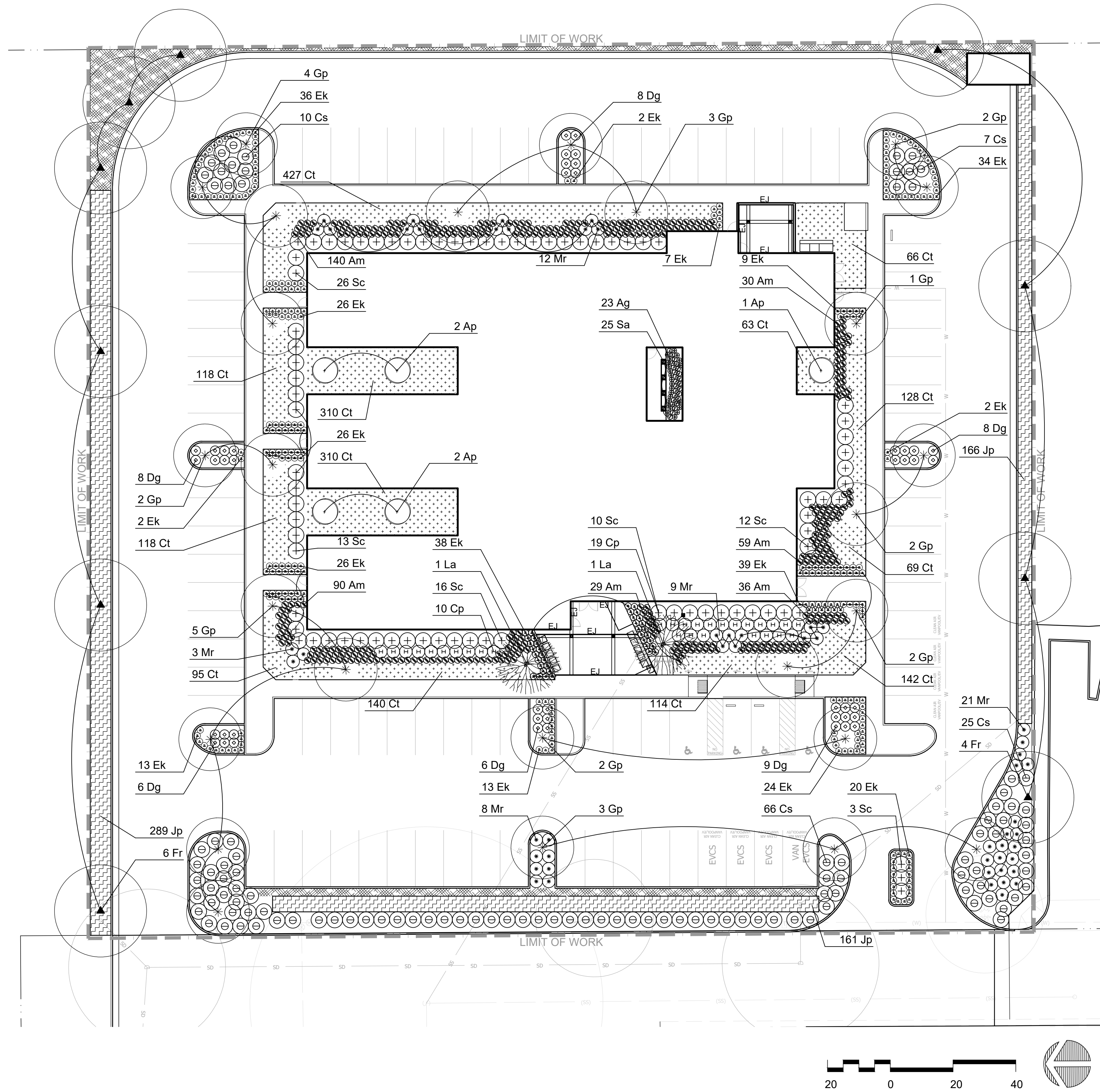


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No.	Revisions	By	Date



## PLANT LEGEND

WUC	CODE	BOTANICAL NAME	COMMON NAME	SIZE & SPACING	CHARACTER
Trees					
M	Ap	Acer palmatum 'Bloodgood'	Bloodgood Japanese Maple	24" Box	specimen, deep red foliage
M	Fr	Fraxinus uhdei 'Orange County'	Evergreen Ash	15 Gal.	semi-deciduous, 45'wide
M	Gp	Geijera parviflora	Australian Willow	15 Gal.	evergreen, 25'x25'
L	La	Lagerstroemia x 'Tuscarora'	Tuscarora Crape Myrtle	24" Box	deciduous, red flowers, 22'x18'
Shrubs					
L	Am	Achillea millefolium 'Paprika'	Paprika Yarrow	1 Gal. at 2' o.c.	2 ft tall by 2 ft wide, red flowers
L	Cp	Cistus x pulverulentus 'Sunset'	Sunset Rockrose	5 Gal. at 4' o.c.	2 ft in by 4 ft wide
L	Cs	Cistus salvifolius	Sageleaf Rockrose	5 Gal. at 5' o.c.	18 in by 5 ft wide
L	Dg	Dietes grandiflora	Fortnight Lily	1 Gal.	4 ft tall by 3' wide
L	Ek	Erigeron karvinskianus	Mexican Daisy	1 Gal. at 2' o.c.	18 in tall by 2'ft wide
L	Sc	Salvia clevelandii 'Winifred Gilman'	Winifred Gilman Sage	5 Gal. at 4' o.c.	3-5 ft tall and 4-5 ft wide
Grasses					
L	Ct	Carex tumulicola	Foothill Sedge	1 Gal. at 18" o.c.	12 in tall by 18 in wide
L	Mr	Muhlenbergia rigens	Deer Grass	1 Gal. at 4' o.c.	4 ft tall by 4 ft wide
Bioretention Planting					
L	Jp	Juncus patens "Elk Blue"	Elk Blue California Gray Rush	1 Gal at 30" o.c.	2' tall by 30" wide
Interior Planting					
	Ag	Aglaonema 'Red Emerald'	Red Emerald Aglaonema	1 Gal.	
	Sa	Sansevieria 'Bantel's Sensation'	'Bantel's Sensation' Snake Plant	1 Gal.	

Mulch: See Specs.

## GENERAL NOTES

- Landscape Architect to approve plant material BEFORE plant layout commences.
- Landscape Architect to approve layout of all plants BEFORE planting commences.
- Apply pre-emergent herbicide to all planting areas, excluding naturalized hydroseed areas/ See Specifications.
- Apply post-emergent herbicide to all naturalized hydroseed areas. See Specifications.
- Prepare, amend, and fertilize existing soil per Specifications. Import topsoil per Specifications.
- Install weed mat under river rock, gravel, and mulch-only areas. See Specifications. See
- Install weed mat in all planting areas. See Specifications. See
- Install header board / edge restraint per detail. See Specifications.
- Install root barrier panels at trees planted within 5' of foundations, walls, and curbs, and in all planters in paved areas. See Specifications. See
- Pre-mix amendments into soil before backfilling plant pits - do not mix inside pits. Break large clods into small pieces. See Specifications.
- Plant shrubs and groundcovers per detail . See Spacing Diagram.
- Plant and stake trees per detail
- Install mulch to all planting areas. See Specifications for thickness.
- Install windscreen at all trees. See Specifications. See
- Install vine mounting per detail
- Apply deer repellent to all plants. See Specifications.
- See Specifications for Maintenance Period.

## MWELO COMPLIANCE STATEMENT

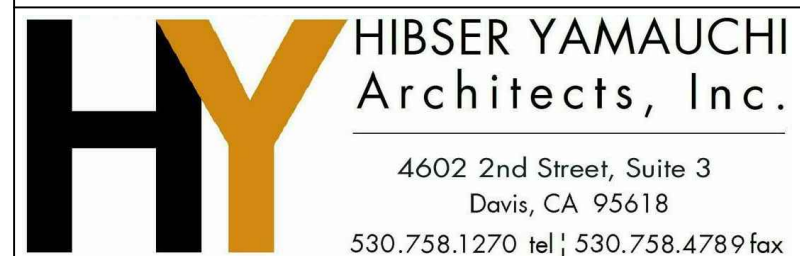
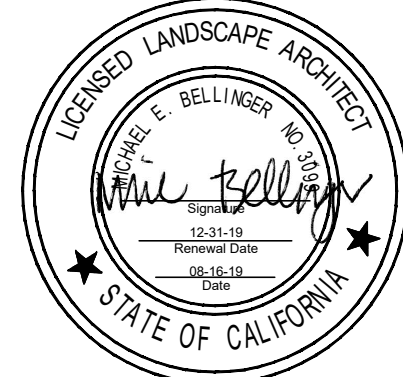
I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the landscape design plan.

Signed	<i>Michael Bellinger</i>	Michael Bellinger	3099	08-16-2019
		Name	CLA#	Date



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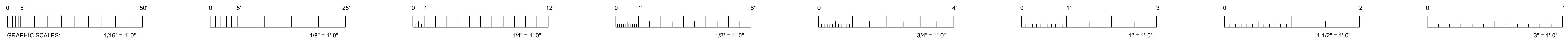
Project  
NEW BEHAVIORAL HEALTH  
CENTER - SITE PACKAGE

Sheet Title  
PLANTING PLAN

Client Project Number:	Client Proj. #
Scale: 1" = 20'-0"	Sheet
Drawn By: JB	<b>L-3.0</b>
Checked By: MB	
Issue Date: 01/15/20	
Revit Version: 2019	
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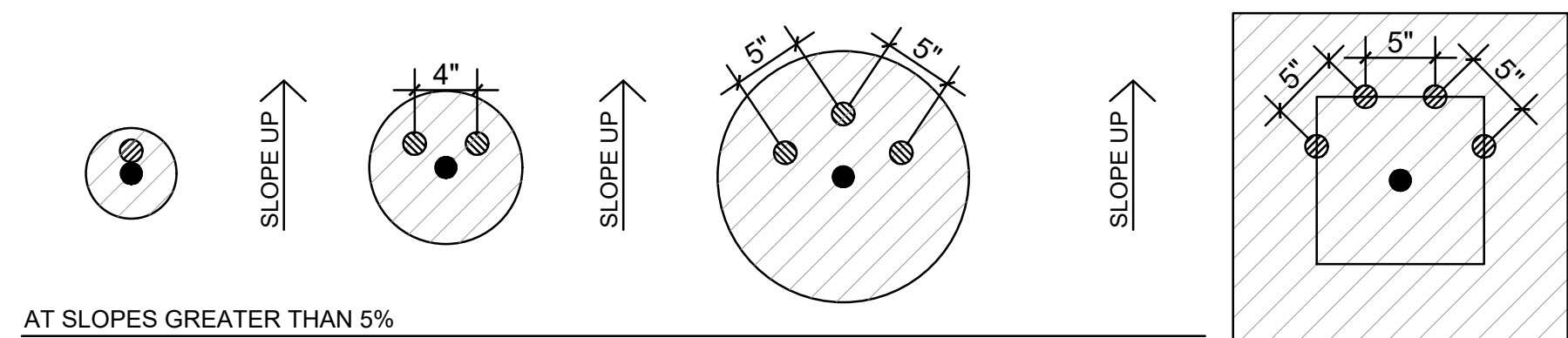
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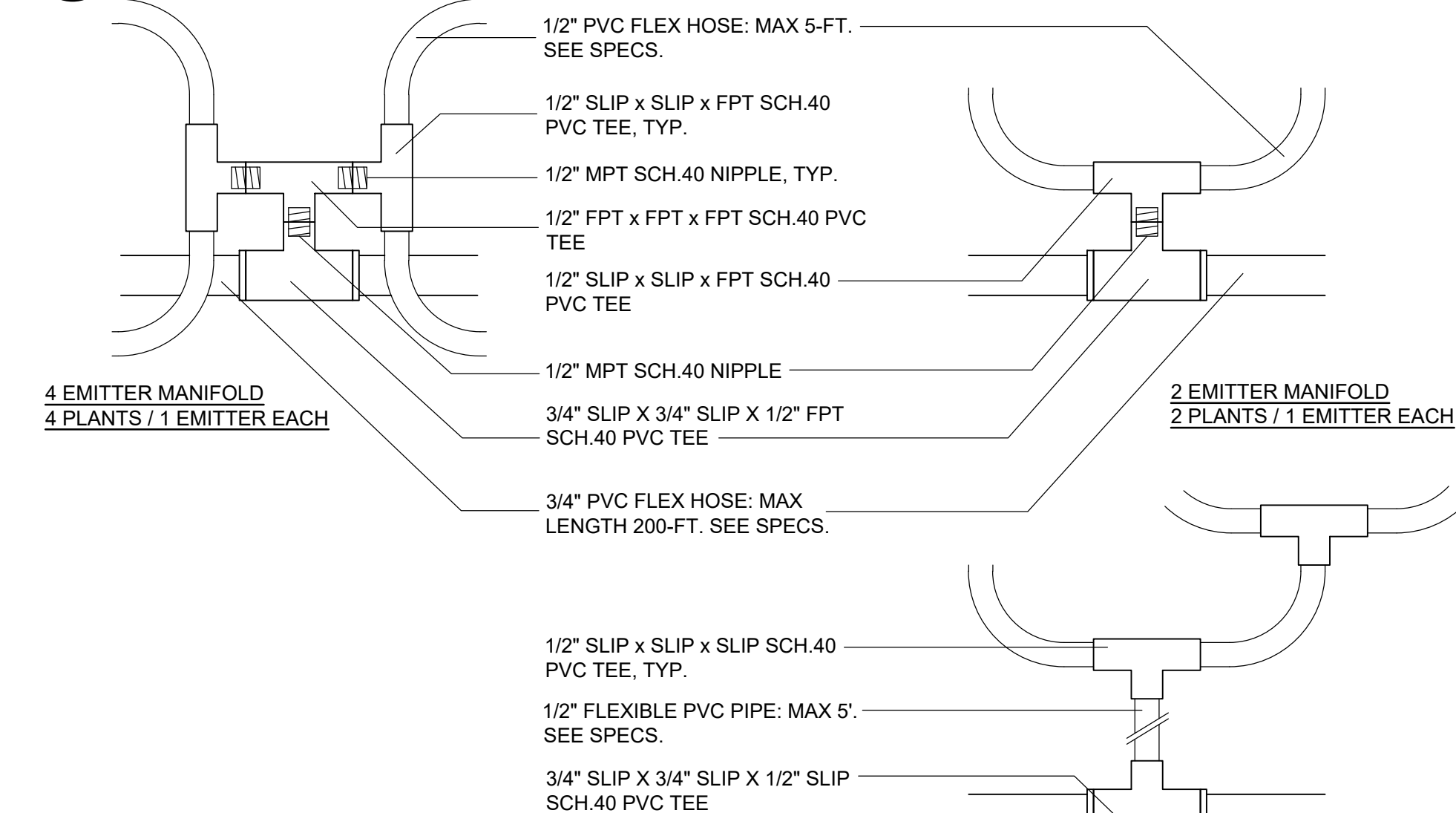
AT SLOPES GREATER THAN 5%

- 1-GALLON PLANT  
LOCATE 1 EMITTER AT  
MIDPOINT BETWEEN THE  
EDGE OF THE ROOTBALL  
AND TRUNK AS SHOWN
- 5-GALLON PLANT  
LOCATE 3 EMITTERS AT  
MIDPOINT BETWEEN THE  
EDGE OF THE ROOTBALL  
AND TRUNK AS SHOWN
- 15-GALLON PLANT  
LOCATE 5 EMITTERS AT  
MIDPOINT BETWEEN THE  
EDGE OF THE ROOTBALL  
AND TRUNK AS SHOWN
- 24-IN BOX PLANT  
LOCATE 4 EMITTERS AT  
MIDPOINT BETWEEN THE  
EDGE OF THE ROOTBALL  
AND TRUNK AS SHOWN

NOTES:  
1. SEE IRRIGATION LEGEND FOR EMITTER GPH AND CONNECTION METHODS TO SUPPLY LINE  
2. SEE SPECS FOR SUPPLY & DISTRIBUTION PIPE  
3. FOR PLANTS LARGER THAN 24" BOX, USE SOAKER HOSE OR SUB-SURFACE IRRIGATION AS SHOWN ON THE PLANS.

#### 11 Drip Irrigation : Emitter Layout

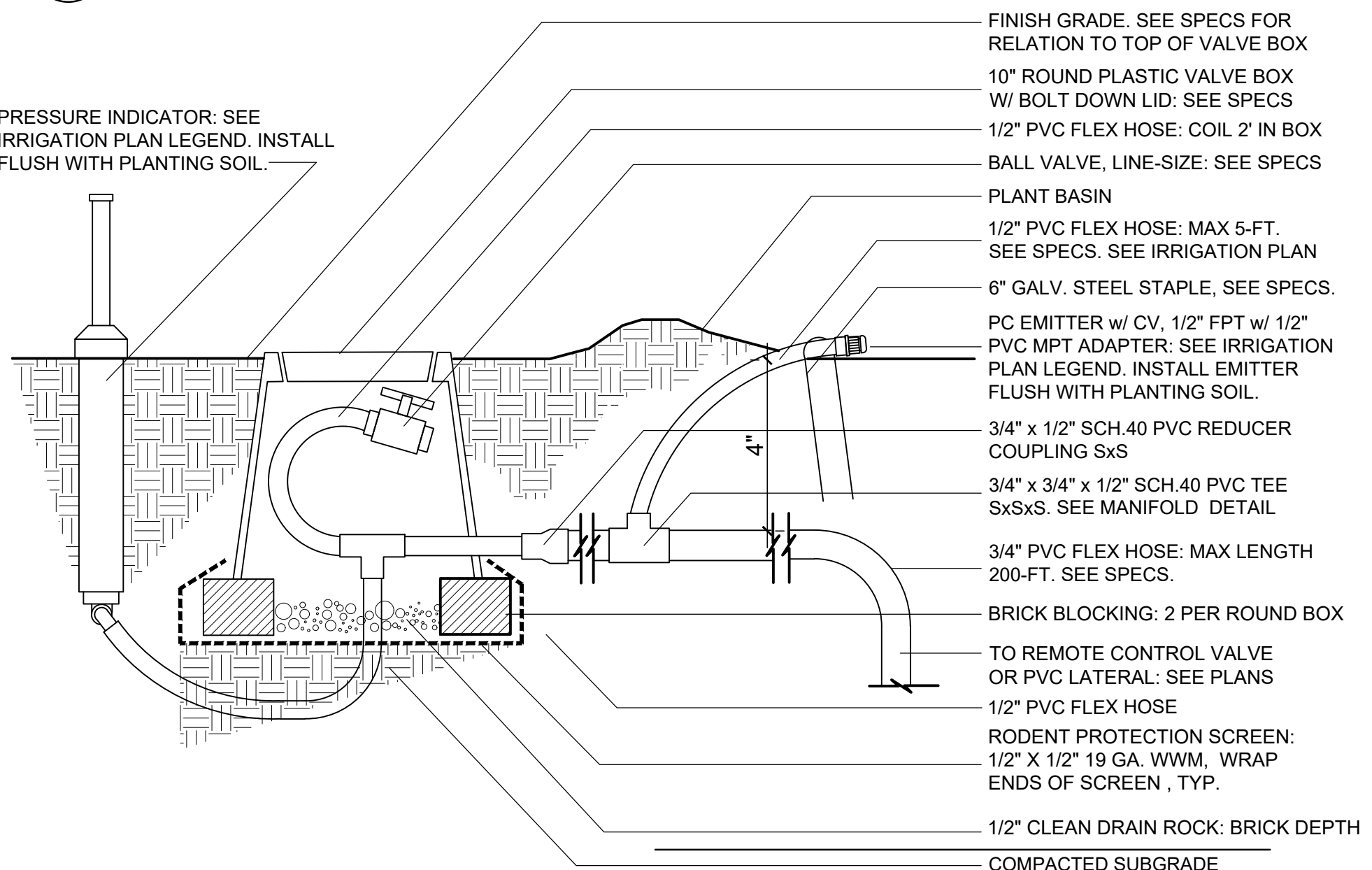
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NOTES:  
1. ALL SLIP JOINTS SHALL BE GLUED. SEE SPECS.

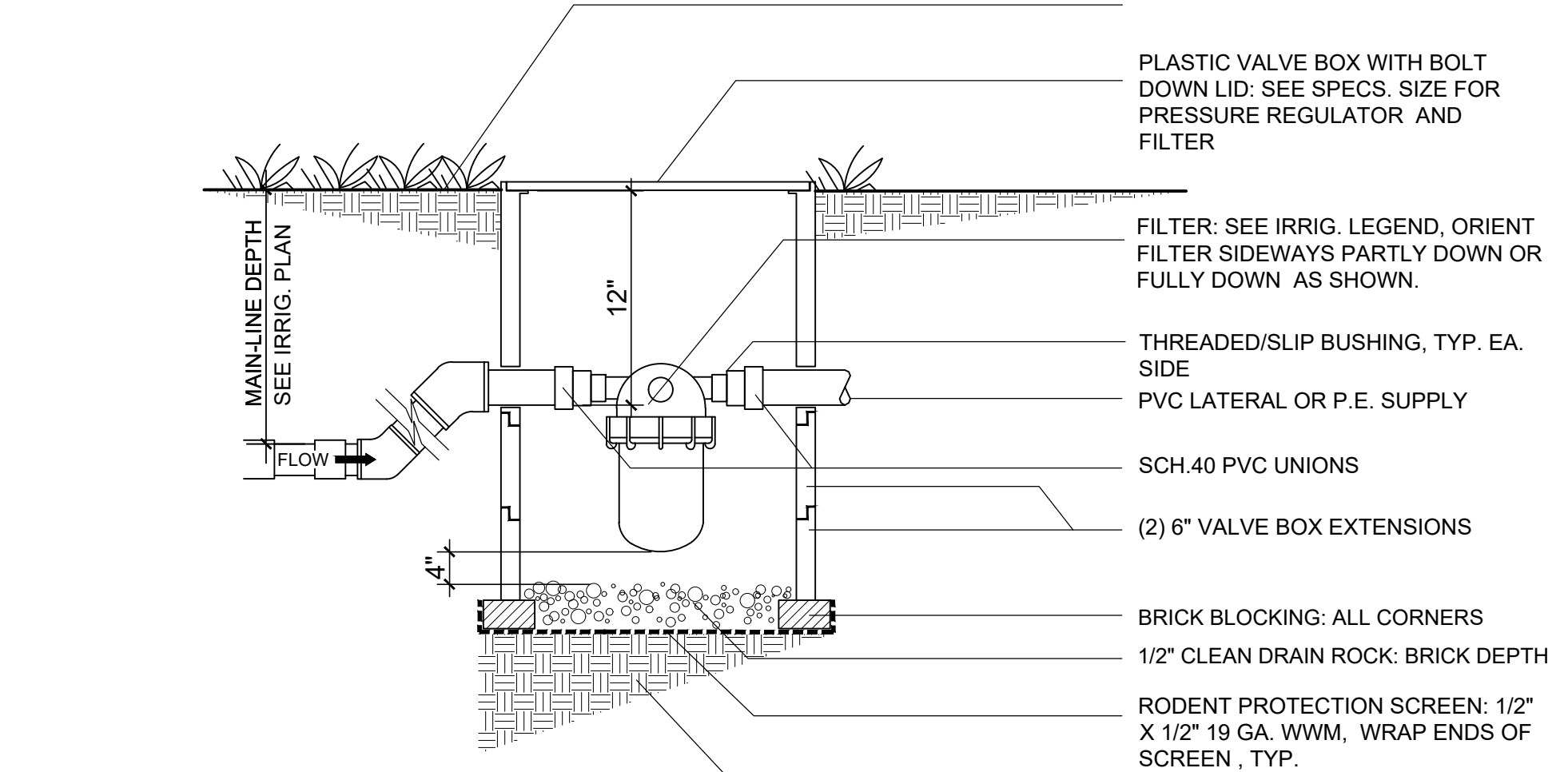
#### 11 Drip Irrigation : PVC Flex Hose / Emitter Manifold

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#### 10 Drip Irrigation : PVC Flex Hose / Emitter / Flush Port / Pressure Indicator

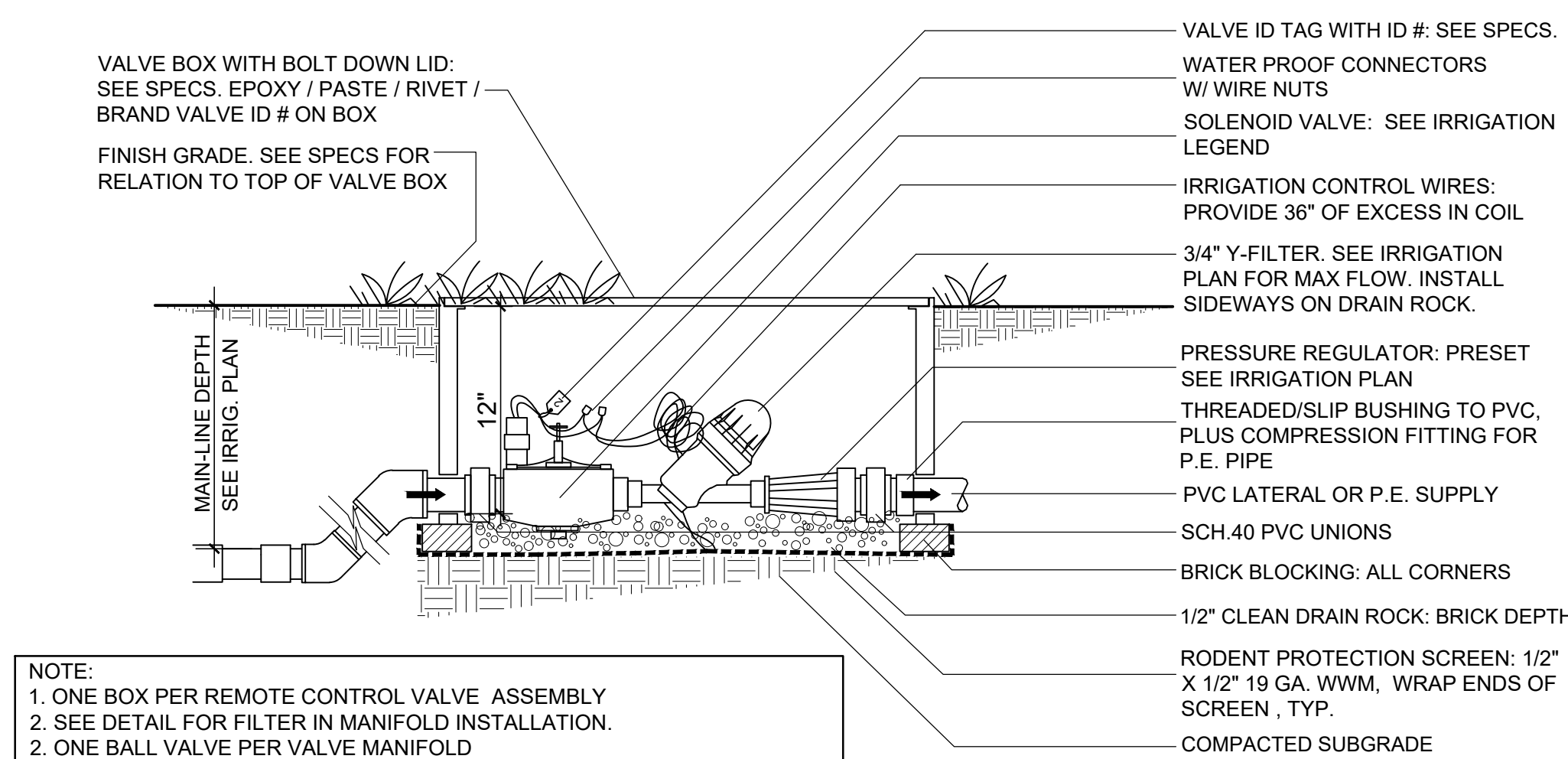
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NOTE:  
1. BOX SHALL NOT REST UPON OR TOUCH THE EQUIPMENT OR PIPE AT ANY POINT. PROVIDE ENOUGH CLEARANCE FOR REMOVAL OF FILTER.  
2. 'TEFLON' TAPE REQUIRED ON ALL THREADED JOINTS.

#### 9 Drip Irrigation : Filter 1" & 1-1/2" (Valve / Manifold)

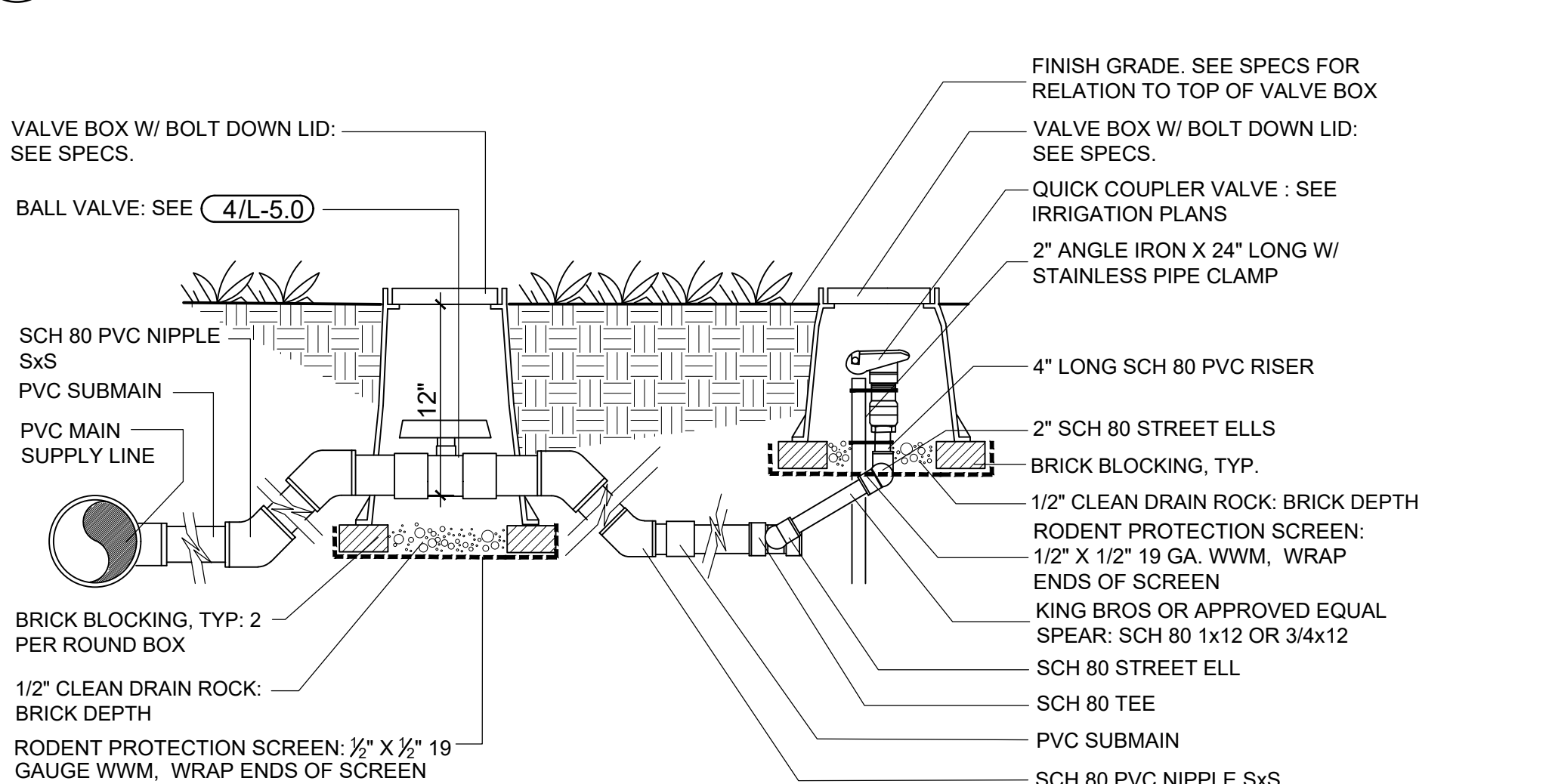
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NOTE:  
1. ONE BOX PER REMOTE CONTROL VALVE ASSEMBLY  
2. SEE DETAIL FOR FILTER IN MANIFOLD INSTALLATION.  
3. ONE BALL VALVE PER VALVE MANIFOLD  
3. BOX SHALL NOT REST ON OR TOUCH THE EQUIPMENT OR PIPE AT ANY POINT.

#### 8 Drip Irrigation: Remote Control Valve (Custom Assembly)

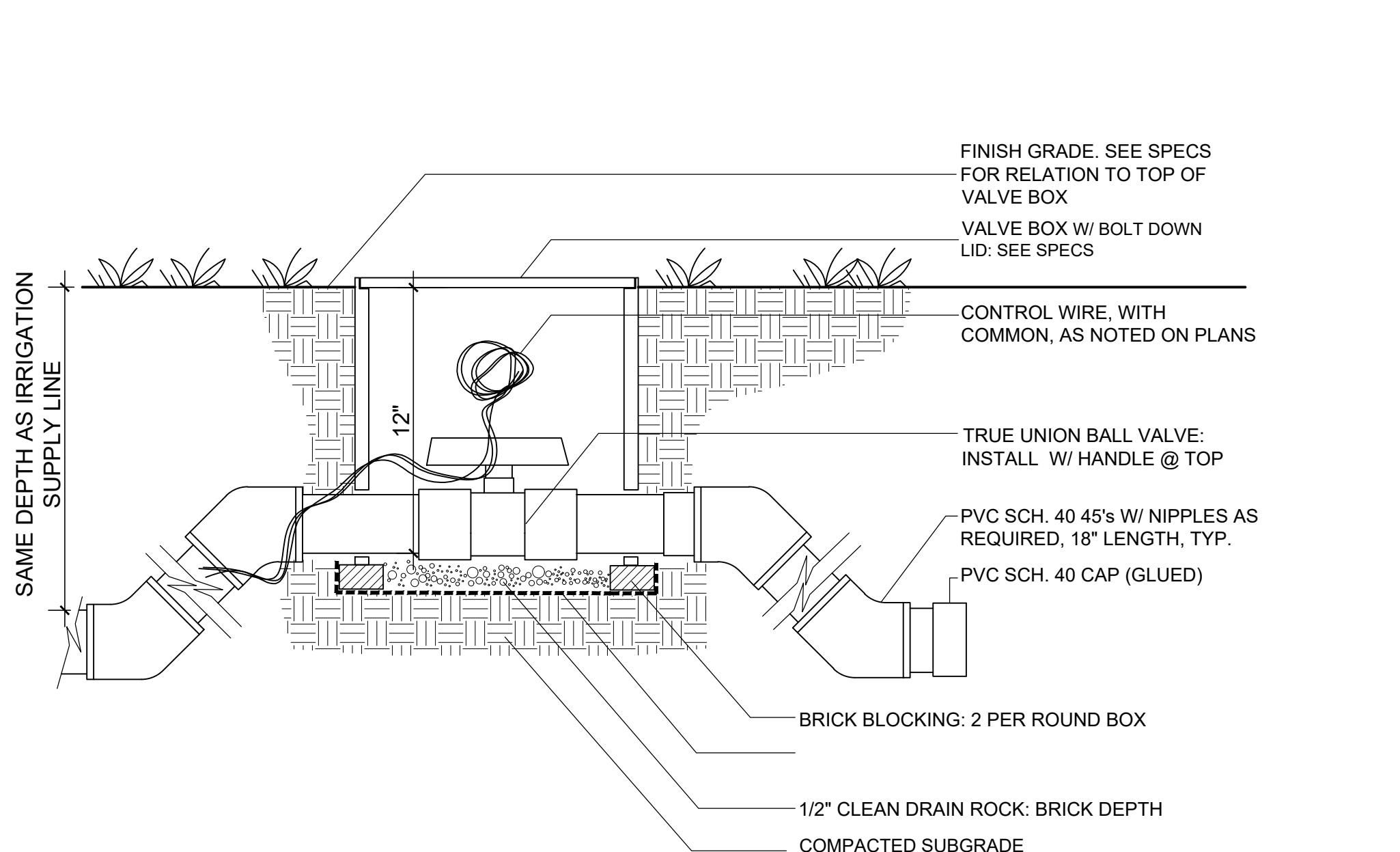
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NOTES:  
1. GROUP QUICK COUPLER WITH REMOTE CONTROL VALVES FOR USE OF COMMON ISOLATION VALVE. SEE TYPICAL MANIFOLD DETAIL.  
2. SCHEDULE 80 PRE-ASSEMBLED SWING MAY BE USED.  
3. DO NOT INSTALL DIRECTLY ON TOP OF LIVE WATER MAINS.

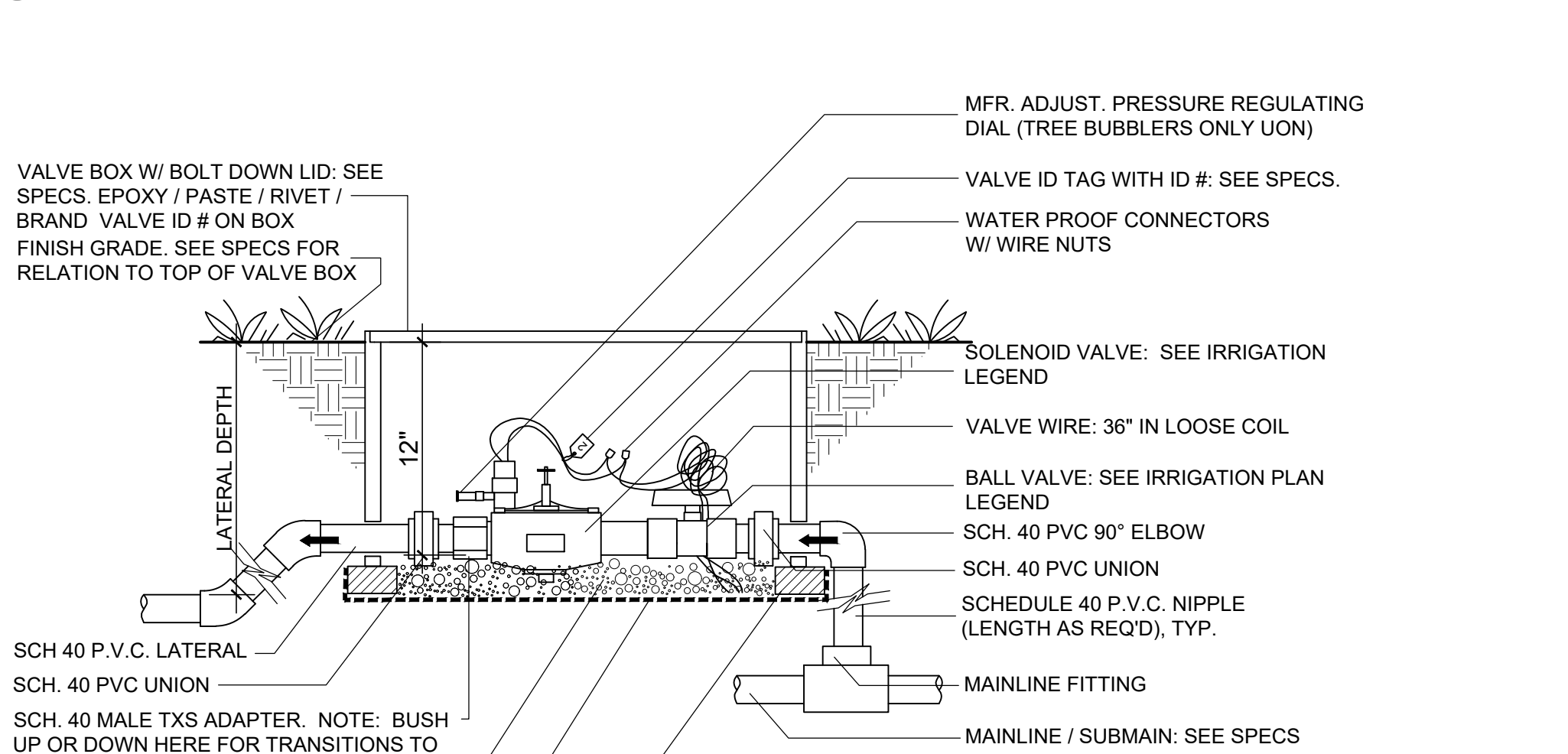
#### 7 Quick Coupler

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#### 6 Mainline Stubout

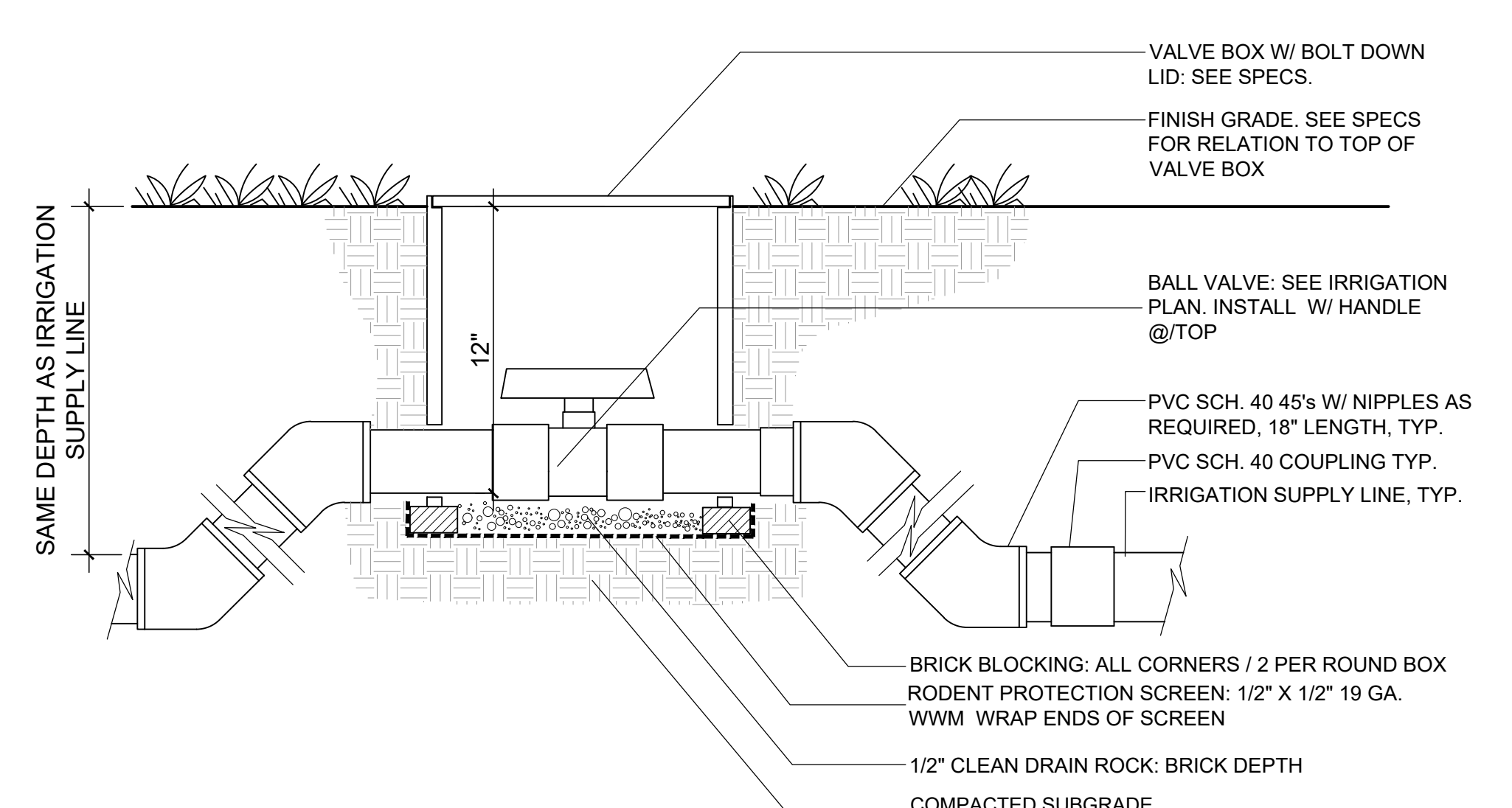
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NOTES:  
1. ONE REMOTE CONTROL VALVE ASSEMBLY PER VALVE BOX.  
2. ONE BALL VALVE PER VALVE MANIFOLD

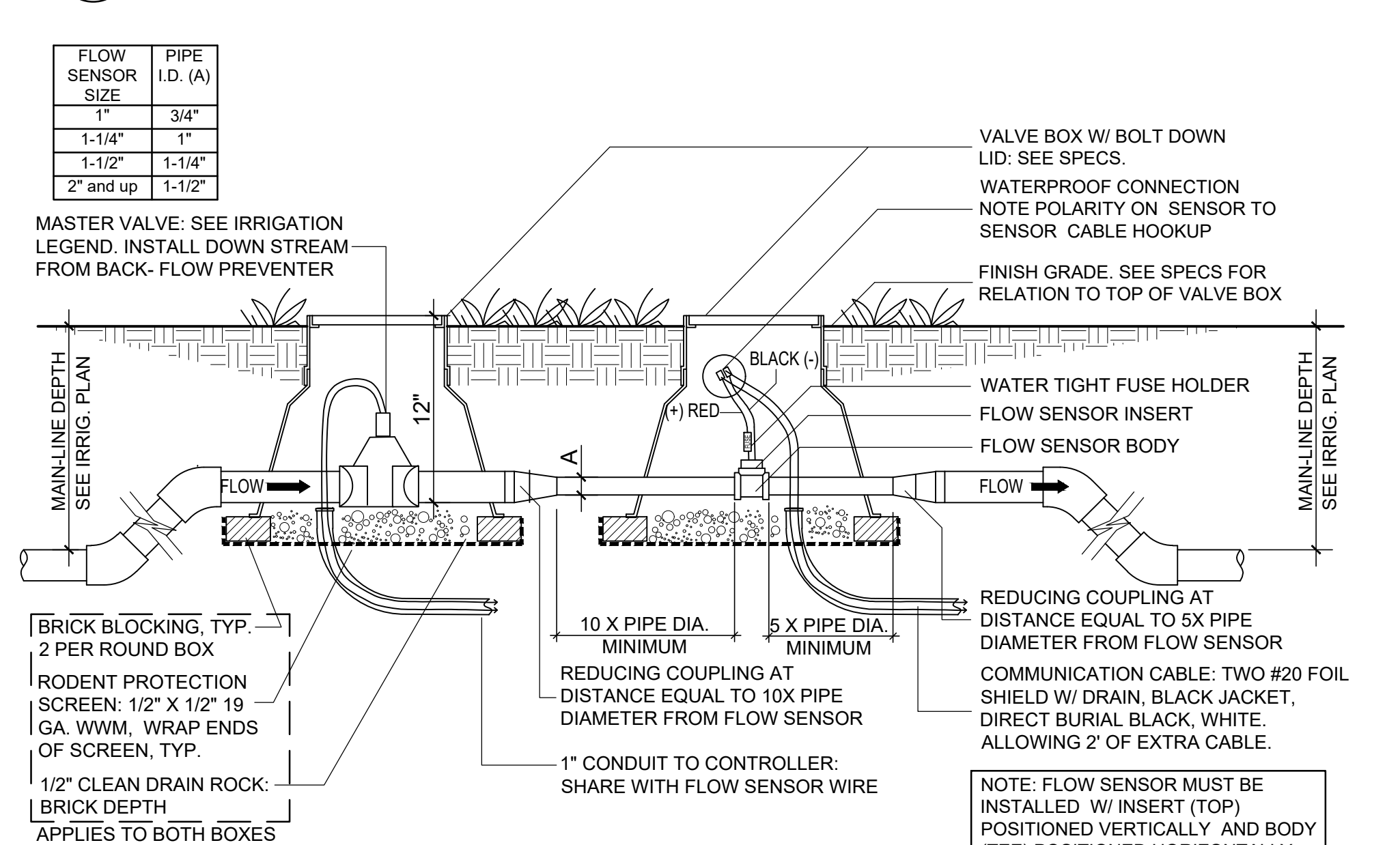
#### 5 Remote Control Valve

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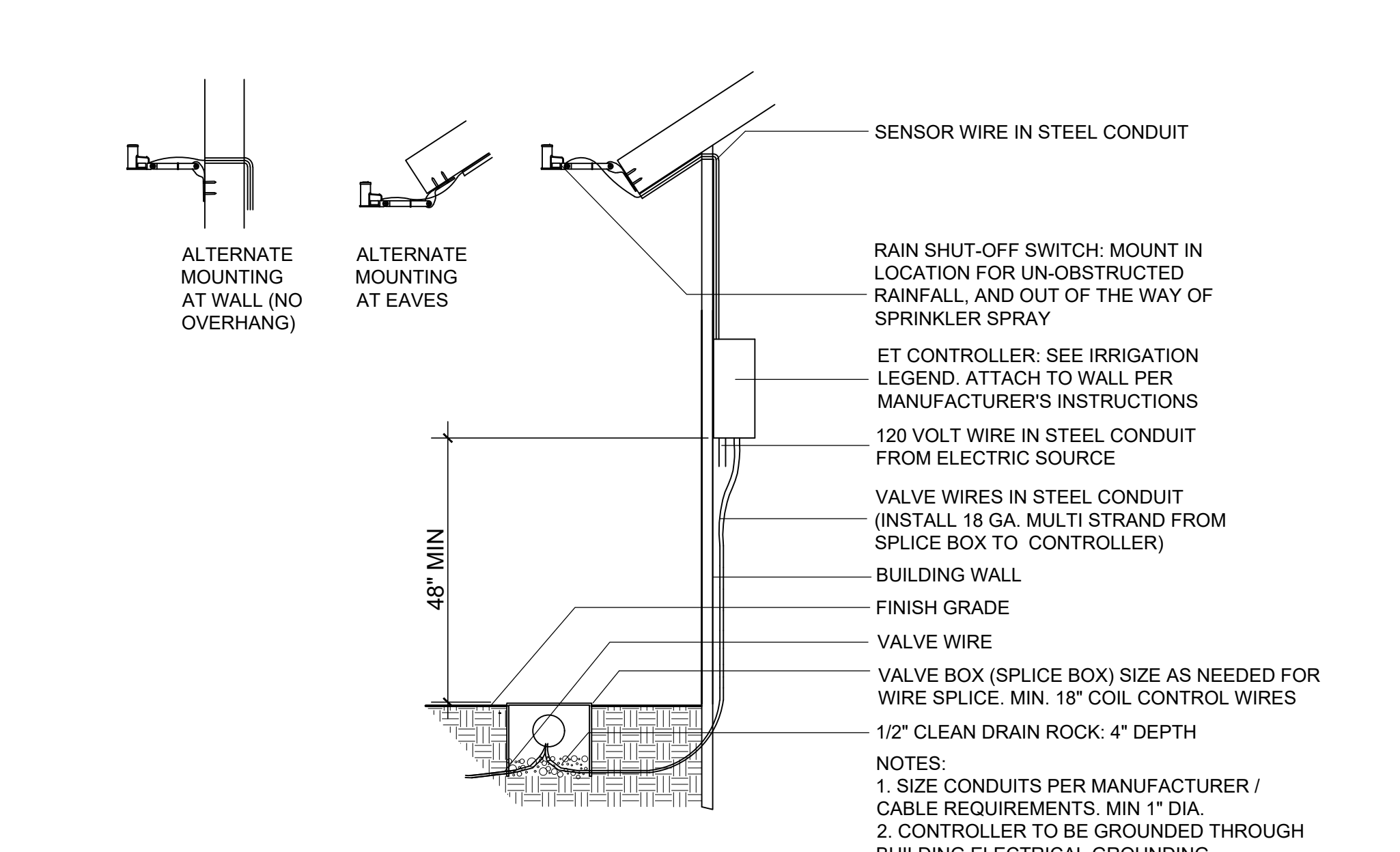
#### 4 Isolation (Ball) Valve

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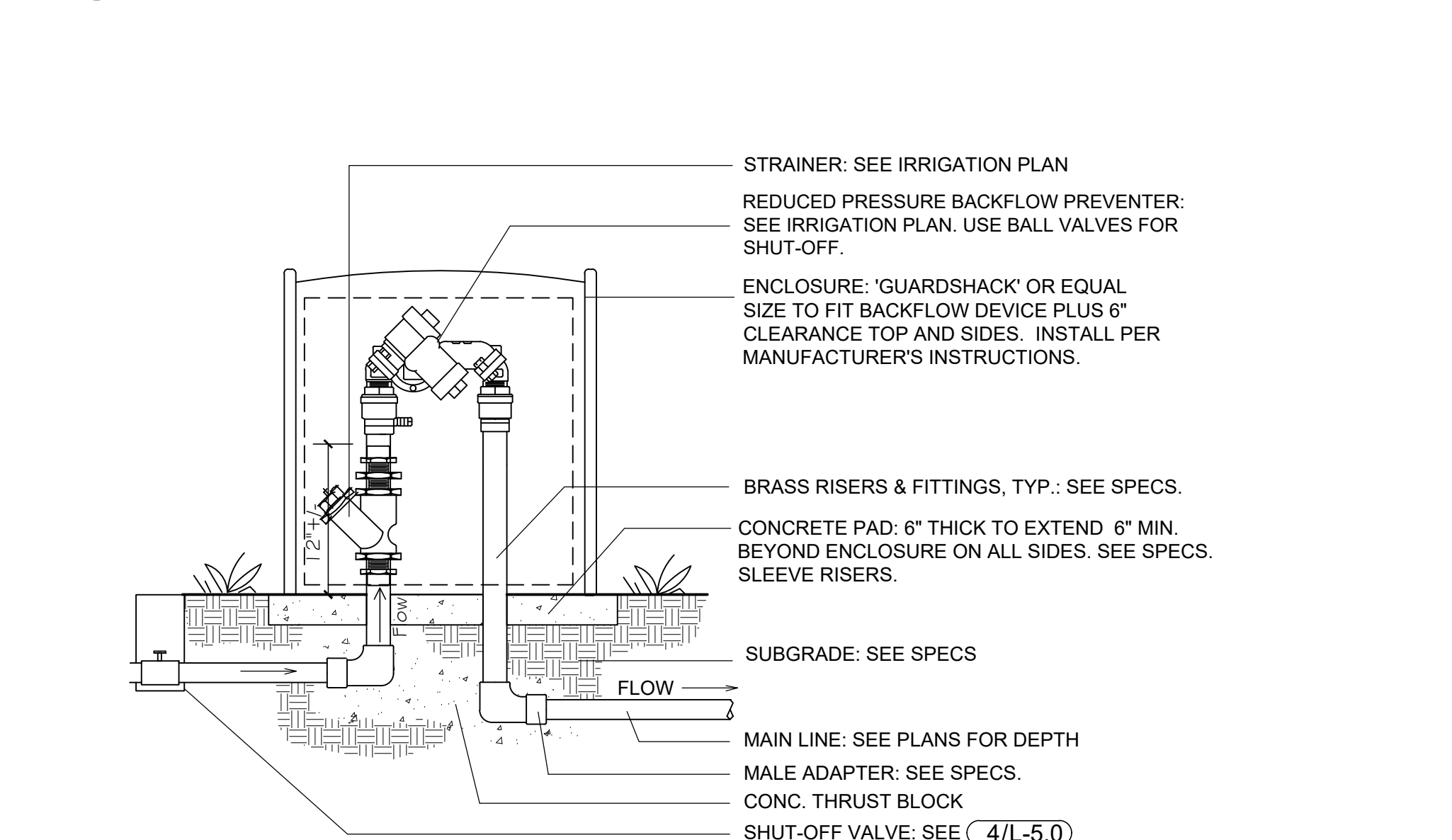
#### 3 Master Valve / Flow sensor

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#### 2 Controller Wall Mount Interior

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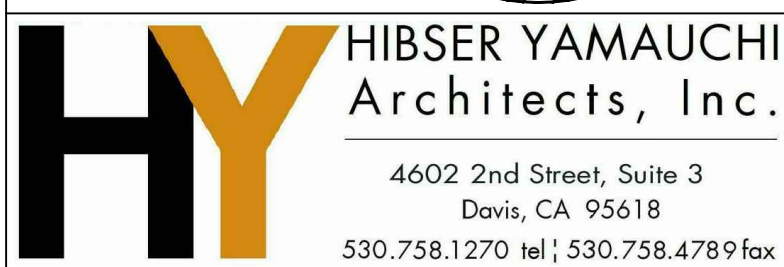


#### 1 Backflow Device: 2-1/2" Pipe or Less

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Project  
NEW BEHAVIORAL HEALTH  
CENTER - SITE PACKAGE

Sheet Title  
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PLANTING DETAILS

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Checked By: MB

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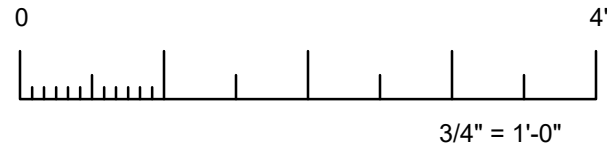
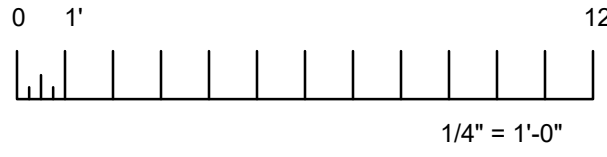
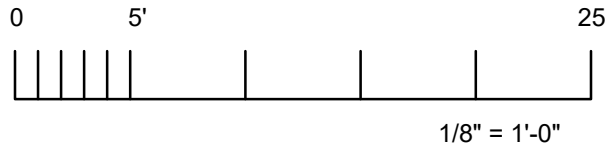
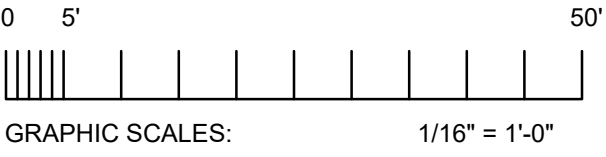
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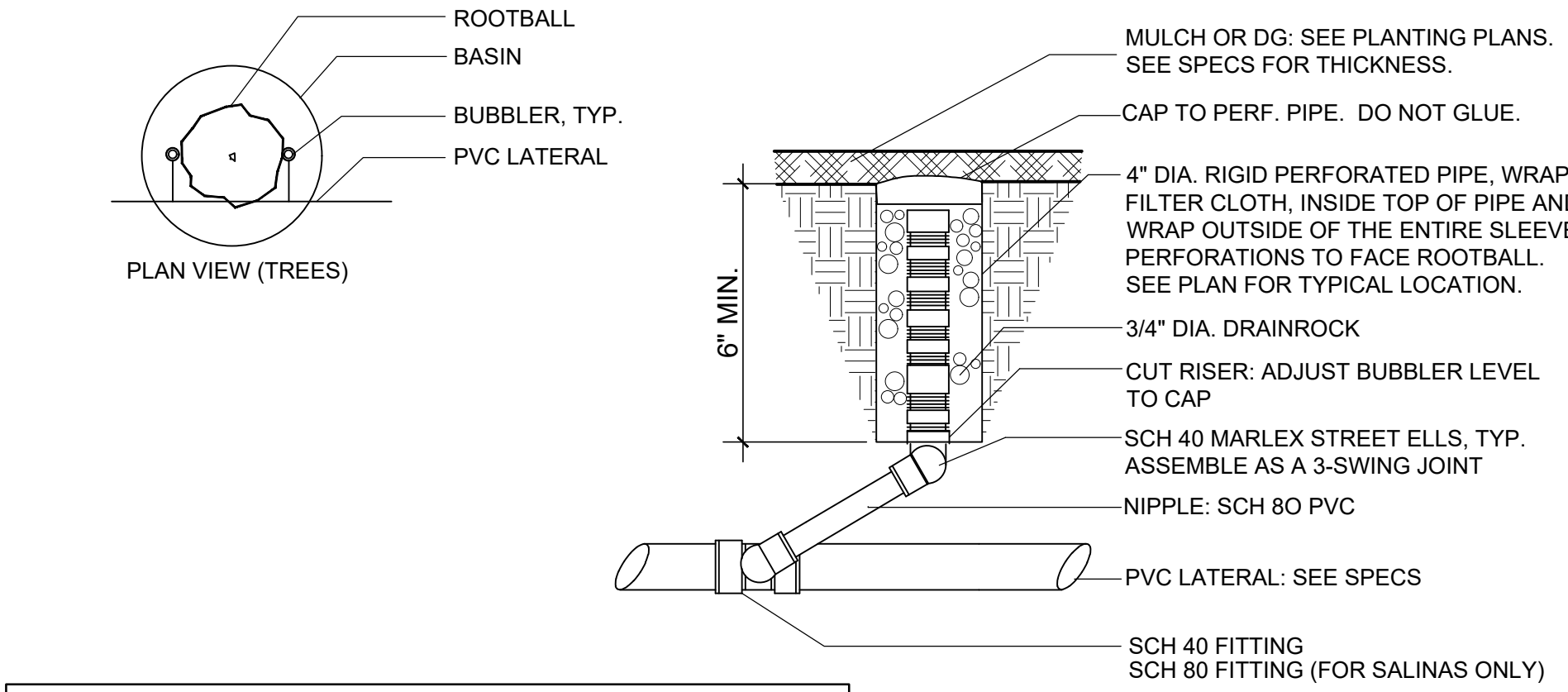
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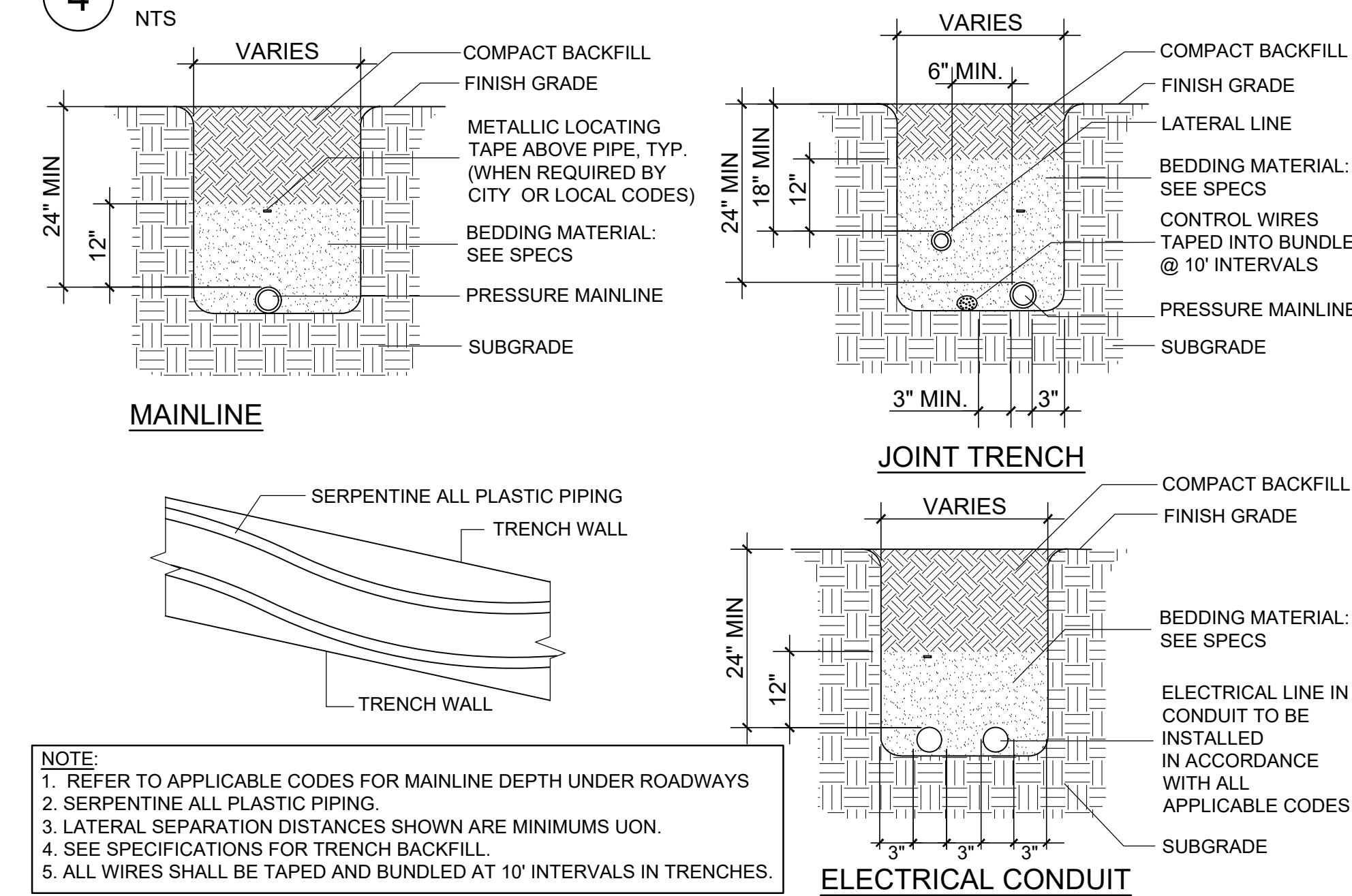
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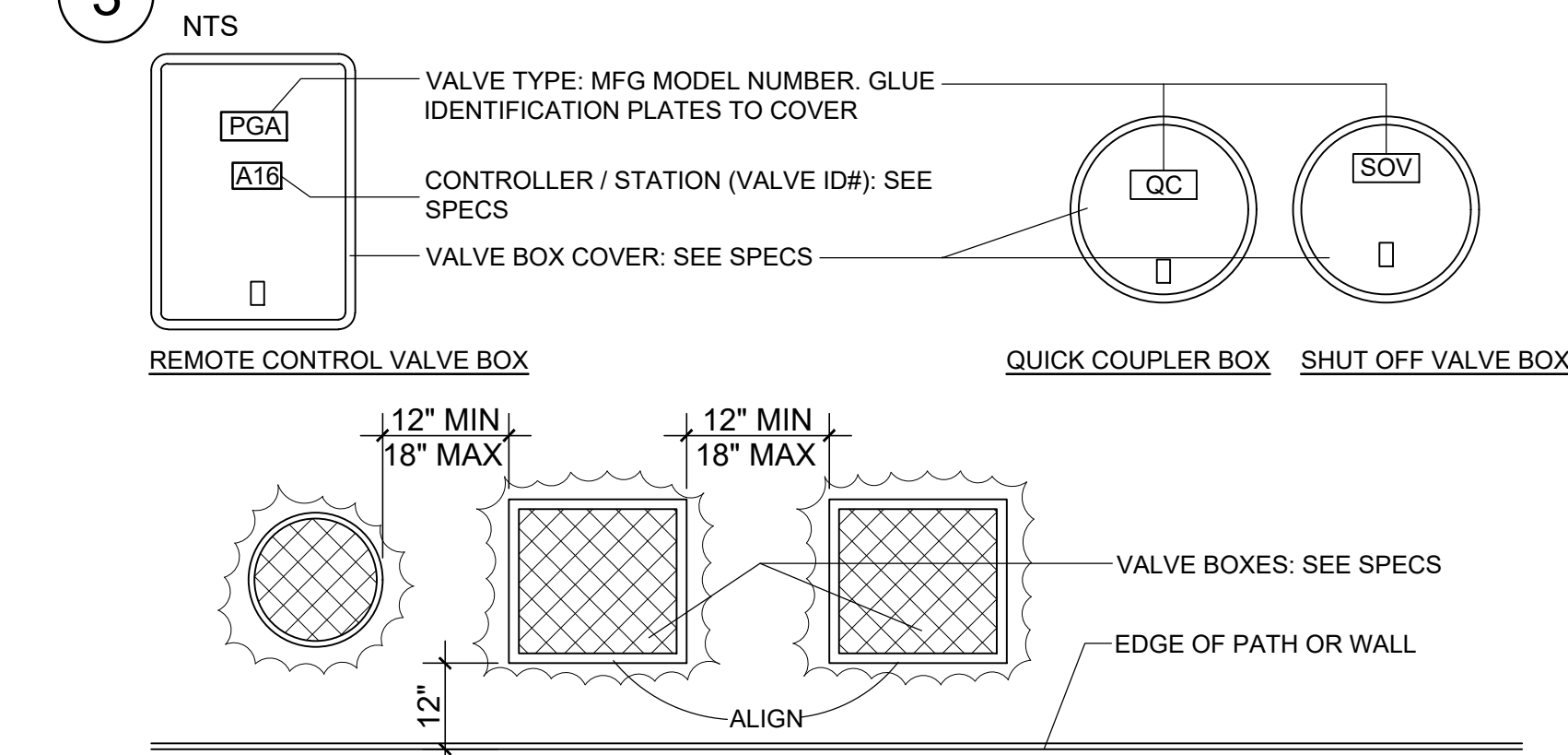
Revisions				
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#### 4 Tree Bubbler (1-15 Gal. Plants)

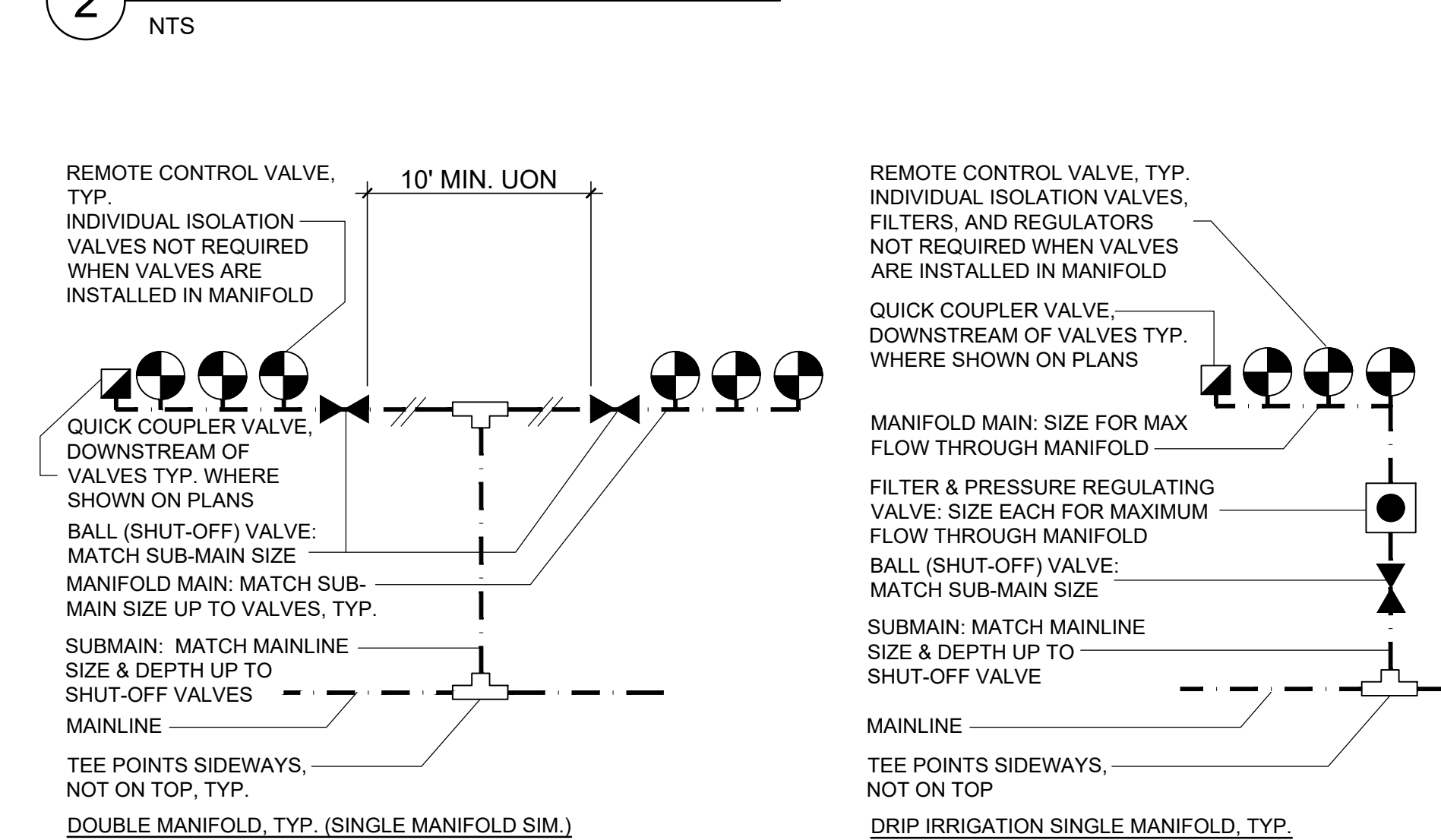


#### 3 Trench & Pipe Installation



- NOTE:
1. ALL VALVE BOXES MUST BE IDENTIFIED WITH A VALVE ID # ON BOX. SEE SPECIFICATIONS FOR ACCEPTABLE METHODS.
  2. VALVE BOXES SHALL HAVE 12" CLEARANCE FROM STRUCTURES AND ANY CONCRETE AREAS. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO CONCRETE, SOUND WALL, HEADERBOARD, ETC.
  3. SET BOXES 1-1 1/2" ABOVE FINISHED GRADE IN MULCH-COVERED AREAS. SET BOXES 1/2" ABOVE GRADE IN TURF AREAS. BOXES TO BE PERPENDICULAR TO FINISH GRADE.
  3. SET VALVE BOX ASSEMBLY IN GROUND COVER / SHRUB AND NOT IN SIDEWALK OR ROADWAY. INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
  4. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.
  5. RECTANGULAR VALVE BOXES SHALL HAVE 4 BRICKS INSTALLED, ONE UNDER EACH CORNER. ROUND VALVE BOXES SHALL HAVE 2 COMMON BRICKS INSTALLED, AT OPPOSITE SIDES. BRICKS SHALL NOT BE PLACED OVER ANY PIPE OR ITEM THAT COULD FAIL DUE TO BRICK PLACEMENT.
  6. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.

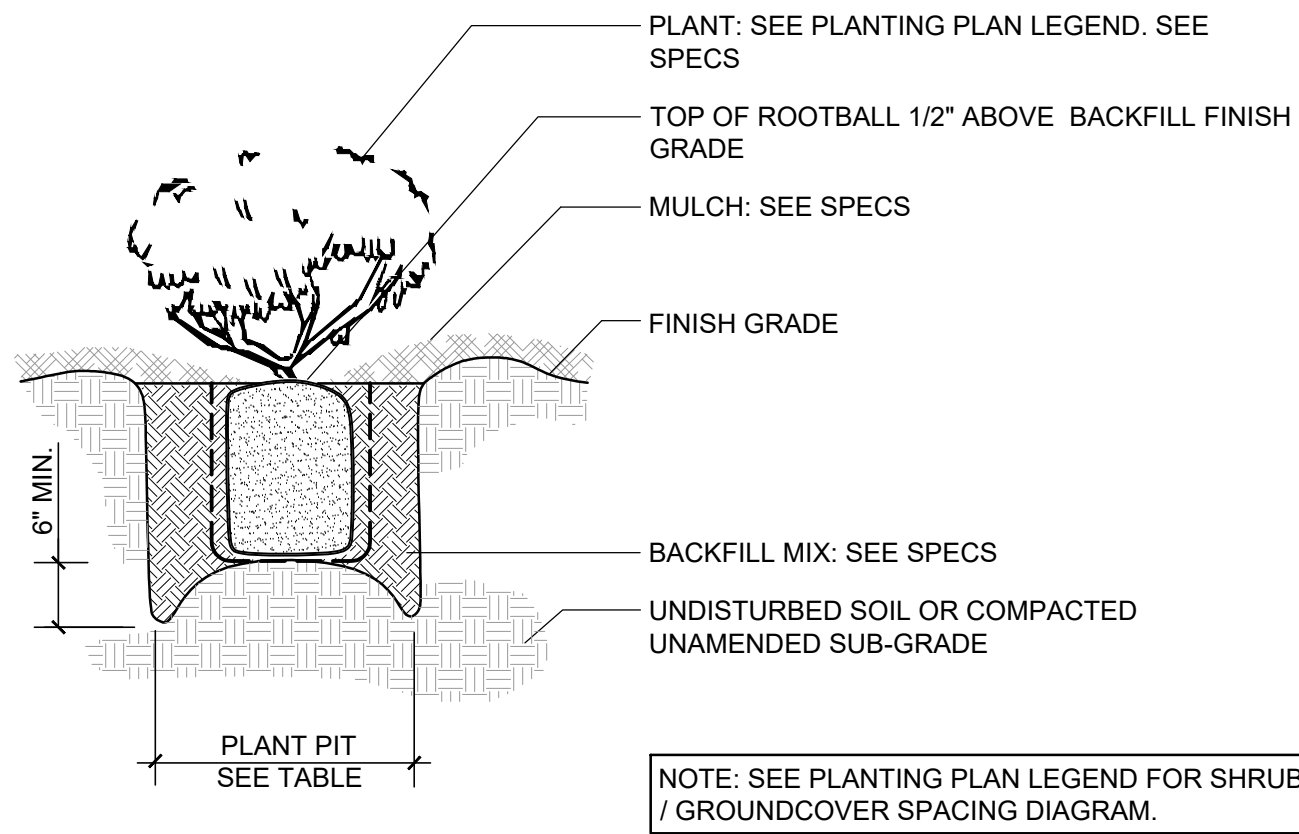
#### 2 Valve Box Installation



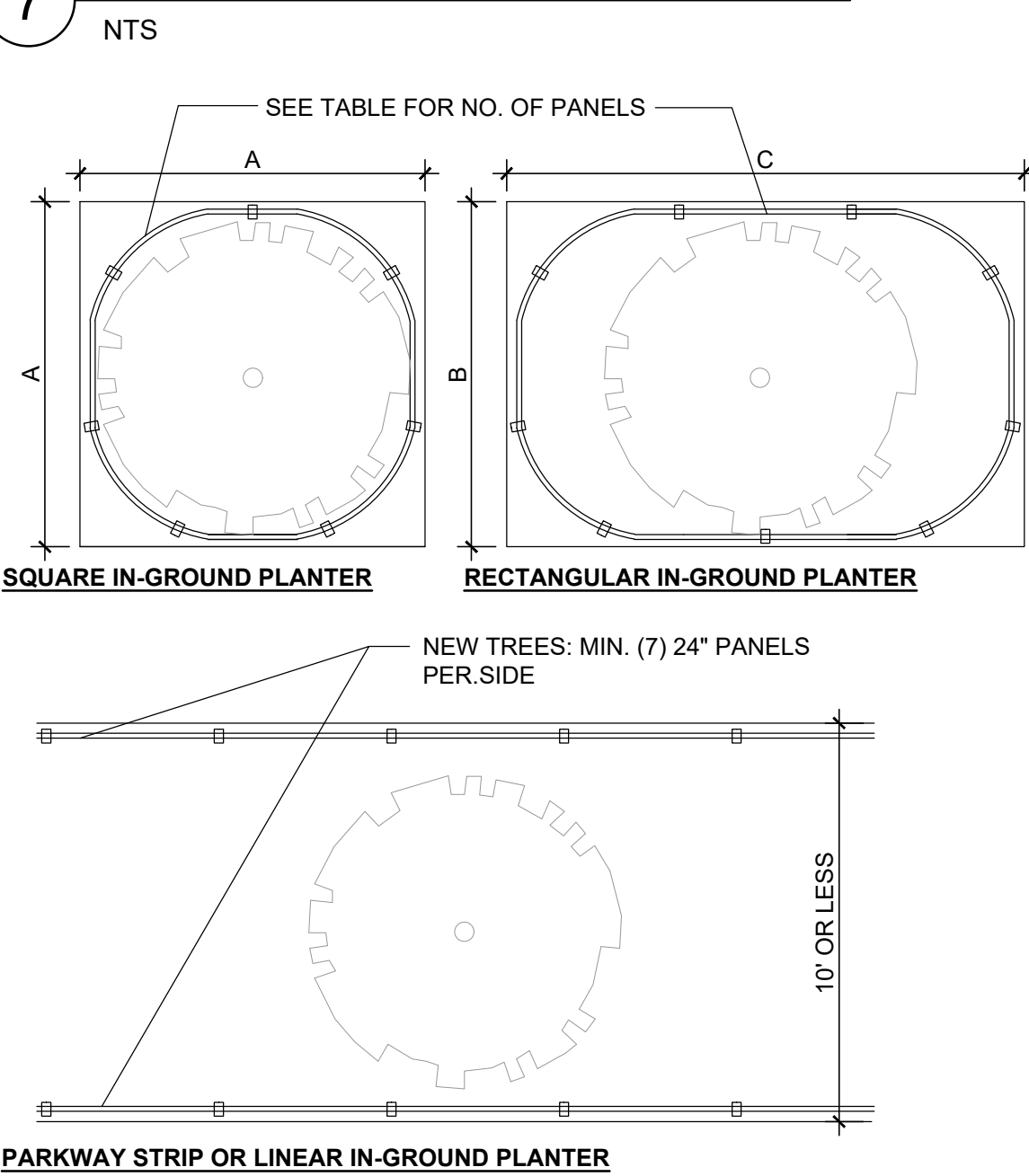
- NOTE:
1. MAX. 3 REMOTE CONTROL VALVES PER BALL (SHUT-OFF) VALVE.
  2. SUB MAINS MAY TRANSITION TO CLASS 315 PVC FROM MAINLINES THAT ARE RING-TITE PVC PIPE.

#### 1 Typ. Valve Manifold

PLANT PIT SIZE TABLE	
PLANT SIZE	PIT SIZE - ROOTBALL PLUS
4"POT	3" ALL AROUND
1 GAL	6" ALL AROUND
5 GAL	8" ALL AROUND
15 GAL	10" ALL AROUND



#### 7 Shrub / Groundcover Planting



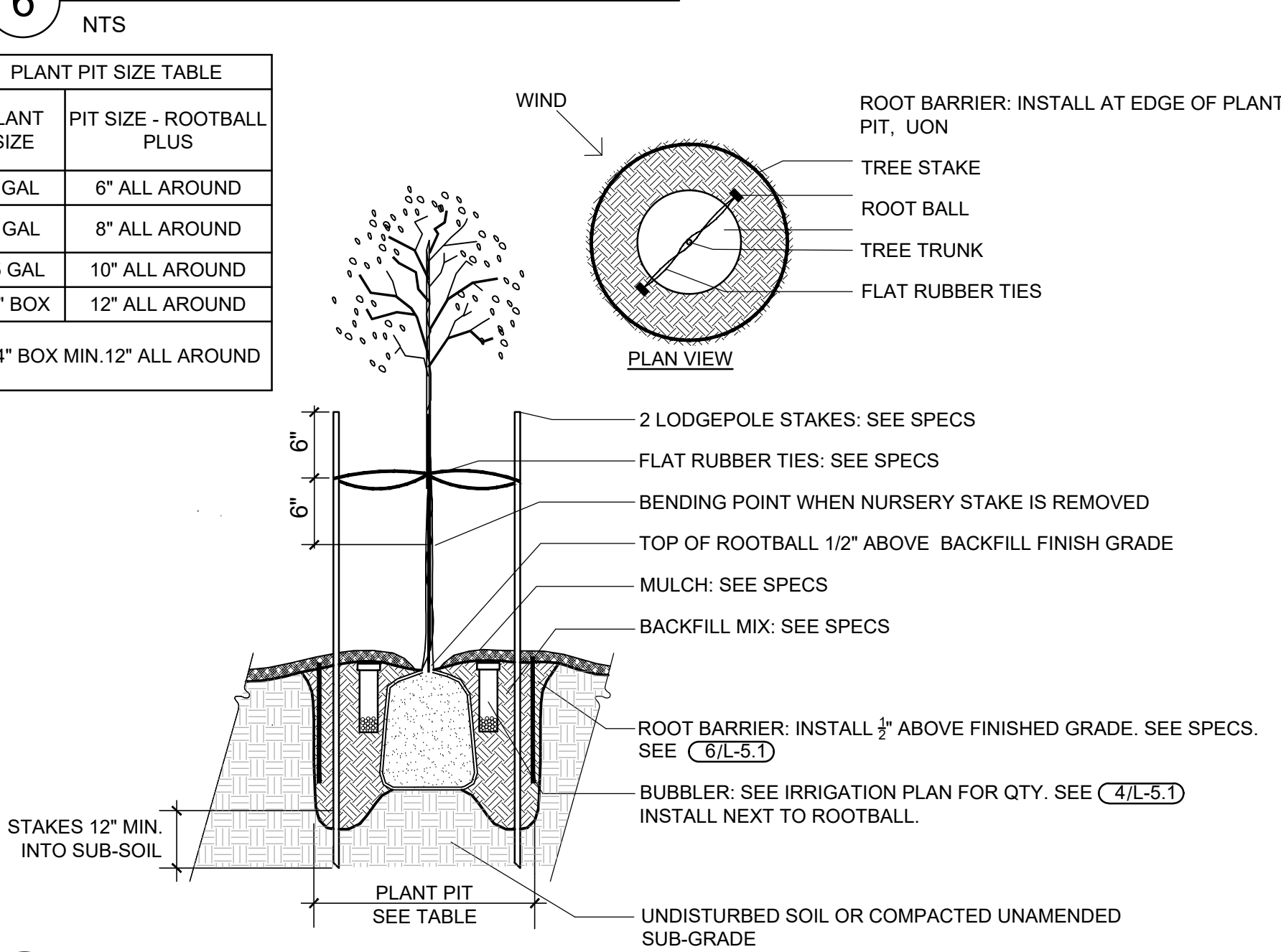
PLANTERS IN PAVING	
SIZE (A x A)	24" PANELS
4' x 4'	7
5' x 5'	9
6' x 6'	11

RECTANGULAR PLANTERS: NO. OF  
PANELS = ((B x 2 + C x 2)-2)) / 2

OPEN PLANTING BEDS	
BOX SIZE	24" PANELS
24"	7
36"	9
48"	11
60"	13

EXISTING TREES IN PARKWAY STRIPS	
CANOPY DIA	24" PANELS / SIDE
12"	7
18"	10
24"	13

#### 6 Root Barrier



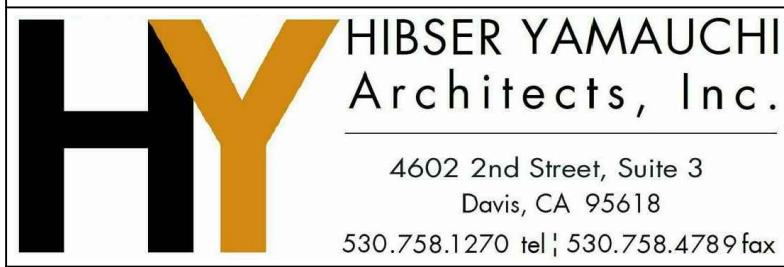
#### 5 Tree Planting & Staking

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Project  
NEW BEHAVIORAL HEALTH  
CENTER - SITE PACKAGE

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Drawn By: JB

Checked By: MB

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Revit Version: 2019

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Sheet 0 of 0





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#### GENERAL NOTES

- INTERPRETATION OF DRAWINGS & SPECIFICATIONS
  - WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.
  - IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE IDENTICAL OR SIMILAR TO LIKE CASES OF CONSTRUCTION THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
  - SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHIN RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS IN WRITING FROM THE OWNER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
  - CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
- SHOP DRAWING NOTE
  - WHEN NOT ADDRESSED BY DIVISION 1 OF THE SPECIFICATIONS, PAPER FORMAT STRUCTURAL SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF THREE COPIES MINIMUM OF EACH SHEET, WHERE SUBMITTALS ARE ELECTRONIC, FORMAT SHALL BE PDF.
  - THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE STRUCTURAL ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
  - PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, REINFORCING STEEL, & GLUE-LAMINATED BEAMS.
  - PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
  - SHOP DRAWING SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
  - ANY DETAIL ON THE SHOP DRAWINGS THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE".
  - SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE SUBMITTAL FOR RE-REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. RE-REVIEW WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
- SAFETY NOTE
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED. SHORING INDICATIONS (LOCATION, DIRECTION, DURATION, ETC.) ARE ONLY SHOWN ON THE STRUCTURAL DWGS WHEN REQUIRED TO IMPLEMENT THE DESIGN INTENT OF THE FINAL WORK PRODUCT. DETERMINATION WHETHER SHORING IS REQUIRED FOR TEMPORARY OR INTERMEDIATE CONDITIONS DURING CONSTRUCTION IS WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR.
  - THE OWNER AND THE STRUCTURAL ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
  - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION PROGRAM. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PRIOR TO COMMENCING ANY WORK.
  - WHEN CONSTRUCTION ATTACHES TO OR IS WITHIN AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THESE DRAWINGS FROM THE OWNER (IF THEY ARE AVAILABLE).
  - CONTRACTOR SHALL PROVIDE AN ALLOWANCE EQUAL TO 2% OF THE BID FOR STRUCTURAL STEEL, MISC. IRON AND REINFORCING STEEL TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEER. UNUSED AMOUNT TO REVERT TO THE OWNER UPON COMPLETION OF THE JOB.
  - ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
  - DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
  - THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY LOCAL BUILDING OFFICIALS AND THE OWNER AND SIGNED BY THE STRUCTURAL ENGINEER.

#### ABBREVIATIONS

(A) - OCCURS ABOVE	JH - JOIST HANGER
AB - ANCHOR BOLT	LL - LIVE LOAD
ABV - ABOVE	LLH - LONG LEG HORIZONTAL
ADDL - ADDITIONAL	LLV - LONG LEG VERTICAL
AHU - AIR HANDLING UNIT	LONGIT - LONGITUDINAL
ALT - ALTERNATE	LS - LAG SCREW
APPROX - APPROXIMATE	LW - LIGHTWEIGHT
ARCH - ARCHITECTURAL	MECH - MECHANICAL
(B) - OCCURS BELOW	MFR - MANUFACTURER
BLDG - BUILDING	M - MALLEABLE IRON
BLKG - BLOCKING	N - MARK
BLW - BELOW	MTL - METAL
BM - BEAM	(N) - NEW
B.O. - BOTTOM OF	NIC - NOT IN CONTACT
B.O. - BOTTOM OF FOOTING	NS - NEAR SIDE
BOTT - BOTTOM	NTS - NOT TO SCALE
BRG - BRACING	NW - NORMAL WEIGHT
BRG - BEARING	O - OVER
BTWN - BETWEEN	OH - OPPOSITE HAND
BYND - BEYOND	OSB - ORIENTED STRAND BOARD
CC - CENTER TO CENTER	OSB - ORIENTED STRAND BOARD
CG - CENTER OF GRAVITY	PC - PIECE
CJ - CONSTRUCTION JOINT	PERP - PERPENDICULAR
CJP - COMPLETE JOINT PENETRATION	PJP - PARTIAL JOINT PENETRATION
C - CENTERLINE	P - PLATE
CLG - CEILING	PT - PRESSURE TREATED
CLR - CLEAR	PW - PUDDLE WELD
CMU - CONCRETE MASONRY UNIT	REINF - REINFORCING OR REINFORCEMENT
COL - COLUMN	REQD - REQUIRED
CONC - CONCRETE	RWD - REDWOOD
CONN - CONNECTION	SC - SLIP CRITICAL
CONT - CONTINUOUS	SCH - SCHEDULE
CONTR - CONTRACTOR	SEOR - STRUCTURAL ENGINEER OF RECORD
COORD - COORDINATE	SHTG - SHEATHING
CSK - COUNTERSINK	SIM - SIMILAR
DBL - DOUBLE	SL - SLAB CONTROL JOINT
DF - DOUGLAS FIR	SMS - SHEET METAL SCREW
DIAG - DIAGONAL	SOG - SLAB-ON-GRADE
DL - DEAD LOAD	SP - STRUCTURAL PANEL
DWG - DRAWING	SP - SPACING
(E) - EXISTING	SO - SQUARE
EA - EACH	STD - STANDARD
EF - EACH FACE OR EDGE FASTENER	STIFFN - STIFFENER
EJ - EXPANSION JOINT	STGRD - STAGGERED
ELEV - ELEVATION	STL - STEEL
EN - EDGE NAILING	STR - STRUCTURAL
EOS - EDGE OF SLAB	SW - SHEAR WALL
EQ - EQUAL	T&O - TOP & BOTTOM
EW - EACH WAY	T&O - TONGUE & GROOVE
FB - FACE OF BLOCK/BRICK OR FLAT BAR	THRD - THREADED
FC - FACE OF CONCRETE	TN - TOE NAIL
FDN - FOUNDATION	T.O. - TOP OF
FF - FINISH FLOOR	TOP - TOP OF CONCRETE (SLAB UNO)
FRMG - FRAMING	TOP - TOP OF FOOTING OR TOP OF FRAMING
FRT - FIRE RETARDANT TREATED	TOS - TOP OF STEEL
FS - FACE OF STUD OR FAR SIDE	TOW - TOP OF WALL
FTG - FOOTING	TRANS - TRANSVERSE
GA - GAUGE OR GAGE	TYP - TYPICAL
GALV - GALVANIZED	UNO - UNLESS NOTED OTHERWISE
GLB - GLUED LAMINATED BEAM	VERT - VERTICAL
GR - GRADE	VIF - VERIFY IN FIELD
GYP - GYPSUM	WF - WIDE FLANGE
HD - HOLDOWN	WHS - WELDED HEADED STUD
HDR - HEADER	WP - WORK POINT
HGR - HANGER	WS - WOOD SCREW
HK - HOOK	WWF - WELDED WIRE FABRIC
HORIZ - HORIZONTAL	XS - EXTRA STRONG
HSS - HIGH STRENGTH BOLT	XXS - DOUBLE EXTRA STRONG
HSS - HOLLOW STRUCTURAL SECTION	Ø - ROUND OR DIAMETER
HT - HEIGHT	

#### DESIGN CRITERIA

- CODES AND STANDARDS
  - 2016 CALIFORNIA BUILDING CODE (CBC) ASCE 7-10
  - ACI 318-14
  - ASCE 308-10, 341-10, 358-10
  - ASCE 100-12, S200-12, S213-07/S1-09 (2012)
  - TMS 402-13/ACI 530-13/ASCE 5-13
  - TMS 402-13/ACI 530-13/ASCE 6-13
  - 2015 NDS, 2015 SDPWS
- VERTICAL LOADS
  - ROOF LIVE LOAD = 20 PSF
  - LIVE LOADS ARE REDUCED WHERE PERMITTED BY CODE
- SOILS VALUES
  - ALLOWABLE SOILS PRESSURE = 2000 PSF (AS PRESCRIBED IN CBC-16 TABLE 1906.2)
  - FOOTING
    - MINIMUM DEPTH = 12"
    - MINIMUM SPREAD = 12"
    - (AS PRESCRIBED IN CBC-16 1909.4)
- LATERAL LOADS
  - SEISMIC
    - SITE CLASS  $D_s = 0.60$
    - $S_s = 2.243$ ;  $S_{0.2} = 1.498$
    - $S_1 = 0.98$ ;  $S_{0.7} = 0.88$
    - $R = 2.5$ ;  $R_s = 1.0$
    - $D_0 = 1.25$ ;  $C_0 = 2.5$
    - $h = 1.0$  TYPICAL
  - RISK CATEGORY: II
  - SEISMIC DESIGN CATEGORY: E
  - SEISMIC FORCE RESISTING SYSTEM: CANTILEVER COLUMN
  - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
  - WIND:
    - $V_{ult} = 110$  MPH;  $V_{base} = 85$  MPH
    - RISK CATEGORY: II
    - EXPOSURE CATEGORY: C
    - $G_{C0} = 40.55$

#### CONCRETE

- STRUCTURAL CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #28. MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES.
- CONCRETE MIX DESIGNS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER, REVIEWED BY OWNER'S TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
- CEMENTITIOUS MATERIALS
  - CEMENT SHALL CONFORM TO ASTM C-150 TYPE II OR V.
  - FLY ASH SHALL CONFORM TO ASTM C-618. MAX. QUANTITY OF FLY ASH SHALL BE 25% OR AS GIVEN IN SPECS.
- CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE. NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXED NONMETALLIC FORMULA.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706 GRADE 60. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
- ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.1 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR SHALL FURNISH WPS FOR ALL REBAR WELDING TO THE LABORATORY.
- REINFORCING STEEL SHALL BE FABRICATED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE FOR REINFORCED CONCRETE CONSTRUCTION.
- DIMENSIONS SHOWN FOR LOCATION OF REINFORCERS ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR COVERAGE. NON-RESTRICTED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE AS FOLLOWS: UNO.
  - CONCRETE DEPOSITED DIRECTLY AGAINST GROUT (EXCEPT SLABS): 3"
  - CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS:
    - #5 AND SMALLER: 1-1/2"
    - #6 AND LARGER: 2"
- SLABS (ON GROUND): 2" CLEAR FROM TOP UNO
- SPLICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UNO. SEE SCHEDULE THIS SHEET. SPLICES IN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPLICE CONTINUOUS BARS IN SOIL-BEARING GRADE BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS AS FOLLOWS UNO: TOP BARS AT CENTERLINE OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPLICE IN CONTINUOUS BARS IN ELEVATED SLABS AND BEAMS, ETC. AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE OF SUPPORT.
- THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER OF BAR DIAMETER, 1" OR 3% OF THE MAXIMUM AGGREGATE SIZE (NOMINAL), WHICHEVER IS GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SPACING BETWEEN DIFFERENT LAYERS OF PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPICE AND ADJACENT SPLICES OR BARS.
- ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE HOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS. UNO.
- CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LIFT Joints REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
- REMOVE ALL DEBRIS FROM FORMS BEFORE CASTING ANY CONCRETE.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
- ANCHOR BOLTS (ABS) CAST IN CONCRETE FOR WALL, SILL AND LEDGER APPLICATIONS SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307 UNO. REFER TO STRUCTURAL STEEL NOTE FOR REQUIREMENTS FOR ANCHOR RODS (ARS) CAST IN CONCRETE FOR COLUMN BASE PLATE AND STEEL EMBED APPLICATIONS.
- DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR.
- CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR TRUSSES OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 6 FEET.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE RE-ENTRANT.
- PROVIDE #5 X 4'-0" DIAGONAL REINFORCING AT TOP AND BOTTOM OF SLAB AT ALL RE-ENTRANT CORNERS TYPICAL. THIS APPLIES TO SLAB ON GRADE.
- ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
- NOTIFY STRUCTURAL ENGINEER A MINIMUM OF 48 HOURS BEFORE PLACING ANY CONCRETE.
- CONCRETE STRENGTHS & MIX PROPERTIES:

ITEM	FC @ 28 DAYS	MAX AGGR. SIZE	WEIGHT	MAX W/CM* RATIO
a. FOUNDATIONS	3000 PSI	1-1/2"	NW	0.58
b. SLAB ON GRADE	3500 PSI	2"	NW	0.45

\* W/CM = WATER : CEMENTITIOUS MATERIAL RATIO

REINFORCEMENT LAP SPICE SCHEDULE										
(ALL LENGTHS SHOWN ARE IN INCHES.)										
f'c = 3000 PSI CONC										
SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	28	37	47	56	81	93	105	118	131
	OTHER	22	29	36	43	63	72	81	91	101
f'c = 3500 PSI CONC										
SPLICE CLASS	REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	26	35	43	52	75	86	97	109	121
	OTHER	20	27	33	40	58	66	75	84	93

#### NOTES:

- SCHEDULE APPLIES TO NORMAL WEIGHT CONCRETE WITH UNCOATED, GRADE 60 REINFORCING STEEL FOR #3 BARS AND LARGER.
- TOP REINFORCEMENT IS HORIZONTAL REINFORCEMENT LOCATED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BEFORE THE SPLICE.
- WHEN LIGHTWEIGHT CONCRETE IS USED, MULTIPLY LAP LENGTHS BY 1.30.
- WHERE CLEAR SPACING OF BARS BEING SPLICED IS LESS THAN 2 BAR DIA, MULTIPLY LAP LENGTHS BY 1.50, UNO.
- WHERE NOTES #3 AND #4 OCCUR, MULTIPLY LAP LENGTHS BY 2.00, UNO.
- WHERE CLASS A LAP SPICE IS NOTED IN DETAIL, DIVIDE LENGTHS ABOVE BY 1.30.

#### CONCRETE MASONRY UNITS (CMU)

- ALL MASONRY SHALL BE MANUFACTURED AND PLACED IN ACCORDANCE WITH TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", AND TMS 602 "SPECIFICATION FOR MASONRY STRUCTURES".
- MASONRY UNITS AND COMPONENTS THAT ARE DAMAGED ARE NOT TO BE INSTALLED IN THIS PROJECT. REINFORCEMENT AND ACCESSORIES ARE NOT TO BE STORED ON THE GROUND AND ARE TO BE PROTECTED FROM PERMANENT DISTORTIONS.
- WHEN THE AMBIENT AIR TEMPERATURE IS BELOW 40°F, THE COLD WEATHER PROCEDURES FROM TMS 602, ARTICLE 1-8C ARE TO BE IMPLEMENTED. WHEN THE AMBIENT AIR TEMPERATURE IS ABOVE 90°F, THE HOT WEATHER PROCEDURES FROM TMS 602, ARTICLE 1-8D ARE TO BE IMPLEMENTED.
- CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C90. f'm = 2000 PSI. f'm SHALL BE VERIFIED IN ACCORDANCE WITH TMS 602, ARTICLE 1-4.8.2. CONCRETE BLOCK UNITS SHALL BE MEDIUM WEIGHT LIGHTWEIGHT. ALL MASONRY CONSTRUCTION IS TO BE GROUTED SOLID.
- MORTAR SHALL BE TYPE S PER ASTM C270.
- GROUT SHALL CONFORM TO ASTM C476. THE CONTRACTOR IS TO DETERMINE THE PROPER APPLICATION OF FINE GROUT OR COARSE GROUT BASED ON THE GROUT POUR HEIGHT USED AND THE CLEAR GROUT SPACE WIDTH (FOR MASONRY CONSTRUCTION) OR CLEAR GROUT SPACE DIMENSIONS IN ACCORDANCE WITH TMS 402 TABLE 3.2.1. GROUT SHALL BE PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED f'm VALUE NOTED ABOVE. NOT MORE THAN 5% OF THE PEA GRAVEL SHALL PASS THE NO. 8 SIEVE AND 100% SHALL PASS THE 30" SIEVE. WHEN REQUIRED, GROUT STRENGTH SHALL BE VERIFIED IN ACCORDANCE WITH ASTM C1019. GROUT MIX SHALL HAVE APPROXIMATELY 1 LB OF SIKAGROUT AD, OR APPROVED EQUAL, PER 100 LBS OF CEMENTITIOUS MATERIAL.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. UNO. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
- VERTICAL REINFORCING SHALL CONSIST OF #5 BARS AT 16" ON CENTER, LOCATED AT EACH FACE OF MASONRY WALL. UNO. LOCATE BARS AT ALL CORNERS, WALL ENDS, INTERSECTIONS, JAMBS AND AT EACH SIDE OF A WALL JOINT. LOCATE BARS OR ADD ADDITIONAL BARS DIRECTLY UNDER FRAMING MEMBERS SUCH AS BEAMS, JOISTS, GIRDERS, AND TRUSSES WHERE CENTER TO CENTER SPACING OF FRAMING MEMBERS EXCEED 48" OC. DOWELS WITH STANDARD 90° HOOKS INTO THE FOUNDATION SHALL MATCH AND LAP VERTICAL REINFORCING. TYPICAL, UNLESS NOTED OTHERWISE.
- INTERMEDIATE HORIZONTAL REINFORCING SHALL CONSIST OF #4 BARS AT 24" ON CENTER, LOCATED AT THE CENTER OF THE MASONRY WALL. UNO. LOCATE TWO (2) #5 HORIZONTAL BARS AT ALL ELEVATED FRAMING ASSEMBLIES, SUCH AS ROOFS, FLOORS, AND STAIRS. ALSO, LOCATE ONE #5 HORIZONTAL BAR AT TOPS OF PARAPETS, TOPS OF FREE-STANDING WALLS, AT THE BOTTOM OF ALL WALLS, AND ALIGNED WITH THE SLAB-ON-GRADE. PLACE A #5 BAR AT EACH END OF THE MASONRY WALL ABOVE AND BELOW ALL WALL OPENINGS. UNO. EXTEND THESE BARS A MINIMUM OF 1 LAP LENGTH PAST THE EDGE OF THE OPENING. WHERE EXTENSION CAN NOT BE ACHIEVED, BEND BARS UP OR DOWN FOR A DISTANCE EQUAL TO THE SPECIFIED LAP LENGTH.
- PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS MINIMUM OF 5'-0".
- MINIMUM REBAR CLEARANCE TO FACE SHELL IS ONE BAR DIAMETER OR 12", WHICHEVER IS GREATER. WHERE WALLS ARE EXPOSED TO EARTH OR WEATHER, A MINIMUM COVER FOR THE REINFORCING BARS OF 2" SHALL BE MAINTAINED.
- BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN A CONCRETE CONSTRUCTION JOINT.
- CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD AND END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
- VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL.
- GROUT PLACEMENT SHALL CONFORM TO TMS 602 SECTION 3.5.
- CLEAR OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 5'-4" IN HEIGHT. IN ACCORDANCE WITH TMS 602 SECTION 3.2F, ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS.
- REINFORCEMENT IS TO BE SUPPORTED IN PLACE TO PREVENT DISPLACEMENT CAUSED BY PLACEMENT OF GROUT AND MORTAR OR BY CONSTRUCTION LOADS.
- THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
- ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED INSPECTOR. REFER TO SPECIAL STRUCTURAL INSPECTION SECTION OF THESE NOTES FOR FREQUENCY OF GROUTING INSPECTION.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS, OR KEYS, SHALL BE FORMED BY STOPPING THE POUR OF GROUT 1-1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
- EVERY VERTICAL BAR IN WALLS SHALL BE LAPPED PER THE TABLE BELOW WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. CARRY EACH DOWEL TO WITHIN 3" OF THE BOTTOM OF THE FOUNDATION AND TERMINATE WITH 90 DEGREE HOOK. DOWELS SHALL BE STRAIGHT AND PLUMB.
- ALL EMBEDDED ITEMS (BOLTS, STRAPS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. CUT A HOLE IN THE FACE SHELL TO ATTAIN A MINIMUM OF 1/2" GROUT ALL AROUND EMBEDDED ITEMS AT THE FACE SHELL. WITHIN THE CELL OF THE UNIT, PROVIDE A MINIMUM OF 8" OF GROUT AROUND EMBEDDED ITEMS. AT HORIZONTAL ANCHOR INSTALLATIONS, MAINTAIN A MINIMUM CLEAR DISTANCE OF 10" BETWEEN END OF ANCHOR AND FACE SHELL OF UNIT.
- SINGLE CONDUITS (3/4" MAX) MAY BE PLACED IN VERTICAL CELLS NOT CONTAINING VERTICAL REBAR. NO HORIZONTAL CONDUITS ALLOWED IN WALL CONSTRUCTION.
- ANCHOR BOLTS CAST IN MASONRY SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM F1554 GRADE 36, OR ASTM A307 GRADE A, UNO. BENT BAR ANCHOR BOLTS ARE NOT PERMITTED.
- USE OPEN END BLOCK FOR ALL CONSTRUCTION NOT LAID IN RUNNING BOND.
- ALL REBAR SHALL BE LAP SPLICED AND DEVELOPED AS FOLLOWS (UNO), WHERE EPOXY COATED REBAR IS USED, MULTIPLY LAP LENGTHS BY 1.5. BARS LARGER THAN #6 ARE TO BE LAPPED WITH MECHANICAL SPLICES THAT DEVELOP AT LEAST 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.

CMU SPLICE & DEVELOPMENT LENGTHS  
(f'm = 2000 PSI)

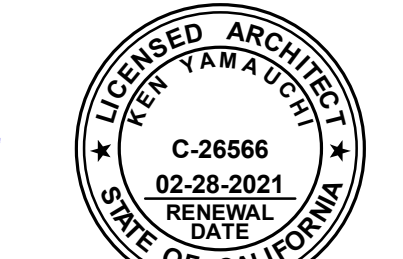
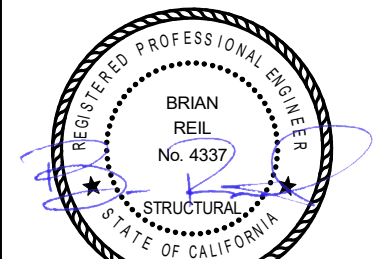
BAR SIZE	fy (KSI)	γ	8" CMU	
			CENTER	E.F.
#3	60	1.0	12"	14"
#4	60	1.0	13"	24"
#5	60	1.0	20"	37"
#6	60	1.3	38"	54"
#7	60	1.3	52"	-
#8	60	1.5	-	-



600 G STREET  
SUITE 200  
SACRAMENTO, CA 95811  
916.443.0303

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Architect/Engineer Of Record:



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HY Architects Project number: Project Number:

Facility  
SAN BENITO COUNTY RESOURCE  
MANAGEMENT AGENCY  
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project  
**NEW BEHAVIORAL  
HEALTH CENTER -  
SITE PACKAGE**

Sheet Title  
**GENERAL NOTES**

Client Project Number:	
Scale:	AS NOTED
Drawn By:	MFA
Checked By:	BOR
Issue Date:	01/15/20
Revisl Version:	Sheet of

**\$1.01**





IF THIS SHEET IS NOT 30"x42", IT IS  
A REDUCED PRINT SCALE ACCORDINGLY

# STRUCTURAL SPECIAL INSPECTIONS AND TESTING

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

## STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

1. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY A TESTING AND INSPECTION AGENCY, EMPLOYED BY THE OWNER (OR OWNER'S AUTHORIZED AGENT), AND APPROVED BY THE BUILDING OFFICIAL TO PROVIDE SPECIAL INSPECTIONS AND TESTING FOR THE PARTICULAR TYPE OF CONSTRUCTION.
2. TABLES OF SPECIAL INSPECTIONS AND TESTING ARE DERIVED FROM THE STRUCTURAL PROVISIONS OF THE CBC AND REFERENCED STANDARDS AND ARE FOR REFERENCE ONLY. THE INCLUDED TABLES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER, TESTING AGENCY AND CONTRACTOR IN DEVELOPING THE SCOPE OF WORK FOR REQUIRED TESTING AND INSPECTION OF STRUCTURAL MATERIALS AND COMPONENTS. FINAL DEFINITION OF THIS SCOPE OF WORK IS TO BE DETERMINED BY THE TESTING AGENCY AND THE OWNER (OR OWNER'S AUTHORIZED AGENT).
3. FREQUENCY OF SPECIAL INSPECTIONS AND TESTING SHALL BE, AT A MINIMUM, AS NOTED FOR THE INDIVIDUAL ELEMENTS WITHIN THE TABLES BELOW. THE CONTRACTOR SHALL COORDINATE TIMING OF SPECIAL INSPECTIONS AND TESTING WITH THE SPECIAL INSPECTION AND TESTING AGENCY PRIOR TO THE START OF CONSTRUCTION. THE TESTING AND INSPECTION AGENCY SHALL PROVIDE DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION, IN ACCORDANCE WITH CBC SECTION 1704.2.1.
5. THE TESTING AND INSPECTION AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR, PER CBC SECTION 1704.2.4. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED OR TESTED CONFORMED TO THE APPROVED CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
6. SPECIAL INSPECTION AND TESTING RECORDS SHALL BE RETAINED BY THE CONTRACTOR ON SITE UNTIL COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL-FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY CBC SECTION 1704.4.
8. THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL SUBMIT TO THE BUILDING OFFICIAL A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND TESTS PER CBC SECTION 1704.2.4, AND REPORTS AND CERTIFICATES PER CBC SECTION 1704.6.
9. ALL SOILS AND FOUNDATION EXCAVATION INSPECTIONS SHALL BE BY THE GEOTECHNICAL ENGINEER OF RECORD, OR A GEOTECHNICAL FIRM HIRED BY THE OWNER PER CBC SECTION 1705.6.
10. SPECIAL INSPECTION IS REQUIRED FOR ALL SHOP FABRICATED MEMBERS OR ASSEMBLIES UNLESS WAIVED PER THE EXCEPTIONS IN CBC SECTION 1704.2.5.
11. DEFINITIONS:
- a. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
  - b. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
  - c. QUALITY ASSURANCE (QA) - MONITORING AND INSPECTION TASKS PERFORMED BY AN AGENCY OR FIRM OTHER THAN THE FABRICATOR OR ERECTOR TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED BY THE FABRICATOR AND ERECTOR MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. QUALITY ASSURANCE INCLUDES THOSE TASKS DESIGNATED SPECIAL INSPECTION BY THE APPLICABLE CODE.
  - d. QUALITY CONTROL (QC) - CONTROLS AND INSPECTIONS IMPLEMENTED BY THE FABRICATOR OR ERECTOR, AS APPLICABLE, TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
  - e. OBSERVE (O) - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
  - f. PERFORM (P) - PERFORM THOSE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
  - g. DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.
12. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED DURING CONSTRUCTION ON THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS AS REQUIRED BY CBC CHAPTER 17. THE TABLES LISTED BELOW, AND THE JURISDICTION'S SPECIAL INSPECTION AND TESTING FORM. IF DISCREPANCIES ARE NOTED, CONTACT THE SEOR. ALL EXCEPTIONS INCLUDED IN CBC CHAPTER 17 ARE PERMITTED TO BE USED.
- SOILS
  - CONCRETE CONSTRUCTION
  - CONCRETE CONSTRUCTION (POST-INSTALLED ANCHORS)
  - MASONRY CONSTRUCTION - LEVEL C
  - STEEL CONSTRUCTION - WELDING INSPECTION
  - STEEL CONSTRUCTION - WELDING TESTING
  - STEEL CONSTRUCTION - BOLTING
  - STEEL COMPOSITE CONSTRUCTION
  - COLD-FORMED STEEL DECK

## MASONRY CONSTRUCTION - LEVEL C - REQUIRED SPECIAL INSPECTIONS AND TESTS

1705.603-1

### MINIMUM TESTS:

1. VERIFICATION OF  $f_m'$  AND  $F_{m,c}$  IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION AND FOR EVERY 5000 SQ. FT. (465 SQ. M) DURING CONSTRUCTION.
2. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE.
3. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.B.3 FOR SELF-CONSOLIDATING GROUT.

### MINIMUM SPECIAL INSPECTION

INSPECTION TASK	FREQUENCY		REFERENCE FOR CRITERIA	
	CONTINUOUS	PERIODIC	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.1/ ASCE 6
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	-	X		Art 1.5
2. VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE				
a. PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	X	Art 2.1, 2.6 A, 2.6 B, 2.6 C, 2.4 G 1.b	
b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	Sec. 6.1	Art 2.4, 3.4
c. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	-	X		Art 3.3 B
d. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	X	-	Sec. 6.1, 6.2.1, 6.2.6, 6.2.7	Art 3.2 E, 3.4, 3.6 A
e. GROUT SPACE PRIOR TO GROUTING	X	-		Art 3.2 D, 3.2F
f. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	X			Art 3.5, 3.6 C
g. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	-	X		Art 3.3 F
h. TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION (INCLUDES POST-INSTALLED ANCHORS)	X		Sec. 1.2.1 (e), 6.1.4.3, 6.2.1	ICC/ACI/ASCE REPORT (POST-INSTALLED ANCHORS)
i. WELDING OF REINFORCEMENT	X	-	Sec. 8.1.6.7.2, 9.3.3.4 (a), 11.3.3.4 (b)	
j. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))		X		Art 1.8 C, 1.8 D
k. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X			Art 3.6 B
l. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X			Art 3.3 B9, 3.3 F.1.b
m. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X			Art 2.1 C.1
3. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	X			Art 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4, B.2.c.3, 1.4, b.3, 1.4 B.4

## STEEL CONSTRUCTION - BOLTING - REQUIRED SPECIAL INSPECTIONS

1705.603-1

INSPECTION TASKS PRIOR TO BOLTING		QC	QA
MANUFACTURER CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS		O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS		O	O
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)		O	O
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL		O	O
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		O	O
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED		P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS		O	O
INSPECTION TASKS DURING BOLTING		QC	QA
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED		O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION		O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING		O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES		O	O
INSPECTION TASKS AFTER BOLTING		QC	QA
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS		P	P

## CONCRETE CONSTRUCTION - REQUIRED SPECIAL INSPECTIONS AND TESTS

CBC TABLE 1705.3

1705.603-1

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD *
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3
2. REINFORCING BAR WELDING:			AWS D.14 ACI 318: 26.5.4
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	
c. INSPECT ALL OTHER WELDS	X	-	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. <sup>1</sup>			ACI 318: 17.8.2.4, 17.8.2
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x	-	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.4.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.4.5
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3
9. INSPECT PRESTRESSED CONCRETE FOR:			ACI 318: 26.10
a. APPLICATION OF PRESTRESSING FORCES	X	-	
b. GROUTING OF BONDED PRESTRESSING TENDONS.	X	-	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 26.9
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.10.2
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11

\* WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

<sup>1</sup> SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

## STEEL CONSTRUCTION - WELDING - REQUIRED SPECIAL INSPECTIONS

1705.603-1

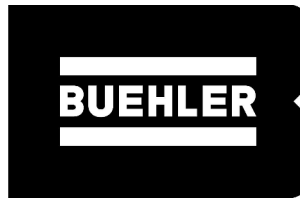
INSPECTION TASKS PRIOR TO WELDING		QC	QA
WELDING PROCEDURE SPECIFICATIONS (WPSS) AVAILABLE		P	P
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE		P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)		O	O
WELDER IDENTIFICATION SYSTEM <sup>1</sup>		O	O
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)			
• JOINT PREPARATION		O	O
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)			
• CLEANLINESS (CONDITION OF STEEL SURFACES)			
• TACKING (TACK WELD QUALITY AND LOCATION)			
• BACKING (TYPE AND FIT (IF APPLICABLE))			
CONFIGURATION AND FINISH OF ACCESS HOLES		O	O
FIT-UP OF FILLET WELDS			
• DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		O	O
• CLEANLINESS (CONDITION OF STEEL SURFACES)			
• TACKING (TACK WELD QUALITY AND LOCATION)			
CHECK WELDING EQUIPMENT		O	-
INSPECTION TASKS DURING WELDING		QC	QA
USE OF QUALIFIED WELDERS		O	O
CONTROL AND HANDLING OF WELDED CONSUMABLES			
• PACKAGING		O	O
• EXPOSURE CONTROL			
NO WELDING OVER CRACKED TACK WELDS		O	O
ENVIRONMENTAL CONDITIONS			
• WIND SPEED WITHIN LIMITS		O	O
• PRECIPITATION AND TEMPERATURE			
WPS FOLLOWED			
• SETTINGS ON WELDING EQUIPMENT		O	O
• TRAVEL SPEED			
• SELECTED WELDING MATERIALS			
• SHIELDING GAS TYPE/FLOW RATE			
• PREHEAT APPLIED			
• INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)			
• PROPER POSITION (F, V, H, OH)			
WELDING TECHNIQUES			
• INTERPASS AND FINAL CLEANING		O	O
• EACH PASS WITHIN PROFILE LIMITATIONS			
• EACH PASS MEETS QUALITY REQUIREMENTS			
INSPECTION TASKS AFTER WELDING		QC	QA
WELDS CLEANED		O	O
SIZE, LENGTH AND LOCATION OF WELDS		P	P
WELDS MEET VISUAL ACCEPTANCE CRITERIA			
• CRACK PROHIBITION		P	P
• WELD/BASE-METAL FUSION			
• CRATER CROSS SECTION			
• WELD PROFILES			
• WELD SIZE			
• UNDERCUT			
• POROSITY			
ARC STRIKES		P	P
K-AREA <sup>2</sup>		P	P
BACKING REMOVED AND WELD TABS REMOVED (IF DESIRED)		P	P
REPAIR ACTIVITIES		P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER		P	P

<sup>1</sup> THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

<sup>2</sup> WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.



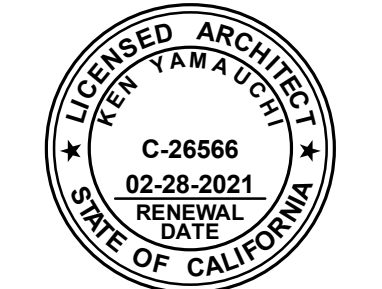
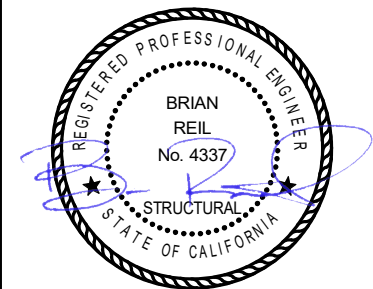
Revisions				
No.	Revisions	By	Date	Appr.



600 G STREET  
SUITE 200  
SACRAMENTO, CA 95811  
916.443.0303

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530.758.1270 tel; 530.758.4789 fax

HY Architects Project number: Project Number:

Facility: SAN BENITO COUNTY RESOURCE MANAGEMENT AGENCY

1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project: NEW BEHAVIORAL HEALTH CENTER - SITE PACKAGE

Sheet Title: STRUCTURAL SPECIAL INSPECTIONS & TESTING

Client Project Number: Sheet

Scale: AS NOTED

Drawn By: MFA

Checked By: BOR

Issue Date: 01/15/20

Revis: Version: Sheet of

S1.02

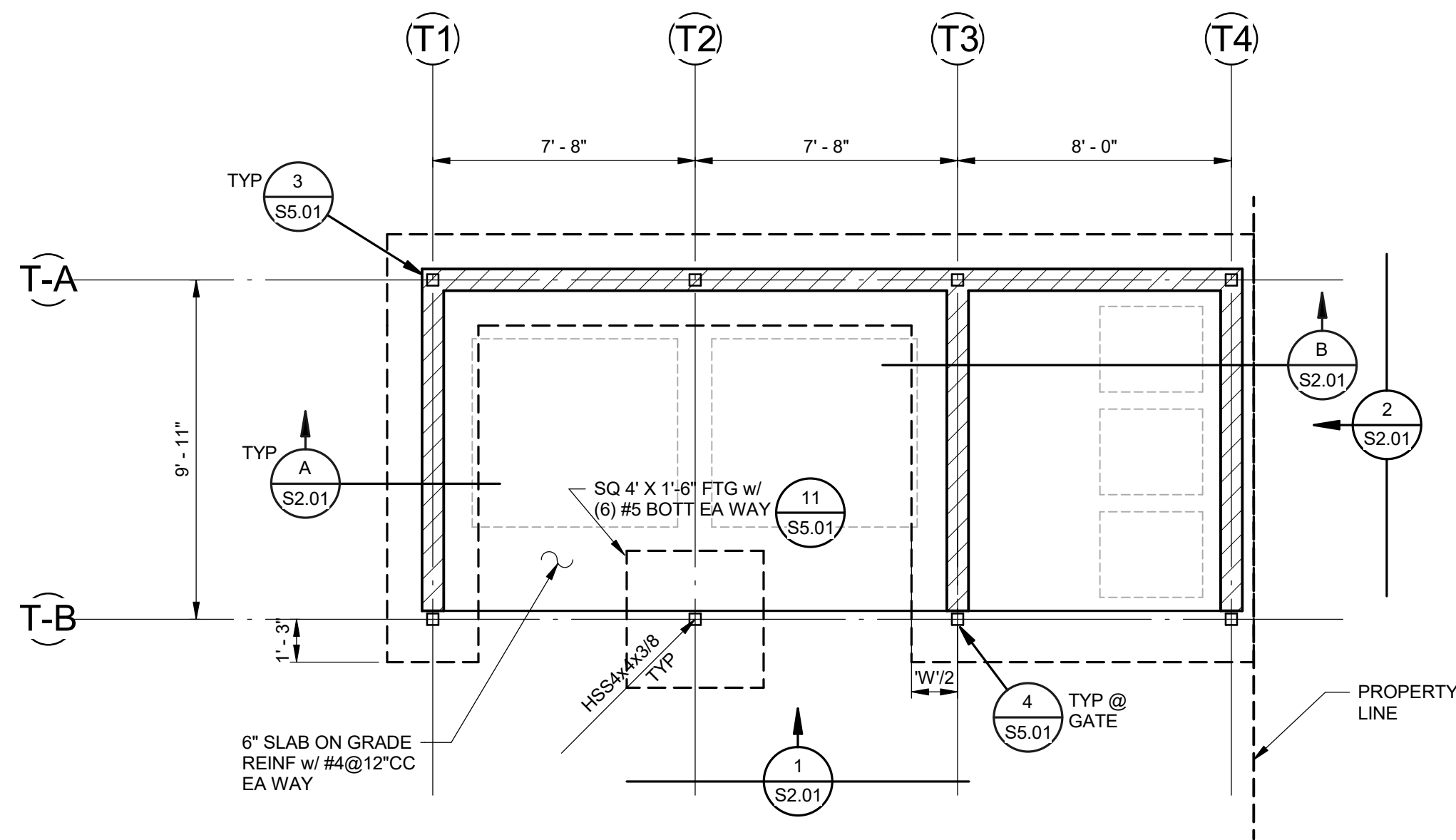




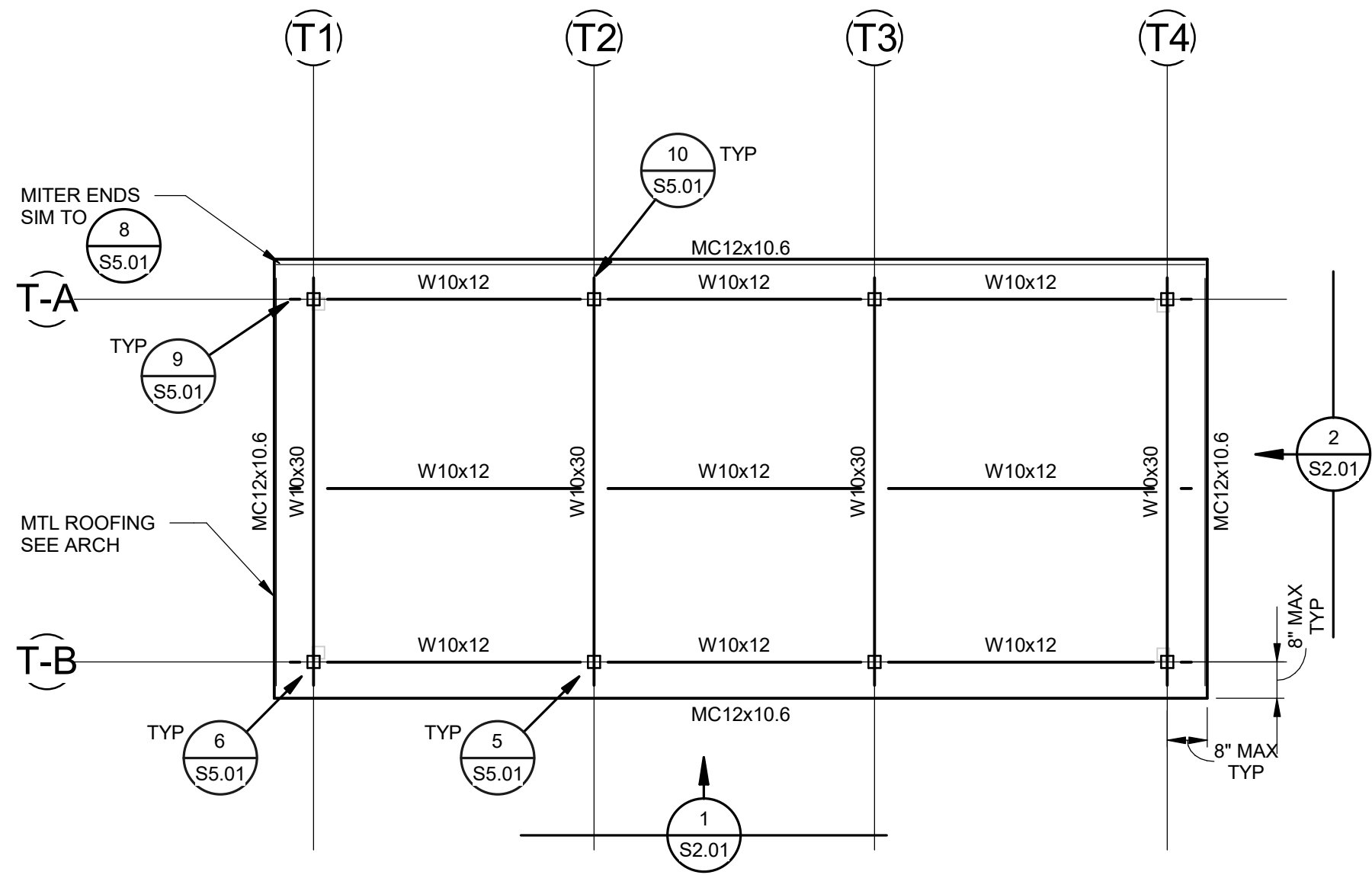
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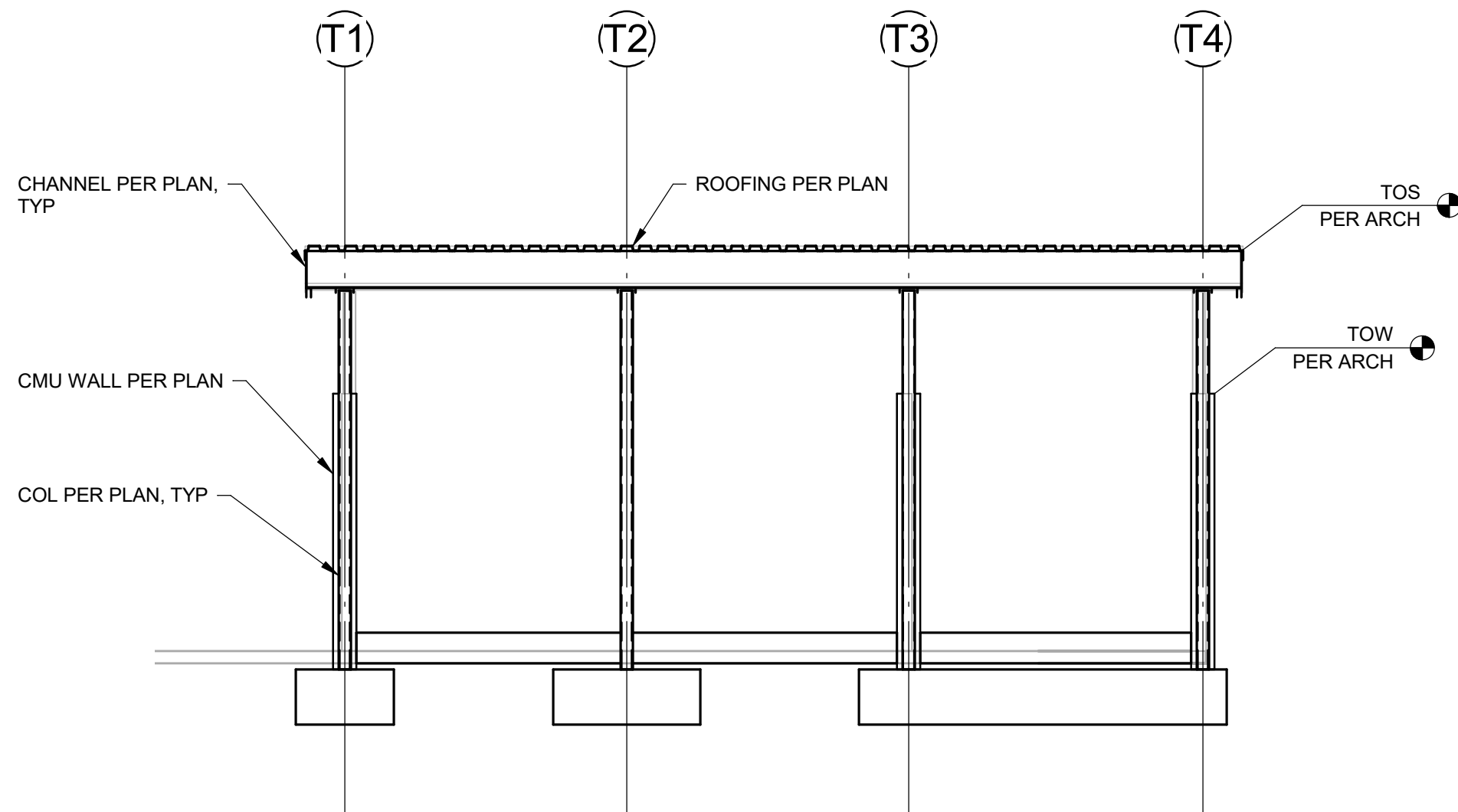
Revisions			
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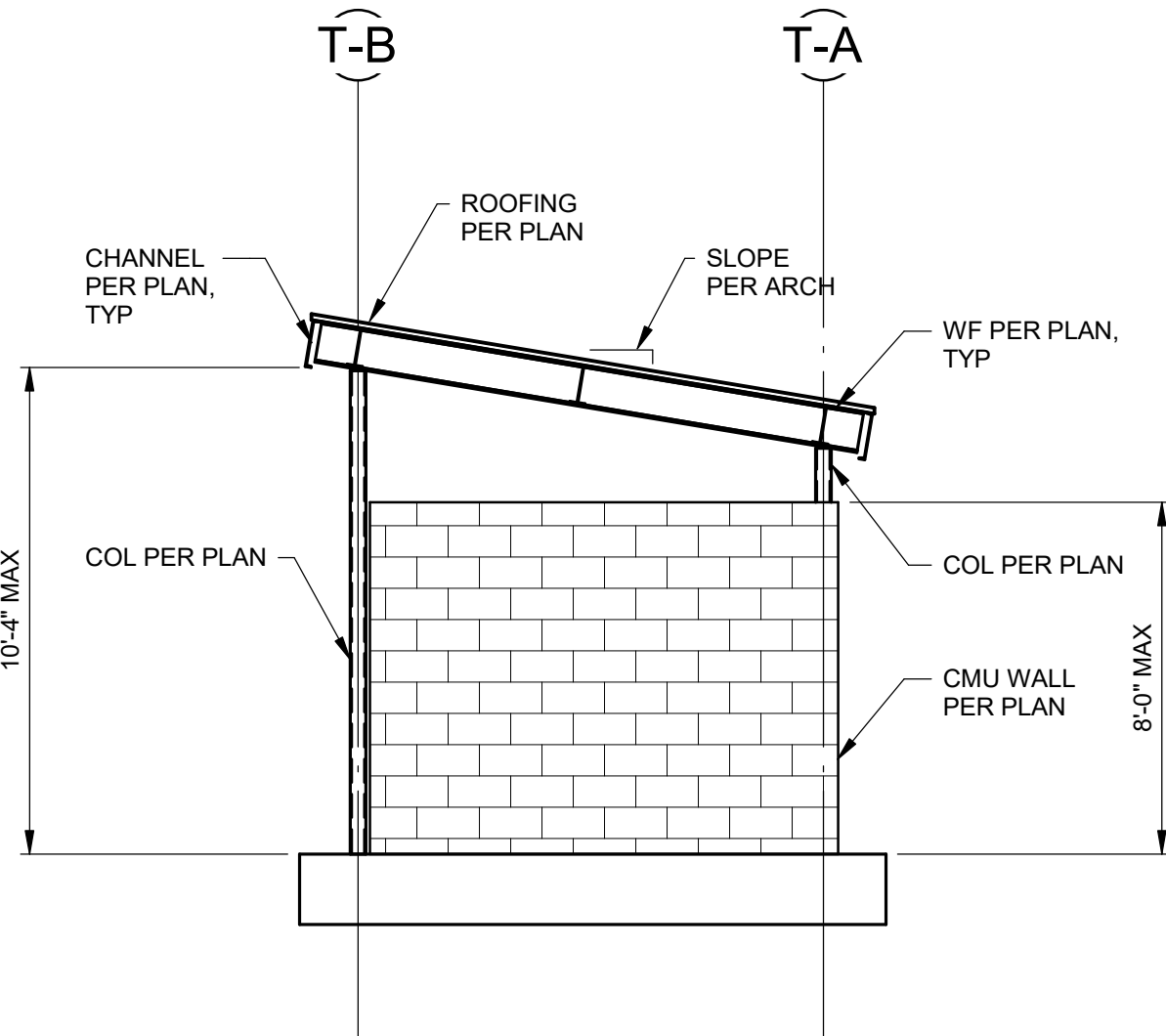
FOUNDATION PLAN — 1/4" = 1'-0"



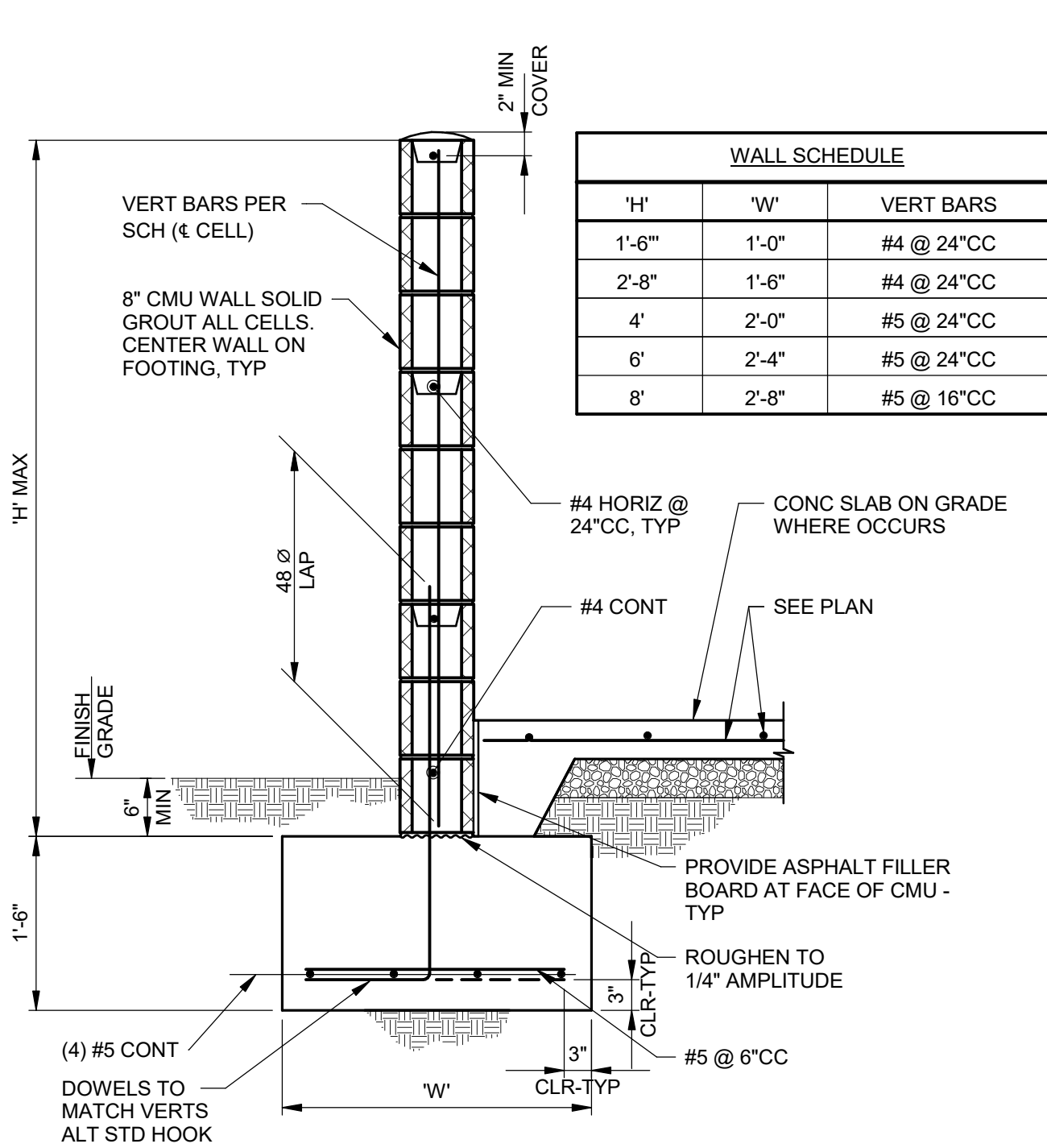
ROOF PLAN — 1/4" = 1'-0"



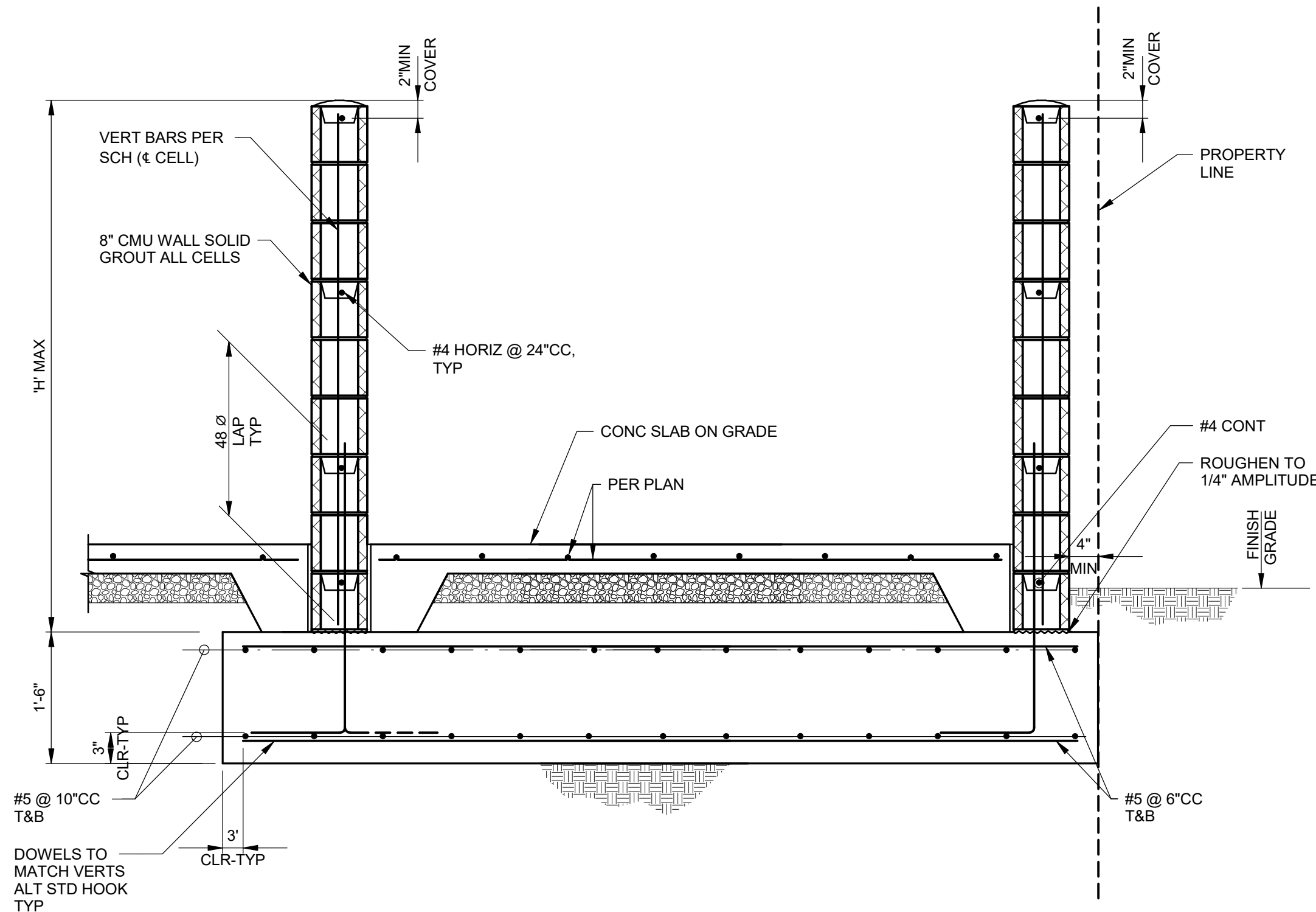
ELEVATION <sup>1</sup>/<sub>S2.01</sub> — 1/4" = 1'-0"



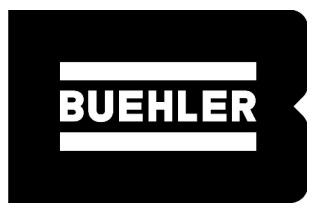
ELEVATION <sup>2</sup>/<sub>S2.01</sub> — 1/4" = 1'-0"



SECTION <sup>A</sup>/<sub>S2.01</sub> — 3/4" = 1'-0"



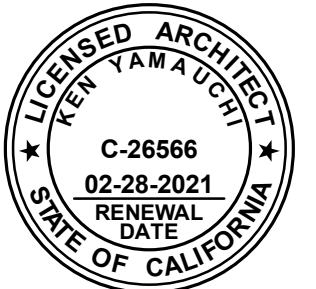
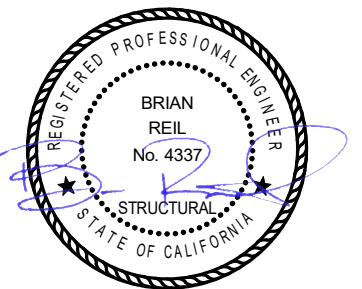
SECTION <sup>B</sup>/<sub>S2.01</sub> — 3/4" = 1'-0"



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Facility  
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MANAGEMENT AGENCY  
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project  
**NEW BEHAVIORAL  
HEALTH CENTER -  
SITE PACKAGE**

Sheet Title  
**PLANS AND ELEVATIONS**

Client Project Number:  
Scale: AS NOTED  
Drawn By: MFA  
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Issue Date: 01/15/20  
Revit Version:  
Sheet of

**S2.01**



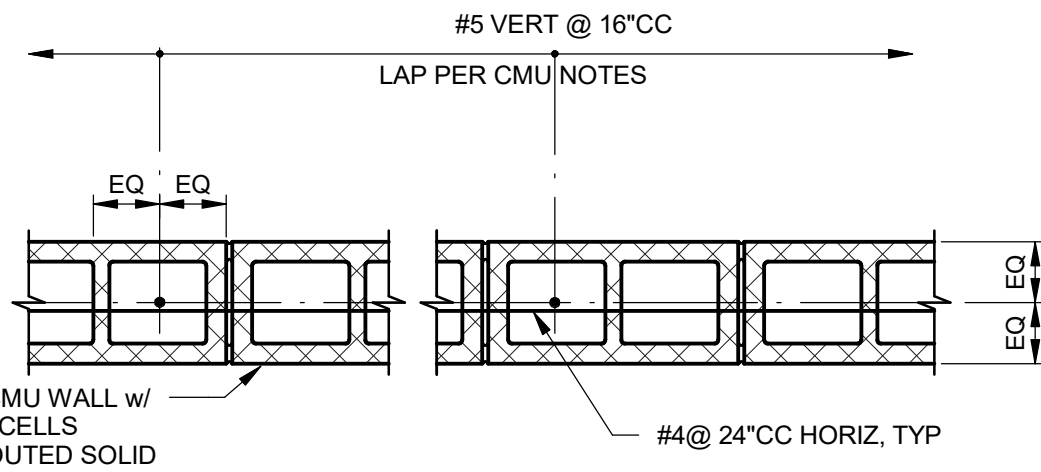


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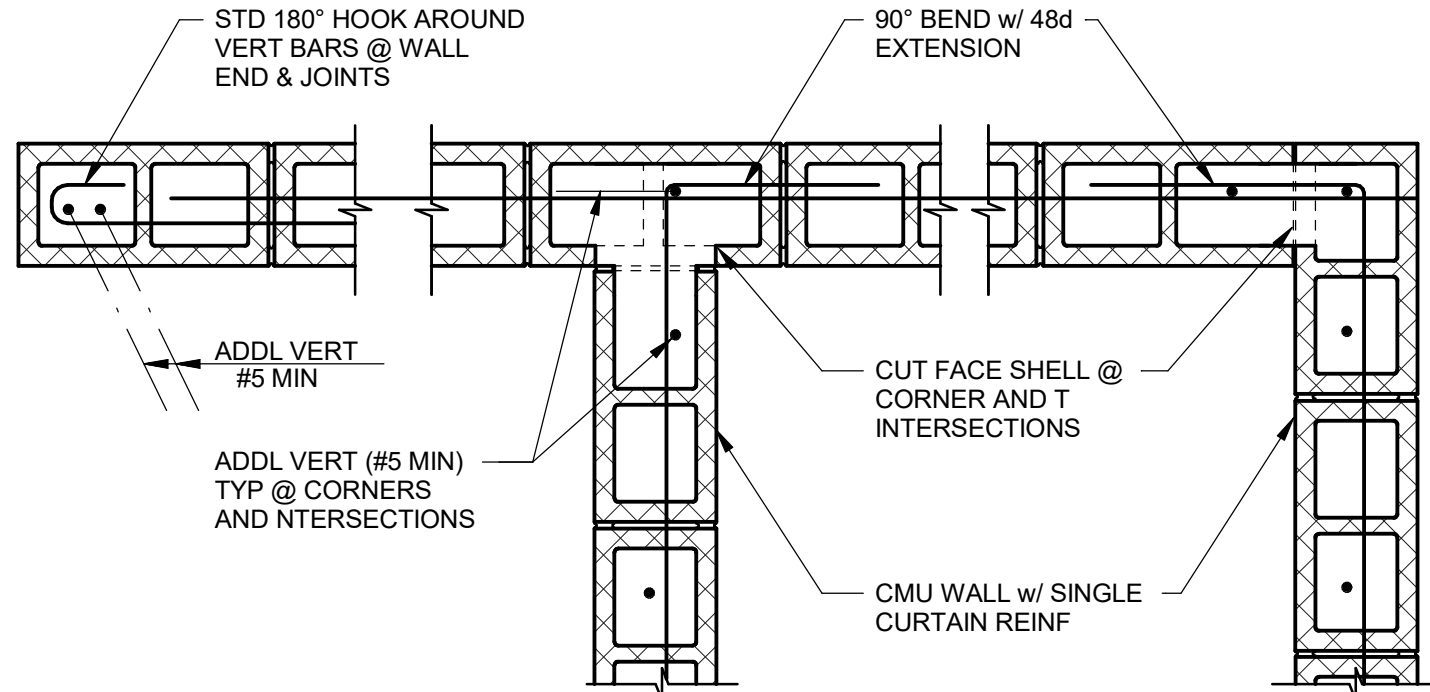
Revisions			
No.	Revisions	By	Date

BEAM CONNECTION SCHEDULE					
BEAM SIZE	NO. & DIA. BOLTS	SHEAR PLATE THICKNESS "T"	W	MAX LOAD CAPACITY	
C12	(3) 7/8" A325-N	1/4"	3/16	39.2K	
W10	(2) 7/8" A325-N	1/4"	3/16	26.1K	
1. THIS SCHEDULE APPLIES TO NON-FRAME CONNECTIONS, TYPICAL. 2. LRFD LOAD CAPACITY PER AISC MANUAL 14TH ED., TABLE 10-10A.					

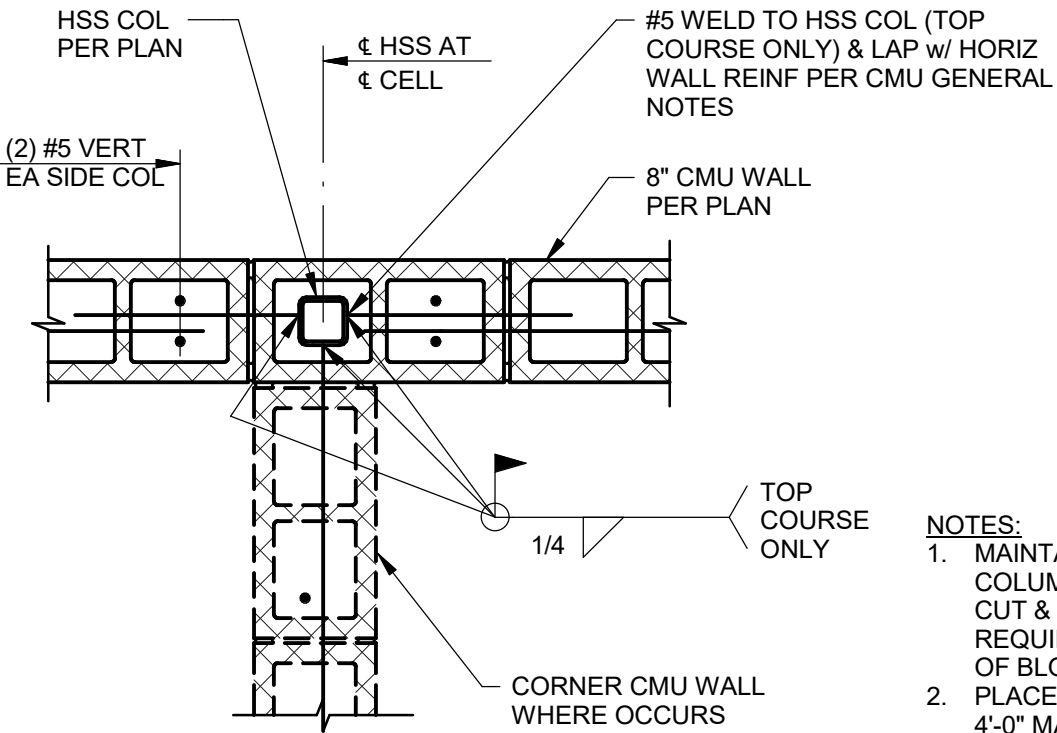


TYPICAL 8" MASONRY REINFORCING

NOTE:  
PROVIDE DOWELS @ FOOTINGS TO MATCH VERTICAL BARS IN SIZE AND LOCATION - LAP SPLICE WITH VERTICAL BARS PER CMU NOTES.



- NOTES:
- CMU UNITS SHALL BE PLACED IN COMMON BOND UNO.
  - LAP ALL VERTICAL BARS WITH MATCHING DOWELS @ FOOTINGS.
  - SEE MASONRY GENERAL NOTES FOR SPLICE LAP LENGTHS. SEE S5.01 FOR TYPICAL REINFORCING.
  - HORIZONTAL BARS AT INTERSECTIONS & CORNERS SHALL BE HOOKED AROUND VERTICAL BARS WITH STANDARD 90° HOOK PLUS AN EXTENSION EQUAL TO THE BAR DEVELOPMENT LENGTH OR 48d MIN. SEPARATE CORNER BARS MAYBE USED IN PLACE OF SINGLE BENDS OF HORIZONTAL BARS.



DETAIL 2 INTERSECTION & CORNER REINF AT WALLS

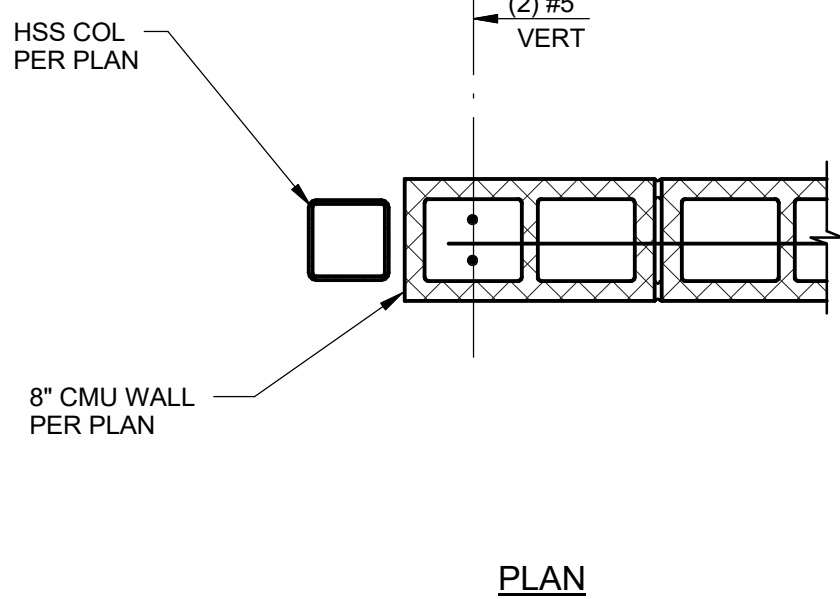
PLAN INTERIOR CONDITION

DETAIL 3 HSS COLUMN IN CMU WALL

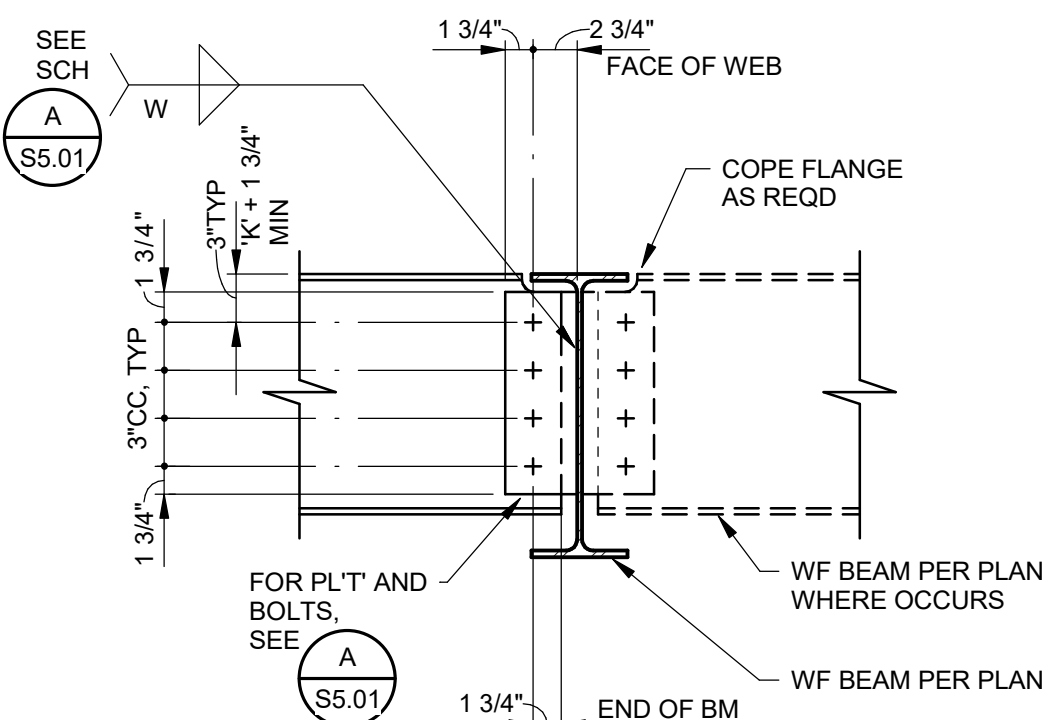
- NOTES:
- MAINTAIN CLOSE TOLERANCE FOR HSS COLUMN SET IN CELLS OF CMU WALL. CUT & REMOVE BLOCK WEBS AS REQUIRED TO FACILITATE PLACEMENT OF BLOCK AND GROUT.
  - PLACE GROUT AROUND COLUMNS IN 4'-0" MAX LIFTS.
  - COORDINATE LOCATION OF DOWELS WITH HORIZ REINF IN MASONRY. DOWELS MAY BE FIELD WELDED TO COL AT CONTRACTOR'S OPTION.

CONNECTION SCHEDULE					
HSS COLUMN SIZE	STFNR # THICKNESS "T"	W	BASE OR CAP PLATE PER DETAIL		
			"A"	"B"	THICKNESS "D"
4x4	1/4	1/4	12"	5"	5/8

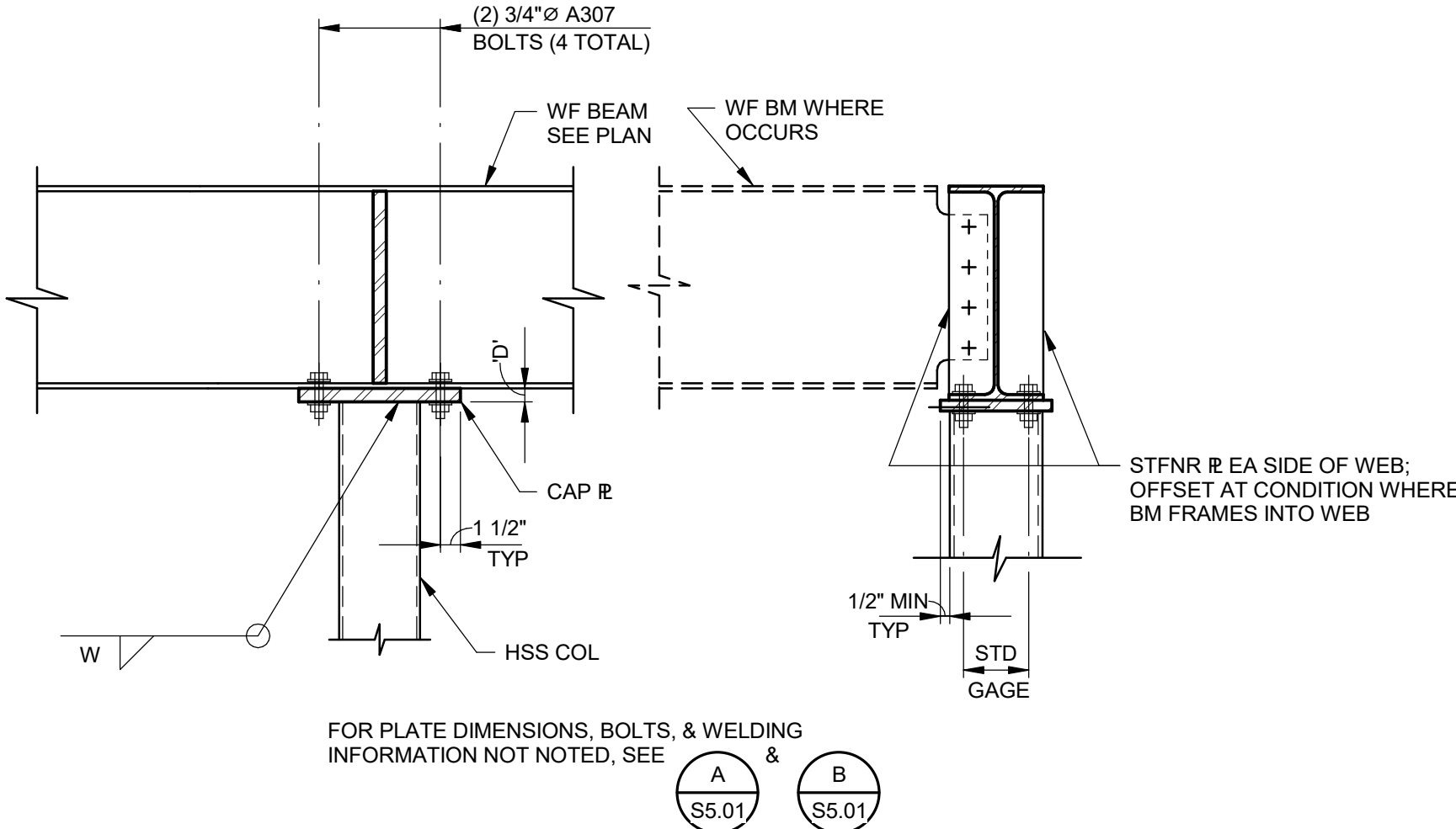
- NOTES:
- USE "T" FOR LARGEST HSS COLUMN AT CONNECTION.
  - "A" INDICATES THE MINIMUM LENGTH. USE THE GREATER LENGTH OF THE BEAM FLANGE OR THE MINIMUM INDICATOR.
  - "B" INDICATES THE MINIMUM WIDTH. USE THE GREATER WIDTH OF THE BEAM FLANGE OR THE MINIMUM INDICATOR.



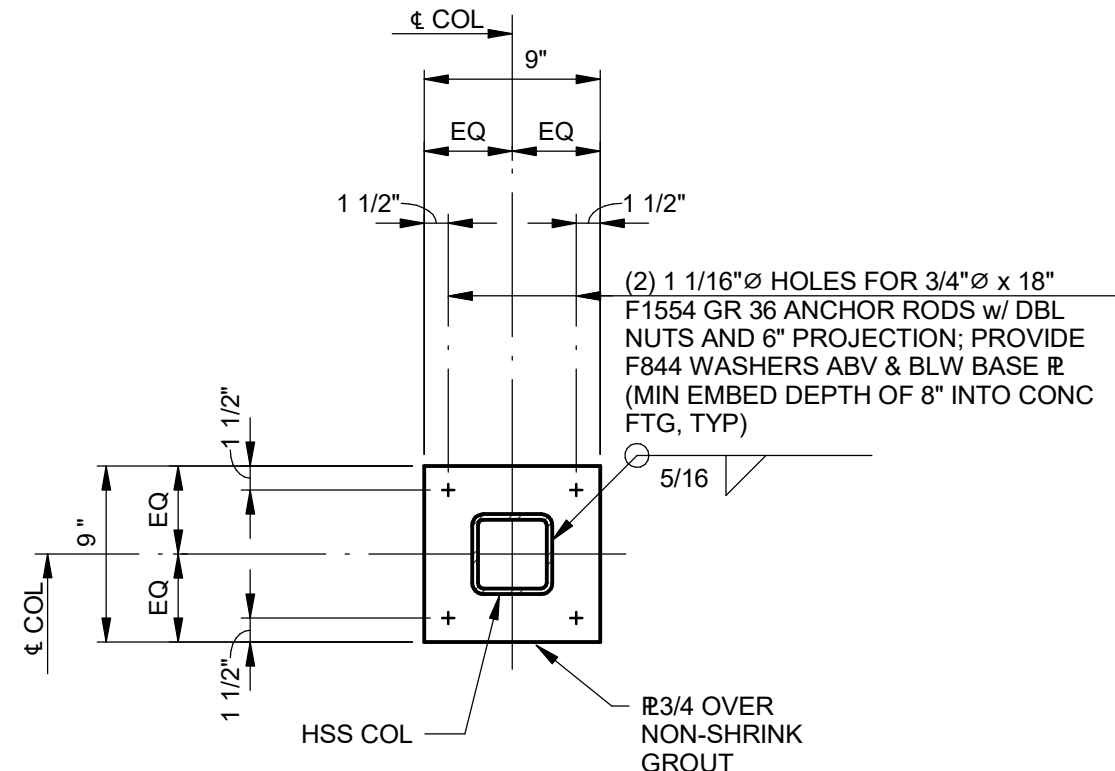
DETAIL 4 HSS COLUMN AT END OF CMU WALL



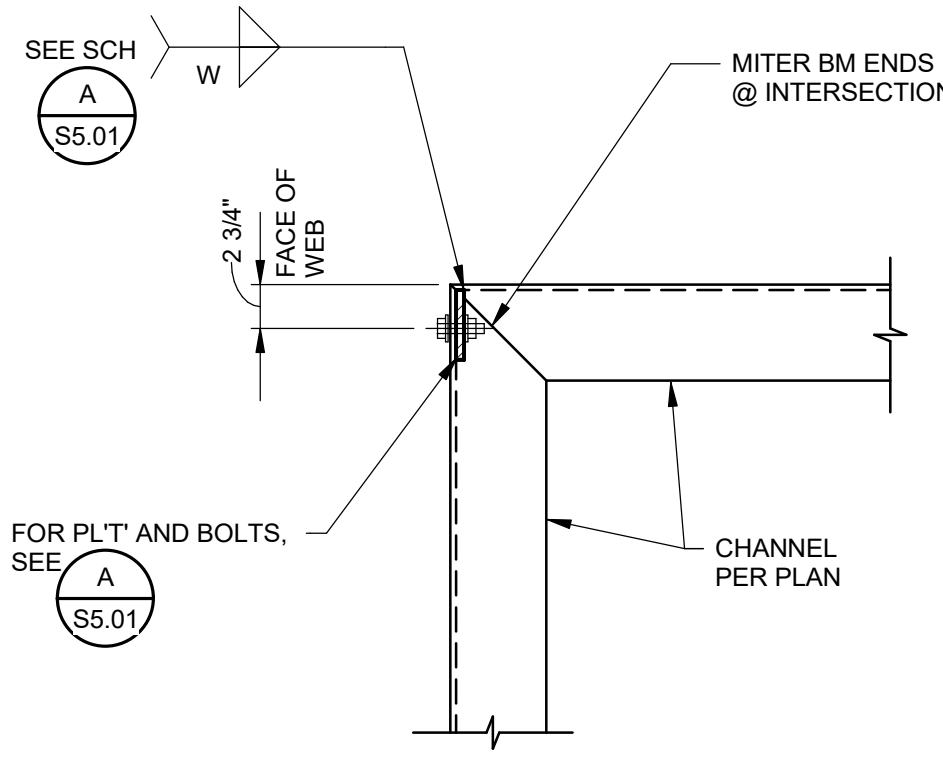
DETAIL 5 WF BEAM TO BEAM TWO SIDES



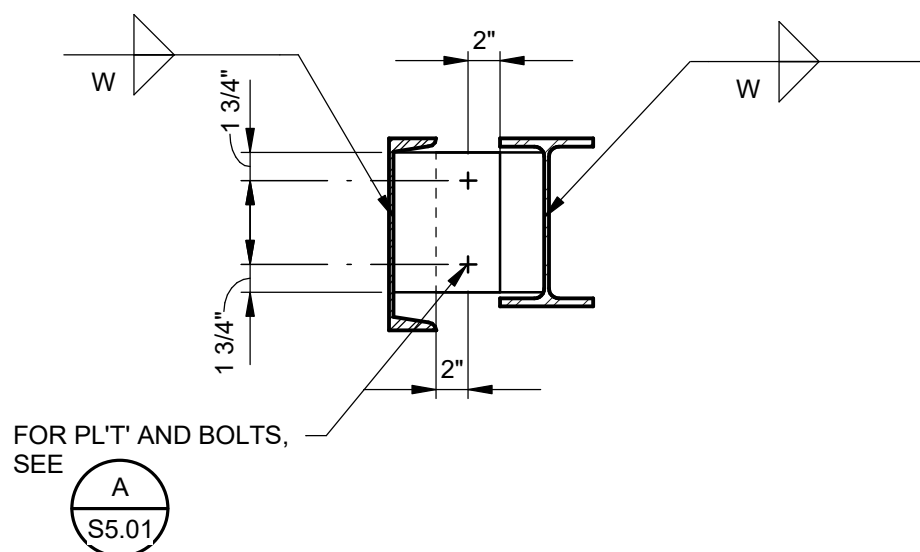
DETAIL 6 WF BEAM or HSS COLUMN



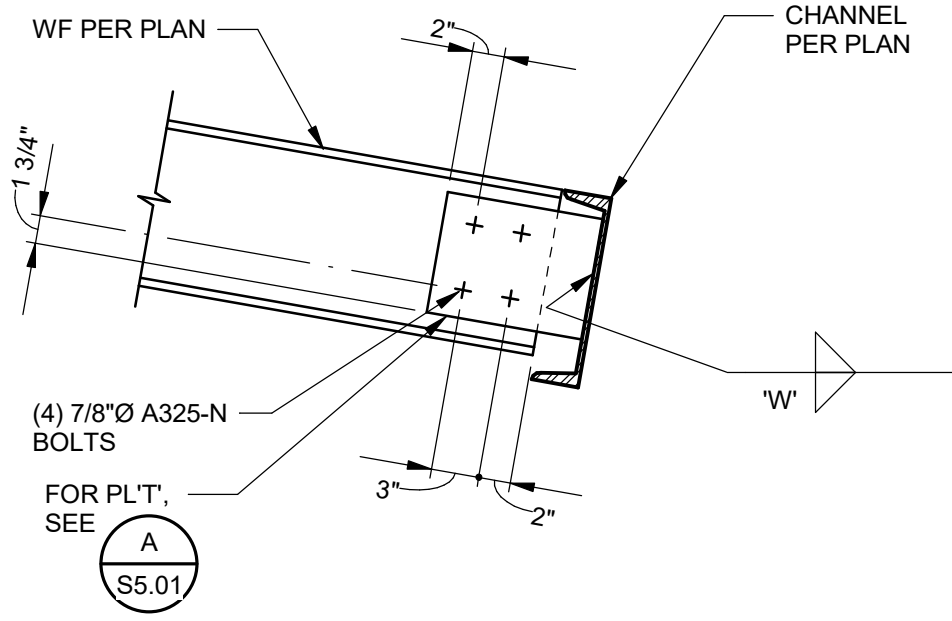
DETAIL 7 BASE PLATE AT HSS COLUMN



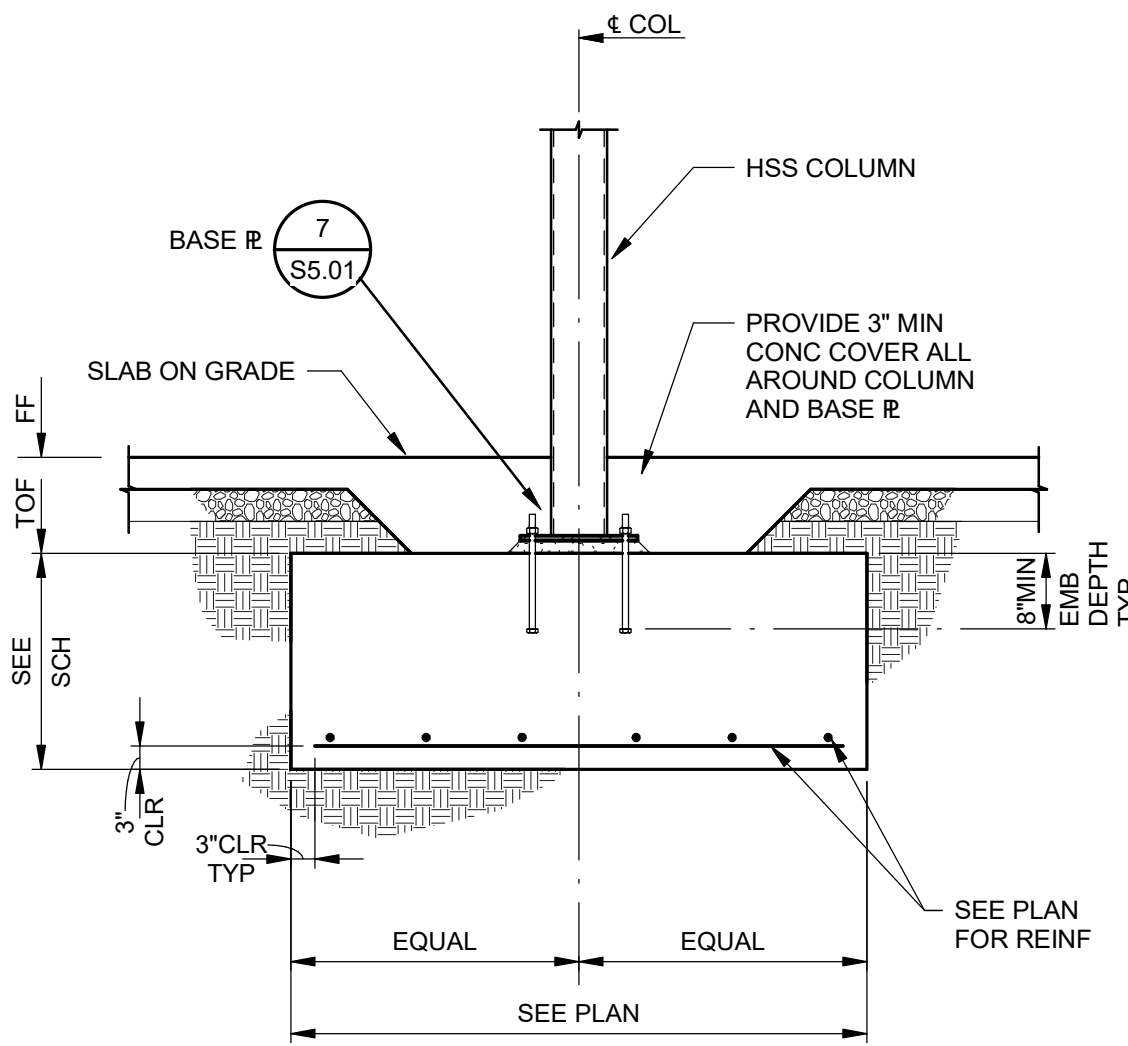
DETAIL 8 HSS COLUMN IN CMU WALL



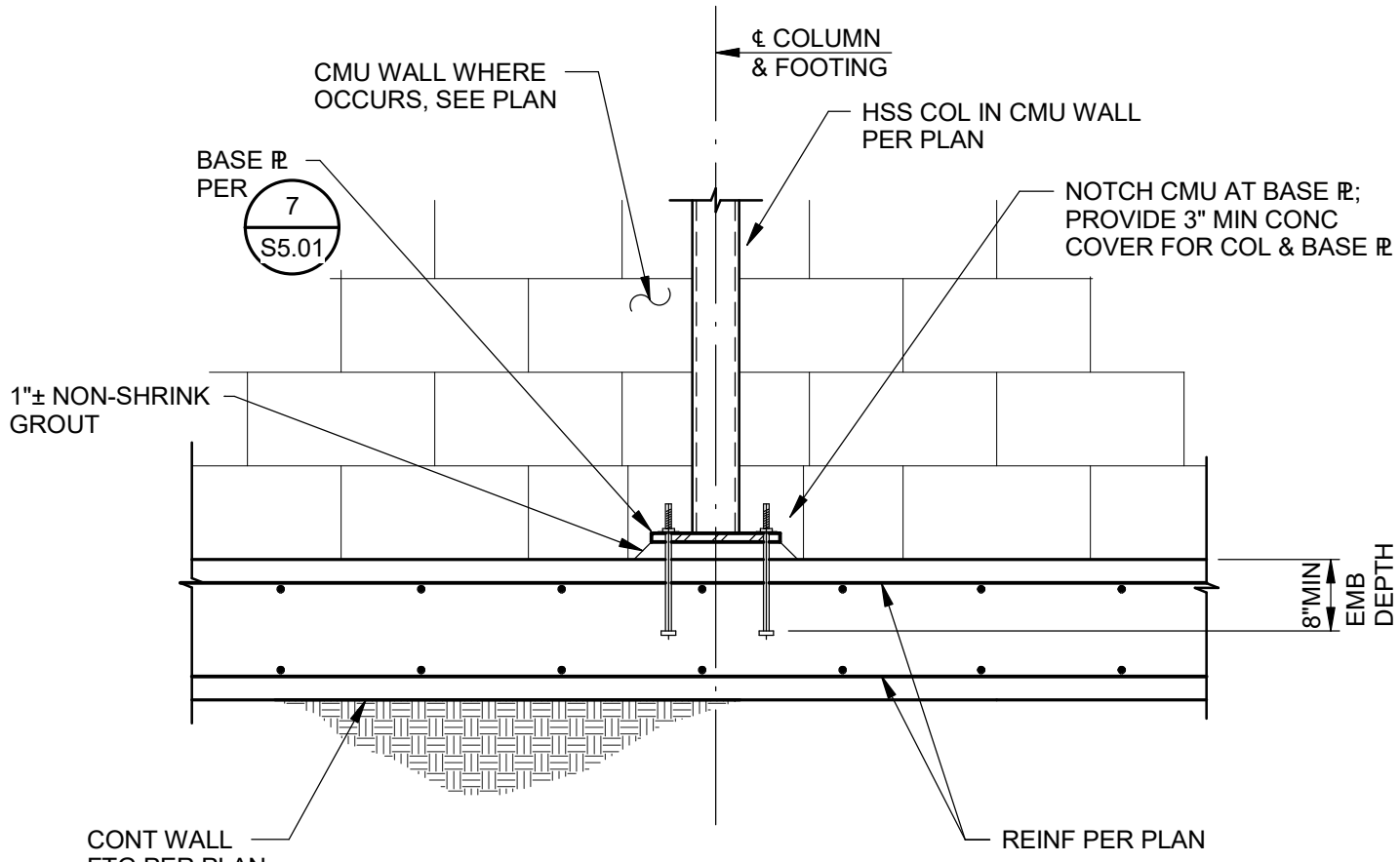
DETAIL 9 WF TO PERIMETER CHANNEL CONNECTION



DETAIL 10 WF TO PERIMETER CHANNEL CONNECTION



DETAIL 11 HSS COLUMN AT SPREAD FOOTING



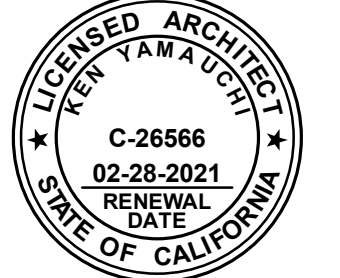
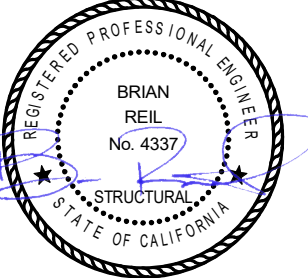
DETAIL 12 BASE PL AT HSS COLUMN IN CMU WALL

NOT FOR CONSTRUCTION  
BID DOCUMENTS

ISSUE DATE: BY: SR

BUEHLER 600 G STREET SUITE 200 SACRAMENTO, CA 95811 916.443.0303

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HY Architects Project number: Project Number:

Facility SAN BENITO COUNTY RESOURCE MANAGEMENT AGENCY 1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project NEW BEHAVIORAL HEALTH CENTER - SITE PACKAGE

Sheet Title DETAILS

Client Project Number: Scale: AS NOTED Drawn By: MFA Checked By: BOR Issue Date: 01/15/20 Revit Version: Sheet of

S5.01



MAIN SWITCHBOARD CEC LOAD CALCULATION			
NOTE: ALL LOADS SHOWN ARE EXPRESSED IN KVA, UNLESS OTHERWISE NOTED.			
LOAD TYPE	CONNECTED LOAD	CEC ADJUSTMENT FACTOR	CALCULATED CEC LOAD
EXTERIOR LIGHTING	2.06	X 125%	2.58
MODULAR PANEL 'A' (BREAKDOWN BELOW)			
LIGHTING	59.50	X 125%	74.38
RECEPTACLES (FIRST 10kVA)	10.00	X 100%	10.00
RECEPTACLES (OVER 10kVA)	65.00	X 50%	32.50
MOTOR LOAD	105.00	X 100%	105.00
LARGEST MOTOR LOAD	16.00	X 25%	4.00
MISCELLANEOUS LOAD	20.00	X 100%	20.00
EV CHARGERS (5)	31.20	X 125%	39.00
TOTAL CONNECTED KVA:		306.70	TOTAL CALCULATED KVA: 284.88
PANEL DESCRIPTION:		800A, 277/480V, 3-PHASE	TOTAL CALCULATED AMP: 342.65

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- PROVIDE SWITCHBOARD WITH HEATER PACKAGE.
- PROVISION SPACE FOR FUTURE SOLAR INTERCONNECTING CIRCUIT BREAKER. CIRCUIT BREAKER SHALL BE INSTALLED AT THE END OF THE BUS PER CEC 705.12(D)(2)(3)(b). PROVISIONED SPACE SHALL BE PROVIDED WITH A LABEL INDICATED "FOR FUTURE SOLAR ELECTRIC" PER ENERGY CODE 110.10(e)(2)(B).
- STUB (3) 3.0" AND (1) 2.0" SPARE CONDUITS WITH PULL STRINGS OUT FROM SWITCHBOARD AND CAP FOR FUTURE USE.
- REFER TO SITE PLAN FOR CONDUIT SIZES.
- STUB (1) 2.0" CONDUIT OUT OF SWITCHBOARD FOR FUTURE MODULAR BUILDING GROUNDING.
- FEEDER FOR ELECTRICAL PANEL TO BE INSTALLED IN SEPARATE PERMIT. CONTRACTOR SHALL MAKE ALL PROVISION FOR INTERCONNECTION.
- PROVIDE A LABEL PER CEC 702.7(C) TO INDICATE THE TYPE OF DERIVED SYSTEM. THE LABEL SHALL CONTAIN THE FOLLOWING WARNING:  
FOR CONNECTION OF A SEPARATELY DERIVED (BONDED NEUTRAL) SYSTEM ONLY.

ABBREVIATIONS			
1PH, 3PH 1P, 2P, 3P 3W, 4W (D) (E) (ER) (N) (R)	1 PHASE, 3 PHASE 1 POLE, 2 POLE, 3 POLE 3 WIRE, 4 WIRE DEMO, DEMOLISH EXISTING EXISTING RELOCATED NEW RELOCATE	MCA MCB MCC MLO MOCP	-M- MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN LUGS ONLY MAXIMUM OVER-CURRENT PROTECTION EMPTY CONDUIT W/ PULL-LINE
A, AMPS AC AF AFF AIC	-A- AMPERES ALTERNATING CURRENT FRAME RATING IN AMPERES ABOVE FINISHED FLOOR AMPERES INTERRUPTING CAPACITY	NC NCTC NEC NEMA	-N- NORMALLY CLOSED NURSE CALL TERMINAL CABINET NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NOT INCLUDED IN ELECTRICAL SCOPE
AL, ALUM ATS AT AWG	ALUMINUM AUTO TRANSFER SWITCH TRIP RATING IN AMPERES AMERICAN WIRE GAUGE	NL NO NTS	NIGHT LIGHT NORMALLY OPEN NOT TO SCALE
BTR	-B- BUILDING TELECOM ROOM	OCP OFCI	-O- OVER-CURRENT PROTECTION OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED
C CB,C/B CEC CT CU	-C- CONDUIT CIRCUIT BREAKER CALIFORNIA ELECTRICAL CODE CURRENT TRANSFORMER COPPER	OFOI	
DC	-D- DIRECT CURRENT	PT PVC	-P- POTENTIAL TRANSFORMER POLYVINYL CHLORIDE CONDUIT
EA ELEC EMT	-E- EACH ELECTRICAL ELECTRICAL METALLIC TUBING	RLA RSC	-R- RUNNING LOAD AMP RIGID STEEL CONDUIT
FA FACP FATC FLA FT	-F- FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FULL LOAD AMPS FOOT OR FEET	SPD SPDT SPST SST	-S- SURGE PROTECTION DEVICE SINGLE POLE DOUBLE THROW SINGLE POLE SINGLE THROW SOLID STATE TRIP
G, GND GA GFCI	-G- GROUND GAUGE GROUND FAULT CIRCUIT INTERRUPTER	TER TR TM TTB	-T- TELECOM EQUIPMENT ROOM TELECOM ROOM THERMAL MAGNETIC TERMINAL BACKBOARD
GFI	GROUND FAULT INTERRUPTER	UG UL UON UPS	-U- UNDERGROUND UNDERWRITERS LAB. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
HOA HP	-H- HAND-OFF-AUTO HORSE POWER	V VA VAC	-V- VOLTS VOLT-AMPS VOLTS ALTERNATE CURRENT
J-BOX	-J- JUNCTION BOX	W WP	-W- WATTS WEATHERPROOF
KVA KW	-K- ONE THOUSAND VOLT-AMPS ONE THOUSAND WATTS	XFMR XFER	-X- TRANSFORMER TRANSFER SWITCH
LCP LTG	-L- LIGHTING CONTROL PANEL LIGHTING		

STANDARD ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	NUMBERED NOTE.
	TRANSFORMER.
	CIRCUIT BREAKER.
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.
	LUMINAIRE TAG, LETTER INDICATES TYPE, SEE LUMINAIRE SCHEDULE.
	EXTERIOR POLE LIGHT, SINGLE LUMINAIRE.
	DISTRIBUTION PANEL/MOTOR CONTROL CENTER.

SHEET INDEX	
SHEET NUMBER	SHEET NAME
E0.01	ABBREVIATIONS, SYMBOLS, ONE LINE, SCHEDULES & SHEET INDEX
E0.02	TITLE 24 COMPLIANCE
E1.00	OVERALL SITE PLAN - ELECTRICAL AND DETAILS
E1.01	SITE PLAN - PHOTOMETRICS
E1.02	SITE PLAN - ELECTRICAL
E2.00	DETAILS
E2.01	DETAILS

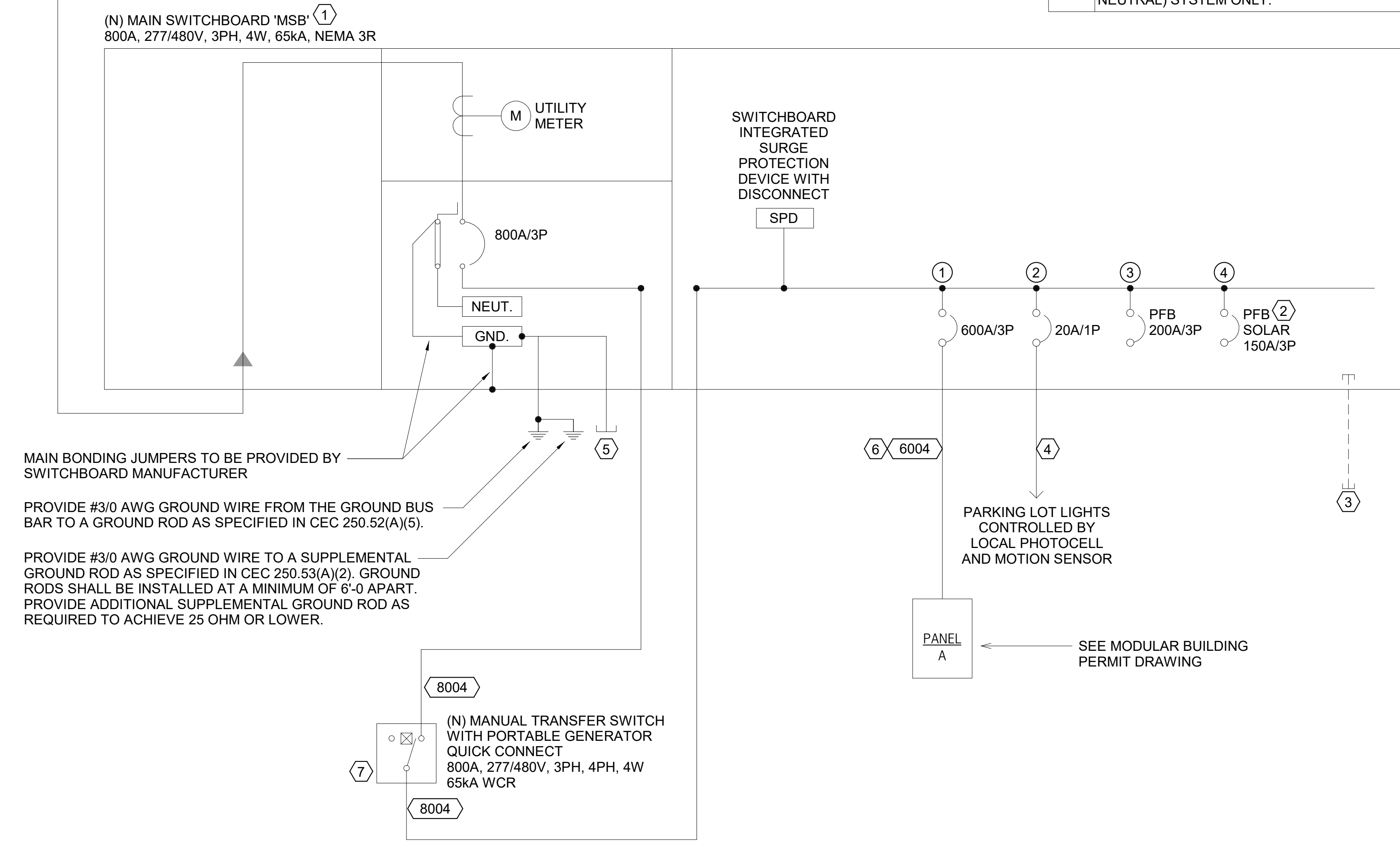
LUMINAIRE SCHEDULE							
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	VOLTS	WATTS	REMARKS
A	PARAMOUNT	C2 1 L84 120-277V	8' STRIP LIGHT	SURFACE	277	84	
B	PARAMOUNT	C2 1 L44 120-277V	4' STRIP LIGHT	SURFACE	277	42	
S1	PHILIPS	ECF-S-32L-1A-NW-G2-3-277-BL-IMRO-PCB-F1-RPA-BK	20' POLE LIGHT	POLE	277	106	PROVIDE WITH PHOTOCELL AND MOTION SENSOR FOR DIMMING CONTROL.
S2	PHILIPS	ECF-S-32L-1A-NW-G2-5W-277-BL-IMRO-PCB-F1-RPA-BK	17' POLE LIGHT W/ 3' CONCRETE BASE	POLE	277	106	PROVIDE WITH PHOTOCELL AND MOTION SENSOR FOR DIMMING CONTROL.
S3	PHILIPS	ECF-S-32L-1A-NW-G2-4-277-BL-IMRO-PCB-F1-RPA-BK	17' POLE LIGHT W/ 3' CONCRETE BASE	POLE	277	106	PROVIDE WITH PHOTOCELL AND MOTION SENSOR FOR DIMMING CONTROL.

COPPER FEEDER SCHEDULE					
FEEDER TAG	FEEDER DISCRPTION	CONDUIT	PHASE/NEUTRAL	GROUND	NOTES
6004	600 AMP, 3 PHASE, 4 WIRE	2-3.50"	2 SETS OF 4 #400 KCMIL	1 #1 AWG PER SET	
8004	800 AMP, 3 PHASE, 4 WIRE	3-3.00"	3 SETS OF 4 #350 KCMIL	1 #1/0 AWG PER SET	

TO PG&E, SEE SITE PLAN FOR ROUTING, TO BE CONFIRMED BY PG&E COMMITMENT LETTER.

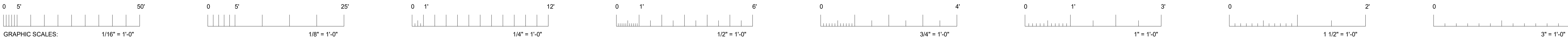
UTILITY TRANSFORMER, SEE SITE PLAN.

PROVIDE (2) 5.0" CONDUITS PER PG&E, SEE SITE PLAN FOR ROUTING.





12/18/2019 11:48:22 D:\007\ED098.01\Drawings (Site)\4652.010 San Benito Behav Health\_ detached\_detached\_ELEC SITE.rvt



IF THIS SHEET IS NOT 30"x42", IT IS  
A REDUCED PRINT SCALE ACCORDINGLY

STATE OF CALIFORNIA  
Outdoor Lighting  
NRCCLTO-E (Created 9/17)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §140.5, §180.0, §180.2, §140.7, and §141.0(b)(2) for outdoor lighting scopes using the prescriptive path.  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 1 of 6  
Date Prepared:

A. GENERAL INFORMATION  
01 Project Location (city) Hollister 04 Total Illuminated Hardscape Area (ft²) 84,700  
02 Climate Zone  
03 Outdoor Lighting Zone per Title 24, Part 1 §100.114 or as designated by Authority Having Jurisdiction (AHJ):  
☐ L2-0: Very Low - Undeveloped Parkland ☐ L2-2: Moderate - Rural Areas ☐ L2-4: High - Must be reviewed by CA Energy Commission for Approval  
☒ L2-1: Low - Developed Parkland ☐ L2-3: Moderately High - Urban Areas  
B. PROJECT SCOPE  
Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.  
My project consists of:  
01 02  
☒ New Lighting System Must Comply with Allowances from §140.7.  
☐ Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? ☐ Yes ☐ No  
Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.  
FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100  
C. COMPLIANCE RESULTS  
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.  
Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)  
01 02 03 04 05 06 07 08 09  
General Hardscape Allowance §140.7(d)(1) + Per Application §140.7(d)(2) + Sales Frontage §140.7(d)(2) + Ornamental §140.7(d)(2) + Per Specific Area §140.7(d)(2) OR Existing Power §141.0(b)(2) = Total Allowed (Watts) ≥ Total Actual (Watts) 07 Must be ≥ 08  
(See Table I) (See Table J) (See Table K) (See Table L) (See Table M) (See Table N) (See Table F)  
2,208.6 + + + + + = 2,208.6 ≥ 2,014 COMPLIES  
Cutoff Compliance (See Table G for Details) Not Applicable  
Controls Compliance (See Table H for Details) DOES NOT COMPLY

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

STATE OF CALIFORNIA  
Outdoor Lighting  
NRCCLTO-E (Created 9/17)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 4 of 6  
Date Prepared:

Calculated General Hardscape Lighting Power Allowance per Table 140.7.A  
Initial Wattage Allowance for Entire Site (Watts): 340  
Total General Hardscape Allowance (Watts): 2,208.6  
J. LIGHTING ALLOWANCE: PER APPLICATION  
This Section Does Not Apply  
K. LIGHTING ALLOWANCE: SALES FRONTAGE  
This Section Does Not Apply  
L. LIGHTING ALLOWANCE: ORNAMENTAL  
This Section Does Not Apply  
M. LIGHTING ALLOWANCE: PER SPECIFIC AREA  
This Section Does Not Apply  
N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)  
This Section Does Not Apply  
O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCL>  
YES NO Form/Title Field Inspector Pass Fail  
● ○ NRCL-LTO-01-E - Must be submitted for all buildings. ☐ ☐  
● ○ NRCL-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance. ☐ ☐

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

STATE OF CALIFORNIA  
Outdoor Lighting  
NRCCLTO-E (Created 9/17)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 2 of 6  
Date Prepared:

D. EXCEPTIONAL CONDITIONS  
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  
No exceptional conditions apply to this project.  
E. ADDITIONAL REMARKS  
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.  
F. OUTDOOR LIGHTING FIXTURE SCHEDULE  
Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).  
Designed Wattage:  
01 02 03 04 05 06 07 08 09 10  
Name or Item Tag Complete Luminaire Description Watts per luminaire¹ How Wattage is determined Total number luminaires Luminaire Status² Excluded per §180.2(a) Design Watts Cutoff Req. > 150W §130.2(b)³ Field Inspector Pass Fail  
S1 20' Pole Light 106 Mfr. Spec⁴ 8 New ☐ 848 ☐ ☐  
S2 20' Pole Light 106 Mfr. Spec⁴ 4 New ☐ 424 ☐ ☐  
S3 20' Pole Light 106 Mfr. Spec⁴ 7 New ☐ 742 ☐ ☐  
Total Designed Wattage: 2,014  
\* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved.  
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).  
FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c).  
¹ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.  
³ Compliance with mandatory cutoff requirements is required for luminaires with wattage > 150 Watts unless exempted by §130.2(b).

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

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CERTIFICATE OF COMPLIANCE  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 5 of 6  
Date Prepared:

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE  
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/2016standards/providers.html>  
YES NO Form/Title Field Inspector Pass Fail  
● ○ NRCL-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires. ☐ ☐

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

STATE OF CALIFORNIA  
Outdoor Lighting  
NRCCLTO-E (Created 9/17)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 3 of 6  
Date Prepared:

G. CUTOFF REQUIREMENTS (BUG)  
This Section Does Not Apply  
H. OUTDOOR LIGHTING CONTROLS  
Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie unswitched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.  
When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 07, do not leave the field blank, instead select NA or Exempt\* from the dropdown list to indicate not applicable or an exemption.  
Mandatory Controls  
01 02 03 04 05 06 07 08  
Area Description Motion Sensor: Incandescent<100W §130.2(c)(a) Shut-Off §130.2(c)(1) Auto-Schedule §130.2(c)(2) Motion Sensor §130.2(c)(3) Sales Frontage §130.2(c)(4) Facade, Ornament, Outdoor Dining §130.2(c)(5) Field Inspector Pass Fail  
\*NOTES: Controls with a \* require a note in the space below explaining how compliance is achieved.  
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).  
I. LIGHTING POWER ALLOWANCE (per §140.7)  
Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7.A while "Use it or lose it" Allowances are per Table 140.7.B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.  
Calculated General Hardscape Lighting Power Allowance per Table 140.7.A  
01 02 03 04 05 06 07 08 09  
General Hardscape Allowance ☒ Per Application ☐ Sales Frontage ☐ Ornamental ☐ Per Specific Area ☐  
Table I (below) Table J Table K Table L Table M  
02 03 04 05 06 07 08 09  
Area Description Illuminated Area (ft²) Allowed Density (W/ft²) Area Allowance (Watts) Perimeter Length (ft) Linear Wattage Allowance (LWA) (Watts) Allowed Density (W/ft²) Linear Allowance (Watts) AWA + LWA (Watts)  
Parking Lot 84,700 0.02 1,694 1,694 6.15 174.6 1,868.6  
Table Continued

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

STATE OF CALIFORNIA  
Outdoor Lighting  
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CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Project Name: New Behavioral Health Center  
Project Address: 1131 San Felipe Rd, Hollister, CA 95023  
Report Page: Page 6 of 6  
Date Prepared:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  
Documentation Author Name: Jason Yip Documentation Author Signature:  
Company: EDGE Electrical Consulting Inc. Signature Date:  
Address: 1801 7th Street, Suite 150 CEA/ HERS Certification Identification (if applicable):  
City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460  
RESPONSIBLE PERSON'S DECLARATION STATEMENT  
I certify the following under penalty of perjury, under the laws of the State of California:  
1. The information provided on this Certificate of Compliance is true and correct.  
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)  
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.  
Responsible Designer Name: Donny Lee Responsible Designer Signature:  
Company : EDGE Electrical Consulting Inc. Date Signed:  
Address: 1801 7th Street, Suite 150 License: E 017376  
City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> September 2017

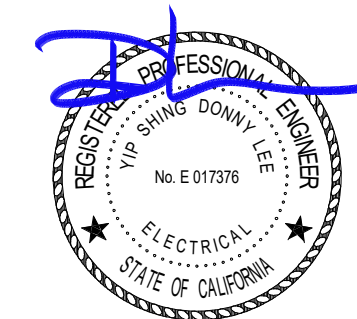


Revisions				
No.	Revisions	By	Date	Appr.

**EDGE**  
ELECTRICAL CONSULTING

1801 7th Street, #150 300 27th Street , #201  
Sacramento, CA 95811 Oakland, CA 95612  
office 916.256.2460 office 510.775.3836  
PROJECT NO. E099.01 CONTACT DONNY

This document is the property of the Owner and is not to be used without his written permission  
Architect/Engineer Of Record:



**HY** HIBSER YAMAUCHI  
Architects, Inc.  
4602 2nd Street, Suite 3  
Davis, CA 95618  
530.758.1270 tel | 530.758.4789 fax

HY Architects Project number: Project Number

Facility  
SAN BENITO COUNTY  
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project  
NEW BEHAVIORAL HEALTH  
CENTER SITE PACKAGE

Sheet Title  
TITLE 24 COMPLIANCE

Client Project Number: Sheet  
Scale:  
Drawn By: DEVON S  
Checked By: DONNY  
Issue Date: 01/15/20  
Revit Version: Sheet of  
**E0.02**





IF THIS SHEET IS NOT 30"x42", IT IS  
A REDUCED PRINT SCALE ACCORDINGLY



Revisions				
No.	Revisions	By	Date	Appr.

## NUMBERED NOTES

- 1 D-RING FIBER OPTIC CABLE MOUNTING SUPPORT, SPACE AT 48" O.C., TYPICAL. REFER TO DETAIL 22/E1.00 FOR MORE DETAILS.
- 2 PROVIDE (N) 36"x36" TERMINAL CABINET. FIELD VERIFY MOUNTING LOCATION TO COORDINATE WITH CONDUIT PENETRATION ON EXTERIOR WALL.
- 3 (N) CONDUIT ROUTING PLAN TO (N) BUILDING. REFER TO CIVIL PLAN.
- 4 SEE E1.02 FOR CONTINUATION.
- 5 (1) 4"C FROM CONCRETE STUB UP TO GO UP ALONG THE WALL TO TERMINAL CABINET ABOVE. CONDUIT WILL BE COVERED WITH METAL SHROUD COVER. REFER TO ARCHITECTURAL DRAWING FOR METAL SHROUD COVER DETAIL. PAINT TO MATCH (E) DOWNSPOUT ON THE EAST SIDE OF WALL.
- 6 EZ-PATH NEZ44 FOR NON RATED PATHWAY LOCATED IN IT CLOSET. REFER TO DETAIL 29/E2.00 FOR MORE DETAILS.
- 7 EZ-PATH FOR FIRE RATED PATHWAY. REFER TO DETAIL 28/E2.00 FOR MORE DETAILS.
- 8 REFER TO DETAIL 15/E1.00 FOR PANEL MOUNTING ON UNISTRUT DETAIL.
- 9 EZ-PATH NEZ44 FOR NON RATED PATHWAY LOCATED IN SERVER ROOM. REFER TO DETAIL 29/E2.00 FOR MORE DETAILS.

(E) STRUCTURAL WOOD JOIST.

TYPICAL #12 WOOD SCREW OR #12 SMS FOR METAL STUD, PROVIDE NECESSARY HOLLOW WALL ANCHOR IF SCREW LOCATION WILL NOT ATTACHED TO STRUCTURAL SUPPORT.

D-RING CABLE MANAGEMENT FOR TELECOM WIRES. SPACE AT 48" O.C. MAX.

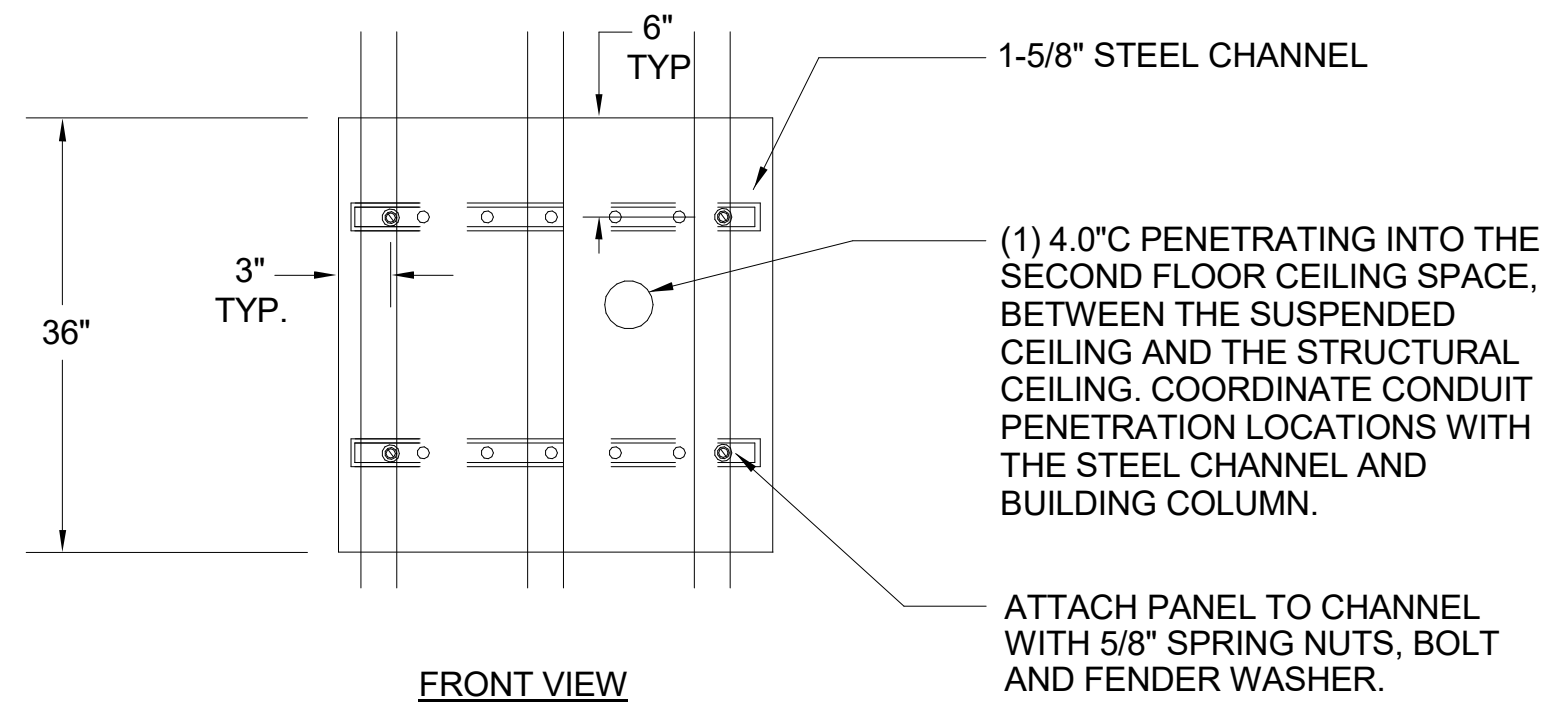
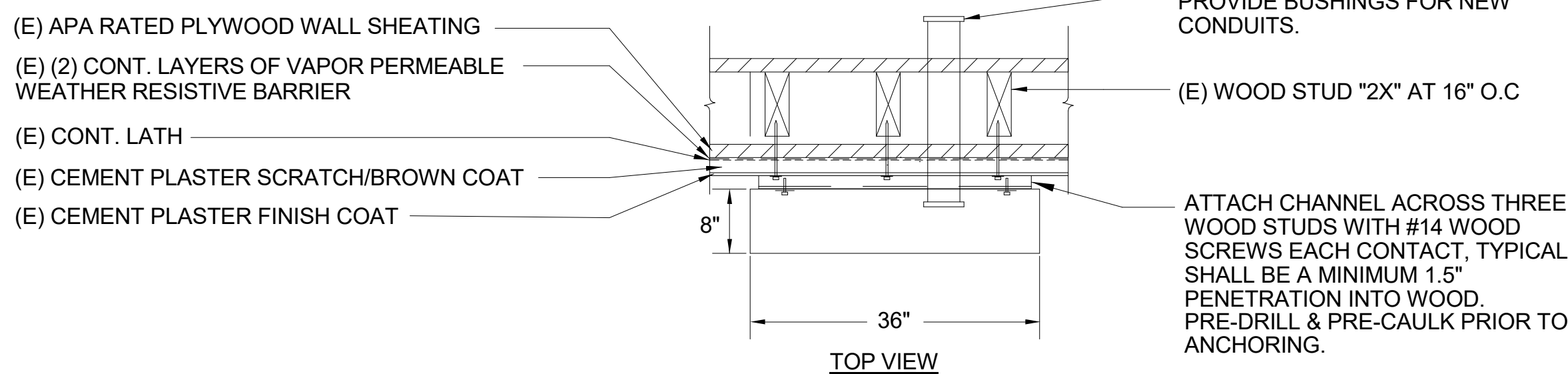
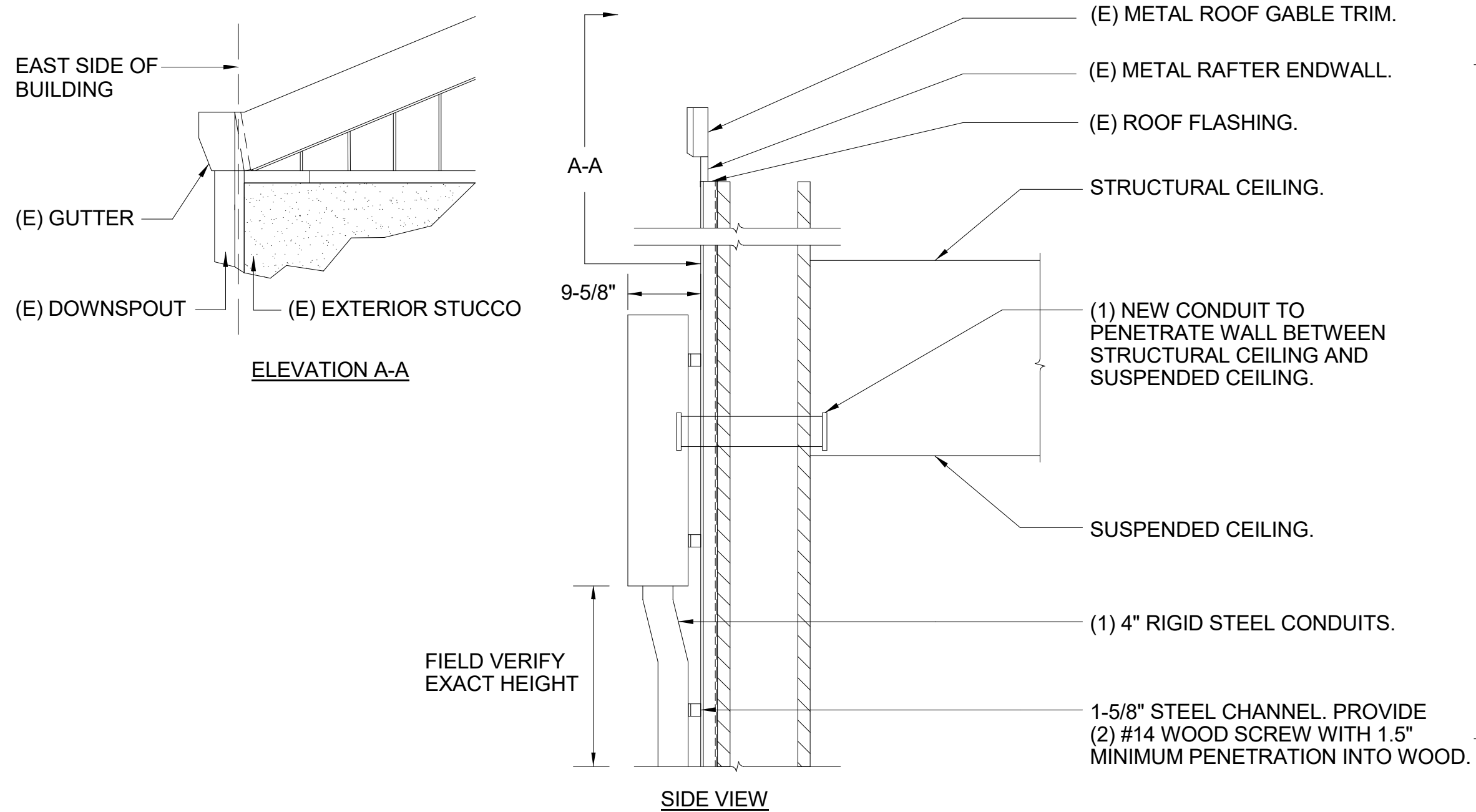
(E) GYP BOARD.

(E) TYPICAL-CROSS "T" BAR "T" BAR.

(E) SUPPORT WIRE, SECURE TO BLDG. STRUCTURE.  
(E) TYPICAL-TILE.

## 22 D-RING MOUNTING DETAIL

NO SCALE

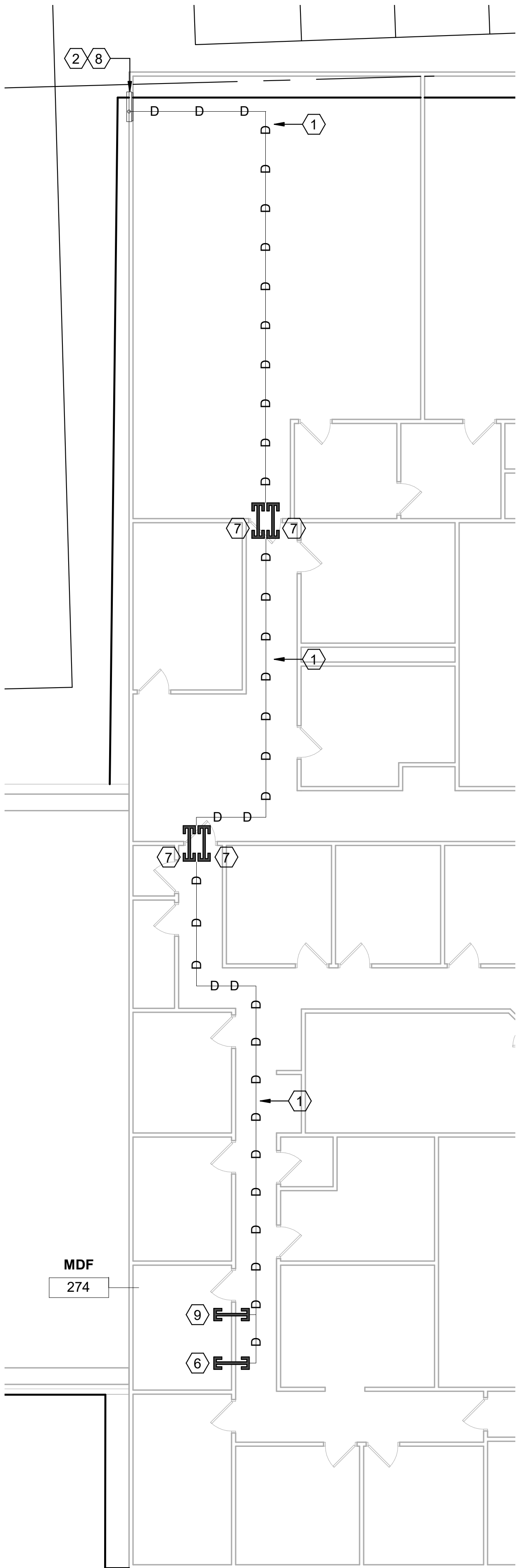


### NOTES:

1. USE FENDER WASHERS ON ALL SCREWS.
2. WEIGHT- 150 LBS. MAXIMUM
3. MIN O.C. SPACING OF SCREWS IS 1" TYPICAL, UNLESS NOTED.  
MIN EDGE DISTANCE - CENTER LINE SCREW TO MEMBER EDGE IS 1/2" TYP. UON.

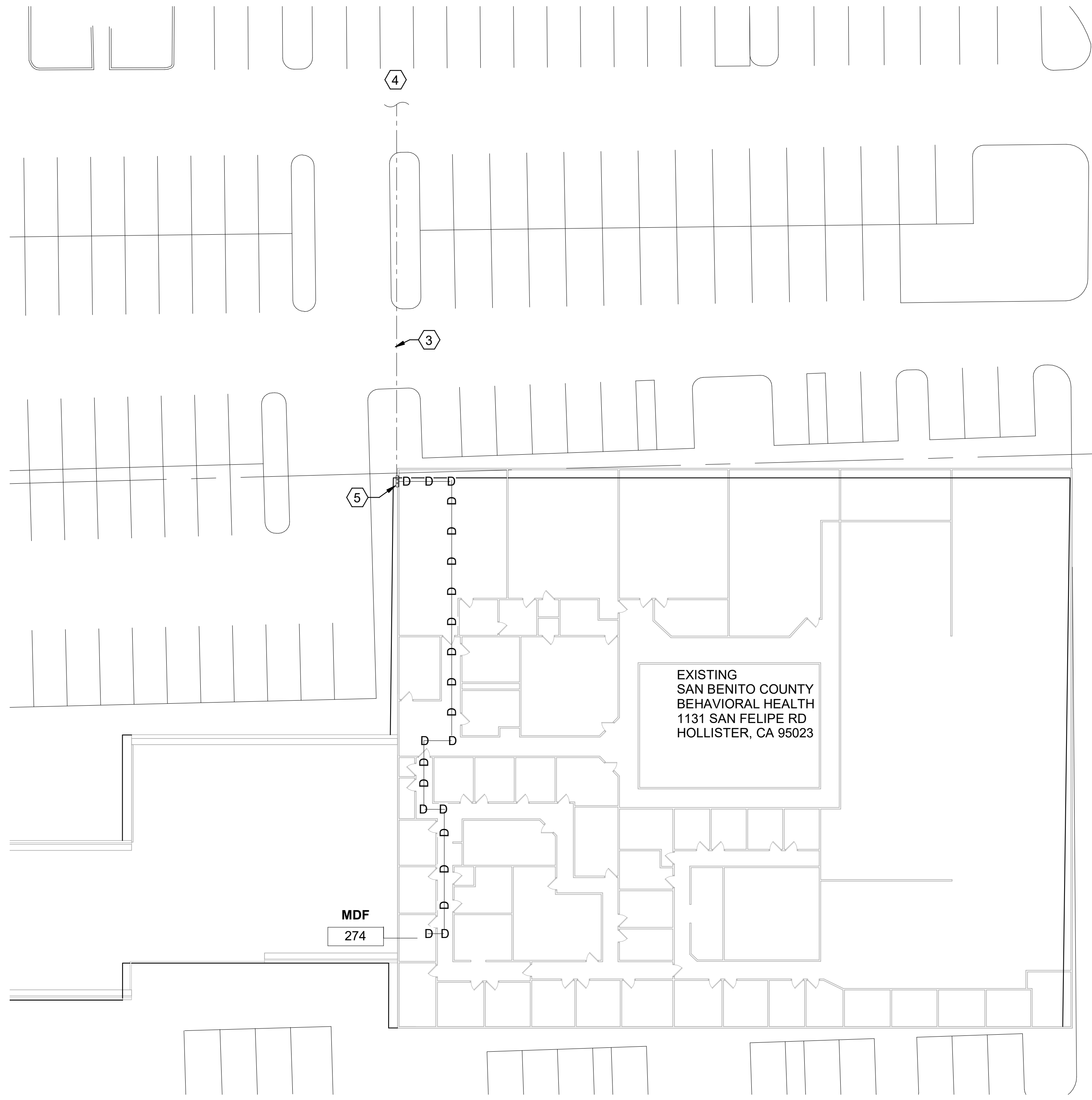
## 15 SURFACE MOUNTED PANEL ON UNISTRUT DETAIL

NO SCALE



## 30 ENLARGED PARTIAL NORTH SIDE FLOOR PLAN

NO SCALE



## 25 SECOND FLOOR & SITE PLAN - ELECTRICAL

NO SCALE



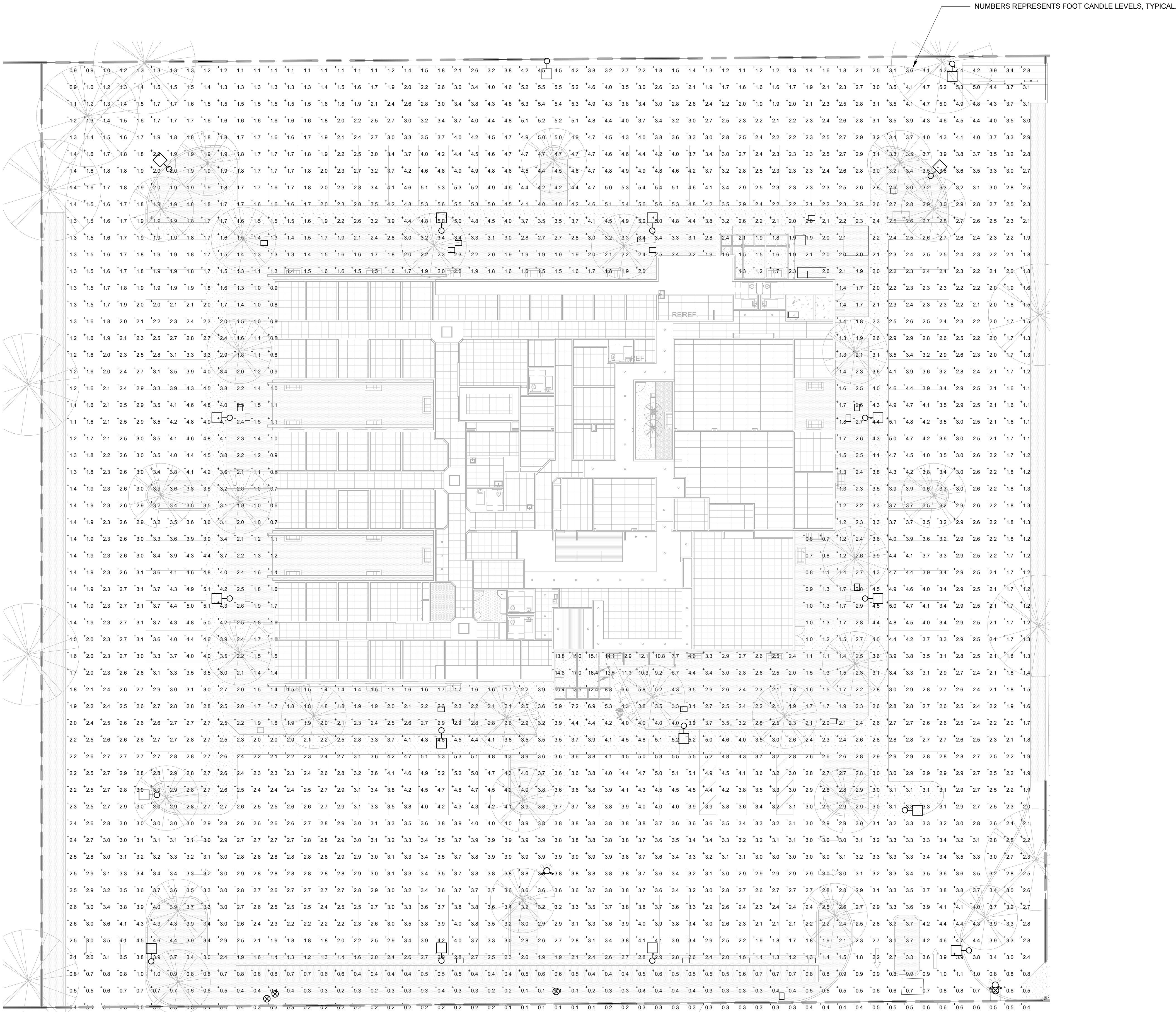
12/18/2019 11:43:32 D:\0017E099.01\Drawings (Site)\4452.010 San Benito Behav Health\_ detached\_detailed\_ELEC SITE.rvt



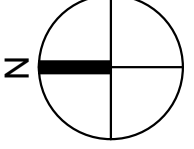
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Revisions				
No.	Revisions	By	Date	Appr.



1 SITE PLAN - PHOTOMETRICS  
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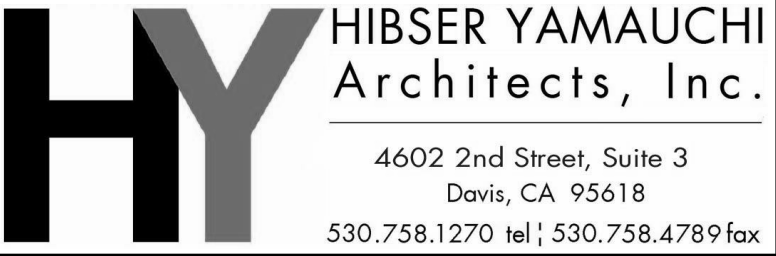
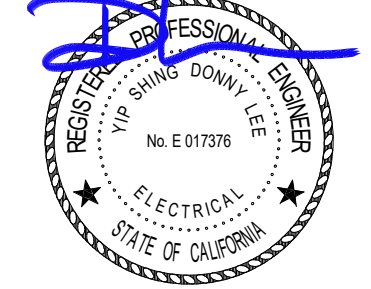


1801 7th Street, #150  
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PROJECT NO. E099.01

300 27th Street, #201  
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HY Architects Project number: Project Number

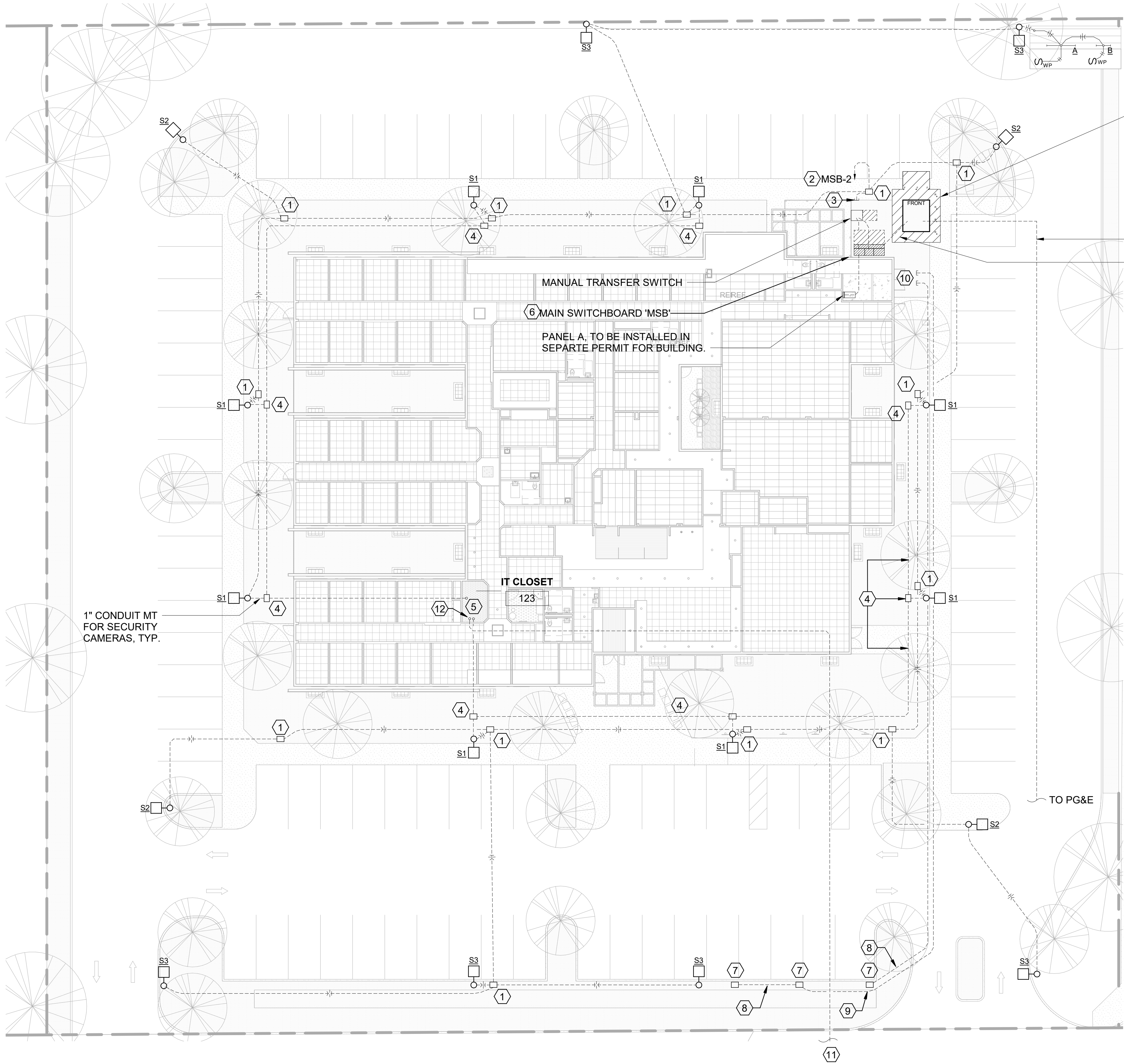
Facility  
SAN BENITO COUNTY  
1131 SAN FELIPE RD, HOLLISTER, CA 95023

Project  
NEW BEHAVIORAL HEALTH  
CENTER SITE PACKAGE

Sheet Title  
SITE PLAN - PHOTOMETRICS

Client Project Number:		Sheet
Scale:	1/16" = 1'-0"	<b>E1.01</b>
Drawn By:	DEVON S	
Checked By:	DONNY	
Issue Date:	01/15/20	
Revit Version:		Sheet of



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PROPOSED LOCATION FOR NEW 90" x 106" UTILITY TRANSFORMER PRECAST PAD LOCATION. PROVIDE FIXED AND REMOVABLE BARRIER POST AROUND TRANSFORMER PAD IF NECESSARY AND AT THE DISCRETION OF PG&E. THESE ITEMS WILL BE REVIEWED AND ENGINEERED BY PG&E SERVICE PLANNING AND WILL BE ADJUSTED AFTER RECEIVING SERVICE COMMITMENT LETTER. BARRIER POST SHALL COMPLY WITH PG&E DOCUMENT #051122. PROVIDE 8'-0" OF FRONTAL CLEARANCE AND 3'-0" OF CLEARANCE ON SIDES AND REAR. FINAL SIZE AND LOCATION TO BE DETERMINED THROUGH COORDINATION WITH PG&E.

UTILITY TRANSFORMER PRIMARY CONDUITS.  
UTILITY TRANSFORMER SECONDARY CONDUITS.



### SHEET NOTES

- HATCHING IN FRONT OF ELECTRICAL EQUIPMENT INDICATES ELECTRICAL CLEARANCE. PROVIDE PER CEC 110.26.
- HOT, NEUTRAL, AND GROUND WIRES FOR LIGHTING BRANCH CIRCUIT ON THIS PLAN SHALL BE #10 AWG AND ROUTED IN A 1.0" CONDUIT, UNLESS OTHERWISE NOTED.
- COORDINATE ALL UNDERGROUND CONDUIT ROUTING WITH STRUCTURAL FOOTING AND OTHER STRUCTURAL ELEMENTS.
- UTILITY TRANSFORMER AND ASSOCIATED CONDUITS ARE SHOWN AS PROPOSED LOCATION AND SIZE ONLY. FINAL LOCATION AND SIZE TO BE DETERMINE BASED ON PG&E FINAL COMMITMENT LETTER.
- REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION ON CONDUIT AND CONDUCTOR SIZES.

### NUMBERED NOTES

- PROVIDE N09 PULLBOX WITH CONCRETE LID FOR SITE LIGHTING POWER.
- ROUTE CIRCUIT THROUGH TIME CLOCK.
- PROVIDE (1) 1.0" CONDUIT WITH PULL STRING STUBBED OUT OF PULL BOX AND CAP. CONDUIT SHALL BE USED TO INTERRUPT HOMERUN WITH NEW LIGHTING CONTROL TO BE INSTALLED WITHIN THE BUILDING UNDER A SEPARATE PERMIT.
- PROVIDE N16 PULLBOX WITH CONCRETE LID FOR SECURITY CAMERAS. TYPICAL 2" CONDUIT BETWEEN BOXES.
- STUB (1) 2.0" CONDUIT INTO IT CLOSET FOR SECURITY CAMERAS.
- REFER TO ONE-LINE DIAGRAM FOR CONDUITS STUB OUT REQUIREMENTS.
- PROVIDE N09 PULLBOX WITH CONCRETE LID FOR FUTURE EV CHARGERS.
- PROVIDE (1) 1.25" CONDUIT WITH PULL STRING FOR FUTURE EV CHARGERS.
- PROVIDE (1) 1.5" CONDUIT WITH PULL STRING FOR FUTURE EV CHARGERS.
- CAP CONDUIT FOR FUTURE EV CHARGER INSTALLATION.
- SEE E1.00 FOR CONTINUATION.
- STUB CONDUIT UP TO IT ROOM. COORDINATE EXACT CONDUIT LOCATION WITH MODULAR BUILDING PLANS.



Revisions				
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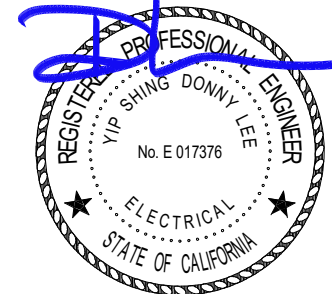


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HY Architects Project number: Project Number

Facility  
SAN BENITO COUNTY  
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Project  
NEW BEHAVIORAL HEALTH  
CENTER SITE PACKAGE

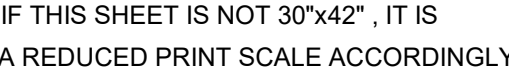
Sheet Title  
SITE PLAN - ELECTRICAL

Client Project Number:

Scale:	As indicated	Sheet
Drawn By:	DEVON S	
Checked By:	DONNY	
Issue Date:	01/15/20	
Revit Version:		Sheet of

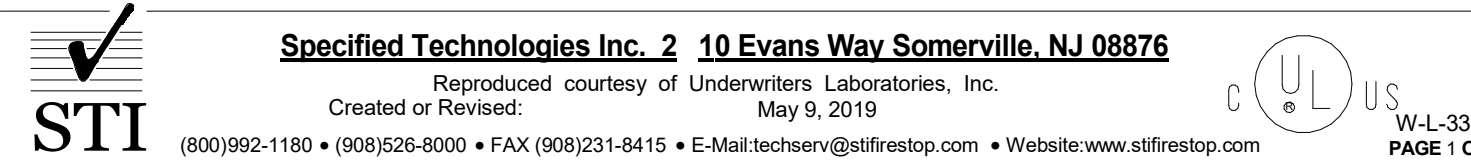
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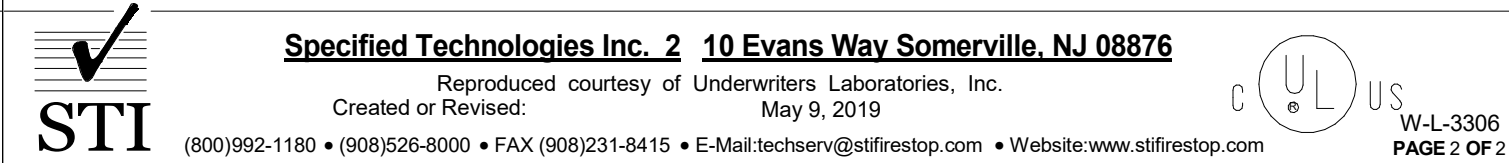
Revisions				
No.	Revisions	By	Date	Appr.

- Wall Assembly.** The 1 or 2 hr fire rating gypsum board wall assembly shall be installed in the manner described within the individual U300, V300, U400, V400 or W-Series Firestop and Partition Designs in the Firestop Resistance Data Table. The wall assembly shall be installed in accordance with the following:
- A. **Stud Wall.** Framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3/4 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Between two rows of firestop device modules (Item 2) are installed, additional framing members shall be added to support the framing of the opening.
  - B. **Gypsum Board.** Thickness, type and layers and fasteners as specified in the individual Wall and Partition Design. Opening in gypsum board to be max 1/4 in. (6 mm) larger than width and height dimensions of firestop device.
- The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.**
- Firestop Device.** One (or two banks each consisting of one, two, three, four or five firestop device modules) ganged together and secured by means of the following:
- A. **Steel Wall.** Firestop device modules shall be secured to the wall by means of a 1/2 in. (12.7 mm) diameter steel bar 4 by 4-5/8 by 14 in. (102 by 118 by 355 mm) long galv steel tube with an uninstrument metal lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device modules and the firestop device module(s) shall be filled with a firestop material.
  - B. **Stud Wall.** Firestop device module(s) secured in place by means of steel wall brackets installed with gasket material supplied with product. Steel wall brackets installed on both sides of wall and secured to outermost device modules by means of steel wall plates provided with the product. Steel wall plates shall be secured to the wall by means of 1/2 in. (12.7 mm) diameter steel bar 1/2 in. (12.7 mm) thick by 18 in. (3.2 mm) Type G steel section. Each firestop device module to be installed with ends projecting an equal distance beyond each surface of the wall assembly. As an alternate when one bank of firestop device modules is installed, the firestop device modules shall be secured to the wall by means of 1/2 in. (12.7 mm) diameter steel bar 1/2 in. (12.7 mm) thick by 24 in. (610 mm) center-to-center stud spacing prior to installation of the gypsum board layers. The steel wall plates shall be secured to the side by means of steel cutouts. After installation of the steel wall plates and firestop device modules, the steel wall plates shall be secured to the wall by means of 1/2 in. (12.7 mm) diameter steel bar 1/2 in. (12.7 mm) thick by 18 in. (3.2 mm) Type G steel section. Gap between the firestop device module and the cutout in the gypsum board may be filled with gypsum joint compound or fill material (Item 4). The L Ratings vary according to whether the device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below.



Device	Cable Type	L-Rating CFM/Device Module (Ls/Device Module)	
		Ambient Less Than 1 (0.47)	400 °F (204°C) Less Than 1 (0.47)
0%	-	1.5 (0.71)	1.5 (0.71)
1-25%	3A-3I	2.3 (1.1)	2.3 (1.1)
26-50%	3A-3I	2.3 (1.1)	2.3 (1.1)
51-75%	3A-3I	2.3 (1.1)	2.3 (1.1)
76-100%	3A-3I	2.3 (1.1)	2.3 (1.1)

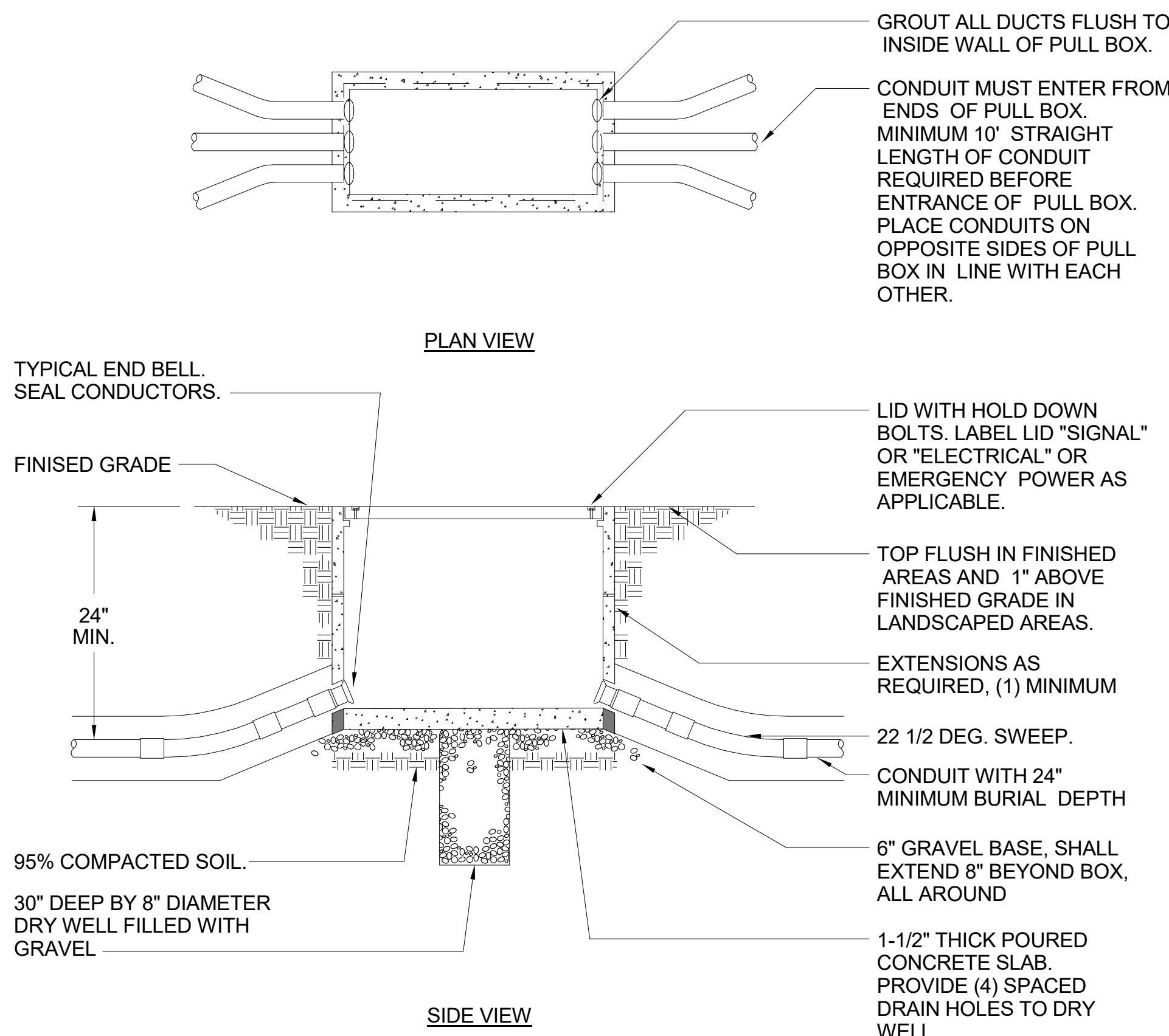
- SPECIFIED TECHNOLOGIES INC. - E2 PATH Series 44+ Extension (Fired Kwik Pak) (F1.1)**
- 2A. Firestop Device - Extension Module** - (Optional, Not Shown) - Module attached to ends of firestop device (Item 2) and designed to lengthen the firestop device by 4 to 58.9 cm (1 to 23 in.) by 4.58 cm (1.8 in.) (102 by 118 by 152 mm) long galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module (Item 2A) are secured together by means of a stainless steel bolt and nut. Extension module to be installed on both sides of wall and secured to each device or extension module by means of steel set screws provided with plates. Firestop device and extension module assembly to be installed with ends projecting an equal distance beyond the wall.
- SPECIFIED TECHNOLOGIES INC. - E2 PATH Series 44+ Extension**
- Cables** - Cables may represent a to a 100 percent visual fill within the loading area for each firestop device. Cables are to be rigidly secured on both sides of the wall assembly. Any combination of the following types of cables may be used:
- A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) plenum-rated jacketing and insulation.
  - B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation.
  - C. Max 7/8 No. 12 AWG copper conductor control cable with or without XLPE jacket and insulation.
  - D. Max 1/2 No. 20 AWG metal clad or (R)max with XLPE jacket and insulation.
  - E. Max 3/8 No. 8 AWG NM cable (R)max with PVC insulation and jacket.
  - F. Max 4 pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
  - G. Coaxial cable with fluorinated ethylene (PVC) insulation and jacketing having a max diam of 5/8 in. (16 mm).
  - H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
- Max RG6U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.**
- When Series 44+ Firestop Device is used, the following firestop device and extension module assemblies are 1 hr. When Item 3F or 3S is used, the 1, FT and FTH Ratings are 1 and 1 1/2 hr for 1 and 2 hr rated assemblies respectively. When Item 3H is used, the 1, FT and FTH Ratings are 1 and 2 hr for 1 and 2 hr rated assemblies respectively. When Item 3F or 3S is used, the 1, FT and FTH Ratings are 1 and 1 1/2 hr for 1 and 2 hr rated assemblies respectively. When two banks of firestop device modules are installed, the 1, FT and FTH Ratings are 1**
- 3. Sealed Gypsum Material - Sealant or Putty - (Not Shown)** - As an alternate to gypsum joint compound, the gap between the firestop device module and the cutout in the gypsum board may be sealed with fill material on each side of the wall assembly when multi-gang sealed wall brackets are installed directly against the wood or steel studs.
- SPECIFIED TECHNOLOGIES INC. - Spec-Serial Series SSS Sealant, Spec-Serial LCI Sealant, Spec-Sput Sealant**  
+Bearing the UL Listing Mark
- Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



TYPE	MFGR	INTERIOR DIM.	TYPE	LID	NOTES
N09	CHRISTY	10-1/4" x 16-3/4"	12"	NOTE 1	
N16	CHRISTY	11-3/4" x 22-1/4"	12"	NOTE 1	
N30	CHRISTY	13-1/4" x 24-1/4"	12"	NOTE 1	
N36	CHRISTY	17-1/8" x 30-1/4"	12"	NOTE 1	
N40	CHRISTY	24-1/2" x 36"	10"	NOTE 1	
N48	CHRISTY	30-1/4" x 48"	10"	NOTE 1	
N52	CHRISTY	30" x 60"	10"	NOTE 1	
B1017	CHRISTY	11-7/8" x 18-1/2"	12"	NOTE 2	
B1324	CHRISTY	14-1/4" x 25"	12"	NOTE 2	
B1730	CHRISTY	18-1/4" x 30-1/4"	12"	NOTE 2	
B2436	CHRISTY	26-1/2" x 38-1/8"	12"	NOTE 2	
B3048	CHRISTY	31" x 49"	12"	NOTE 2	
35TA	JENSEN	36" x 60"	12"	NOTE 3	
36TA	JENSEN	36" x 72"	12"	NOTE 3	
466TA	JENSEN	48" x 78"	12"	NOTE 3	

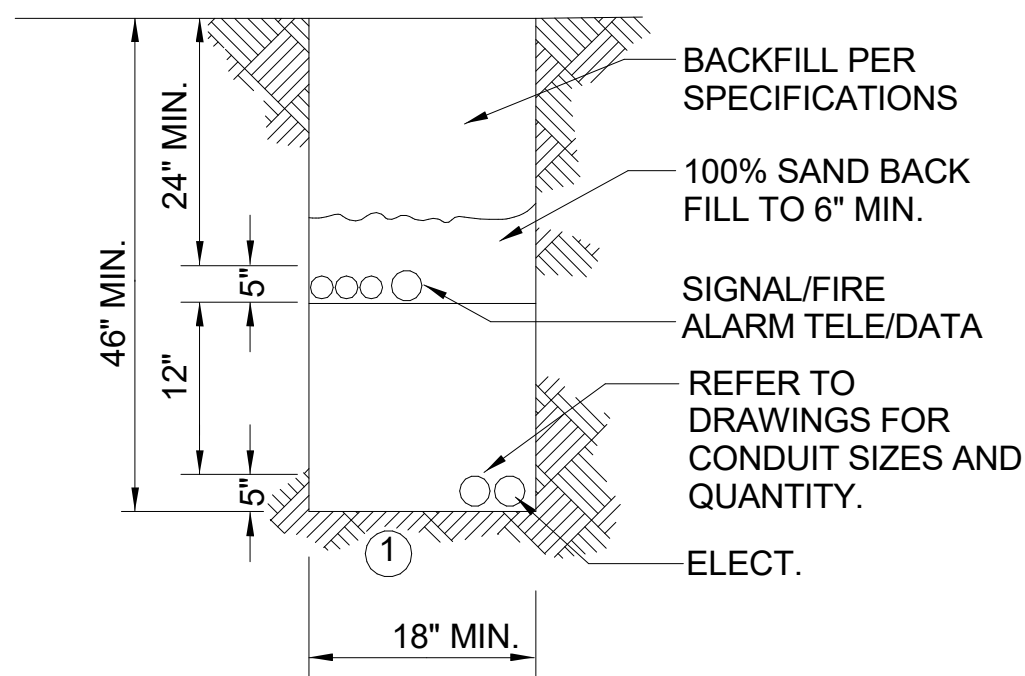
NOTES:

1. PROVIDE CONCRETE LID AT ASPHALT OR CONCRETE WALKWAY. PROVIDE GALVANIZED STEEL CHECKER PLATE LID IN ALL OTHER NON-VEHICULAR AREAS.
2. PROVIDE GALVANIZED STEEL CHECKER PLATE H20 TRAFFIC RATED LID.
3. PROVIDE SPRING ASSISTED H20 TRAFFIC RATED LID WITH NON-SLIP SURFACE.



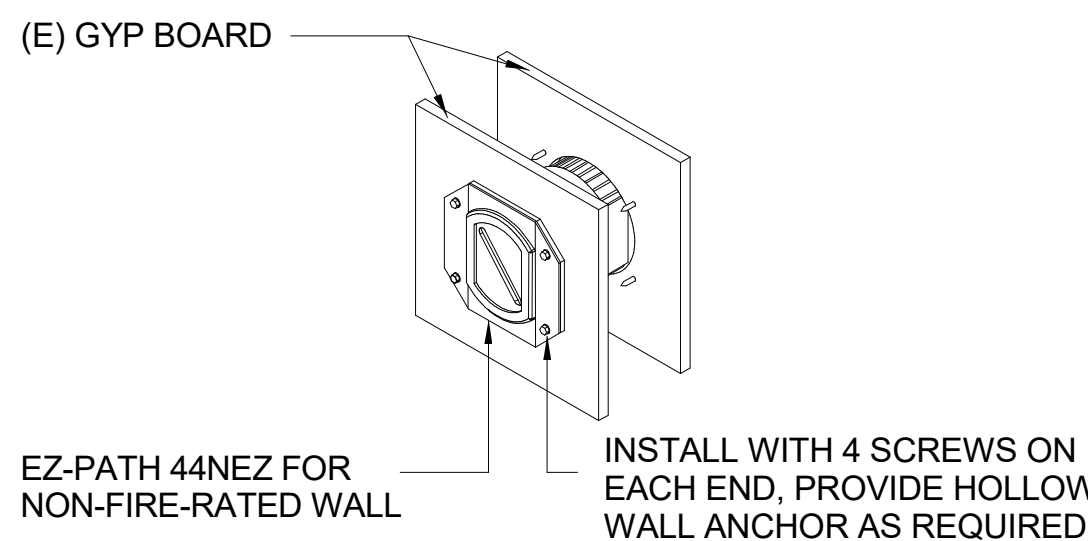
- NOTES:
1. PROVIDE CONCRETE LID AT ASPHALT OR CONCRETE WALKWAY. PROVIDE GALVANIZED STEEL CHECKER PLATE LID AT ALL OTHER NON-VEHICULAR AREAS.
  2. AT VEHICULAR TRAFFIC AREAS, PULLBOXES, EXTENSIONS AND LIDS SHALL BE TRAFFIC (H20) RATED. SLAB SHALL BE REINFORCED CONCRETE.

## NO SCALE



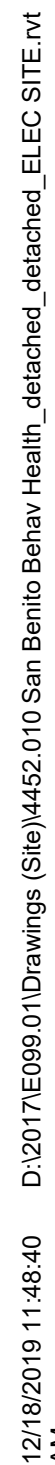
- ① BOTTOM OF TRENCH TO BE SQUARE AND CLEAN.

NO SCALE

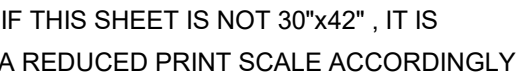



## NO SCALE

## NO SCALE







1. TYPE 3 CR ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE STEEL.
2. EXTERIOR DOORS HAVE PADLOCKABLE HANDLE WITH 3 POINT LATCH.
3. FINISH: TYPE 3R: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.  
TYPE 3RX(B) – EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 304 STAINLESS STEEL.  
TYPE 3RX(S) – EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 316 STAINLESS STEEL.
4. RECOMMENDED CLEARANCES:  
FRONT: 38 INCHES
5. ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
6. A FULL LENGTH CABLE CONNECTION FOR EACH SOURCE AND LOAD IS OPTIONAL. WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NO. NEUTRAL TYPE:
  - A. SLD (COPPER BUS) NEUTRAL.
  - B. SWITCH (COPPER BUS) NEUTRAL.
7. DESIGNED FOR FRONT ACCESS
8. FOR SPECIFIED TRANSFER SWITCH, REFER TO OPERATOR'S MANUAL PROVIDED WITH UNIT.
9. LIFTING PLATES; SECTIONS ARE SUPPLIED WITH LIFTING PLATES.  
INSPECT PLATES FOR DAMAGE AND TORQUE BOLTS TO 45 FT LBS BEFORE USE.  
REFER TO ANSI/NEMA PB 2.1 FOR PROPER HANDLING OF EQUIPMENT.  
AFTER INSTALLATION OF SECTION, REMOVE LIFTING PLATES.  
REINSTALL BOLTS INTO EXTERIOR HOLES AND TORQUE TO APPROX. 20 FT LBS.
10.  CENTER OF GRAVITY.
11. APPROXIMATE WEIGHT: 1250 LBS

1. SYSTEM RATING: 600-800 AMPS, 3 $\phi$ , 4W OR 1 $\phi$ , 3W.  
SHORT CIRCUIT RATING-- SOURCE-1: 65,000 RMS SYM AMPERES @ 480V  
SOURCE-2: 22,000 RMS SYM AMPERES @ 480V
2. NEUTRAL BUS: 100% RATED.
3. GROUND BUS: 20% RATED.
4. APPLICABLE LABELS: U.L. 891

1. SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS SUITABLE FOR CU/AL CABLE .  
SOURCE 1: (2) #2 AWG - 600MCM PER PHASE & NEUTRAL  
LOAD: (2) #2 AWG - 600MCM PER PHASE & NEUTRAL  
SOURCE 2: (2) 1016 SERIES SINGLE POLE CAM LOCK MALE RECEPTALS PER PHASE & NEUTRAL  
GROUND: (6) 1/0 -600MCM

1. SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS SUITABLE FOR CU/AL CABLE .  
SOURCE 1: (4) #2 AWG - 600CM PER PHASE & NEUTRAL  
LOAD: (4) #2 AWG - 600CM PER PHASE & NEUTRAL  
SOURCE 2: (2) 1016 SERIES SINGLE POLE CAM LOCK MALE RECEPTICALS PER PHASE & NEUTRAL  
GROUND: (12) 1/0 - 600CM

SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER THE NEC

2. CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.

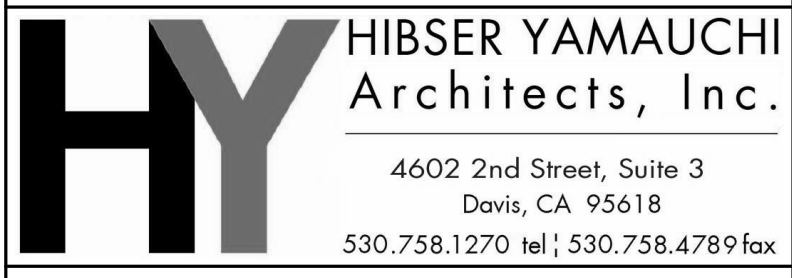
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	SEE ECN			
A	270995	SY	RN	02/12/18
	SEE ECN			
—	267536	LY	RN	6/12/17
	ISSUE			

PROJECT NAME:					REV. TO SHEET	CON. NO.	BY	APP'D.	DATE
OUTLINE					MOUNTING				
HMTQ 600-800A. SOURCE 1 ,CAMLOCKS ON SOURCE 2					THIRD ANGLE PROJECTION				
THRU 3V X 37 X 39									
DRAWN BY	DATE	ALL DIMENSIONS TO BE IN ACCORDANCE WITH ASME Y14-1003. FOR PLASTIC PARTS SEE ASA			ASSEMB. REF. NO.		COMPUTER GENERATED DRAWING		
CHECKED	6/13/77	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			SCALE: 1/4" = 1" DS		SIZE D		
CROOKED	RN	<b>ASCO</b>			ASCOT Power Technologies, L.P. FLORHAM PARK, NEW JERSEY 07731 U.S.A.		DRAWING NO. 977100-002		
FINAL APPROVAL					DRAWING NO. B10N 271893		PAGE 1 OF 1		

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Project

NEW BEHAVIORAL HEALTH  
CENTER SITE PACKAGE

Sheet Title

DETAILS

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Scale: 12" = 1'-0"	Sheet
Drawn By: Author	<b>E2.01</b>
Checked By: Checker	
Issue Date: 01/15/20	
Revit Version:	Sheet of

## E2.01