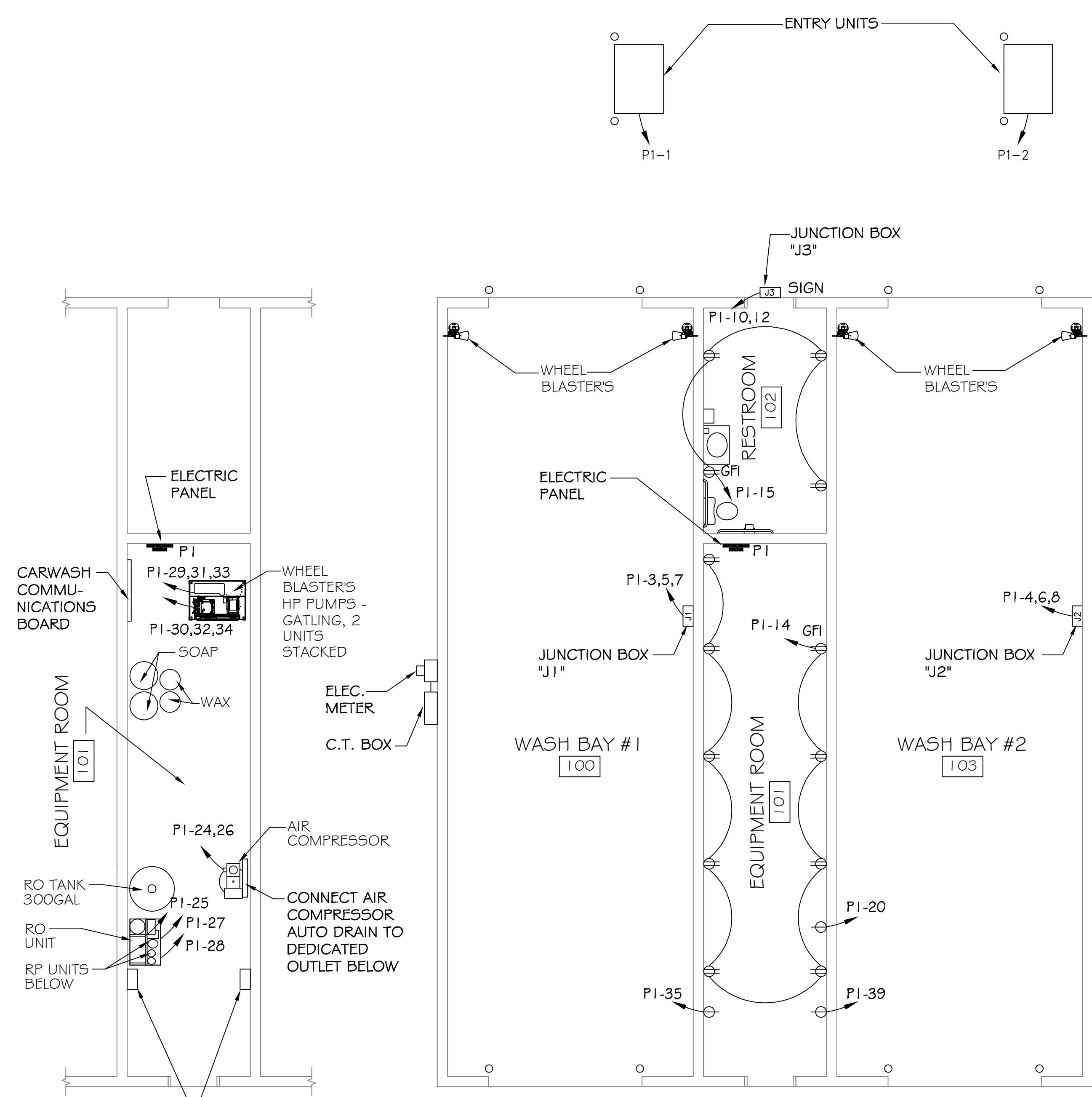
PANEL: P-1		VOLTAGE: 208/120V, 600A 3Ø, 4W								
LOCATION: CARWASH EQUIPMENT ROOM		ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR								
FEEDER SOURCE: CLECO		W-SHUNT TRIP BRK. 22000 AIC								
CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (VA)	WIRING	LOAD (VA)	BREAKER AMP POLE	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	ENTRY UNIT (110V)	20 1	1760	⊕	1760	1 20	ENTRY UNIT (110V)	#12	2
3				20775	⊕	20775				4
5	3/0	WASH BAY #1 JUNCTION BOX	200 3	20774	⊕	20774	3 200	WASH BAY #2 JUNCTION BOX	3/0	6
7				20775	⊕	20775				8
9				5764	⊕	1664				10
11	#6	VACUUM SYSTEM	60 3	5764	⊕	1664	2 30	EXTERIOR SIGN JUNCTION BOX	#6	12
13				5764	⊕	1440	1 20	EQUIPMENT ROOM 101 RECEPTACLES	#12	14
15	#12	RESTROOM 102 RECEPTACLES	20 1	640	⊕	1536	1 20	WASH BAY #1 LIGHTS	#12	16
17	#12	VACUUM SYSTEM AREA-EXT. WEATHERPROOF GFI RECEPTACLE	20 1	160	⊕	1536	1 20	WASH BAY #2 LIGHTS	#12	18
19	#12	EQUIPMENT & RESTROOM 101 & 102 LIGHTS	20 1	460	⊕	160	1 20	AIR COMPRESSOR DEDICATED RECEPTACLE IN EQUIP. ROOM	#12	20
21	#6	SITE LIGHTING	30 2	800	⊕	24	1 20	EXIT/EMERGENCY LIGHTS	#12	22
23				800	⊕	2407				24
25	#12	REVERSE OSMOSIS UNIT IN EQUIPMENT ROOM (5.7A)	20 1	1642	⊕	2405	2 20	AIR COMPRESSOR IN EQUIPMENT ROOM (16.7A)	#10	26
27	#12	REPRESSURIZATION UNIT IN EQUIPMENT ROOM (5.7A)	20 1	1642	⊕	1642	1 20	REPRESSURIZATION UNIT IN EQUIPMENT ROOM (5.7A)	#12	28
29				4419	⊕	4419				30
31	#6	WHEEL BLASTER-GATLING PUMP UNIT IN EQUIPMENT ROOM (46A)	50 3	4420	⊕	4420	3 50	WHEEL BLASTER-GATLING PUMP UNIT IN EQUIPMENT ROOM (46A)	#6	32
33				4419	⊕	4419				34
35	#12	TIRE SHINE PANEL DEDICATED RECEPTACLE IN EQUIP. ROOM	20 1	160	⊕	1024	1 30	VACUUM CANOPY LIGHTS	#10	36
37	#12	SPARE	20 1	-	⊕	-	1 20	SPARE	#12	38
39	#12	TIRE SHINE PANEL DEDICATED RECEPTACLE IN EQUIP. ROOM	20 1	160	⊕	-	1 20	SPARE	#12	40
41	#12	SPARE	20 1	-	⊕	1200	1 20	EF-2 EXHAUST FAN IN EQUIPMENT ROOM	#12	42
				TOTAL CONNECTED LOAD (VA)=195,142				GROUND BUS		
				A=65,781 B=64,260 C=65,101				GROUND WIRE (G)		

POWER LEGEND

- ⊕ - RECEPTACLE 20A 115V
- ⊕ WP/GFI - GFI WEATHERPROOF RECEPTACLE
- ⊕ - JUNCTION BOX
- ⊕ - POWER PANEL
- ⊕ - DEDICATED RECEPTACLE 20A 110V

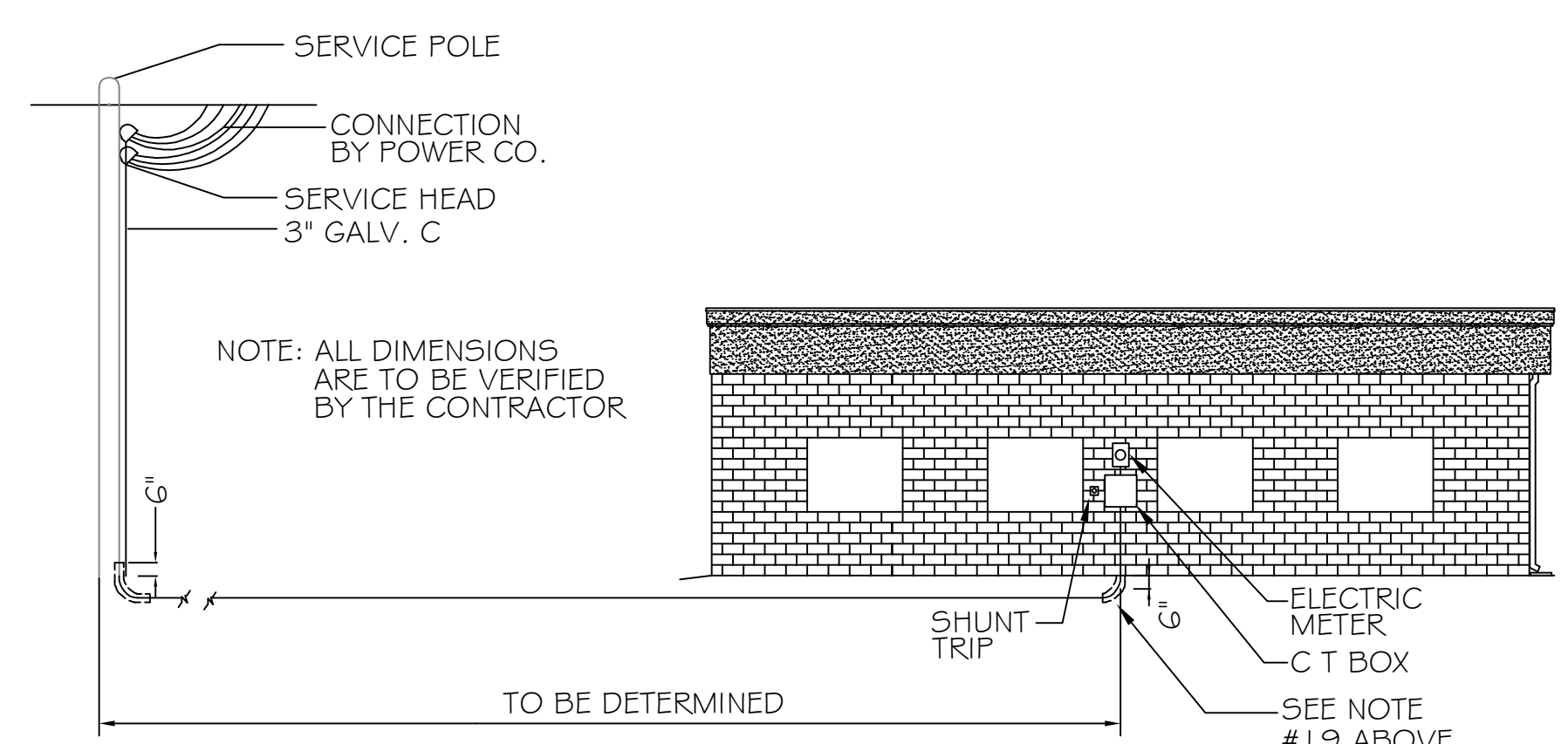
ELECTRICAL NOTES

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" WIPFS.
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 ITT 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 ADJUTING 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.



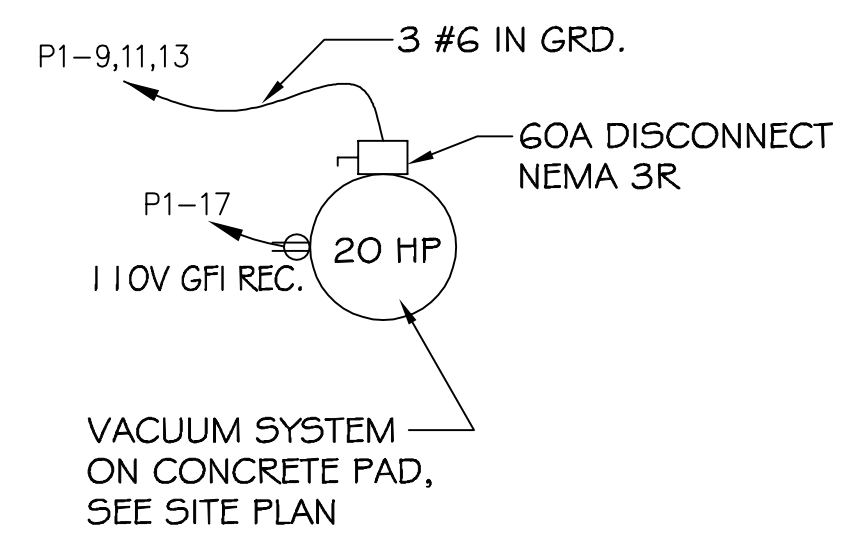
ELECTRICAL POWER PLAN

SCALE: 3/16"=1'



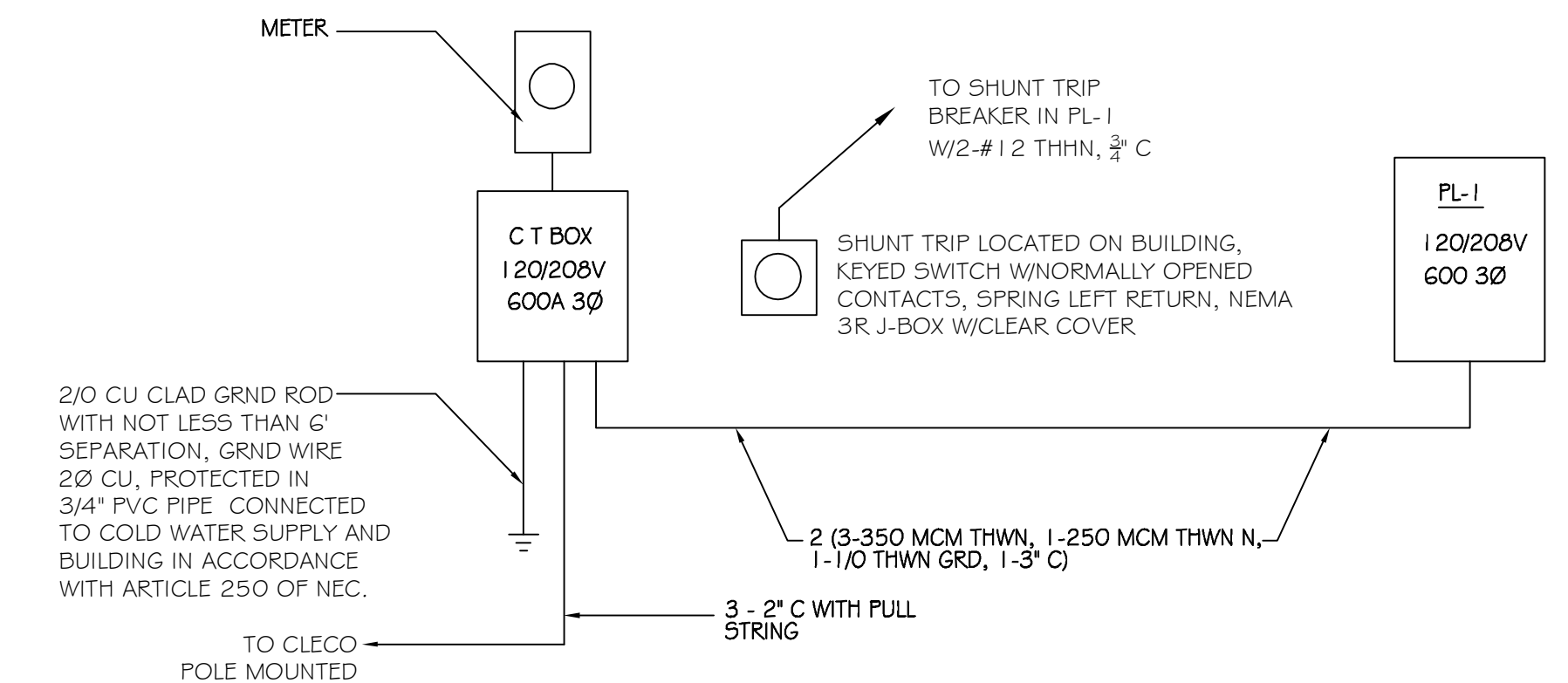
ELECTRICAL SERVICE DETAIL

N.T.S.



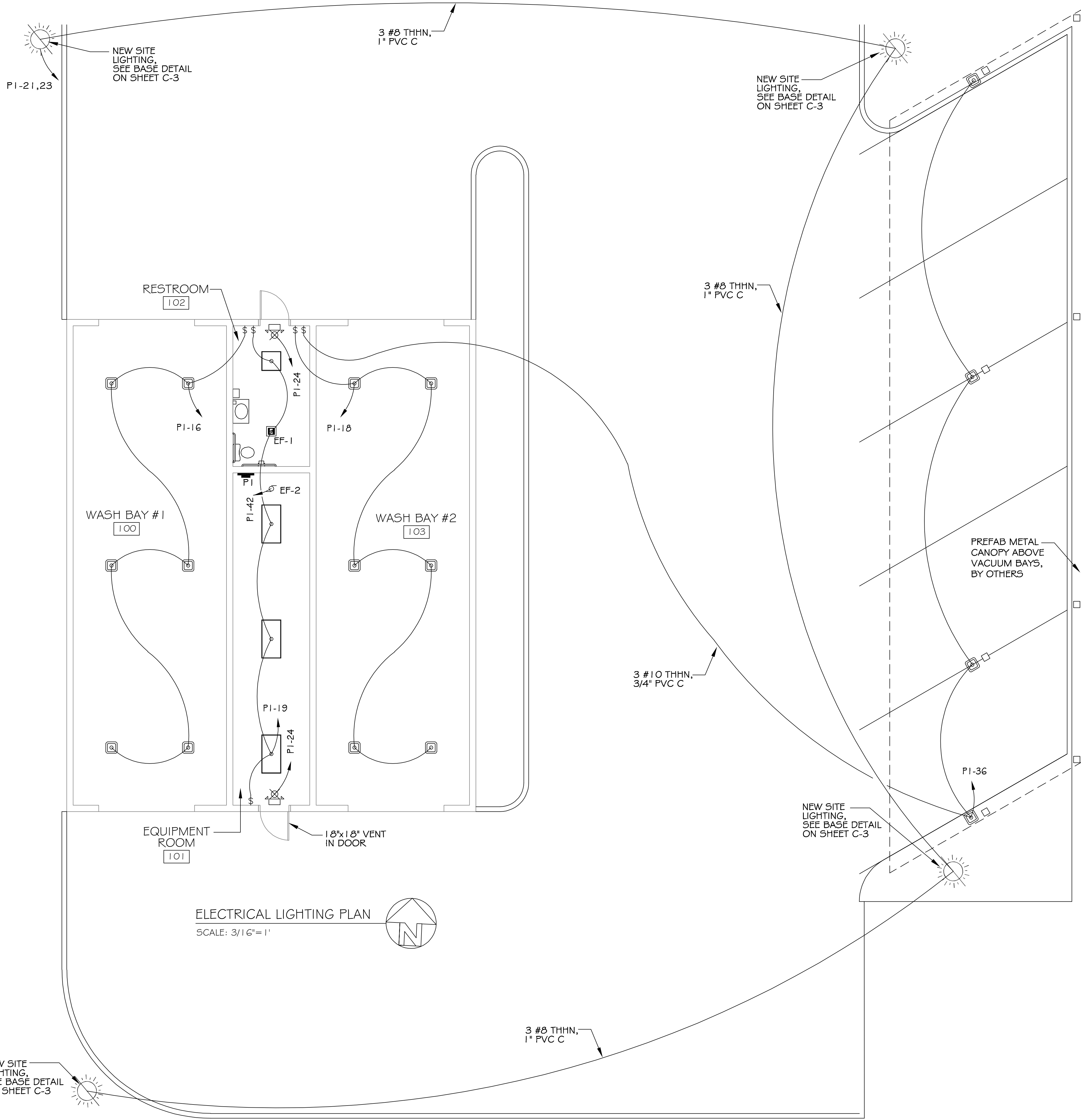
VACUUM SYSTEM

SCALE: 3/16"=1'



ONE-LINE DIAGRAM

N.T.S.



ELECTRICAL LIGHTING PLAN
SCALE: 3/16" = 1'

LIGHTING LEGEND

- POLE LIGHT, METAL HALIDE (400W) 208V, PHOTOCELL CONTROLLED, WITH 20 ° ANGLED BRACKET AND 25 FEET POLE RATED AT 130 MPH.
- 2'x4' FLUORESCENT LIGHT (1128W) 120V 1φ
- 2'x2' FLUORESCENT LIGHT (1100W) 120V 1φ
- SCOTTSDALE SC320 P5MV PULSE-START METAL HALIDE LIGHT (320W) 120V 1φ
- EXHAUST FAN/LIGHT COMBO (90 w EA.)
- EXIT/EMERGENCY LIGHT COMBO W/ 90 MIN. BATTERY BACKUP (12W)
- EXTERIOR WATERPROOF WALL MOUNTED H.P. METAL HALIDE LIGHT (175W)
- EXHAUST VENT/FAN
- SWITCH
- POWER PANEL

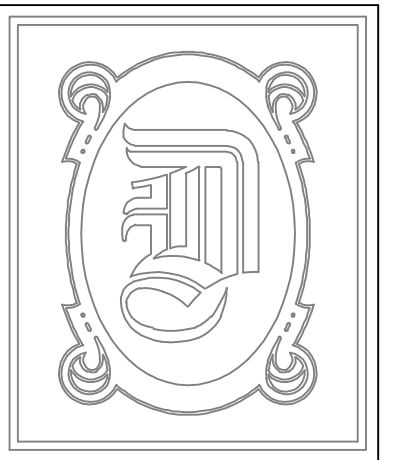
CLECO Power LLC - Electrical Load Summary

Project Name: Cbo's Soft Touch Carwash
 Project Address: Lot 5A East Hall Street
 City / Town: Slidell, Louisiana
 Intended Use: Carwash Business
 Requested Service: 208/120 Volts 3 Phase 4 Wires
 Service Entrance Size: 600 Amps
 HVAC Tonnage: N/A Tons (Suite 1)
 Largest Motor: 20 HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 208/120V, 3 φ, 4W services.)
 Total Building Square Footage: 2,190 Square Feet
 Individual Unit Square Footage: N/A Square Feet (Multiple Occupancy)
 Individual Unit Designation: N/A (Multiple Occupancy)

LOAD SOURCE	1φ - kVA	3φ - kVA	or	1φ - kW	3φ - kW
Building Lighting	-	3556	or	-	-
Electric Water Heating	-	-	or	-	-
Heat Pumps	-	-	or	-	-
Supplemental Heat System	-	-	or	-	-
Air Conditioning Condensing Units	-	-	or	-	-
Electrical Heating (Primary) - AHUs	-	-	or	-	-
Cooking	-	-	or	-	-
Refrigeration	-	-	or	-	-
Receptacles (Standard)	-	2240	or	-	-
Receptacles (Computer)	-	-	or	-	-
Total Motors (Exclude HVAC)	-	53546	or	-	-
Parking Lot / Exterior Lighting	-	4992	or	-	-
Miscellaneous - Junction Boxes	-	127976	or	-	-
Other (Specify)	-	-	or	-	-

EXHAUST FAN SCHEDULE

NO.	LOCATION	CFM	VOLTAGE	TYPE	MANUFACTURER
EF1	RESTROOM	100	120	VENT	BROAN
EF2	EQUIPMENT ROOM	1000	120	VENT	BROAN W/THERMOSTAT



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- ARCHITECTURE
- ENGINEERING
- STUDIES
- PLANNING
- INVESTIGATION
- EXPERT WITNESS

CECIL BOYD'S
CAR WASH
LOT 5A
EAST HALL ST.
SLIDELL, LA

ELECTRICAL LIGHTING PLAN

REV:

SCALE: AS NOTED

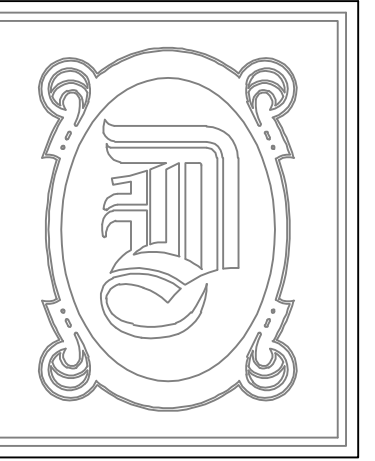
JOB#: 2074

DATE: 09-13-10

SHEET 17

E-2

OF 18



DAMMON
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EAST HALL ST.
SLIDELL, LA

PLUMBING
PLAN,
NOTES, &
DETAILS

REV: 09-28-10

SCALE: AS NOTED

JOB#: 2074

DATE: 09-13-10

SHEET 18

P-1

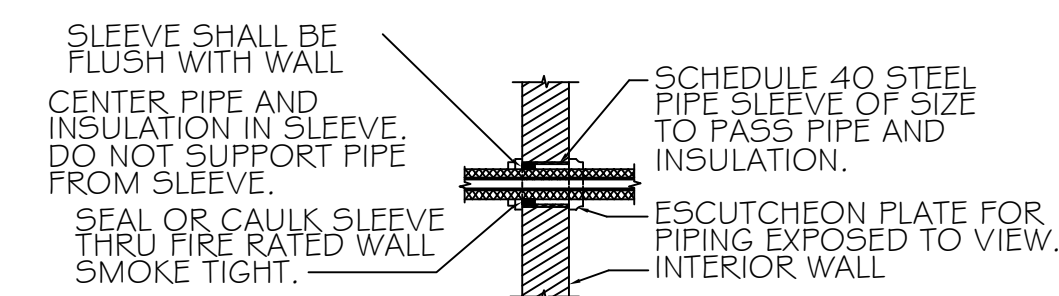
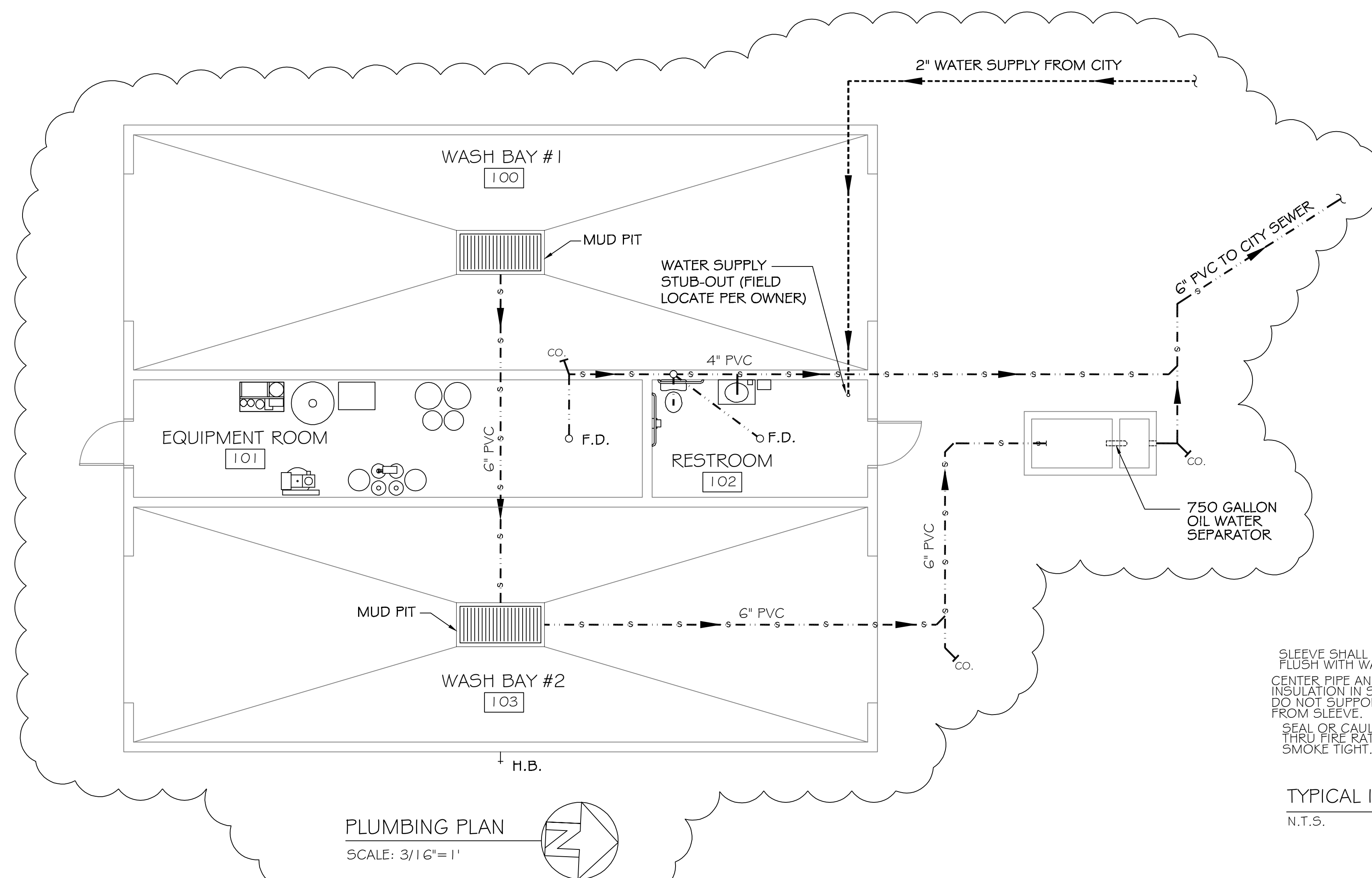
OF 18

LEGEND	
SYMBOL	DESCRIPTION
---S---S---S---S---S---	SANITARY SEWER
-----	COLD WATER
C.O.	CLEAN OUT
F.D.	FLOOR DRAIN
H.B.	HOSE BIB

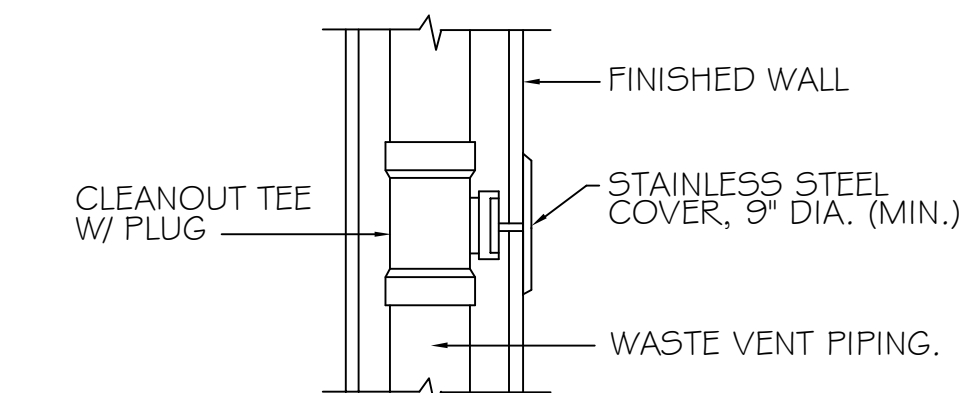
NOTE: ALL PLUMBING LINES ARE SHOWN DIAGRAMATIC.

FIXTURE NOTES:

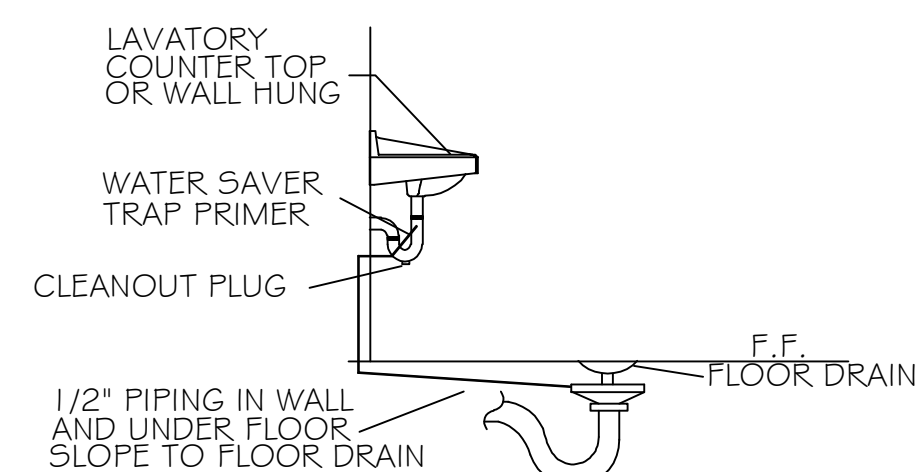
1. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
2. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
3. FIXTURES SELECTED BY OWNER.



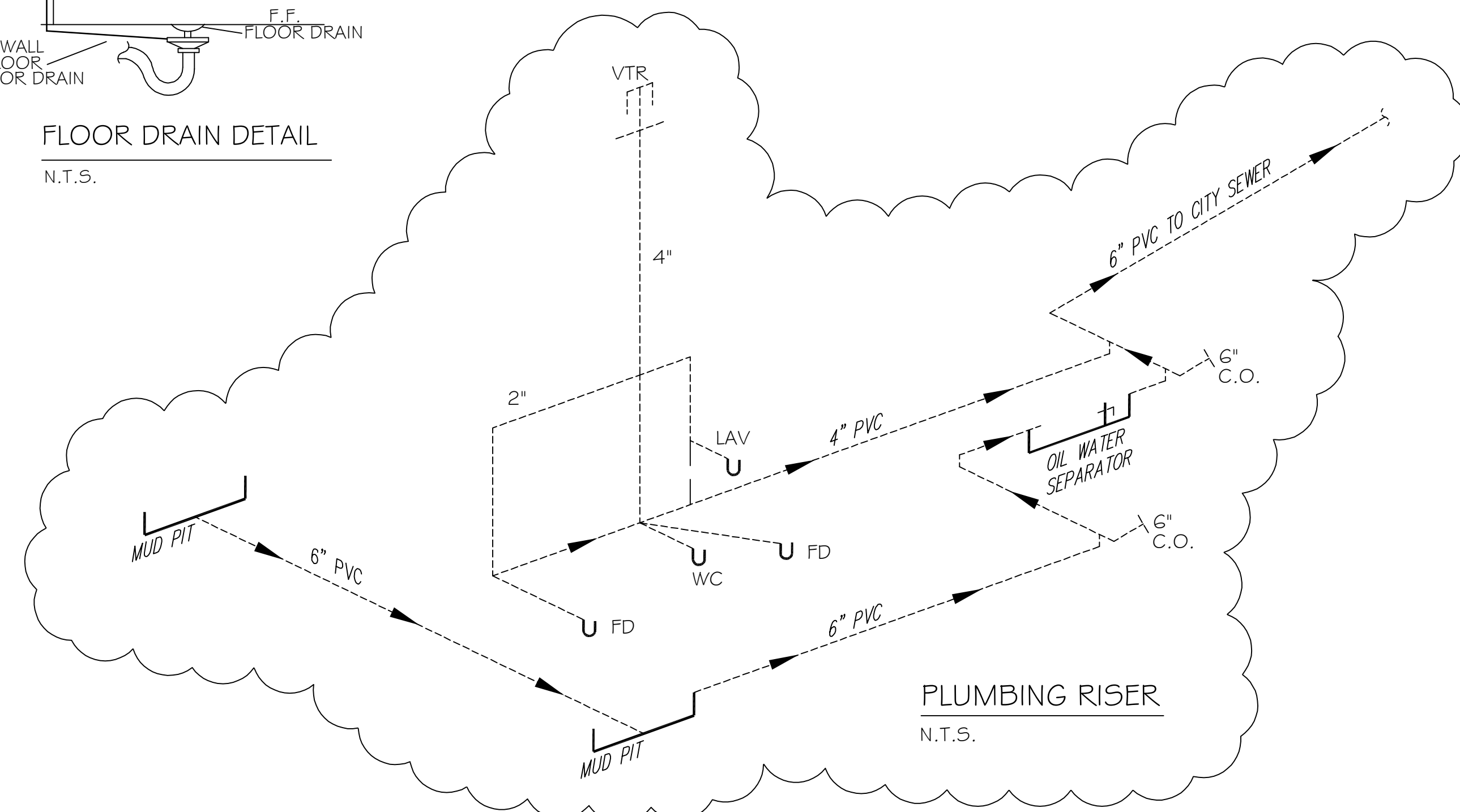
TYPICAL INTERIOR WALL SLEEVE DETAIL
N.T.S.



WALL CLEANOUT DETAIL
N.T.S.



FLOOR DRAIN DETAIL
N.T.S.



PLUMBING NOTES

1. 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.
2. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
3. 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.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. 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.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
10. 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.
11. 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 B16.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
12. 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.
13. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. 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.)
15. ALL PLUMBING LINES SHOWN ARE DIAGRAMATIC.