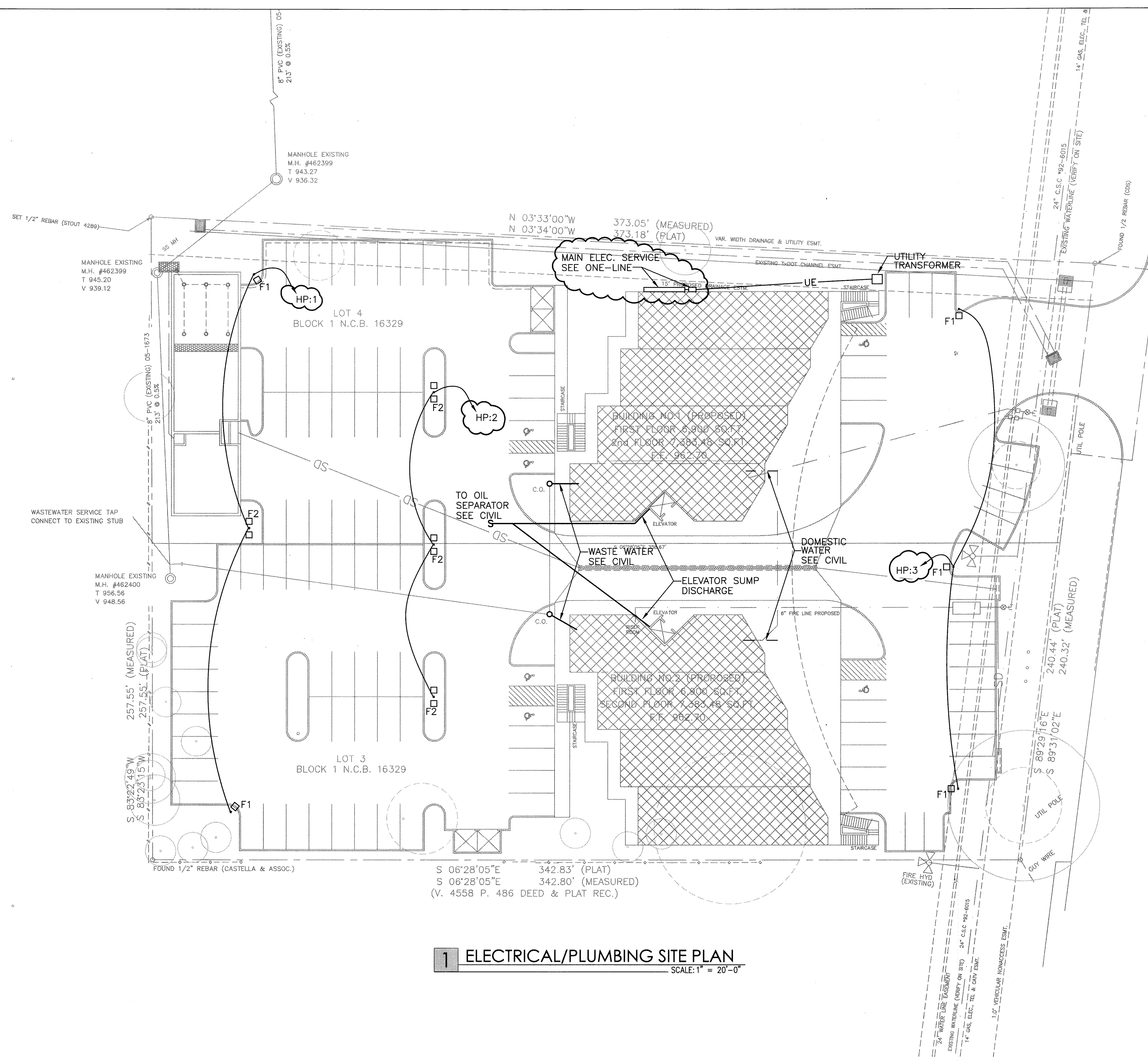
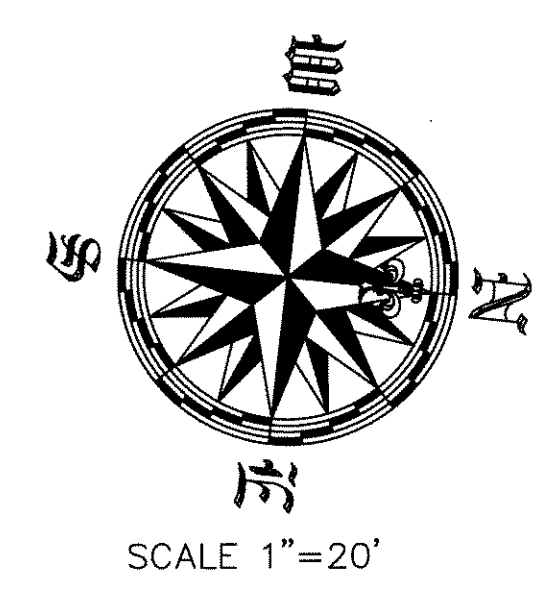




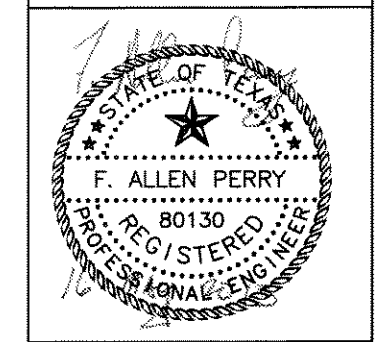
1 ELECTRICAL/PLUMBING SITE PLAN
SCALE: 1" = 20'-0"



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F-3816

ISSUE DATE	1.10.2013
DRAWN BY	JMP
CHECKED BY	FAP
SCALE	AS SHOWN
REVISIONS	
REVISION #1	04/01/13
REVISION #2	04/25/13
REVISION #3	05/06/13
REVISION #4	05/13/13
REVISION #5	05/16/13

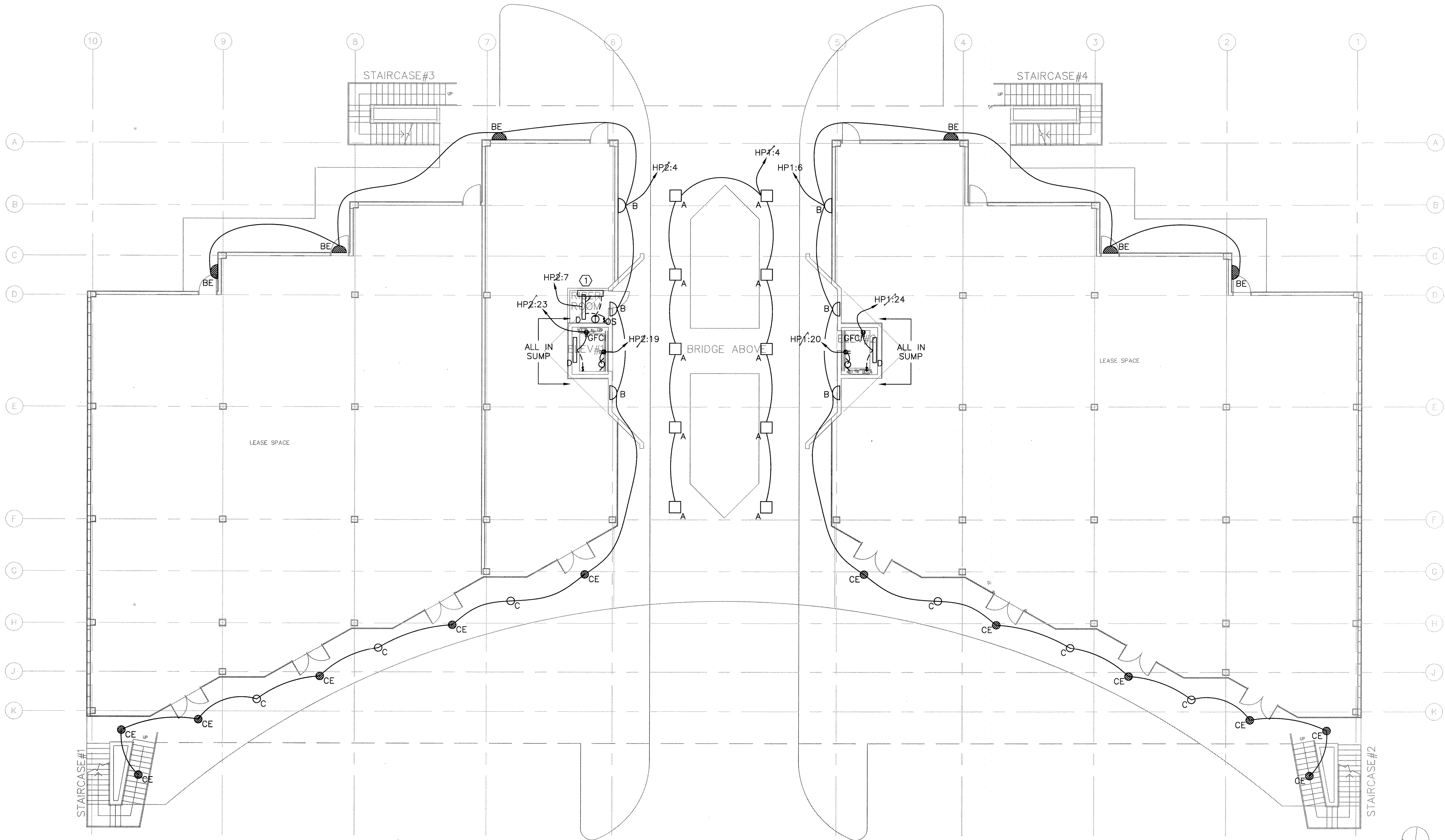


PROJECT NAME
NORTH LOOP RETAIL CENTER
PROJECT ADDRESS
**1604 & STONE OAK
SAN ANTONIO, TX**
SHEET TITLE
SITE PLAN

SHEET NUMBER

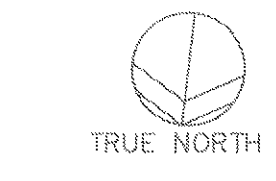
EP-1.0





1 ELECTRICAL 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES:
① CIRCUIT LIGHT AND WALL HEATER TO HP:7. CIRCUIT HEATER THROUGH LINE VOLTAGE THERMOSTAT. HEATER SHALL BE DAYTON 3UG01 WITH DAYTON 4PU48 THERMOSTAT.



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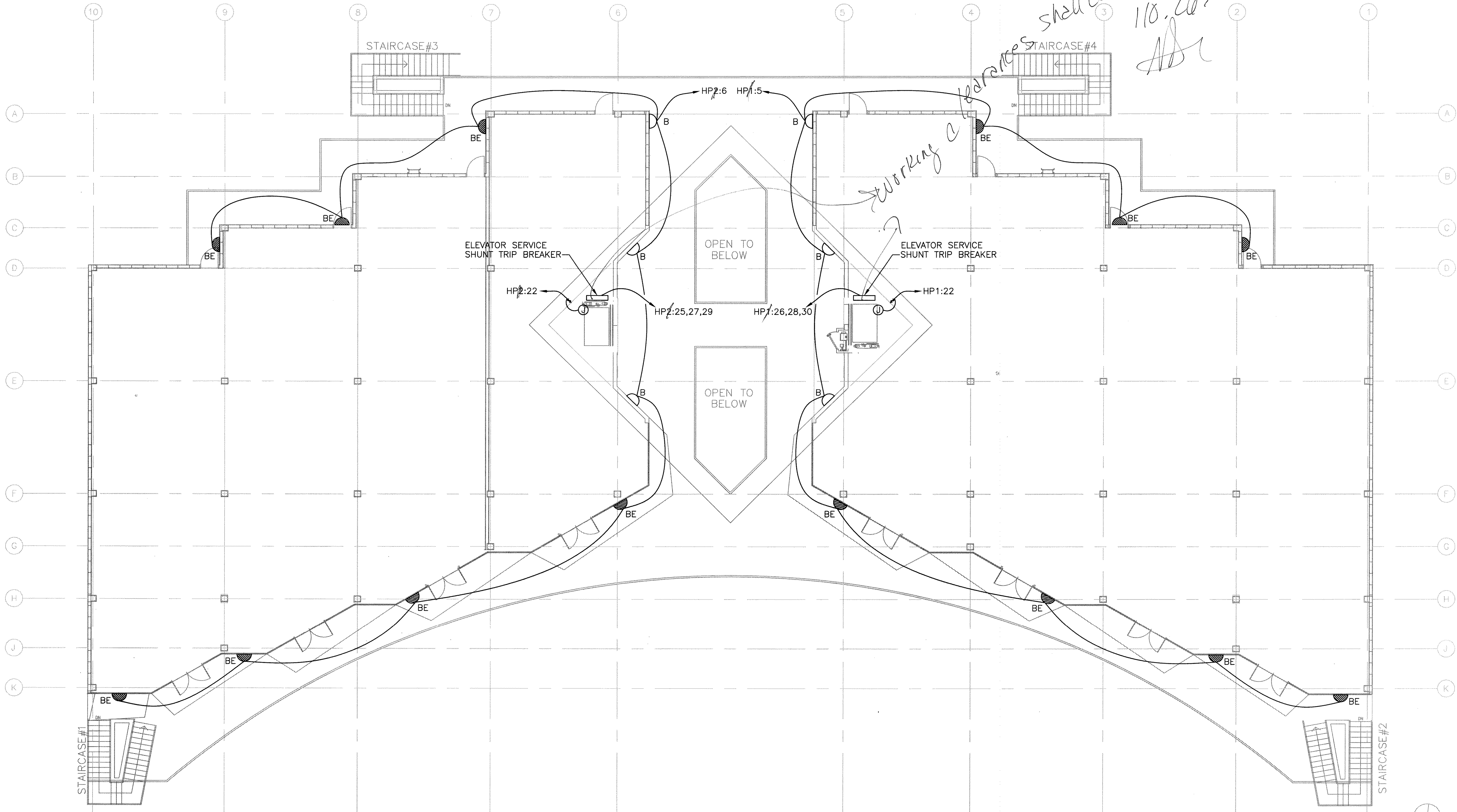
ISSUE DATE 1.10.2013
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SCALE AS SHOWN
REVISIONS

REVISION #1 - 04/01/13

PROJECT NAME
NORTH LOOP RETAIL CENTER
PROJECT ADDRESS
**1604 & STONE OAK
SAN ANTONIO, TX**
SHEET TITLE
ELECTRICAL FLOOR PLAN

SHEET NUMBER

E-2.0



1 ELECTRICAL 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

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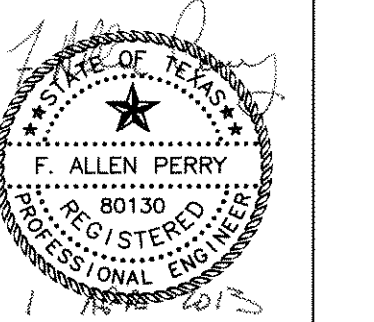
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CHECKED BY FAP

SCALE AS SHOWN

REVISIONS

REVISION #1 - 04/01/13



PROJECT NAME
NORTH LOOP RETAIL CENTER
PROJECT ADDRESS
1604 & STONE OAK
SAN ANTONIO, TX
SHEET TITLE
ELECTRICAL FLOOR PLAN
SHEET NUMBER

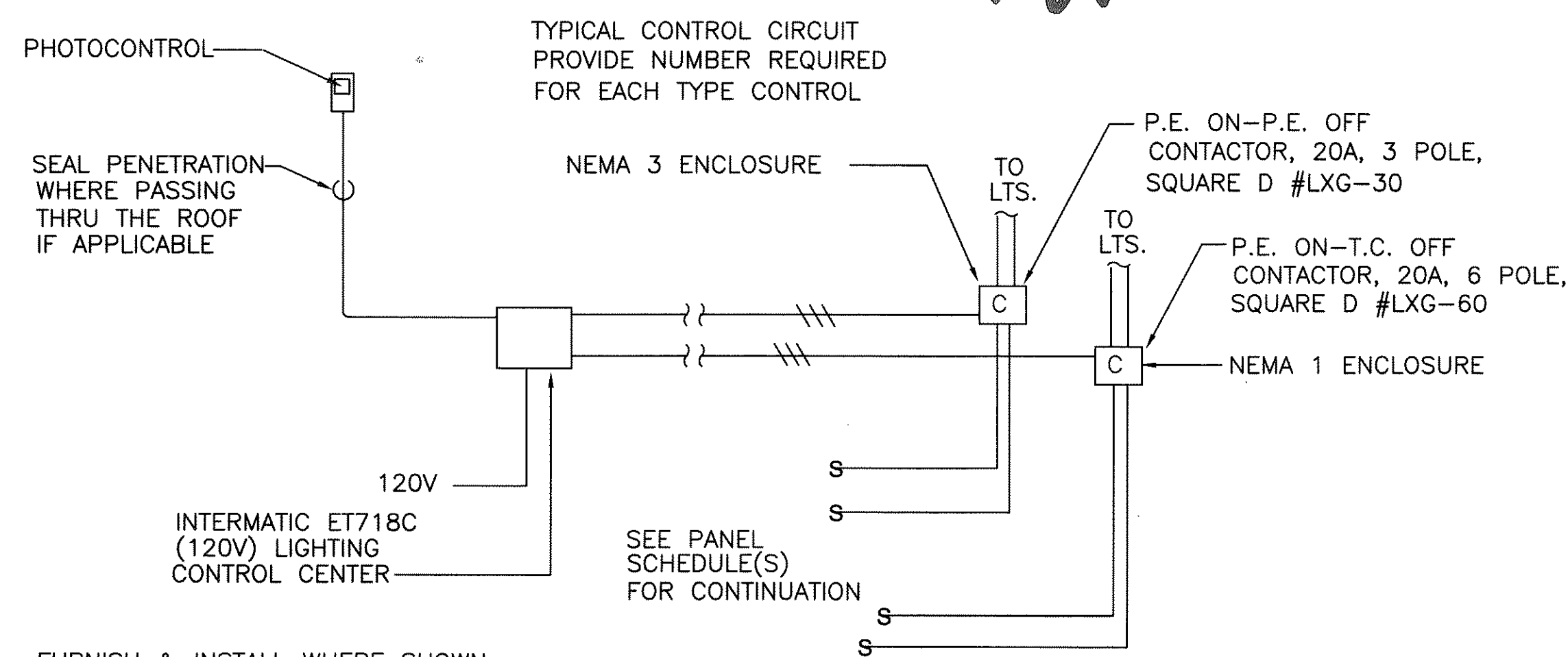
E-2.1

TYPE	MANUFACTURER AND CAT. NO.	LAMPS/FIXTURE			VOLT	MOUNTING	DESCRIPTION
		NO.	TYPE	WATTS			
A	LITHONIA VRR-50M-WP-120- LPI	1	MH	50	120	RECESSED	RECESSED METAL HALIDE FIXTURE WITH POLYCARBONITE LENS
B	LITHONIA WSQ-42TRT-WT-MVOLT- LPI	1	TRT	42	120	SURFACE	FULL CUT-OFF WALL MOUNTED COMPACT FLUORESCENT
BE	LITHONIA WSQ-42TRT-WT-MVOLT- ELDW-LPI	1	TRT	42	120	SURFACE	FULL CUT-OFF WALL MOUNTED COMPACT FLUORESCENT WITH BATTERY BACK-UP
C	GOTHAM AF-1/42TRT-6AR-PCL- MVOLT	1	TRT	26	120	RECESSED	RECESSED COMPACT FLUOR. WITH POLYCARBONITE LENS
CE	GOTHAM AF-1/42TRT-6AR-PCL- MVOLT-EL	1	TRT	26	120	RECESSED	RECESSED COMPACT FLUOR. WITH POLYCARBONITE LENS AND BATTERY BACK-UP
D	LITHONIA VRI-232-MVOLT- GEB10IS	1	T8	32	120	SURFACE	WET LOCATION FLUORESCENT
E	NOT USED						
F1	LITHONIA KAD-250M-R4-120- SPD04-LPI	1	MH	250	120	POLE	MH POLE FIXTURE ON 22FT SQUARE POLE - 1 HEAD
F2	LITHONIA KAD-250M-R4-120- SPD04-LPI	2	MH	250	120	POLE	MH POLE FIXTURE ON 22FT SQUARE POLE - 2 HEAD

ALL exterior lighting shall be fully cut off per MLOD ORDINANCE.

FAN/BOARD HP										VOLTAGE		120 / 208		BOB AMP		200 AMP		MAIN		200		MAIN BREAKER	
FEED FROM										MOTOR		R/C RATIO		SUFFER		MEMO		120/208 DLY		200		200	
MAIN SERVICE										LOCATION		SER. PLAN		SER. PLAN		SER. PLAN		SER. PLAN		SER. PLAN		SER. PLAN	
LOAD BREAKDOWN										LOAD BREAKDOWN		LOAD BREAKDOWN		LOAD BREAKDOWN		LOAD BREAKDOWN		LOAD BREAKDOWN		LOAD BREAKDOWN			
SERVING	NO.	LOAD	SIZE	SECT	HEAT	HVAC	MISC	KITCH	WIRE SIZE	POLE	AMP	POLE	AMP	POLE	AMP	POLE	AMP	POLE	AMP	POLE	AMP	POLE	AMP
FPS LIGHTING	1	1000	1000						201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
PS LIGHTING	1	1000	1000						201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
OS LIGHTING	1	1000	1000						201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
ELKS	1	1000	0				1500		201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
ELKS	1	1000	0				1500		201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
SPACE	1	10	0						201, 1000, 3" C	1	20	1	20	1	20	1	20	1	20	1	20	1	20
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	1	10	0																				

UDC Section 35-339.04.



FURNISH & INSTALL WHERE SHOWN
A PHOTO/TIME CONTROL, 7 DAY
ELECTRONIC TYPE WHICH SHALL
BE SUITABLE TO OPERATE
MECHANICALLY HELD CONTACTORS.

1 EXTERIOR LIGHTING CONTROL DETAIL

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE LATEST EDITION OF ALL LOCAL AMENDMENTS AND REGULATIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION AND THE STATE OF TEXAS, AND THE PUBLICATIONS AND STANDARDS OF THE RELATED SUPPLEMENTARY CONDITIONS, WHICH ARE REFERENCED IN ELECTRICAL SPECIFICATIONS BY THE ABBREVIATIONS NOTED:

UNITED STATES OF AMERICA STANDARDS INSTITUTE - USASI
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS -
IEEE

NATIONAL ELECTRICAL CODE - NEC
NATIONAL FIRE PROTECTION ASSOCIATION - NFPA
UNDERWRITER'S LABORATORIES - UL
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION - NEMA
CERTIFIED BALLAST MANUFACTURERS - CBM
AMERICAN SOCIETY OF TESTING MATERIALS - ASTM
OCCUPATIONAL SAFETY AND HEALTH ACT - OSHA

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PLANS AND THE SPECIFICATIONS, AND SHALL BE PERFORMED WITH THE LATEST INDUSTRY ACCEPTED STANDARDS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, AND MISALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD CONSTRUCTION PRACTICES. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT, OR OVER OR UNDER EQUIPMENT, DEBRIS, ETC. CONTRACTOR SHALL BE RESPONSIBLE OR REPAIR AND/OR REPLACEMENT IN KIND OF ALL INADVERTENT DAMAGE TO EXISTING SYSTEMS.

4. ALL NECESSARY PERMITS, LICENSES, CERTIFICATES, TESTS, ETC., SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
5. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION INSTALLATION DIMENSIONS. ALL CONDUIT ROUTING IS SHOWN IN APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF CONDITIONS, AND SHALL PERFORM FIELD MEASUREMENTS PRIOR TO FABRICATION AND/OR PURCHASE OF ANY EQUIPMENT AND MATERIAL. REFERENCE ALL DETAILS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS. DETAILS MAY NOT BE REFERENCED ON THE DRAWING(S), BUT ARE INTENDED TO BE TYPICAL THROUGHOUT UNLESS OTHERWISE NOTED.

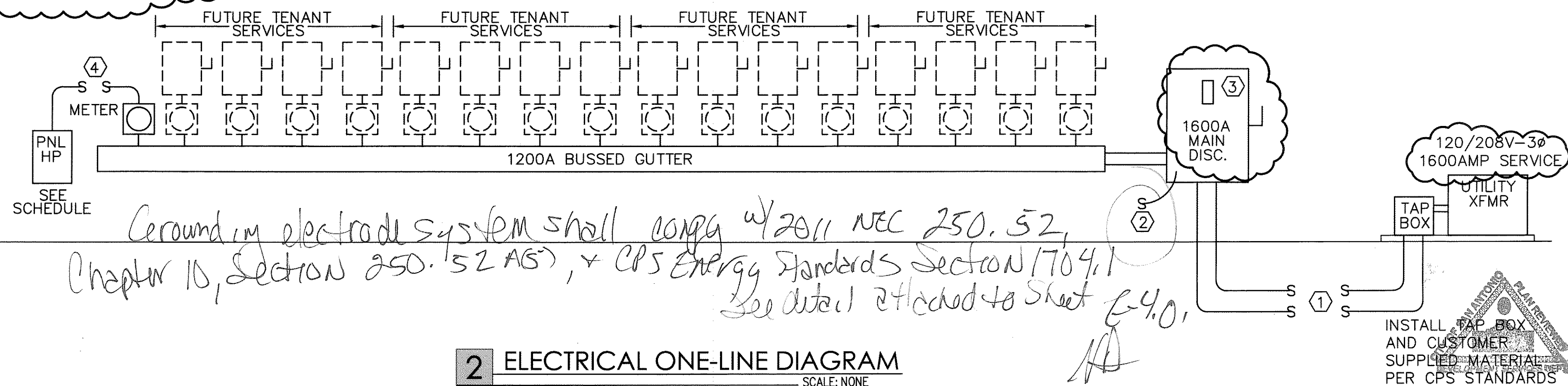
DO NOT BEGIN WORK IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED BETWEEN SYSTEMS, UTILITIES, OT BETWEEN EXISTING ELEMENTS SCHEDULED TO REMAIN AND NEW RENOVATIONS. UNTIL THE DISCREPANCIES OR CONFLICTS ARE BROUGHT TO THE ATTENTION OF THE OWNER'S CONSTRUCTION REPRESENTATIVE, AND/OR ENGINEER SHOULD ANY CONFLICTS OR AMBIGUITIES EXIST IN THE DRAWINGS, NOTES OR SPECIFICATIONS, BRING THOSE TO THE ATTENTION OF THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH WORK.

ONE-LINE KEYED NOTES:

- ① 6 SETS OF 4-400KCMIL(AL) EACH IN 4" C.
- ② 3/0 CU. GROUND TO BUILDING STRUCTURE, PAD REINF. OR GROUND ROD PER NEC 250.
- ③ 1600AMP ENCLOSED CIRCUIT BREAKER IN 1600 AMP NEMA 3R ENCLOSURE.
- ④ 4-4/0, 1#5G, 2 1/2" C.

FUTURE TENANT

- ① 6 SETS OF 4-400KCMIL(AL) EACH IN 4".
- ② 3/0 CU GROUND TO BUILDING STRUCTURE, PAD REINF. OR GROUND ROD PER NEC 250.
- ③ 1600AMP ENCLOSED CIRCUIT BREAKER IN 1600 AMP NEMA 3R ENCLOSURE.
- ④ 4-4/0, 1#5G, 2 1/2".



INSTALL TAP BOX
AND CUSTOMER
SUPPLIED MATERIAL
PER CPS STANDARDS

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENSURING FULL COORDINATION WITH ALL TRADES TO ACCOMPLISH THE WORK AS INDICATED AND NOTED IN CONTRACT DOCUMENTS, COORDINATE WITH OWNER'S REPRESENTATIVE, AND MAINTAIN A SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES SO ANY AND ALL CHANGES BETWEEN THE DRAWINGS AND THE ACTUAL CONSTRUCTION CAN BE NOTED. CONFLICTS ARISING DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY, AND AT THE EXPENSE, OF THE CONTRACTOR. FINAL AS-BUILT DRAWINGS ARE TO BE DELIVERED TO THE OWNER/ENGINEER AND THE FINAL INVOICE FOR THE CONTRACT WILL NOT BE PAID UNTIL THESE AS-BUILT DRAWINGS ARE RECEIVED.
7. WORK AREAS ARE TO BE KEPT FREE OF DEBRIS AT ALL TIMES AND ARE TO BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY. THE CONTRACTOR SHALL DISPOSE OF OFF-SITE, ALL MATERIALS REMOVED WHICH ARE NOT TO BE REINSTALLED OR SLAVAGED ON THE PROJECT, UNLESS DIRECTED OTHERWISE BY OWNER. DISPOSAL OF MATERIALS SHALL BE IN ACCORDANCE WITH ACCEPTABLE METHODS APPROVED BY OWNER AND COORDINATED THROUGH OWNER'S COORDINATOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT AND MANPOWER FOR HOISTING AND RIGGING ALL MATERIALS FURNISHED UNDER THE SCOPE OF WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE RATING OF ALL PENETRATIONS THROUGH FIRE AND SMOKE RATED SURFACES. THE CONTRACTOR SHALL COMPLY WITH THE UL LISTING INSTRUCTIONS FOR PENETRATIONS THROUGH RATED SURFACES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING OF HIS EMPLOYEES AND SUBCONTRACTORS IN THE RECOGNITION AND AVOIDANCE OF UNSAFE CONDITIONS, AND IN THE REGULATIONS AND HAZARDS WHICH APPLY TO THE AREA IN WHICH THE WORK WILL TAKE PLACE. ALL SAFETY EXPOSURES TO VIOLATIONS BROUGHT TO THE ATTENTION OF THE CONTRACTOR SHALL BE RECTIFIED IMMEDIATELY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROTECTION OF PERSONS AND PROPERTY, AND FOR PROVIDING SAFE WORKING CONDITIONS THROUGHOUT THE WORK PROCESS. CONTRACTOR SHALL PROVIDE TEMPORARY COVERINGS FOR OPENING THROUGH WALLS OR FLOORS, AND PROVIDE TEMPORARY BARRIERS, PARTITIONS AND/OR DUST BARRIERS WHERE REQUIRED TO MAINTAIN OSHA AND THE OWNER'S SAFETY STANDARDS AND TO PREVENT DAMAGE TO PROPERTY. ALL AREAS ADJACENT TO THE CONSTRUCTION AREA OR AFFECTED BY THE CONSTRUCTION MUST BE PROTECTED FROM DAMAGE. CLEANED AND RESTORED TO THEIR ORIGINAL DAMAGE, CLEANED AND RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE PROJECT. WELDING BLANKETS SHALL BE UTILIZED FOR PROTECTION OF COMBUSTIBLE MATERIALS IN AREAS WHERE WELDING OR CUTTING WITH A TORCH IS CONDUCTED.
12. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTIVE
13. ALL PROPOSED EQUIPMENT INSTALLED ON THE PROJECT SHALL BE NEW AND UNUSED UNLESS NOTED OTHERWISE. ALL EQUIPMENT SHALL BE LABELED AND LISTED FOR THE INTENDED USE. THE EQUIPMENT SHALL BE LABELED AND LISTED FOR THE INTENDED USE. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL LABELS, DIRT, PAINT SPOTS, GREASE AND STAINS FROM ALL ELECTRICAL EQUIPMENT AND SHALL CLEAN ALL EQUIPMENT AS NECESSARY. NO LOOSE PARTS OR SCRAPS OF EQUIPMENT SHALL BE LEFT ON THE PREMISES. EQUIPMENT LOCATION AND ROUTING IS APPROXIMATE AND SHALL BE REPLACED TO PROVIDE PROPER ACCESS AND CLEARANCE FROM OTHER TRADES AND EQUIPMENT.
14. ALL WIRING SHALL BE THWN/THHN, 98% CONDUCTIVITY, STRANDED COPPER, CONDUCTORS, 600V INSULATION. ALL WIRING SHALL BE INSTALLED ON CONDUIT AND CONDITIONED (WITHOUT SPLICES).
15. A GREEN GROUND CONDUCTOR SHALL BE PROVIDED WITH ALL BRANCH AND FEEDER CIRCUITS. SIZE PER N.E.C. 250 UNLESS NOTED OTHERWISE. ALSO PROVIDE A SEPARATE DEDICATED NEUTRAL WIRE FOR ALL CIRCUITS. UPON COMPLETION OF THE WORK, ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE TESTED AND PROVED TO BE FREE OF UNWANTED GROUNDS AND OTHER DEFECTS. FINAL TESTS SHALL BE ACCOMPLISHED BY USE OF MEGGAR.
16. ALL CONDUIT SHALL BE EMT WITH STEEL COMPRESSION TYPE FITTINGS UNLESS NOTED OTHERWISE. MOUNT THE CONDUIT AS HIGH AS POSSIBLE AND RUN PARALLEL AND PERPENDICULAR TO STRUCTURES.
17. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TAGGED LABELED PULL WIRES IN ALL EMPTY RACEWAYS. USE NO. 14 AWG ZINC COATED STEEL OR BRAIDED LINE HAVING NOT LESS THAN 200-LB TENSILE STRENGTH.
18. DUCT BANK CONDUIT SHALL BE RIGID SCHEDULE 40 OR 80 GRAY PVC.
19. CHANNEL AND ANGLE SUPPORT SYSTEMS, HANGERS, ANCHORS, SLEEVES, AND FASTENERS SHALL BE DESIGNED TO PROVIDE SECURE SUPPORTS FROM THE BUILDING STRUCTURE FOR ELECTRICAL COMPONENTS. SUPPORTING DEVICES SHALL BE HOT DIPPED GALVANIZED STEEL. CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SELECTING SUPPORTS THE STRENGTH OF SUPPORTS SHALL BE ADEQUATE TO CARRY ALL PRESENT AND FUTURE LOADS TIMES A SAFETY FACTOR OF AT LEAST FOUR; 200-LB MINIMUM DESIGN LOAD. SUPPORT PARALLEL RUNS OF HORIZONTAL RACEWAYS TOGETHER ON TRAPEZE OR BRACKET TYPE HANGERS.
20. PULL BOXES SHALL BE GALVANIZED SHEET METAL WITH SCREW ON COVER AND WELDED SEAMS, FULLY HINGED ON ONE SIDE, WITH ALL STAINLESS STEEL NUTS, BOLTS, WASHERS, HARDWARE, ETC. BOXES SHALL BE SIZED IN ACCORDANCE WITH THE NEC.
21. ALL PANEL BOARDS SHALL BE MOUNTED TO KINDORF CHANNEL FRAMING INDEPENDENT OF BUILDING STRUCTURE.

LOAD ANALYSIS		
TENANT LIGHTING	28,567 SF x 3 x 1.25	=107.2kw
TENANT CONV. POWER	35kw - 10kw = 25kw x .5	= 12.5kw
AC		= 100kw
ELEC. HEAT	300KW x .65	= 195kw
ELEVATORS		= 43.8kw
MISC. LOADS		= 10kw
	TOTAL	479kw
	TOTAL LOAD @ 208V/3ø	= 1329 AMPS
	SERVICE SIZE	= 1600 AMPS

1. LIGHTING IS AT MAX ALLOWED BY COMCHECK FOR RETAIL.
2. HEAT IS AT 65% OF TOTAL FOR HEAT PUMP APPLICATION.

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REVISION #6 05/20/13

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1120

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MAIL	OA TX
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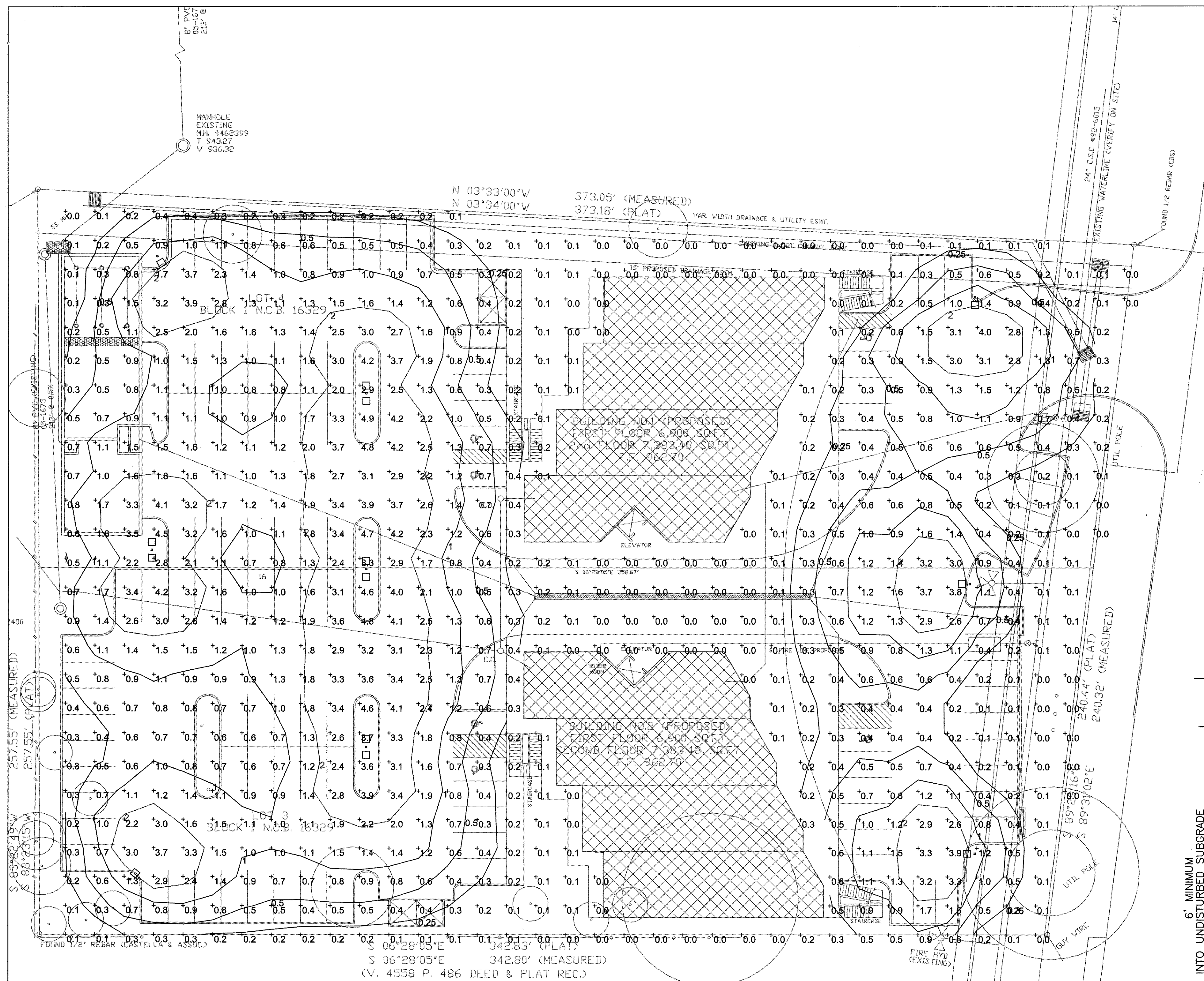
PLANT

HL	10	SA	TRI
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PROJECT NO. _____

SHEET NUMBER

E-3.0

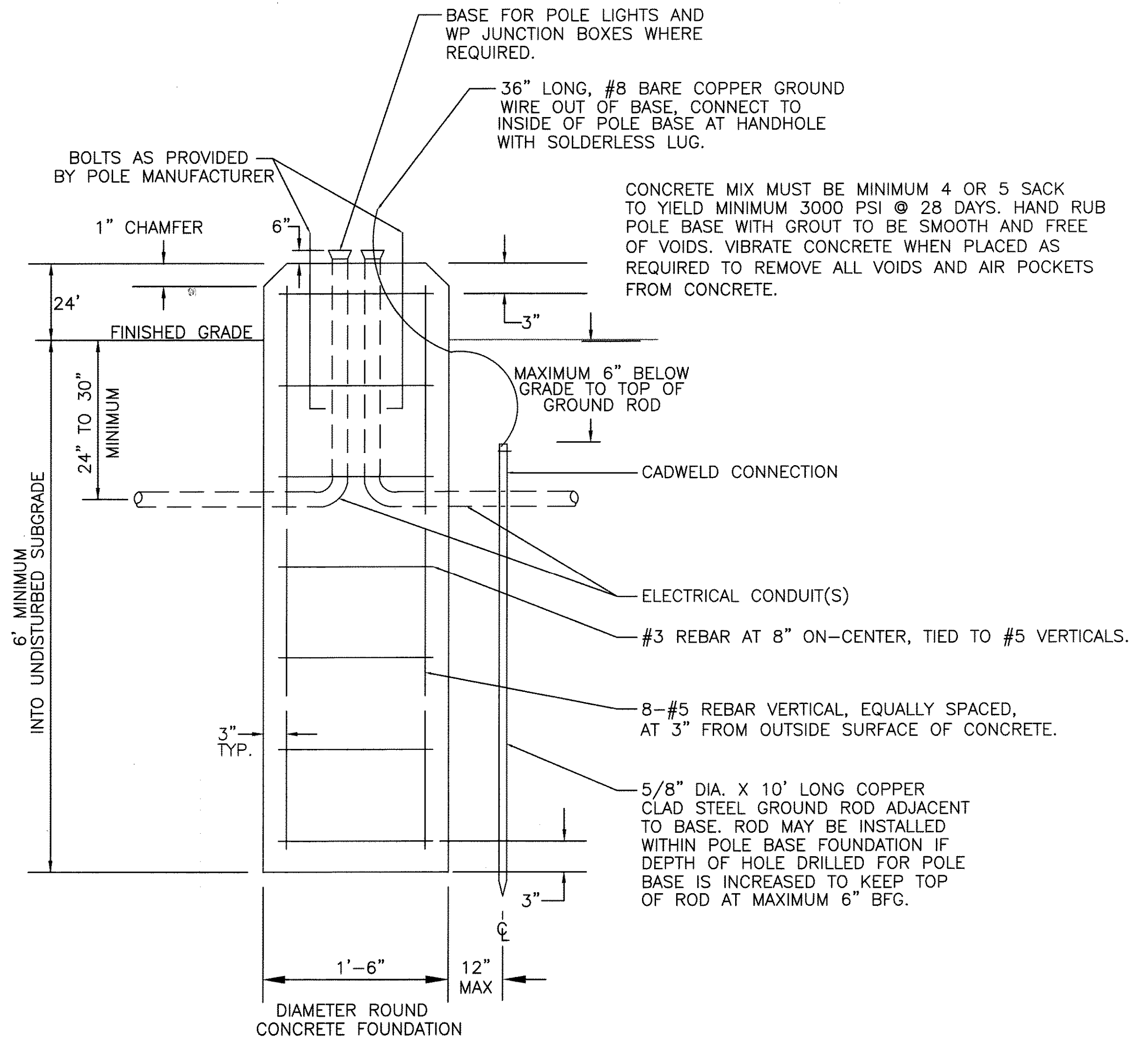


1 SITE PHOTOMETRICS

SCALE: 1" = 20'-0"

All exterior lighting shall be full cut-off per MLOD Ordinance- UDC Section 35-339.04,

AA



2 POLE BASE MOUNTING DETAIL

SCALE: NONE

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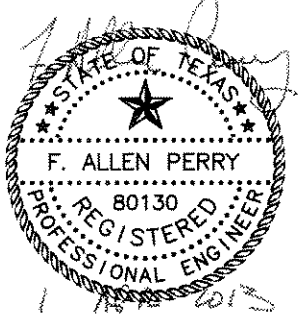
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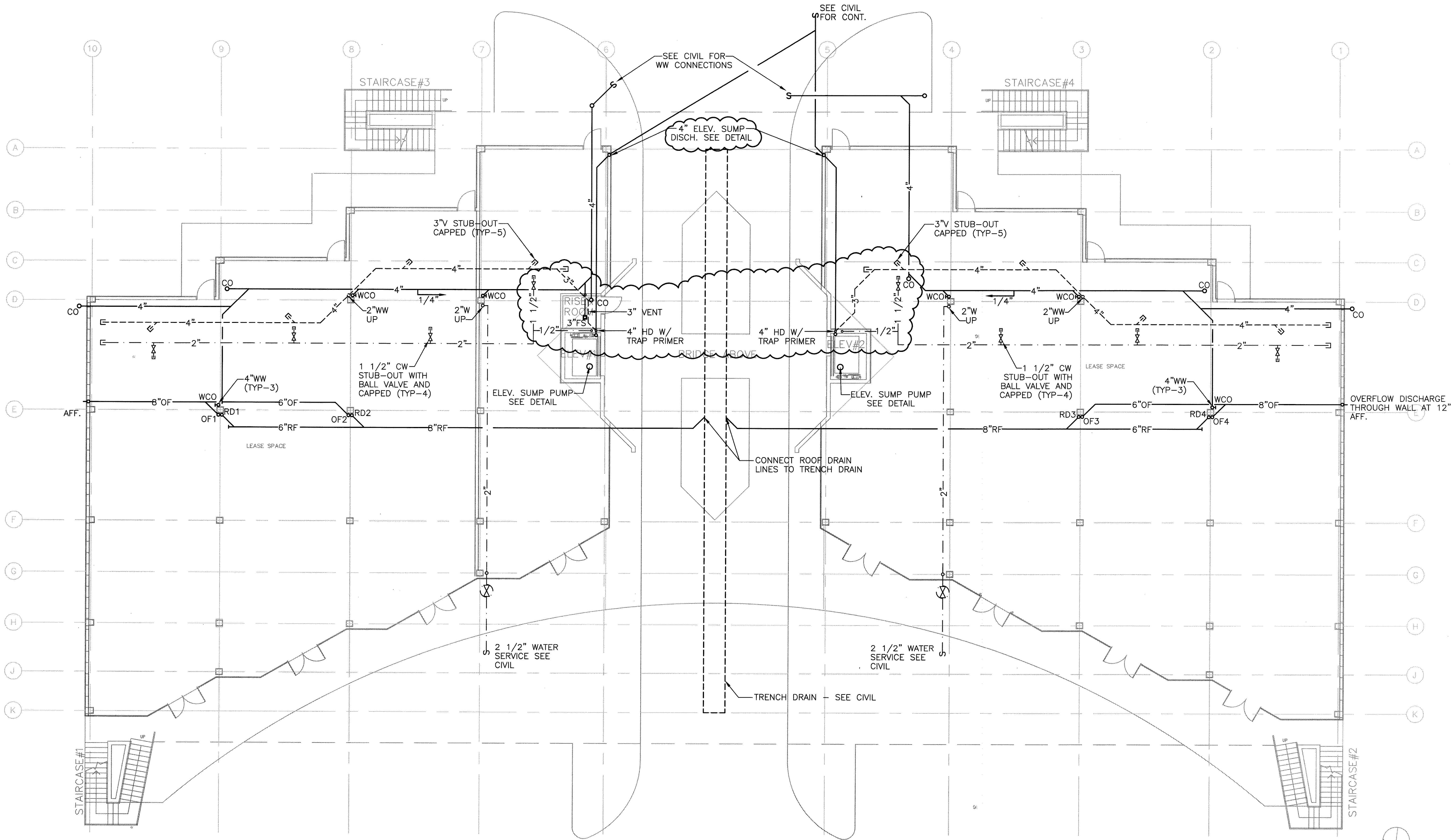
ISSUE DATE 1.10.2013
DRAWN BY JMP
CHECKED BY FAP
SCALE AS SHOWN
REVISIONS
REVISION #1 - 04/01/13



PROJECT NAME
NORTH LOOP RETAIL CENTER
PROJECT ADDRESS
1604 & STONE OAK
SAN ANTONIO, TX
SHEET TITLE
PHOTOMETRIC
SHEET NUMBER

E-4.0





1 PLUMBING 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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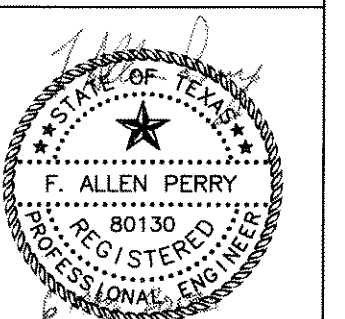
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REVISION #2 - 04/25/13

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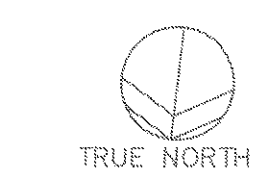
PROJECT NAME
NORTH LOOP RETAIL CENTER

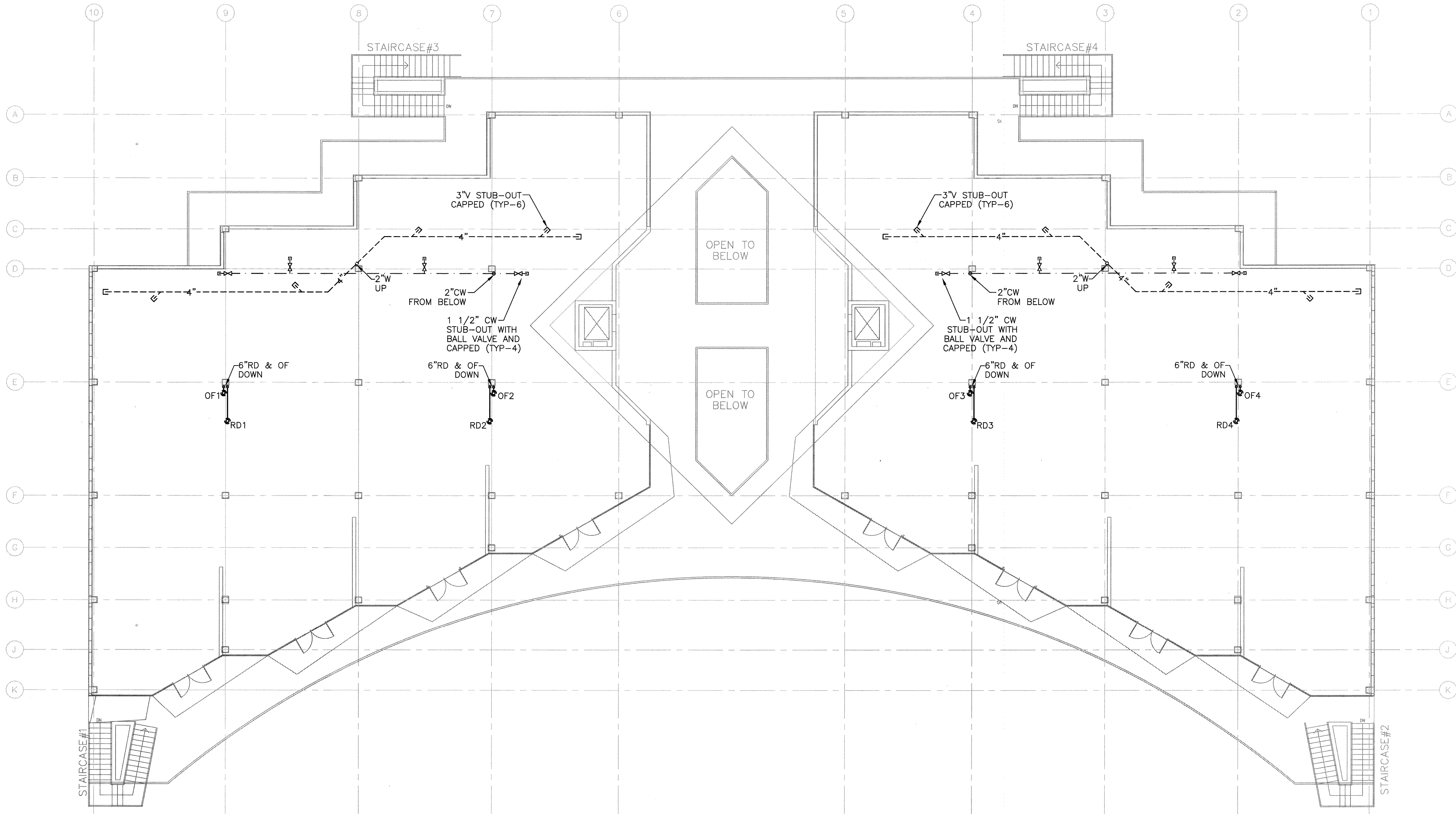
PROJECT ADDRESS
**1604 & STONE OAK
SAN ANTONIO, TX**

SHEET TITLE
PLUMBING FLOOR PLAN

SHEET NUMBER

P-2.0





1 PLUMBING 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"



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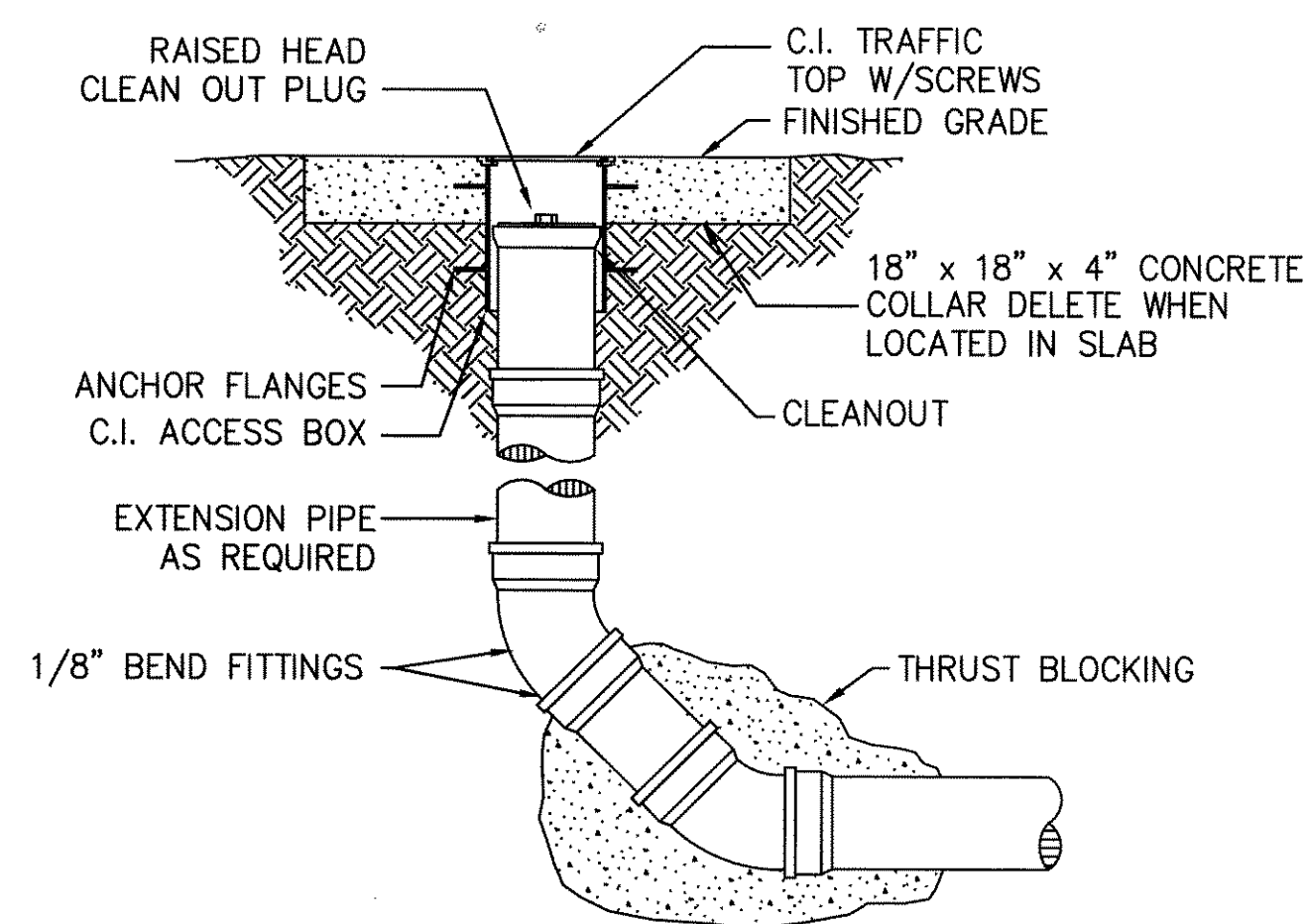
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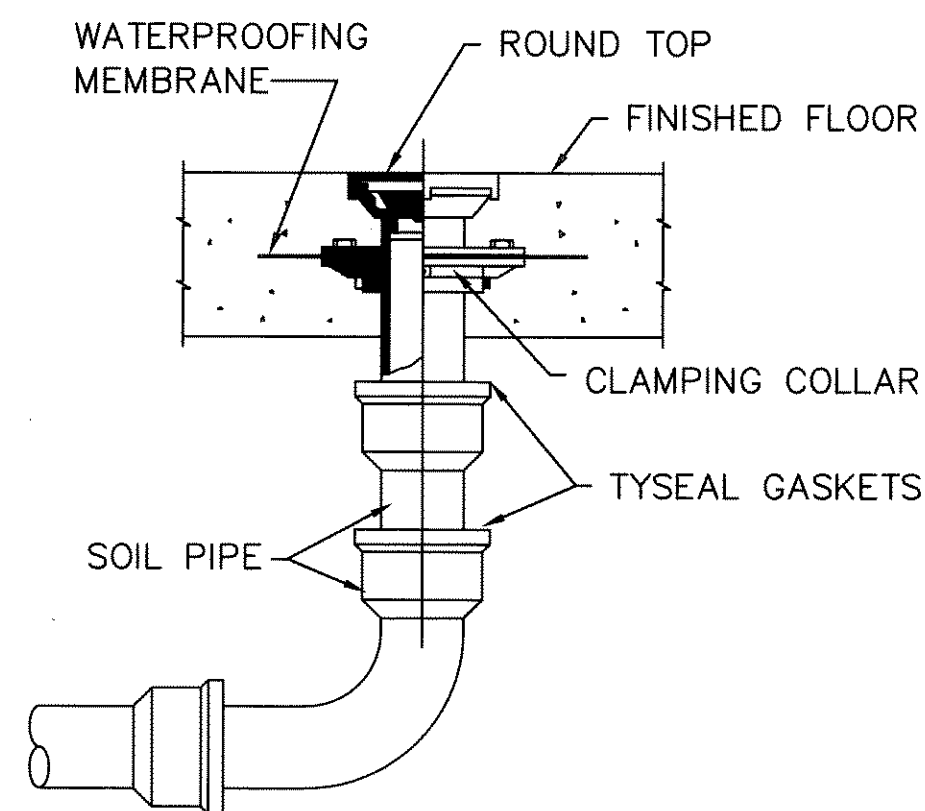
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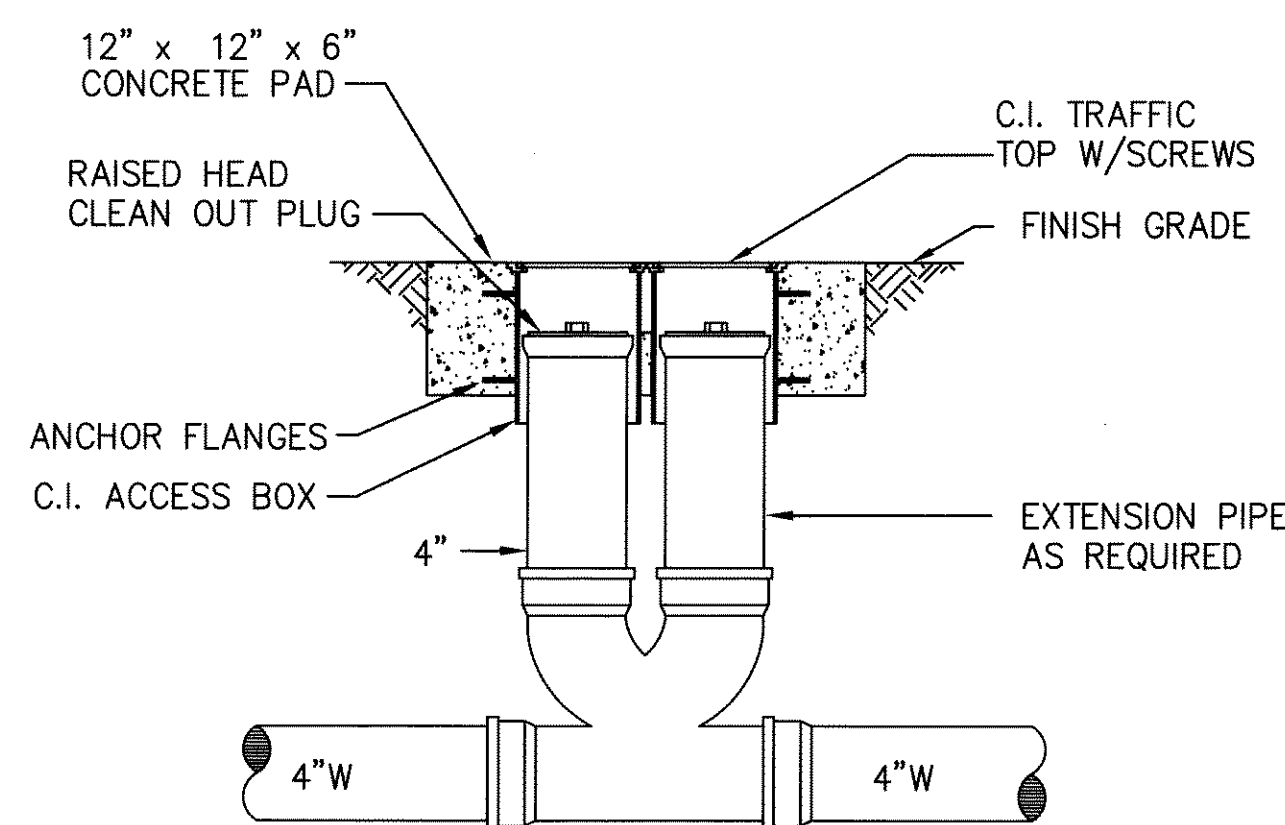
ISSUE DATE	1.10.2013
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REVISIONS	
<i>J. Allen Perry</i> 10 Jan 2013	
PROJECT NAME	NORTH LOOP RETAIL CENTER
PROJECT ADDRESS	1604 & STONE OAK SAN ANTONIO, TX
SHEET TITLE	PLUMBING FLOOR PLAN
SHEET NUMBER	P-2.1



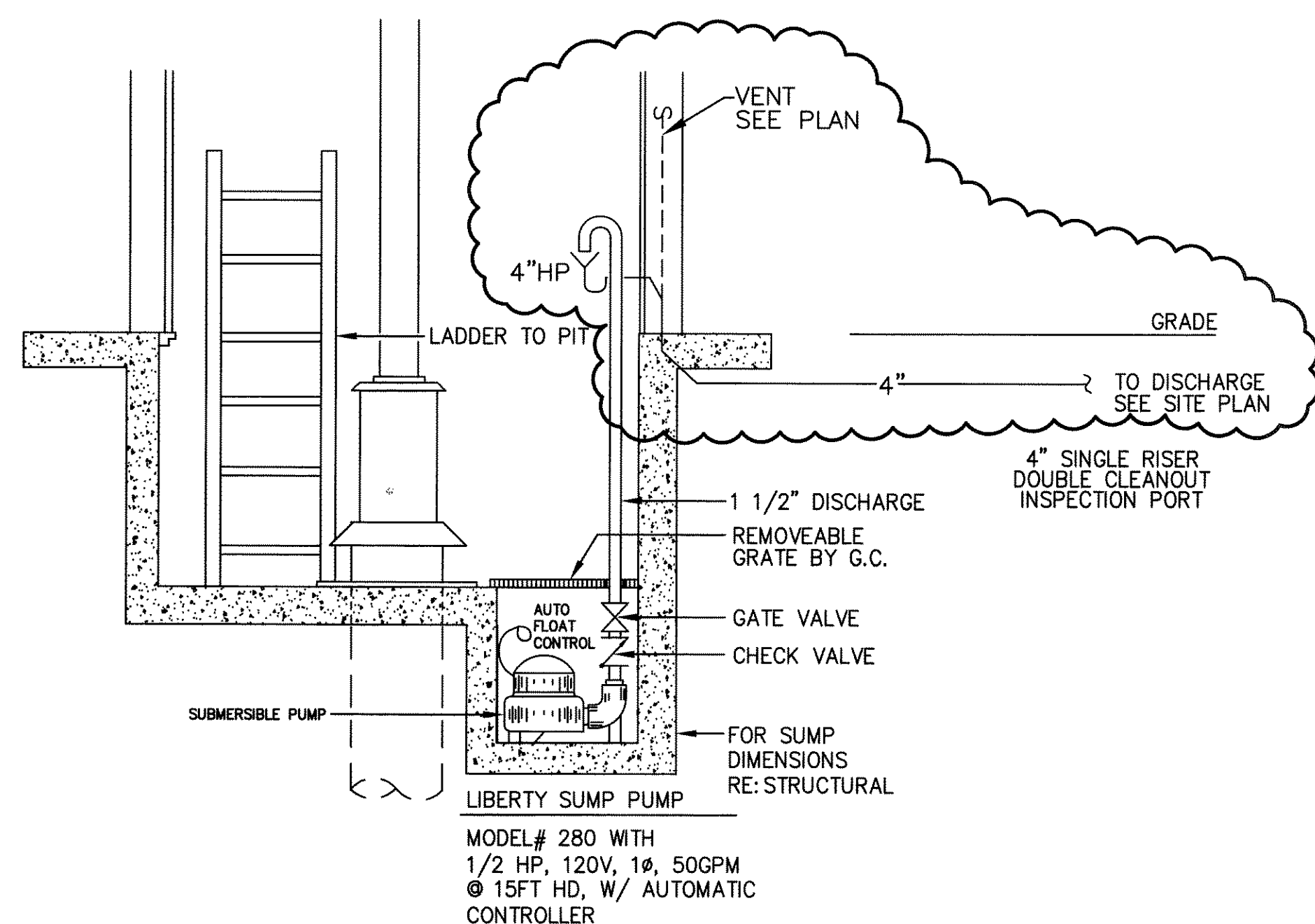
1 EXTERIOR CLEANOUT DETAIL
SCALE: NONE



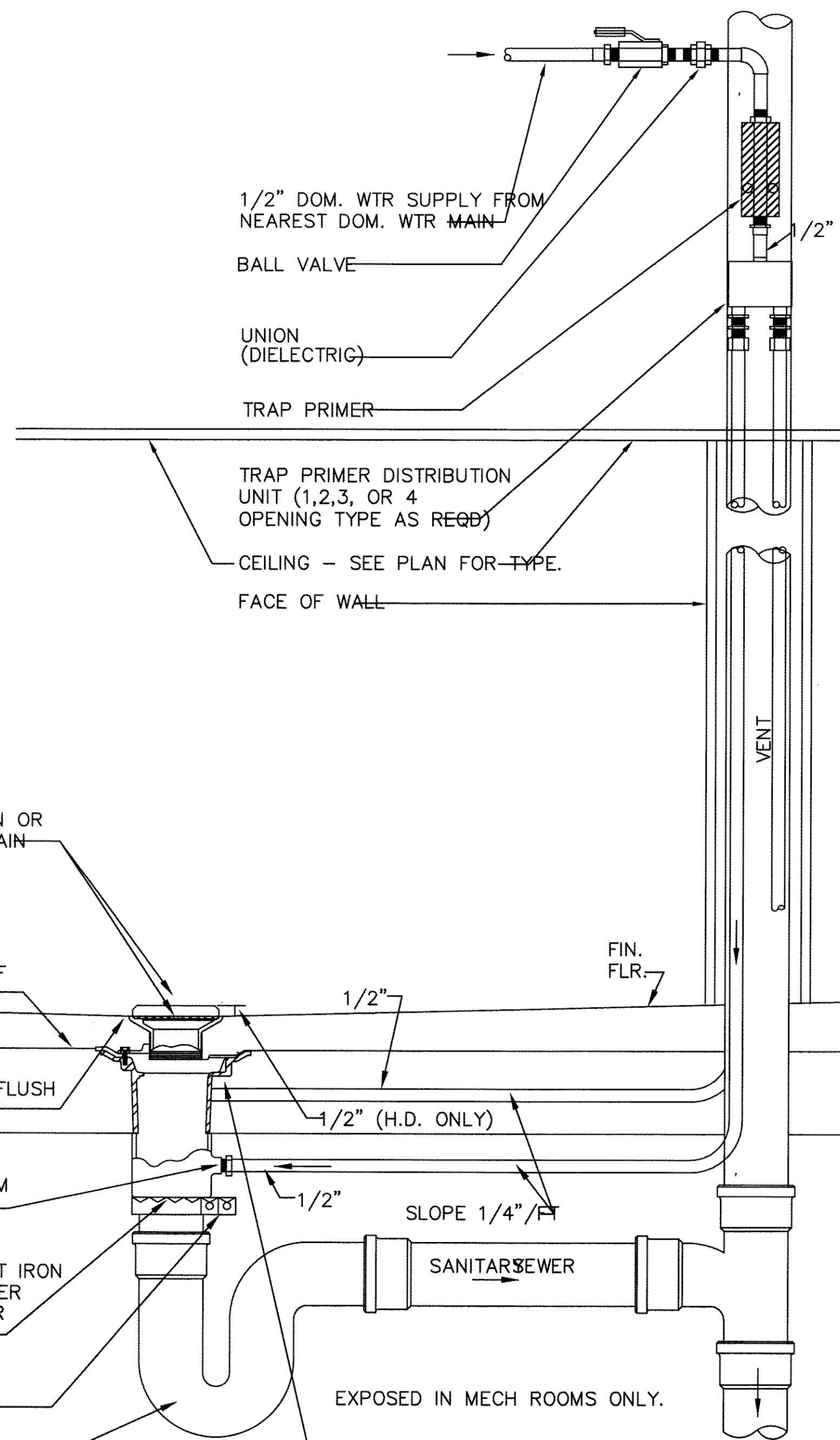
2 FLOOR CLEAN OUT DETAIL
SCALE: NONE



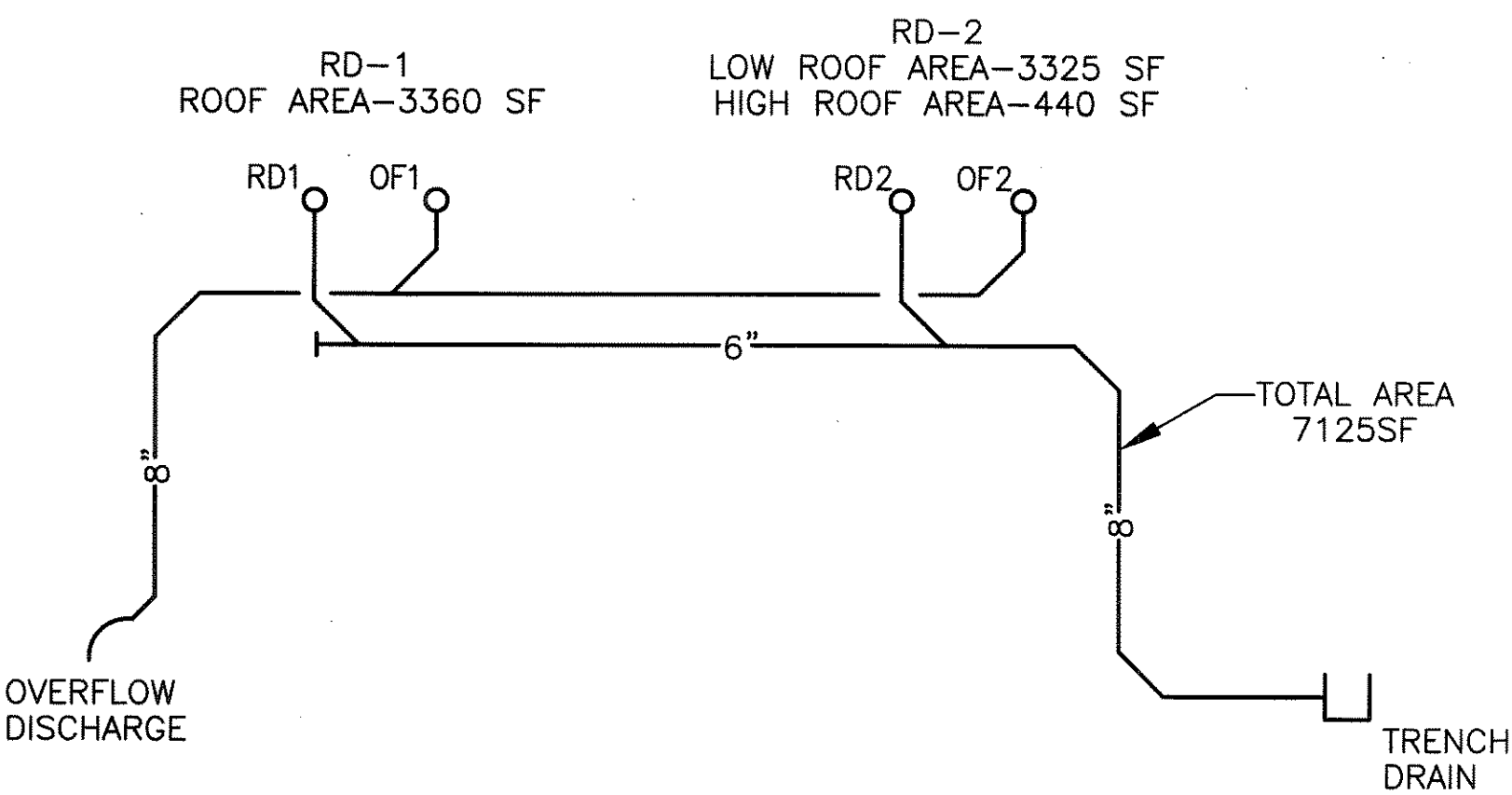
3 DOUBLE CLEAN OUT DETAIL
SCALE: NONE



4 ELEVATOR SUMP DETAIL
SCALE: NONE

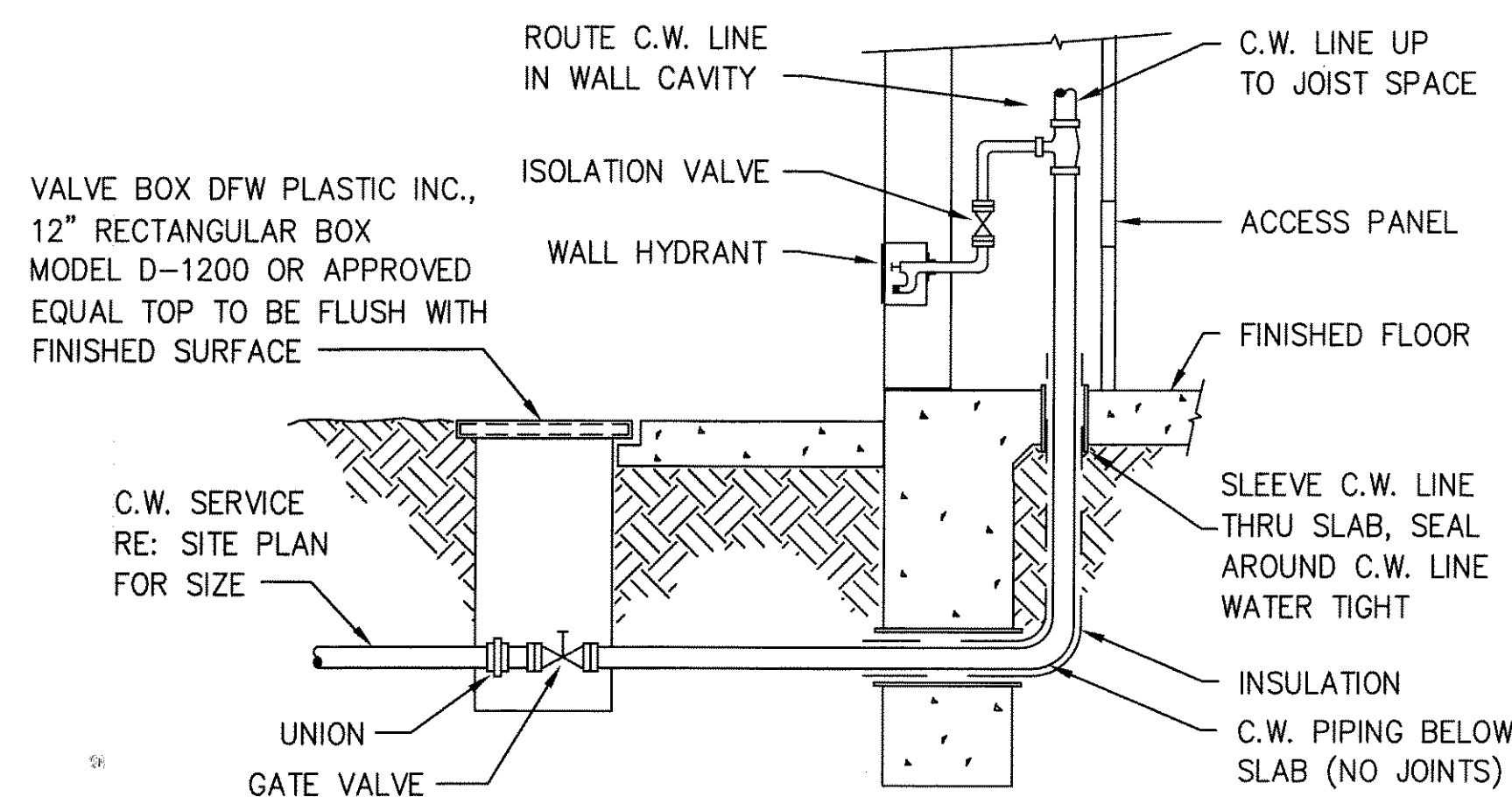


6 TYPICAL TRAP PRIMER DETAIL
SCALE: NONE



5 ROOF DRAIN RISER
(RD3/RD4 RISER OPPOSITE HAND)
SCALE: NONE

AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
CLD	CLOTHES DRYER	NTS	NOT TO SCALE
CLW	CLOTHES WASHER	NO.	NUMBER
CO	CLEANOUT	PH	PHASE
CW	COLD WATER	PLBG	PLUMBING
DIA	DIAMETER	SK	SINK
DCO	DOUBLE CLEAN OUT	TYP	TYPICAL
DN	DOWN	UR	URINAL
DWG	DRAWING	V	VENT (PLUMBING)
EWC	ELECTRIC WATER COOLER	VTR	VENT THROUGH ROOF
FCO	FLOOR CLEAN OUT	W/	WITH
FD	FLOOR DRAIN	WC	WATER CLOSET
HD	HUB DRAIN	WCO	WALL CLEANOUT
HP	HORSEPOWER	WH	WATER HEATER
HT	HEIGHT	YCO	YARD CLEANOUT
HW	HOT WATER		
LAV	LAVATORY		



7 DOMESTIC WATER ENTRY DETAIL
SCALE: NONE

PLUMBING GENERAL NOTES

1. THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO BID TO FAMILIARIZE HIMSELF WITH ALL CONDITIONS AS THEY EXIST. SUBMISSION OF BID INDICATES THE CONTRACTOR'S UNDERSTANDING OF EXISTING CONDITIONS AND HIS WILLINGNESS TO WORK WITH THESE CONDITIONS. NO ADDITIONAL TIME OR MONEY WILL BE ALLOTTED DUE TO LACK OF COORDINATION WITH EXISTING CONDITIONS OR OTHER TRADES.
2. ALL WORK SHALL COMPLY WITH THE APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. FOLLOW RECOMMENDED PRACTICES AS SET DOWN BY ASME, SMACNA, ASHRAE, NFPA, INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, 2000 UNIFORM PLUMBING CODE, NATIONAL ELECTRICAL CODE, AGA AND OSHA, AS THEY APPLY TO THIS PROJECT, EXCEPT IN CASES WHERE STATUTES GOVERN.
3. ALL CONTRACTORS SHALL COORDINATE THROUGH THE PROJECT CONSTRUCTION SUPERVISOR.
4. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT AND QUANTITY OF ALL FIXTURES.
5. BEFORE STARTING WORK, VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL PIPING AND EQUIPMENT REQUIRING PLUMBING CONNECTIONS.
6. COORDINATE ALL PLUMBING WORK WITH ALL OTHER WORK TO AVOID CONFLICT. RUN ALL PIPING TO AVOID ARCHITECTURAL OPENINGS, STRUCTURAL MEMBERS, DUCTS OR OTHER OBSTRUCTIONS. OFFSET PLUMBING PIPING WHERE REQUIRED.
7. COMBINE ALL VERTICAL VENTS WHERE PRACTICAL.
8. INSTALL CLEANOUTS IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND LOCAL CODE REQUIREMENTS.
9. RUN ALL CW AND HW LINES ABOVE CEILING UNLESS NOTED OTHERWISE.
10. PLUMBING CONTRACTOR SHALL MOUNT ALL FIXTURE HEIGHTS ACCORDING TO THE STATE OF TEXAS ADA REQUIREMENTS, ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
11. ALL SANITARY SEWER AND VENTS SHALL BE SCHEDULE 40 PVC.
12. ALL DOMESTIC HW AND CW SHALL BE RIGID COPPER.
13. INSULATE ALL PIPING WITH MIN. 1" FIBERGLASS PRE-FORMER PIPE INSULATION WITH ALL SERVICE JACKET. INSULATE ELBOWS WITH FORMED FITTING COVERS. CW PIPING SHALL HAVE VAPOR BARRIER TROUGH-OUT. INCREASE SIZE OF HW INSULATION TO COVER "WARM TRACE" CABLE AS REQUIRED. INSTALLATION SHALL MEET IECC 2005 REQUIREMENTS.
14. HOSE BIBBS SHALL BE WOODFORD MODEL B67 OR APPROVED EQUAL.

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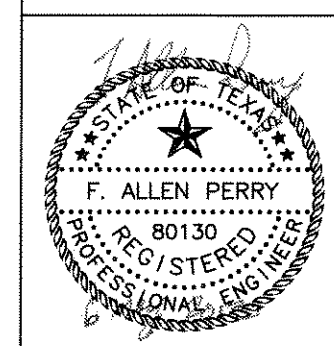
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REVISION #1 - 04/01/13

REVISION #2 - 04/25/13

REVISION #3 - 05/06/13



PROJECT NAME
NORTH LOOP RETAIL CENTER

PROJECT ADDRESS
**1604 & STONE OAK
SAN ANTONIO, TX**

SHEET TITLE
PLUMBING FLOOR PLAN

SHEET NUMBER

P-3.0

