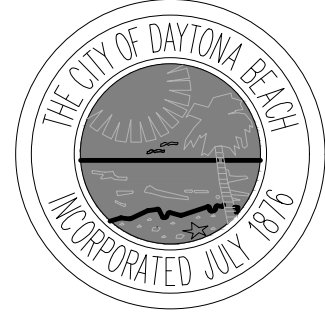


CAMPBELL POOL ENTRY PAVILION AND POOL AREA IMPROVEMENTS

THE CITY OF DAYTONA BEACH



PUBLIC WORKS DEPARTMENT
TECHNICAL SERVICES

950 BELLEVUE AVENUE
DAYTONA BEACH, FL 32114

P 386 671 8610
F 386 957 6404

BRENT COHEN, ARCHITECT
FL LICENSE # AR93854

JAMES V. CHISHOLM
ANDREW HOLMES
DAVID WALLER
JIM NELSON, P.E.
BRENT COHEN

CITY MANAGER
PUBLIC WORKS DIRECTOR
DEPUTY PUBLIC WORKS DIRECTOR
CITY ENGINEER
ARCHITECT

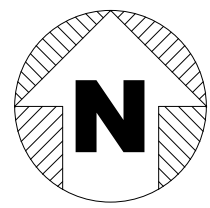
INDEX OF DRAWINGS	SHEET
COVER SHEET	A0.1
ARCHITECTURAL	
GENERAL PROJECT INFORMATION	A0.2
SITE PLAN	A1.1
FLOOR PLAN	A2.1
PAVILION EXTERIOR ELEVATIONS	A3.1
PAVILION BUILDING SECTIONS	A4.1
FINISH SCHEDULE + WALL TYPES	A6.4
DETAILS	A9.1
LANDSCAPE	
LANDSCAPE GENERAL NOTES	L1.0
LANDSCAPE GENERAL NOTES	L1.01
LANDSCAPE PLAN	L1.1
MECHANICAL	
MECHANICAL SYMBOLS LEGEND	M001
FLOOR PLAN - MECHANICAL	M201
MECHANICAL DETAILS	M801
ELECTRICAL	
ELECTRICAL SYMBOLS LEGEND AND SPECIFICATIONS	E001
SITE PLAN- ELECTRICAL	E101
FLOOR & CEILING PLANS - ELECTRICAL	E201
ELECTRICAL SCHEDULES	E701
STRUCTURAL	
GENERAL STRUCTURAL NOTES	S-001
PLANS AND SECTIONS	S-101
DETAILS	S-501

PROJECT LOCATION



VICINITY MAP

SCALE: NTS



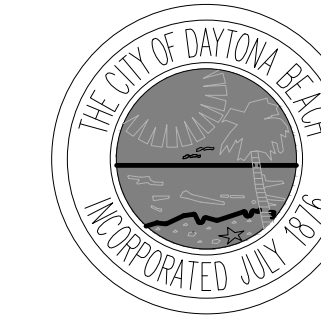
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400 Dr. M.L.K Jr. BLVD
DAYTONA BEACH, FL
32114

SCALE:	AS NOTED
DRAWN:	BCC
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PROJECT NO:	2018-044

A0.1



GENERAL NOTES

GENERAL
1. ALL WORK TO BE PROVIDED BY CONTRACTOR UNLESS IT IS SPECIFICALLY NOTED TO BE DONE BY OTHERS.

SAFETY
1. CODES: CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES IN FORCE AT THE TIME OF CONSTRUCTION.

WORK PRACTICES
1. MATERIALS: ALL MATERIALS ARE ASSUMED TO BE NEW (U.O.N.).
2. SUBCONTRACTOR COORDINATION: CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THEIR SUBCONTRACTORS AND FOR THE SCHEDULING + COORDINATION OF WORK INDICATED ON THE DRAWINGS TO BE DONE BY OTHERS.
3. LAYOUT: CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES DISCOVERED.
4. SERVICE SHUTDOWNS: CONTRACTOR TO NOTIFY THE OWNER & LANDLORD (48) HOURS IN ADVANCE OF SERVICE SHUTDOWNS. CONTRACTOR TO OBTAIN THE OWNER AND LANDLORD'S PERMISSION TO SHUTDOWN ANY BUILDING SERVICE.
5. SITE CLEANING: CONTRACTOR TO CLEAN PREMISES AND REMOVE DEBRIS ON A REGULAR BASIS.
6. UNEXPECTED CONDITIONS: CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONDITIONS WHICH ARE UNCOVERED WHICH DIFFER FROM WHAT IS SHOWN ON THESE DRAWINGS.
7. CONTRACTOR TO COMPLY WITH LANDLORD WORK RULES

DRAWING SPECIFICITY
1. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY NAIL, SCREW, BOLT AND CONNECTION ETC. REQUIRED TO INSTALL A GIVEN ITEM. THE CONTRACTOR IS TO MAKE REASONABLE ASSUMPTIONS AS TO MISCELLANEOUS ITEMS WHICH ARE REQUIRED TO INSTALL ITEMS NOTED ON THESE DRAWINGS.
2. CONTRACTOR TO PROVIDE NECESSARY BACKING, BLOCKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL FIXTURES AND OTHER ITEMS REQUIRING SAME.
3. DIMENSIONS: HORIZONTAL DIMENSIONS ARE FROM FINISHED SURFACE TO FINISHED SURFACE U.O.N. VERTICAL DIMENSIONS ARE FROM TOP OF SLAB U.O.N. DRAWINGS ARE NOT TO BE SCALED.
4. NOT ALL SYMBOLS SHOWN ARE USED.

PROJECT DATA

PROJECT ADDRESS
409 SCHOOL STREET
DAYTONA BEACH, FL 32114

PARCEL NUMBER
5339-80-01-0010

LEGAL DESCRIPTION
A PORTION OF SECTION 39, TOWNSHIP 15 SOUTH, RANGE 33 EAST, LYING IN VOLUSIA COUNTY, FLORIDA.

PROJECT DESCRIPTION
ADDITION OF AN ENTRY BUILDING WITH ASSOCIATED RAMP AND STAIR ACCESS TO THE EXISTING POOL FACILITY.
PROJECT ALSO INCLUDES THE EXPANSION OF THE EXISTING POOL DECK WITH NEW SHADE STRUCTURES AND TABLES.

AUTHORITY HAVING JURISDICTION
CITY OF DAYTONA BEACH

ZONING
R1B

CONSTRUCTION TYPE
TYPE-IIB (ENTRY BUILDING)

MAX BUILDING HT
35 FEET

OCCUPANCY
TYPE GROUP U FOR BUILDING

OCCUPANT LOAD
PER TABLE 1004.1.2 OF THE 2017 FBC
(BUSINESS AREA = 100 SF PER OCCUPANT)

100SF PER OCCUPANT FOR ENTRY PAVILION
165/100 =2 OCCUPANTS
EXCEPTION 1004.2 INCREASED OCCUPANT LOAD IS TAKEN.

POSTED OCCUPANT LOAD OF BUILDING TO BE 2.

REQUIRED EXITS
PER TABLE 1006.2.1, 1 EXIT REQUIRED PER 49 OCCUPANTS FOR GROUP U OCCUPANCY. 1 EXIT PROVIDED.

FIRE-PROTECTION
N/A

PROJECT AREAS

TOTAL AREA OF NEW WORK = 165 SF (NEW ENTRY BUILDING)
ASSOCIATE SITE WORK (RAMPS / STAIRS / SLABS ARE PER PLANS)

ENERGY & ENVELOPE INFORMATION
ALL NEW CONSTRUCTION OF CONDITIONED SPACE TO COMPLY WITH THE FLORIDA BUILDING CODE ENERGY CODE 2017 EDITION.

REFER TO MEP SHEETS FOR ENERGY CODE COMPLIANCE.

APPLICABLE CODES

OCCUPANCY CLASSIFICATION (SECTION 302 / 307)

GROUP U

ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 506.2)

GROUP U , NS, IIB , ALLOWABLE AREA IS 8,500 SF

8,500 SF > 165 SF = OK

TYPE OF CONSTRUCTION (SECTION 602)

TYPE IIB

BUILDING AREA TABULATION:

PROPOSED PAVILION = 165 S.F.

TOTAL = 165 S.F.

APPLICABLE CODES FOR: STATE OF FLORIDA

- FLORIDA BUILDING CODE, 2017 EDITION
- NATIONAL ELECTRICAL CODE, 2011 EDITION
- FLORIDA ACCESSIBILITY CODE, 2017 EDITION

COMPLIANCE STATEMENT:
PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 FLORIDA BUILDING CODE EDITION

PROJECT TEAM

OWNER
CITY OF DAYTONA BEACH

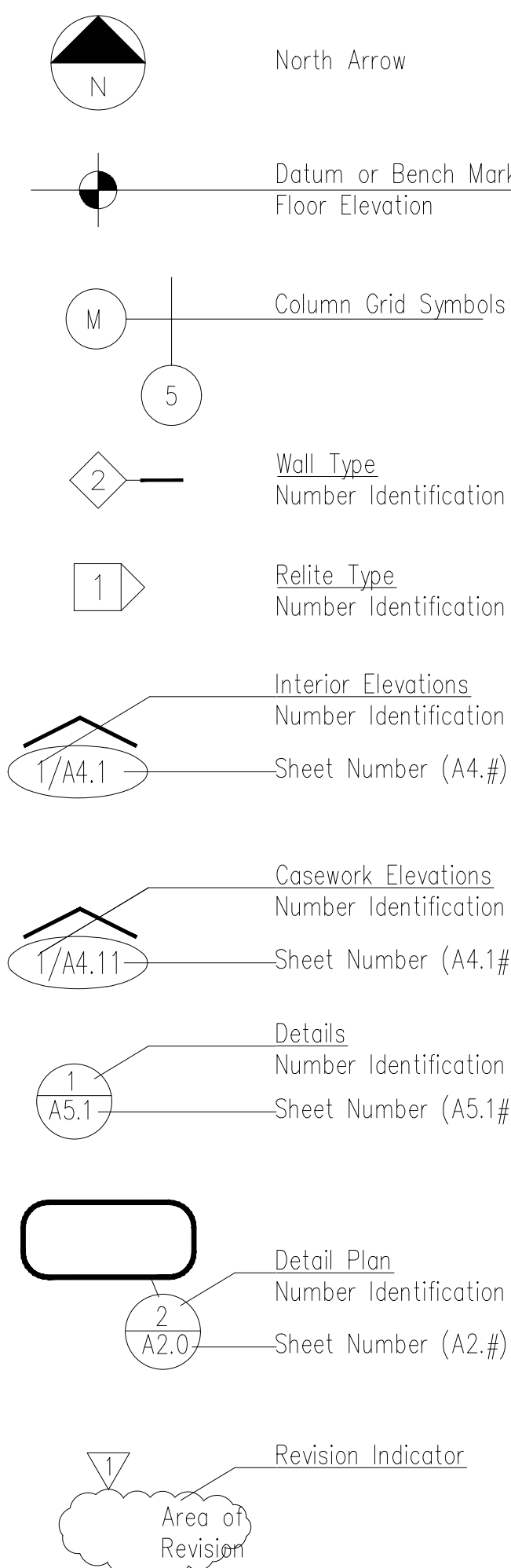
ARCHITECT
BRENT COHEN
950 BELLEVUE AVENUE
P.O. BOX 2451
DAYTONA BEACH, FL 32115-2451
PHONE: (386) 671-8617
E-MAIL: COHENB@CODB.US
ATTN: BRENT COHEN

STRUCTURAL ENGINEER
GRAEF
2300 MAITLAND CENTER PARKWAY
MAITLAND, FL 32751
PHONE: (407) 659-6500

MEP ENGINEER
SGM ENGINEERING
935 LAKE BALDWIN LN
ORLANDO, FL 32814
PHONE: (407) 767-5188

GENERAL CONTRACTOR
TBD

GRAPHICS



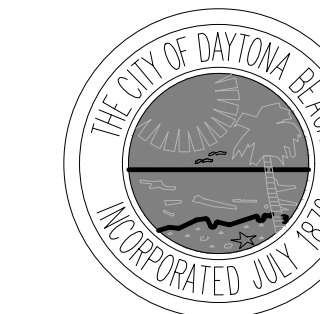
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A0.2



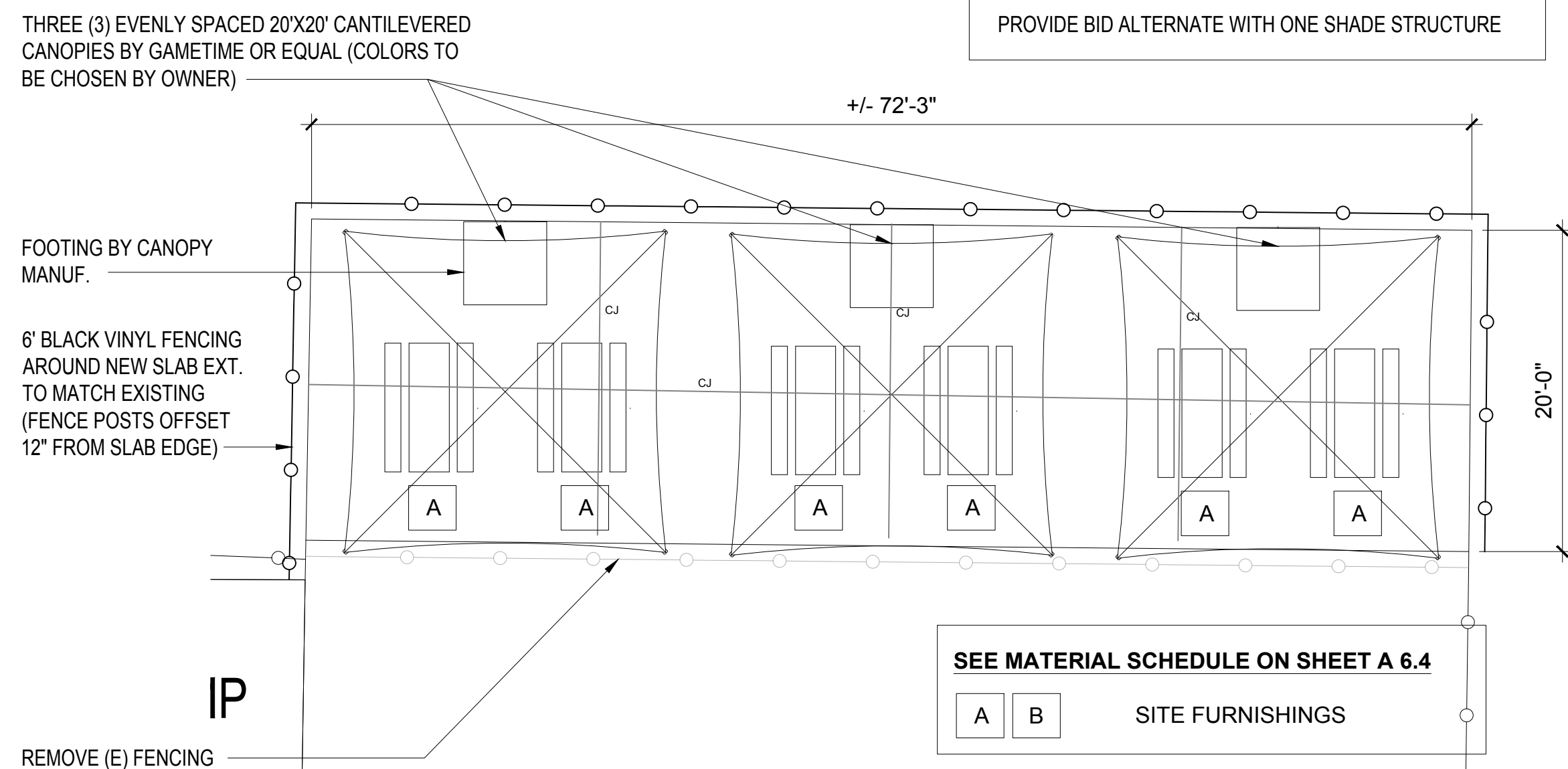
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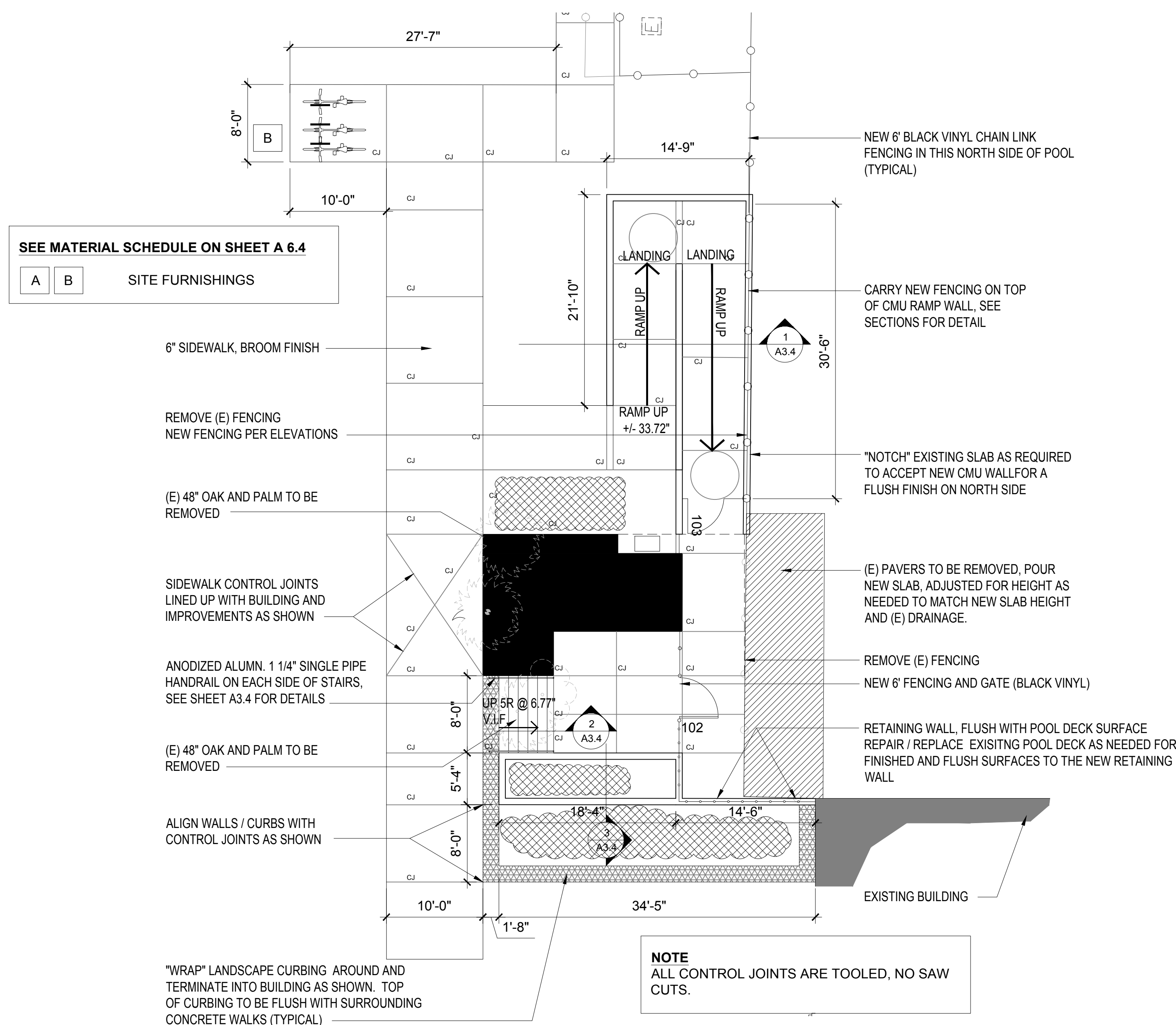
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A1.1

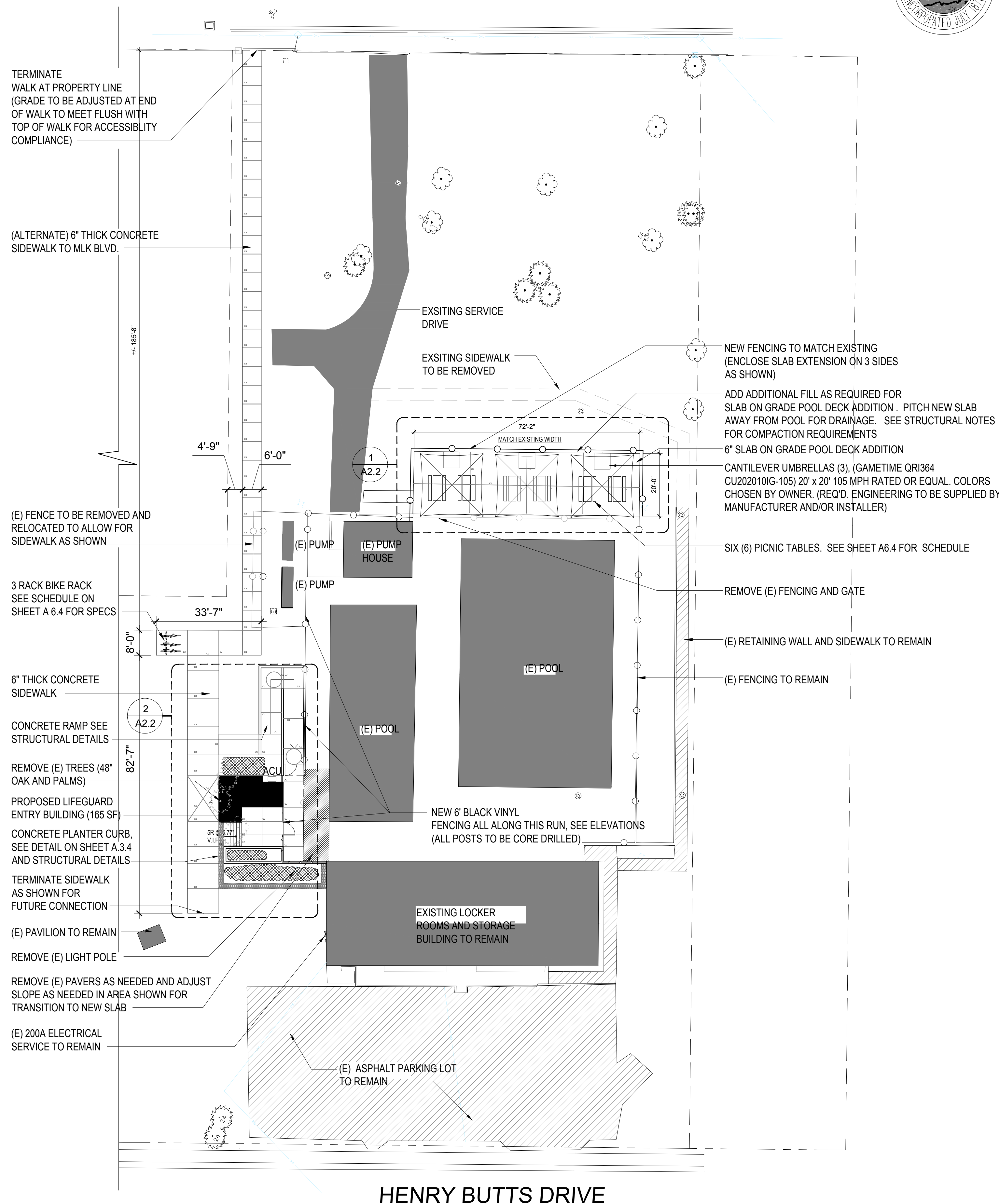


1 POOL DECK EXTENSION FLOOR PLAN
SCALE: 1/8" = 1'-0"

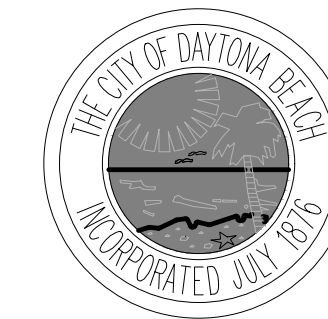


2 ENTRY PAVILION SITE PLAN
SCALE: 1/8" = 1'-0"

S DR MARTIN LUTHER KING JR BOULEVARD



SITE PLAN
SCALE: 1" = 20'-0"

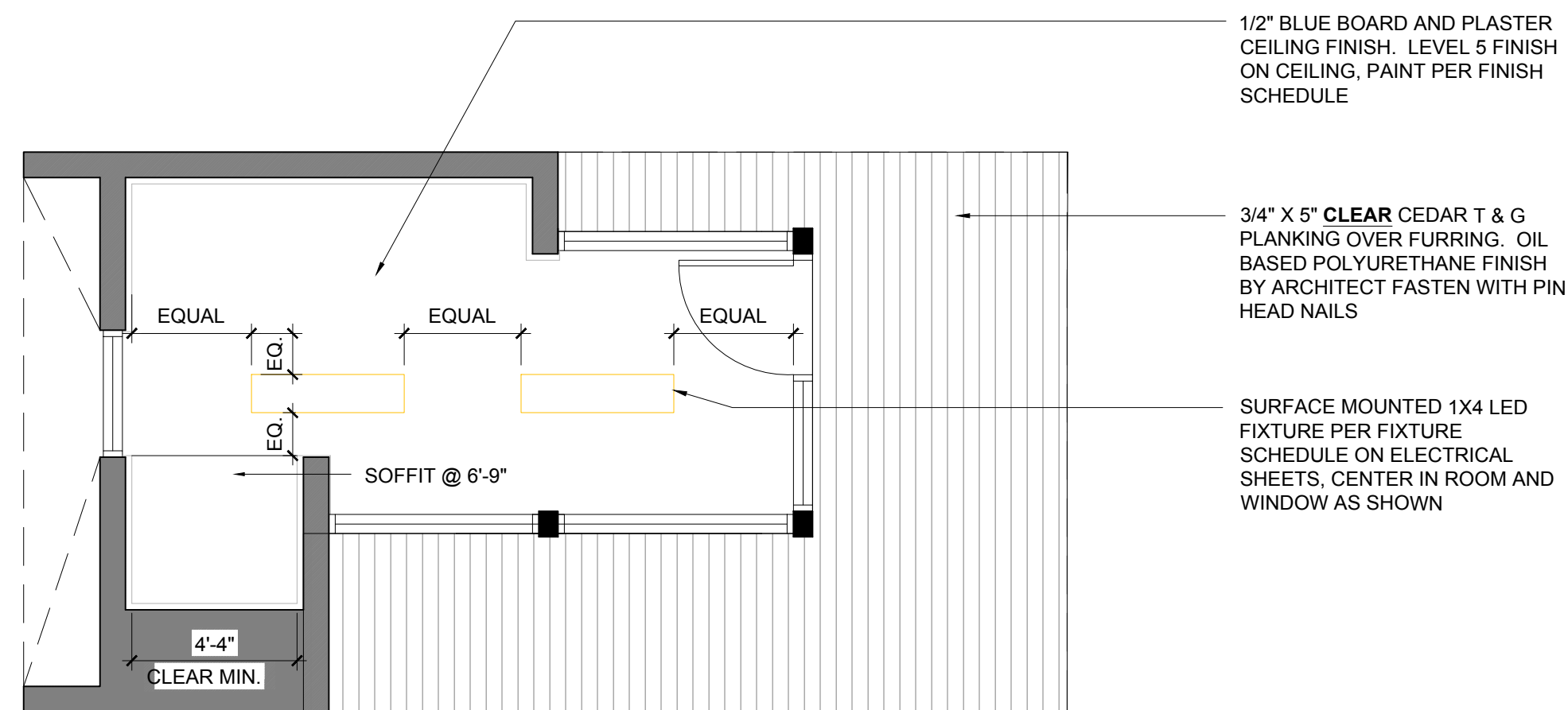


DOOR SCHEDULE FIRST FLOOR								
MARK	TYPE	DOOR			FINISH	MANUF. NUMBER WHEN APPLICABLE	HARDWARE GROUP	REMARKS
		WIDTH	HEIGHT	MAT'L				
1ST FLOOR								
101	STOREFRONT	3'-0"	8'-0"	STOREFRONT	ANODIZED	YKK OR EQUAL		
102	GATE	3'-0"	6'-0"	FENCE	BLACK VINYL			TRANSOM WINDOW ABOVE / IMPACT RATED / 9" D" STYLE PULL HANDLES BOTH SIDES / THUMBTURN STYLE DEADBOLT / CYLINDER KEYPED TO CITY SPECS BY GC
103	GATE	3'-0"	6'-0"	FENCE	BLACK VINYL			SELF CLOSING HINGES AND MAGNA LOCK LATCH

WINDOW SCHEDULE FIRST FLOOR								
MARK	TYPE	FRAME SIZE (U.O.N.)			TYPE	MANUFACTURER	REMARKS	
		WIDTH	HEIGHT	MATERIAL				
A		3'-4"	6'-8"	ALUMINUM	ALUMINUM	ALUMINUM	STFRNT. YKK YOW 22SH OR EQUAL	PICTURE WINDOW WITH PERF. ALUMINUM PANEL PER ELEV.
B		6'-2"	4'-8'-0"				STFRNT. YKK YHS 50FS OR EQUAL	TOP OF WINDOW TO FOLLOW SLOPING CEILING
C		8'-4"	6'-8"				STFRNT. YKK YOW 22SH OR EQUAL	12" x 48" SLIDING TRANSACTION WINDOW PER ELEVATIONS
D		2'-6"	6'-8"				STFRNT. YKK YHS 50FS OR EQUAL	TRANSOM WINDOW ABOVE, SEE ELEVATION. LOWER UNIT TO HAVE STEEL PLATE PAINTED IN LIEU OF GLASS TO MATCH OTHER SPANDREL GLASS
E		6'-8"	6'-8"				STFRNT. YKK YHS 50FS OR EQUAL	

- DOOR / WINDOW SCHEDULE NOTES**
- EXTERIOR DOOR AND WINDOW THICKNESS PER PRODUCT APPROVAL
 - REFER TO ELEVATIONS FOR STOREFRONT LAYOUT
 - COORDINATE DIMENSIONS SHOWN ABOVE WITH MANUFACTURERS DIMENSION REQUIREMENTS.
 - G. C. TO COORDINATE DOOR HARDWARE SPECIFICATIONS WITH ARCHITECT
 - GENERAL CONTRACTOR AND WINDOW / DOOR SUPPLIER TO VERIFY ALL QUANTITIES AND PROVIDE SHOP DRAWINGS PRIOR TO ORDERING / FABRICATION
 - WINDOWS AND DOORS TO HAVE SAFETY GLAZING IN HAZARDOUS AREAS PER FBC 2406.4 AS REQUIRED
 - SUBMIT SHOP DRAWINGS OF ALL WINDOWS PRIOR TO MANUFACTURING

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REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

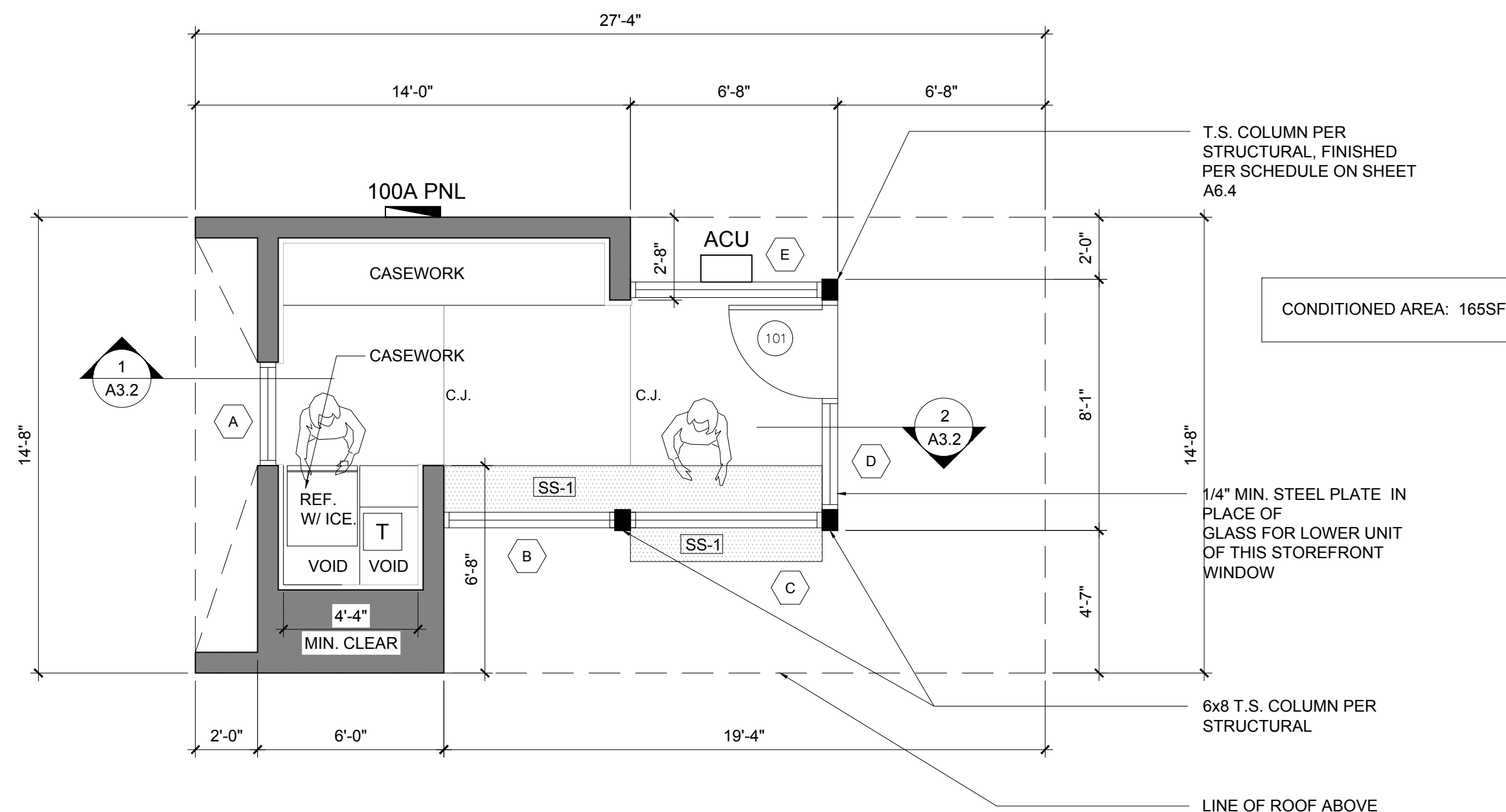
REFLECTED CEILING PLAN NOTES (RCP)

- GENERAL
- ALL CEILINGS ARE SLOPED, REFER TO SECTIONS
 - GYPSUM BOARD CEILINGS ARE PLASTER OVER BLUE BOARD
 - PLYWOOD SOFFIT IS CENTERED AS SHOWN, ATTACHED WITH S.S. FINISH NAILS

- RCP ISSUES RELATED TO MECH., PLUMBING, AND ELEC.
- ARCHITECTURAL RCP TO TAKE PRECEDENCE OVER ELECTRICAL LIGHTING PLANS IN TERMS OF LIGHT FIXTURE PLACEMENT.
 - HVAC DIFFUSERS + GRILLS TO BE WHITE

RCP LEGEND

- 1'X4' SURFACE MOUNT LED
- GYPSUM BOARD CEILING

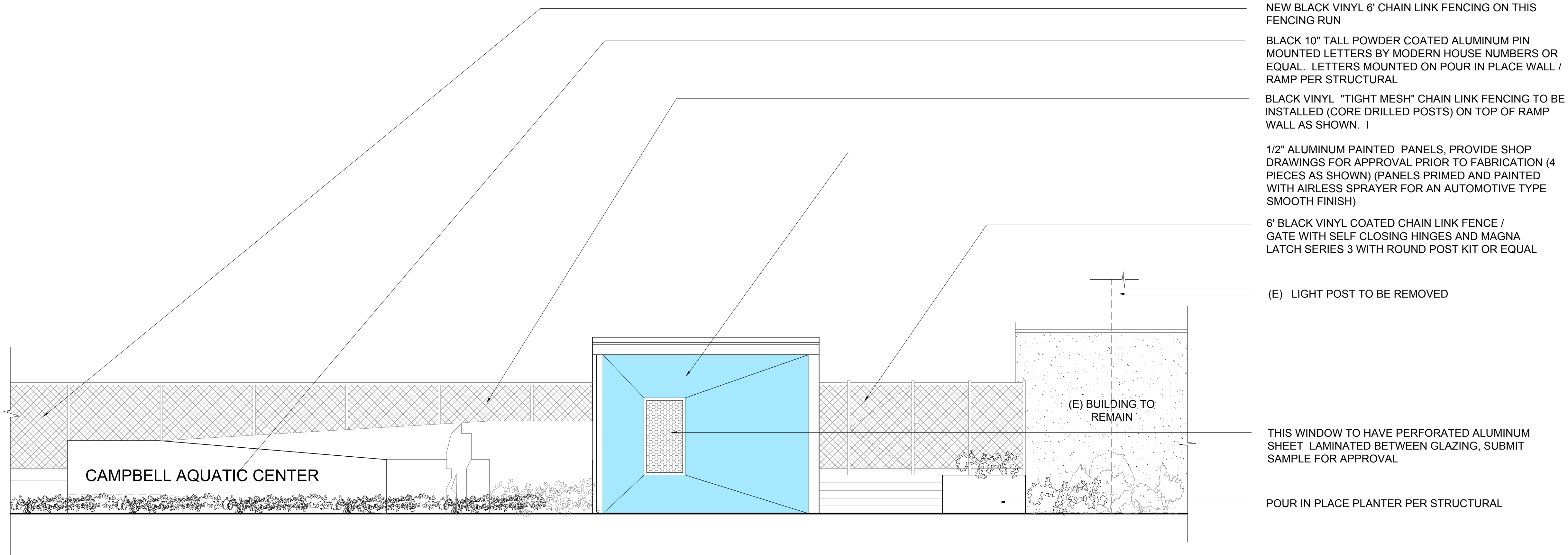
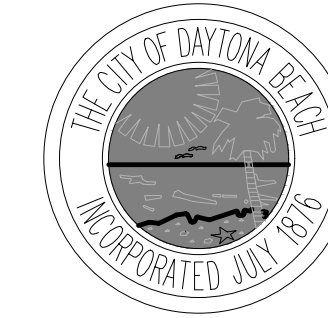


FLOOR PLAN
SCALE: 1/4" = 1'-0"

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400 Dr. M.L.K Jr. BLVD
DAYTONA BEACH, FL 32114

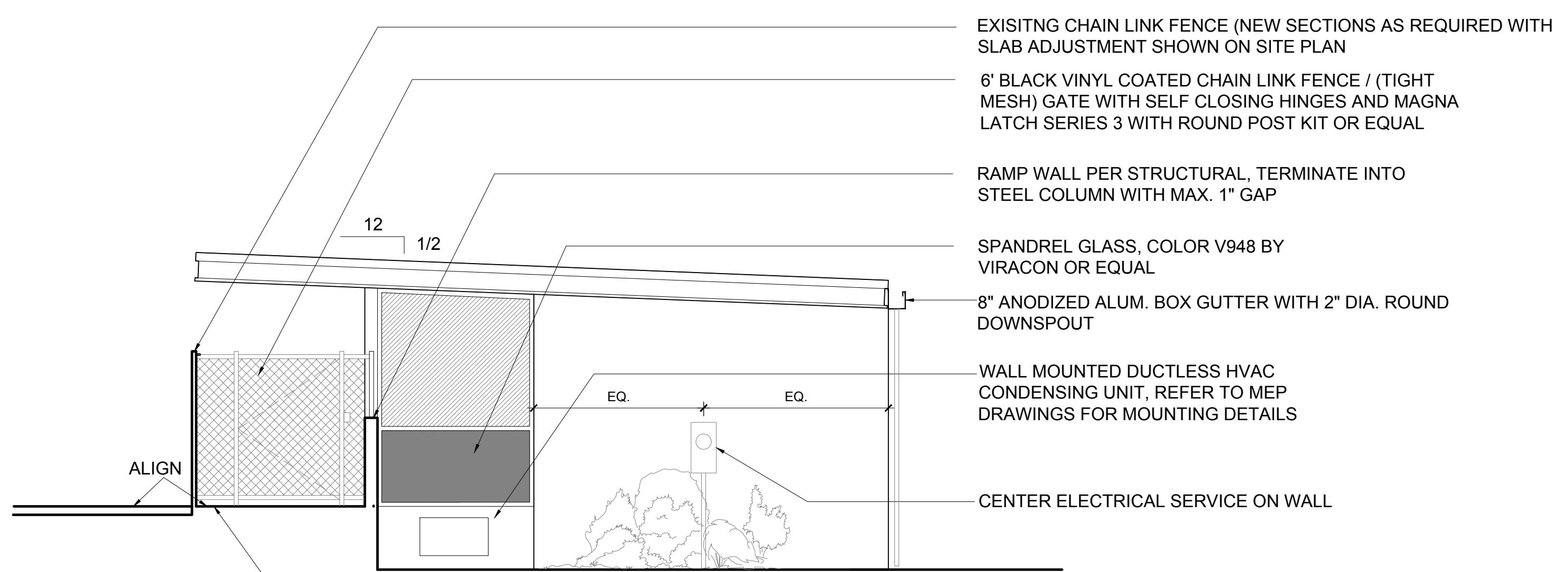
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1 NORTH ELEVATION
1/4" = 1'-0"

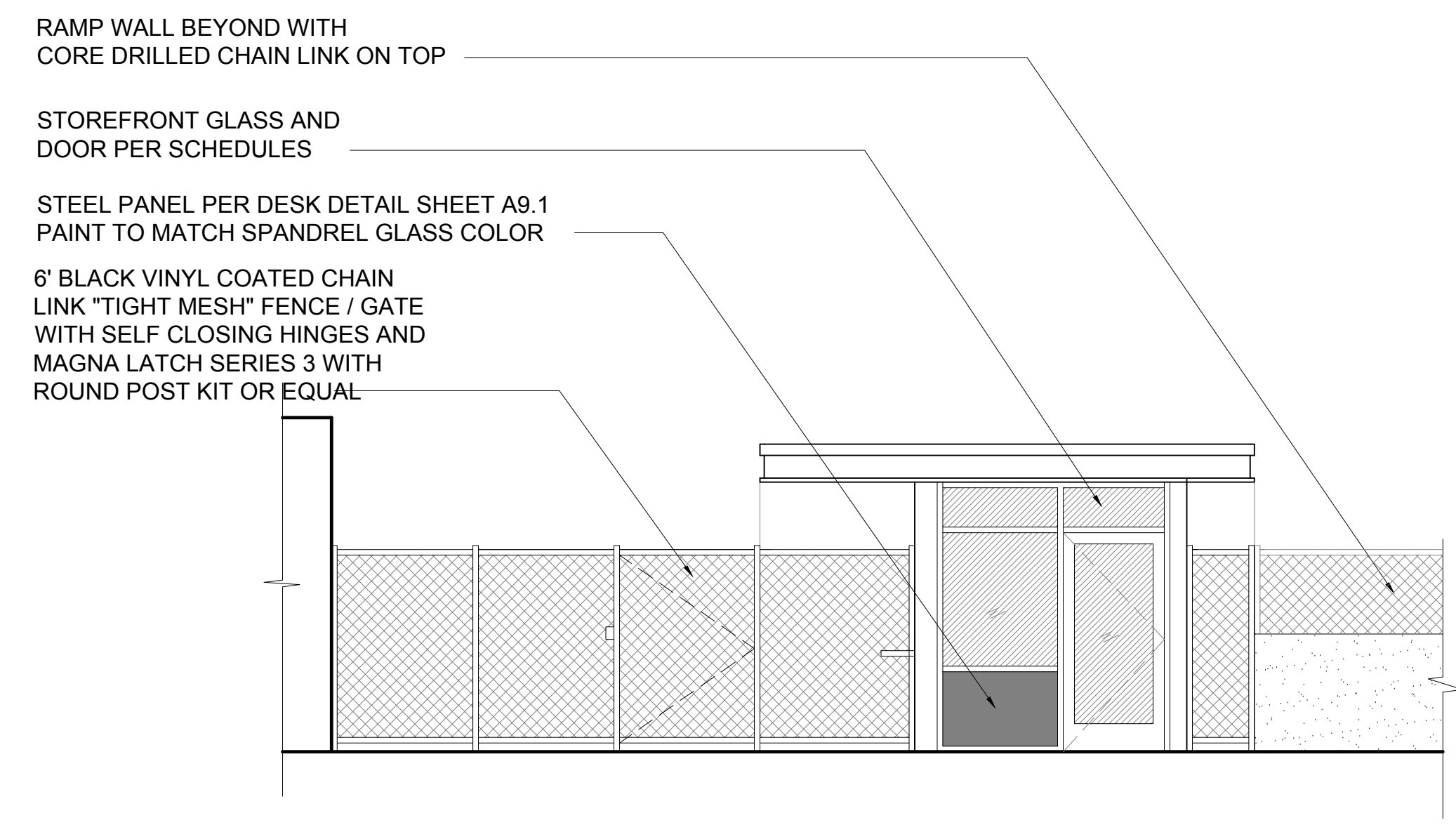
- NEW BLACK VINYL 6' CHAIN LINK FENCING ON THIS FENCING RUN
- BLACK 10" TALL POWDER COATED ALUMINUM PIN MOUNTED LETTERS BY MODERN HOUSE NUMBERS OR EQUAL. LETTERS MOUNTED ON POUR IN PLACE WALL / RAMP PER STRUCTURAL
- BLACK VINYL "TIGHT MESH" CHAIN LINK FENCING TO BE INSTALLED (CORE DRILLED POSTS) ON TOP OF RAMP WALL AS SHOWN. I
- 1/2" ALUMINUM PAINTED PANELS, PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION (4 PIECES AS SHOWN) (PANELS PRIMED AND PAINTED WITH AIRLESS SPRAYER FOR AN AUTOMOTIVE TYPE SMOOTH FINISH)
- 6' BLACK VINYL COATED CHAIN LINK FENCE / GATE WITH SELF CLOSING HINGES AND MAGNA LATCH SERIES 3 WITH ROUND POST KIT OR EQUAL
- (E) LIGHT POST TO BE REMOVED
- THIS WINDOW TO HAVE PERFORATED ALUMINUM SHEET LAMINATED BETWEEN GLAZING, SUBMIT SAMPLE FOR APPROVAL
- POUR IN PLACE PLANTER PER STRUCTURAL

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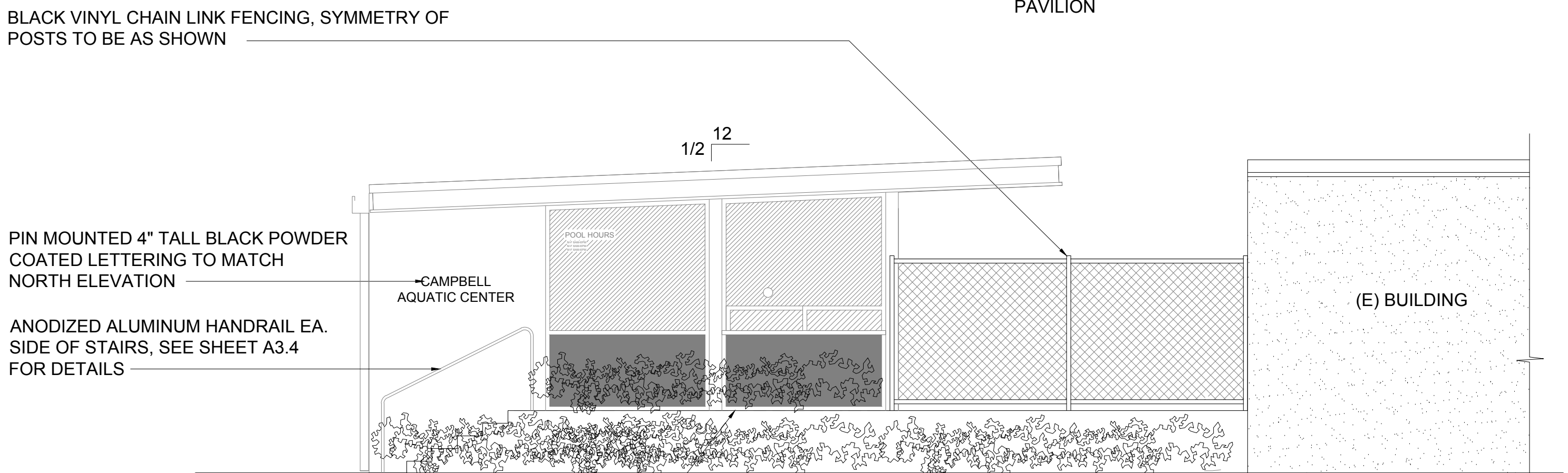
3 EAST ELEVATION
1/4" = 1'-0"

- EXISTING CHAIN LINK FENCE (NEW SECTIONS AS REQUIRED WITH SLAB ADJUSTMENT SHOWN ON SITE PLAN)
- 6' BLACK VINYL COATED CHAIN LINK FENCE / (TIGHT MESH) GATE WITH SELF CLOSING HINGES AND MAGNA LATCH SERIES 3 WITH ROUND POST KIT OR EQUAL
- RAMP WALL PER STRUCTURAL, TERMINATE INTO STEEL COLUMN WITH MAX. 1" GAP
- SPANDREL GLASS, COLOR V948 BY VIRACON OR EQUAL
- 8" ANODIZED ALUM. BOX GUTTER WITH 2" DIA. ROUND DOWNSPOUT
- WALL MOUNTED DUCTLESS HVAC CONDENSING UNIT, REFER TO MEP DRAWINGS FOR MOUNTING DETAILS
- CENTER ELECTRICAL SERVICE ON WALL
- MATCH RAMP LANDING WITH EXISTING POOL DECK HEIGHT, ADJUST POOL DECK AS NEEDED FOR COMPLIANT FLUSH FINISH AND CONTINUATION OF DRAINAGE AWAY FROM POOL AND AWAY FROM NEW PAVILION



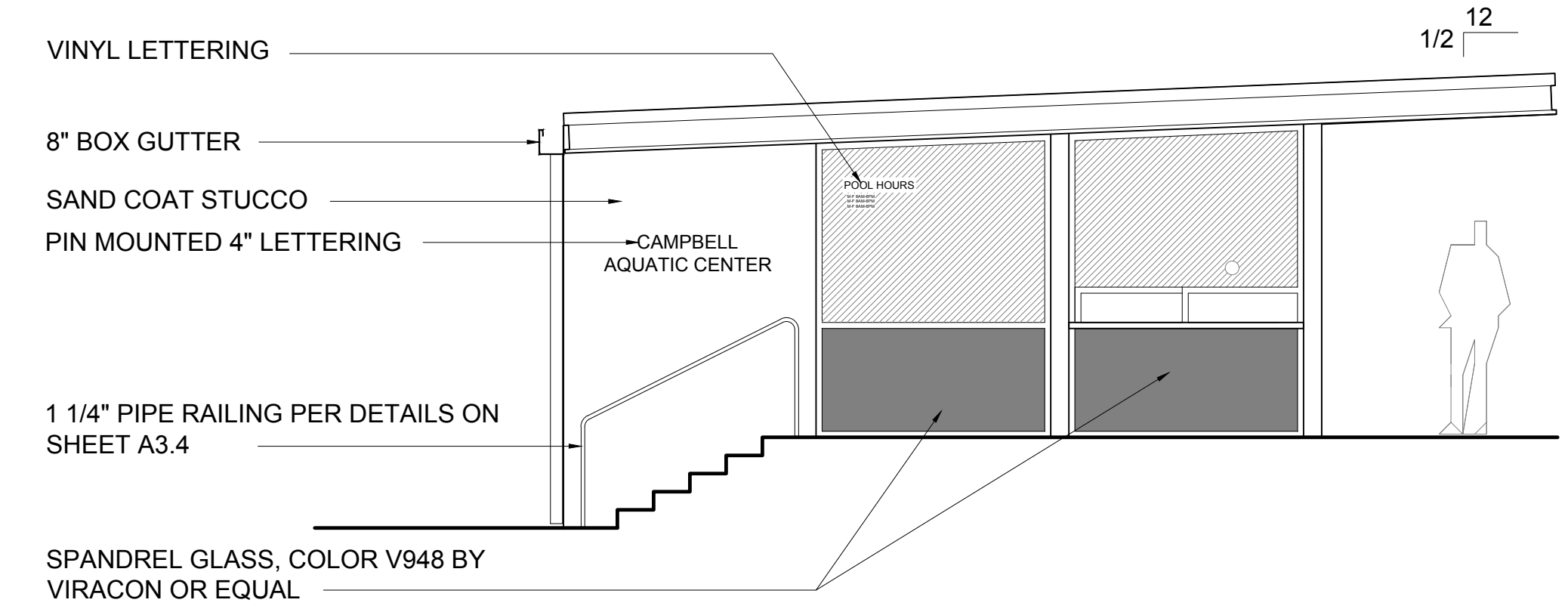
2 SOUTH ELEVATION
1/4" = 1'-0"

- RAMP WALL BEYOND WITH CORE DRILLED CHAIN LINK ON TOP
- STOREFRONT GLASS AND DOOR PER SCHEDULES
- STEEL PANEL PER DESK DETAIL SHEET A9.1 PAINT TO MATCH SPANDREL GLASS COLOR
- 6' BLACK VINYL COATED CHAIN LINK "TIGHT MESH" FENCE / GATE WITH SELF CLOSING HINGES AND MAGNA LATCH SERIES 3 WITH ROUND POST KIT OR EQUAL



5 WEST ELEVATION
1/4" = 1'-0"

- BLACK VINYL CHAIN LINK FENCING, SYMMETRY OF POSTS TO BE AS SHOWN
- PIN MOUNTED 4" TALL BLACK POWDER COATED LETTERING TO MATCH NORTH ELEVATION
- ANODIZED ALUMINUM HANDRAIL EA. SIDE OF STAIRS, SEE SHEET A3.4 FOR DETAILS
- LINE OF STAIRS AND POOL DECK BEYOND



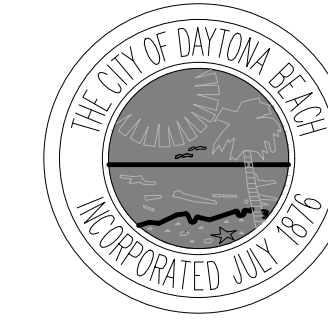
4 WEST ELEVATION
1/4" = 1'-0"

- VINYL LETTERING
- 8" BOX GUTTER
- SAND COAT STUCCO
- PIN MOUNTED 4" LETTERING
- 1 1/4" PIPE RAILING PER DETAILS ON SHEET A3.4
- SPANDREL GLASS, COLOR V948 BY VIRACON OR EQUAL

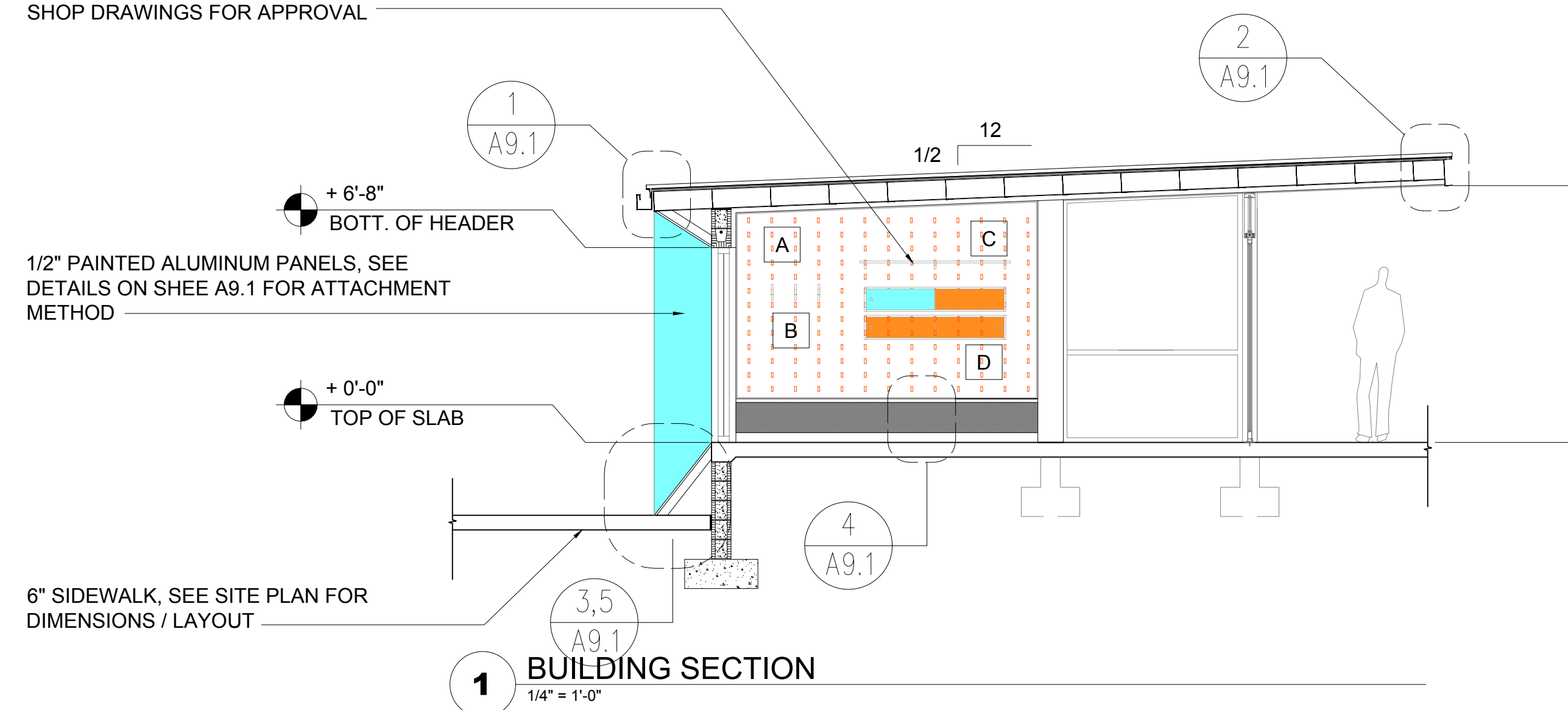
CAMPBELL POOL ENTRY PAVILION AND POOL AREA IMPROVEMENTS

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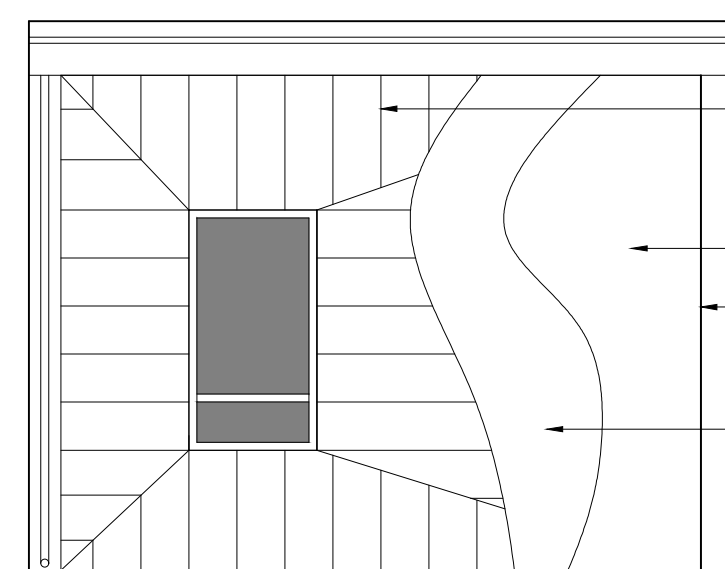
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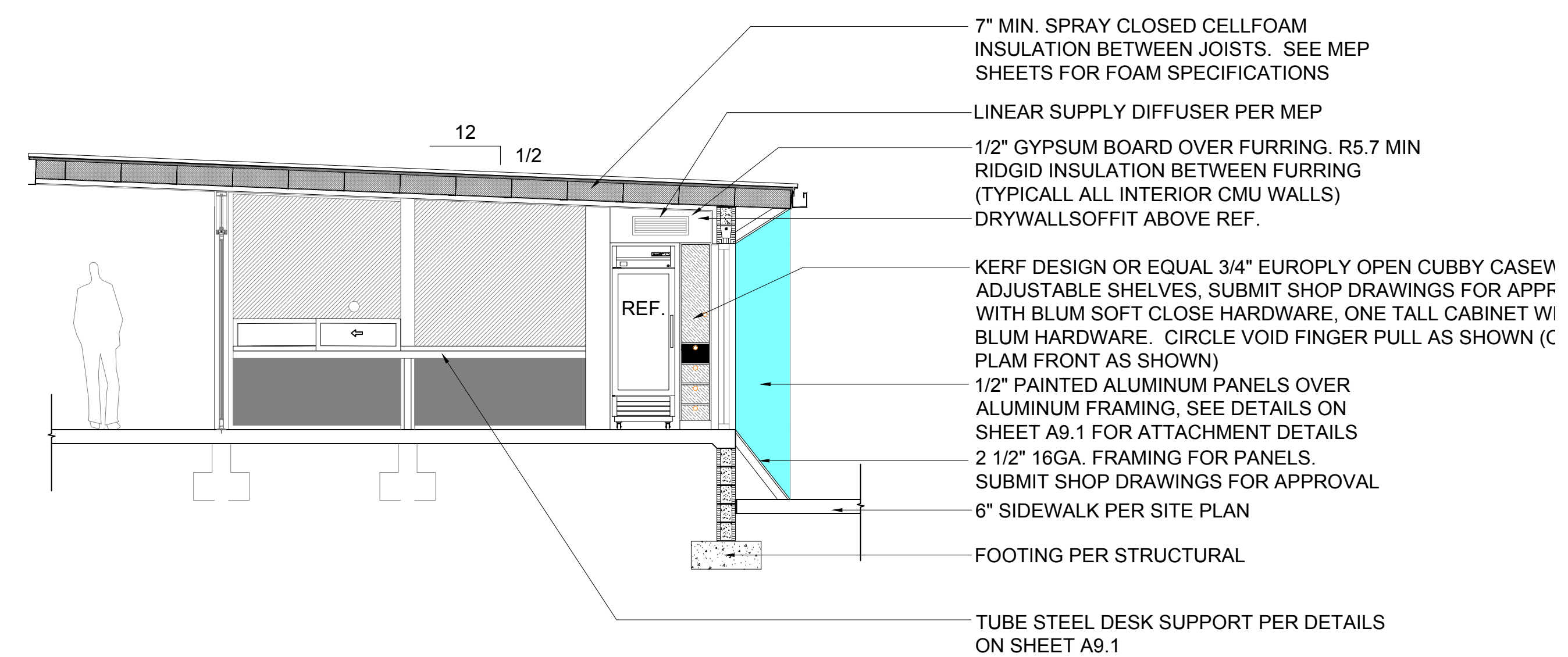
"KERFWALL" STORAGE SYSTEM. PROVIDE SHOP DRAWINGS FOR APPROVAL



1 BUILDING SECTION
1/4" = 1'-0"



3 FRAMING ELEVATION FOR PANELS
1/4" = 1'-0"



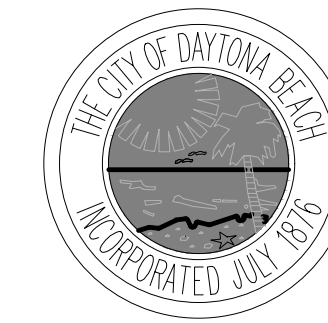
2 BUILDING SECTION
1/4" = 1'-0"

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NOTE: ALL POUR IN PLACE WALLS TO HAVE CHAMFERED TOP CORNERS AND CLEAN BOARD FORMED FINISHES WITH EXPOSED FIBERGLASS TIES. CONCRETE MIX TO BE 5 SACK 3,500 PSI 5 INCH SLUMP WITH (HIGH CEMENT RATIO) PLASTICIZER TO BE ADDED AS NEEDED. VIBRATION TO FULL DEPTH OF POURS

NOTE: ASPHALT EXPANSION JOINT TO BE USED AT ALL SLAB TO WALL TRANSITIONS ISOLATION MATERIAL TO BE SLAB HEIGHT, NO EXCEPTIONS

SLOPING TOP OF WALL 42° ABOVE UPPER RAMP RUN PER ELEVATIONS (7'-6" MAX HEIGHT ABOVE TOP OF FOOTING)

TOP OF WALL BEYOND

RAMP LANDING BEYOND

HEIGHT OF RAMP WALL ABOVE WALKING SURFACE IS 42" (TYPICAL)

WALL HEIGHT FROM TOP OF FOOTING

6" THICK CONCRETE WALK PER SITE PLAN

LANDSCAPING, SEE SHEET L1.1

CONT. ANODIZED ALUMINUM 1 1/4" HANDRAIL @ 36" ABOVE WALKING SURFACE, BOTH SIDES OF RAMP AS SHOWN. BRACKET TO BE WAGNER RB14030 STEEL HANDRAIL BRACKET. POWDERCOAT BRACKETS COLOR TO MATCH ALUMINUM HANDRAIL (BRACKET FASTENERS TO BE SET IN EPOXY FILLED HOLES)

VINYL COATED CHAIN LINK CORE DRILLED INTO TOP OF WALL

NOTE: CHAIN LINK ON TO BE TOP OF WALL FOR ENTIRE LENGTH OF RAMP RUN

(E) POOL DECK

6" CONCRETE SLAB / RAMP WALKING SURFACE OVER COMPACTED / TREATED FILL

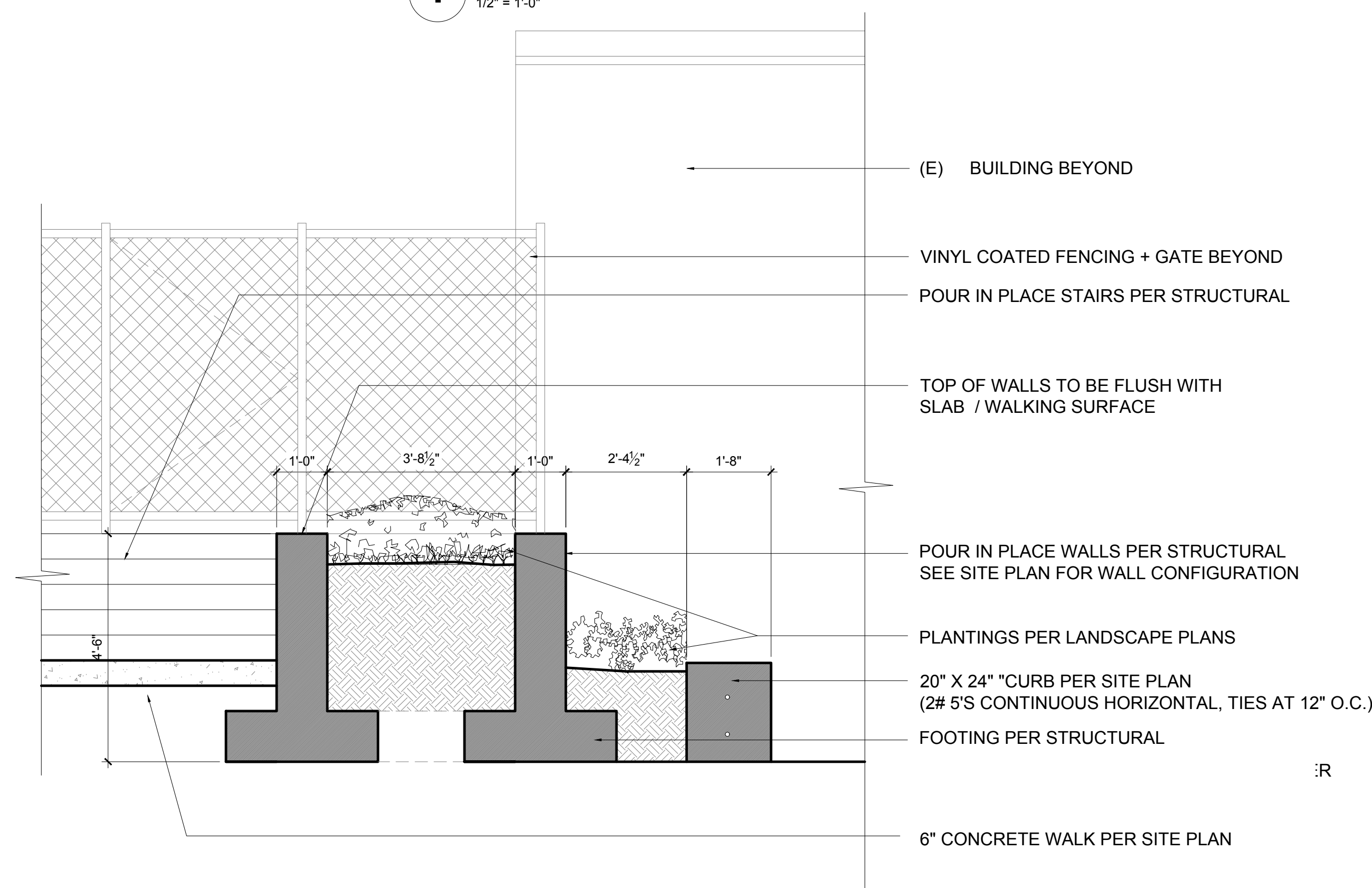
POUR IN PLACE RAMP WALLS AND FOOTINGS PER STRUCTURAL

NOTE: PROVIDE BID ALTERNATE OF CMU WALLS AND SAND COAT STUCCO FINISH FOR ALL RAMP AND LANDSCAPE WALLS SHOWN

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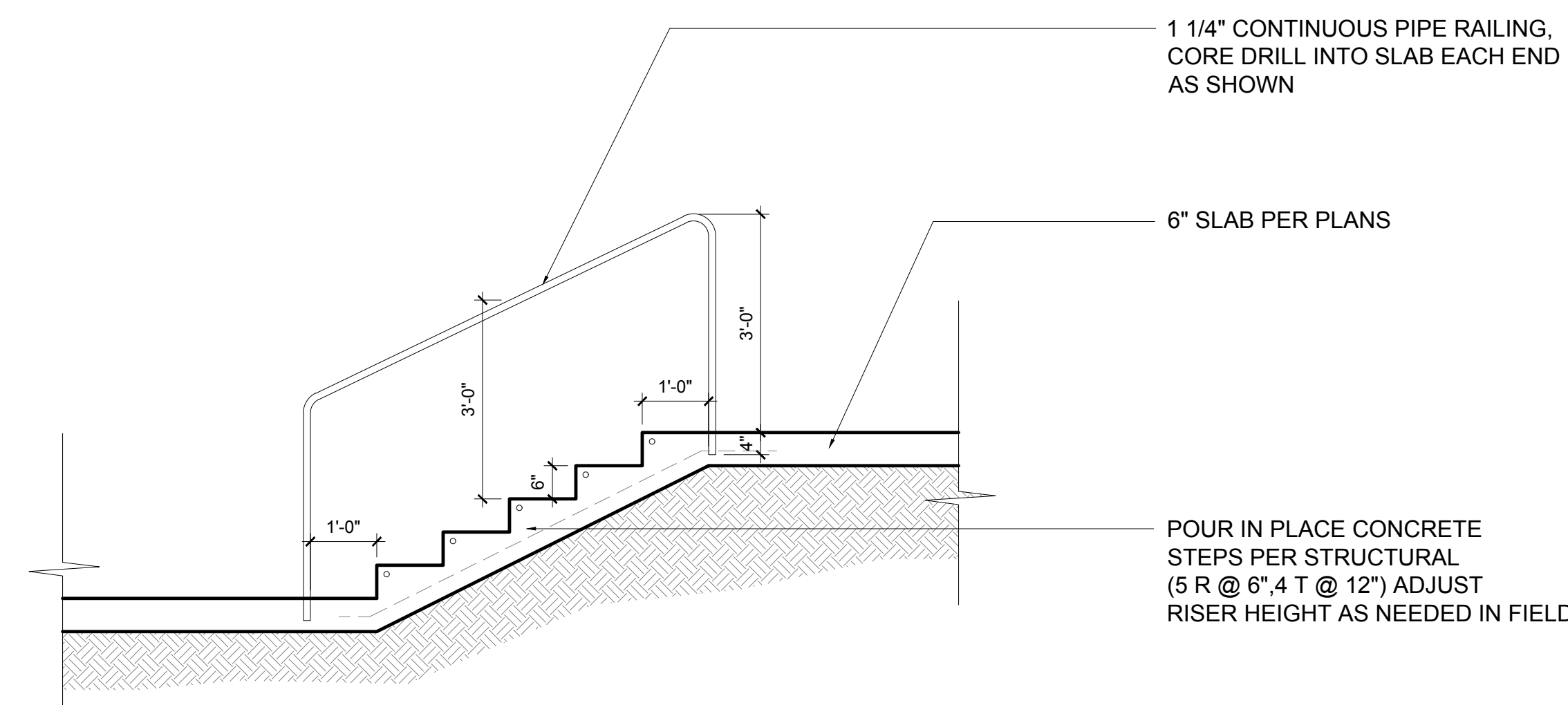
1 RAMP SECTION

1/2" = 1'-0"



3 WALL SECTION @ ENTRY STAIRS

1/2" = 1'-0"



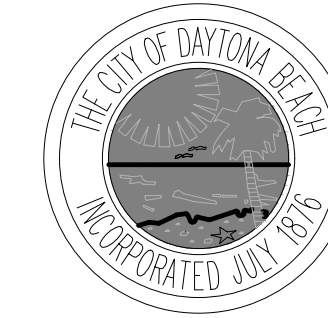
2 POUR IN PLACE ENTRY STAIR SECTION

1/2" = 1'-0"

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COUNTER SURFACE SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH / COLOR	REMARKS
SS-1	SILESTONE	QUARTZ 1.2 CM	AS NEEDED	POLISHED (ICONIC WHITE)	POLISHED WITH A BASIC EASED EDGE @ TOP INTERACTION POINT, ALL SQUARE EDGES OTHERWISE

APPLIANCE SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH	REMARKS
T	TRUE	T-19G-HC-FGD01	1	CLEAR	

KERFWALL SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH	REMARKS
A	KERF DESIGN	KERFWALL PANEL	AS NEEDED	MAPLE	SUMBIT DRAWINGS TO KERF DESIGNS FOR PRICING
B	KERF DESIGN	HOOKS	3	MAPLE	SUMBIT DRAWINGS TO KERF DESIGNS FOR PRICING
C	KERF DESIGN	7 SLOT SHELF	1	MAPLE	PLAM COLORS BY ARCHITECT
C	KERF DESIGN	7 SLOT BIG SLIDER	2	MAPLE	PLAM COLORS BY ARCHITECT

NOTE: BEFORE MOUNTING PLEASE CONTACT ARCHITECT FOR LAYOUT APPROVAL

SITE FURNISHING SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH	REMARKS
A	WASAU	TF-3212	8	G23 GRAY	ALL BENCHES AND TABLES TO BE FASTENED PER MANUFACTURERS SPECIFICATIONS
B	LANDSCAPE FORMS	RING BIKE RACK	3	FLAMBE ORANGE	SPACE PER MANUF. RECOMMENDATIONS. COORDINATE EXACT INSTALLATION LOCATION WITH ARCHITECT
C					

NOTE: BEFORE MOUNTING ANY SITE FURNISHING AND EQUIPMENT, PLEASE CONTACT ARCHITECT FOR LAYOUT APPROVAL

PAVILION FINISH SCHEDULE

LOCATION	PAINT COLOR	PRODUCT/DESCRIPTION
PAVILION TUBE STEEL COLUMNS / STEEL FASCIA	PT-1	DURATION MATTE (SHERWIN WILLIAMS)
PAVILION EXPOSED SOFFIT	PT-2	SATIN SHEEN
PAVILION INTERIOR WALLS / CEILING	PT-3	DURATION MATTE (SHERWIN WILLIAMS)
PAVILION EXTERIOR WALLS (STUCCO)	PT-4	DURATION MATTE (SHERWIN WILLIAMS)
PAVILION POWDER COAT PANELS	PT-5	POWDER COAT TO MATCH SW9055, PROVIDE SAMPLE

MATERIAL LEGEND NOTES:

PT-1 SHERWIN WILLIAMS DURATION IRON ORE SW7069 MATTE (INTERIOR) MATTE (EXTERIOR) OR APPROVED EQUAL
 PT-2 OSMO OIL CLEAR UV PROTECTION (SATIN SHEEN) OR APPROVED EQUAL
 PT-3 SHERWIN WILLIAMS DURATION SNOWBOUND SW7004 MATTE (INTERIOR)
 PT-4 SHERWIN WILLIAMS DURATION SNOWBOUND SW7004 MATTE (EXTERIOR)
 PT-5 POWDER COAT FINISH TO MATCH SHERWIN WILLIAMS SW9055 (BILLOWY BREEZE)

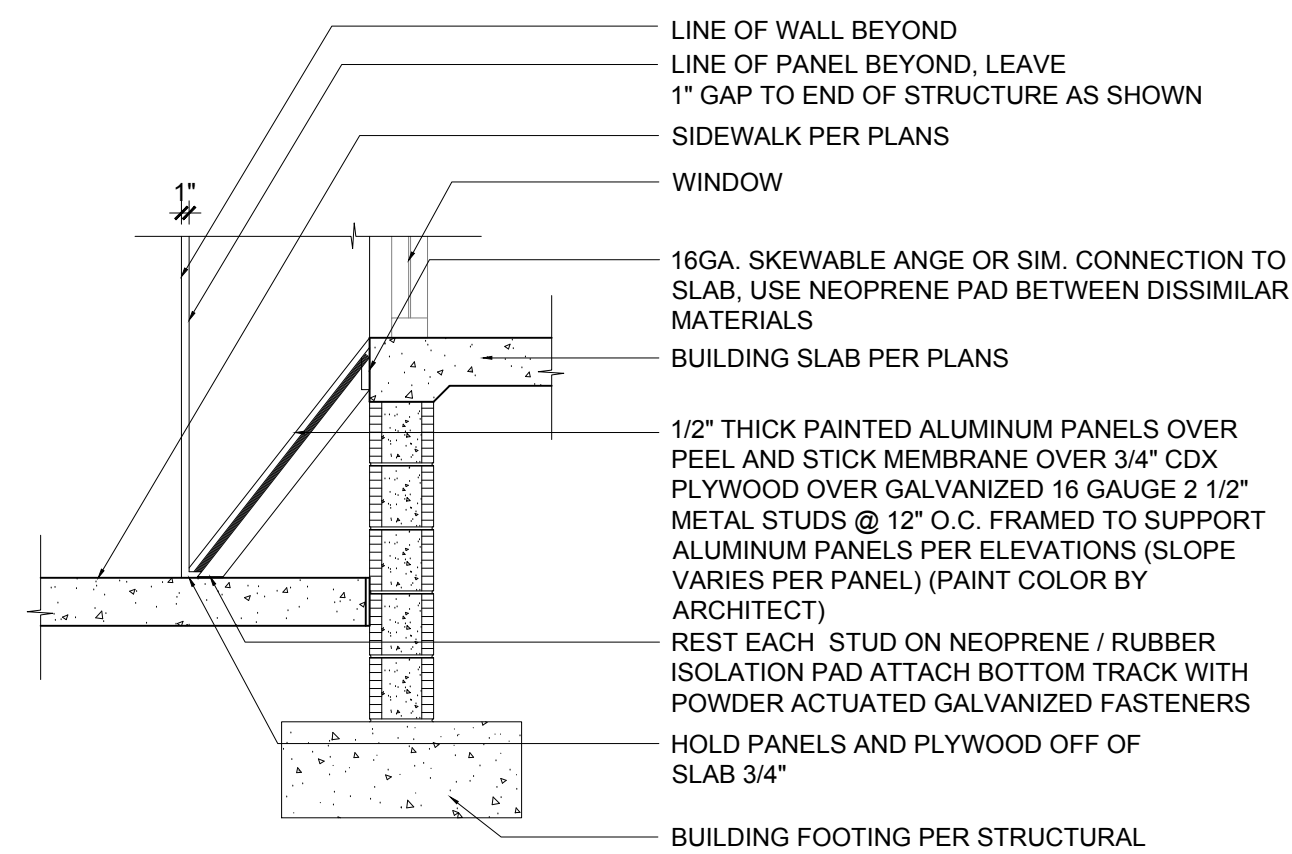
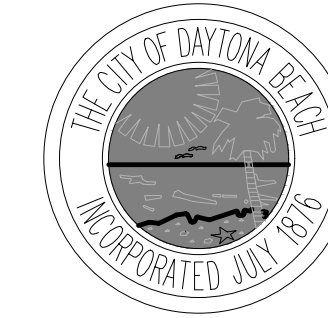
ISSUE	DATE
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CAMPBELL POOL ENTRY PAVILION AND POOL AREA IMPROVEMENTS

400 Dr. M.L.K Jr. BLVD
DAYTONA BEACH, FL
32114

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 PROJECT NO: 2018-044

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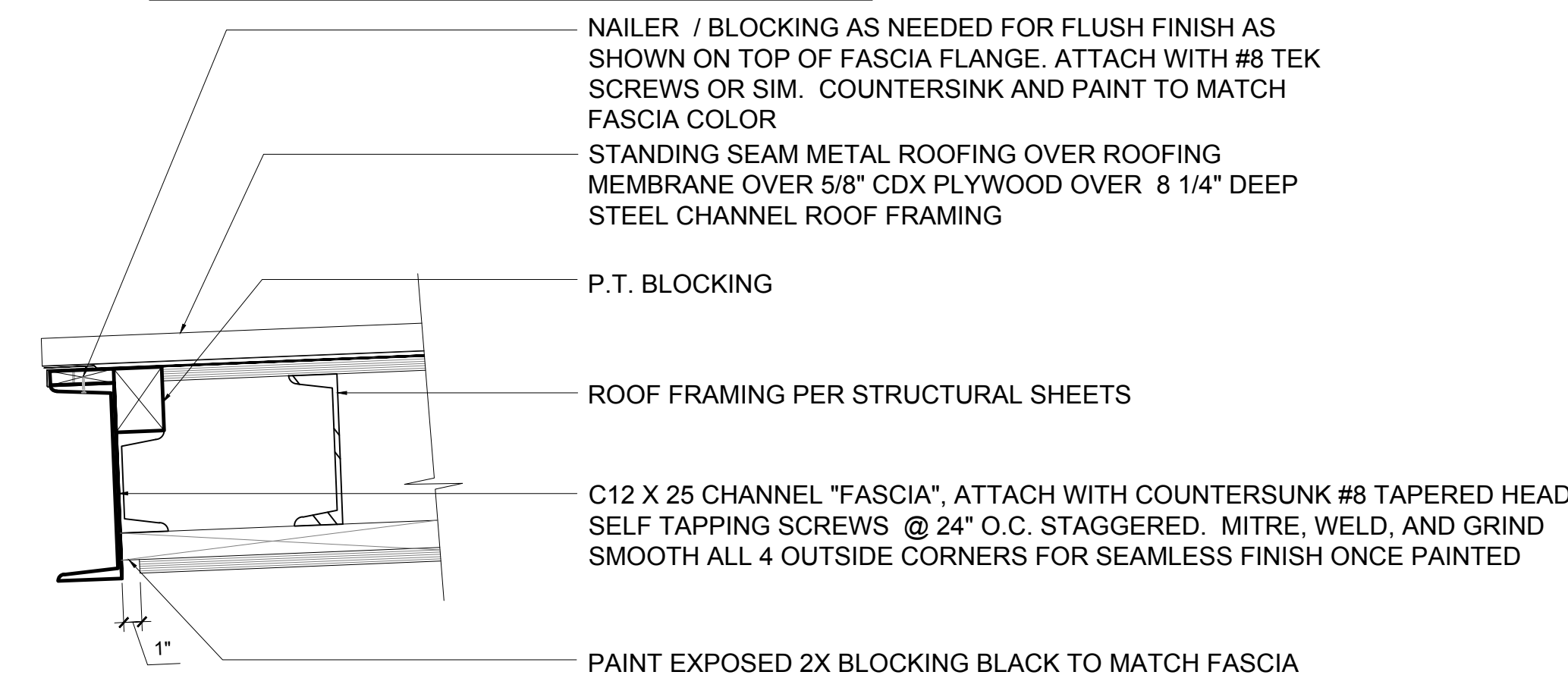


5 ALUM. PANEL DETAIL
SCALE: 1/2" = 1'-0"

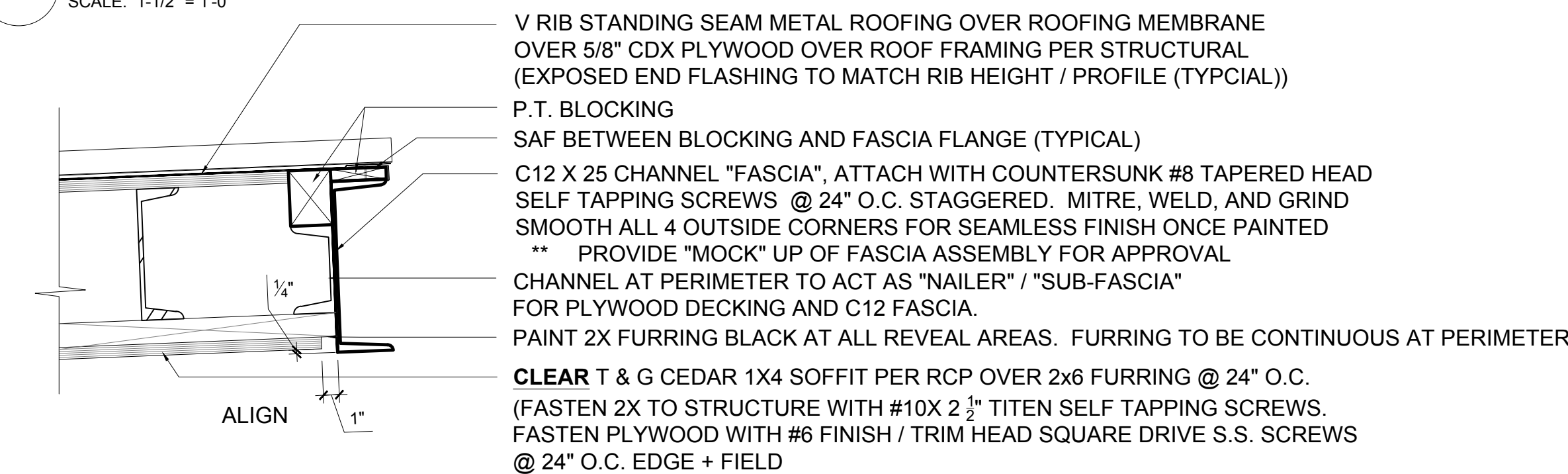
NOTE: CONTRACTOR TO PROVIDE AND INSTALL A COMPLETE "MOCK-UP" OF PANELS WITH PLYWOOD PRIOR TO FABRICATION OF ALUMINUM PANELS.

NOTE:
FASTEN PLYWOOD TO METAL STUDS WITH #10 S.S. SELF DRILLING WAFFER HEAD SCREW WITH WINGS @ 12" O.C. EACH STUD
FASTEN ALUMINUM PANELS TO PLYWOOD WITH TAPERED HEAD #10 S.S. SHEET METAL SCREWS @ 24" O.C. EACH STUD (COUNTERSINK FOR A FLUSH FINISH) SCREW HEADS TO BE UNPAINTED
PAINT / PRIMER TO BE APPLIED TO PANELS WITH AIRLESS SPRAYER IN A CONTROLLED ENVIRONMENT

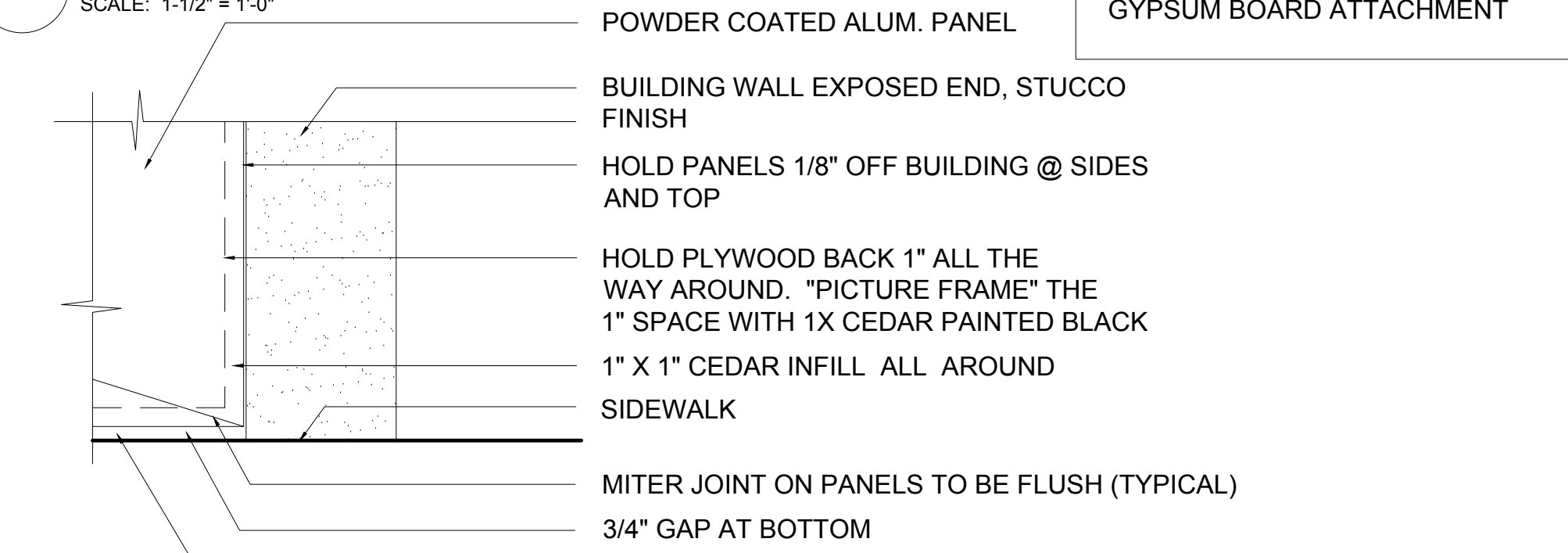
NOTE: CONTRACTOR TO PROVIDE "MOCK UP" OF ROOF ASSEMBLY AS SHOWN FOR APPROVAL PRIOR TO ORDERING MATERIALS.



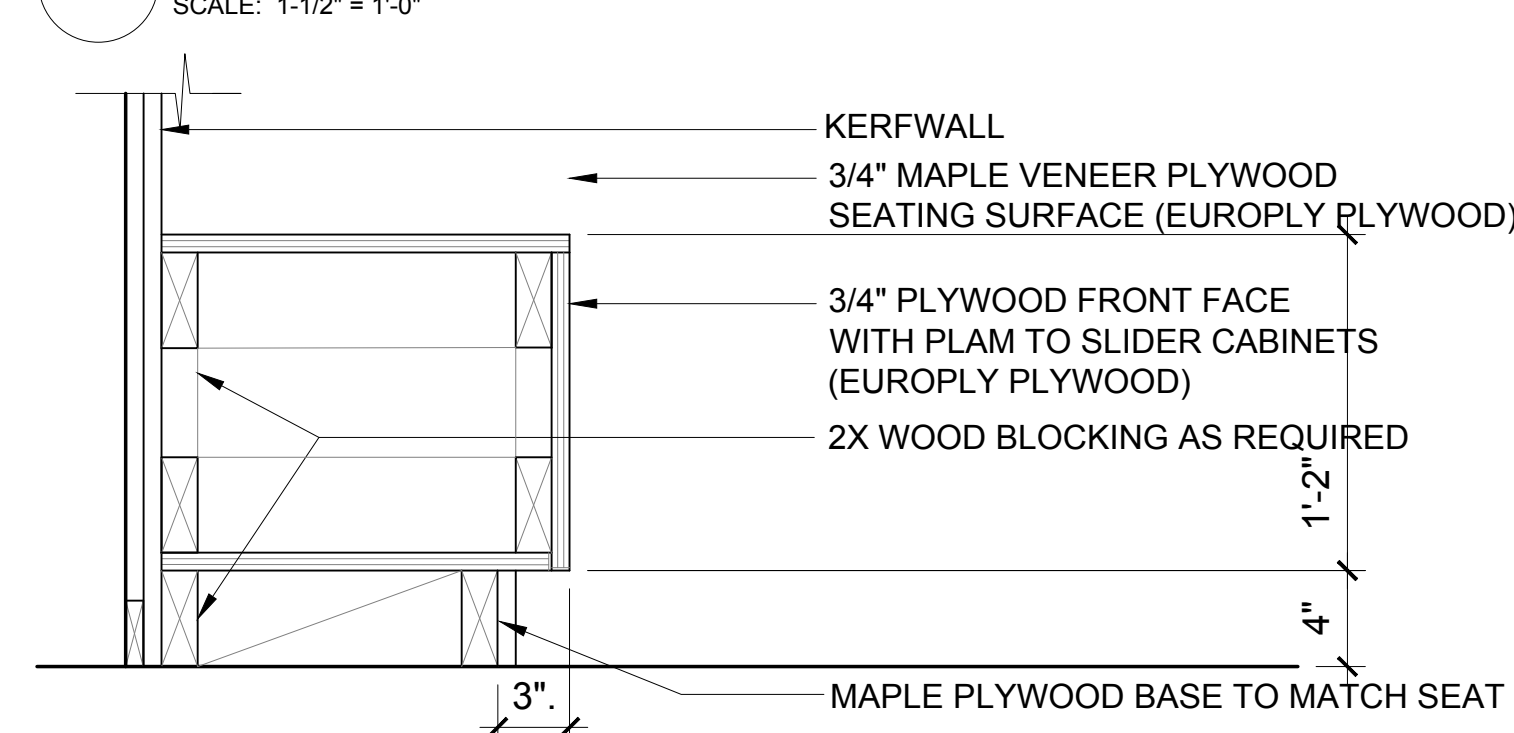
1 ROOF EDGE LOWER DETAIL
SCALE: 1-1/2" = 1'-0"



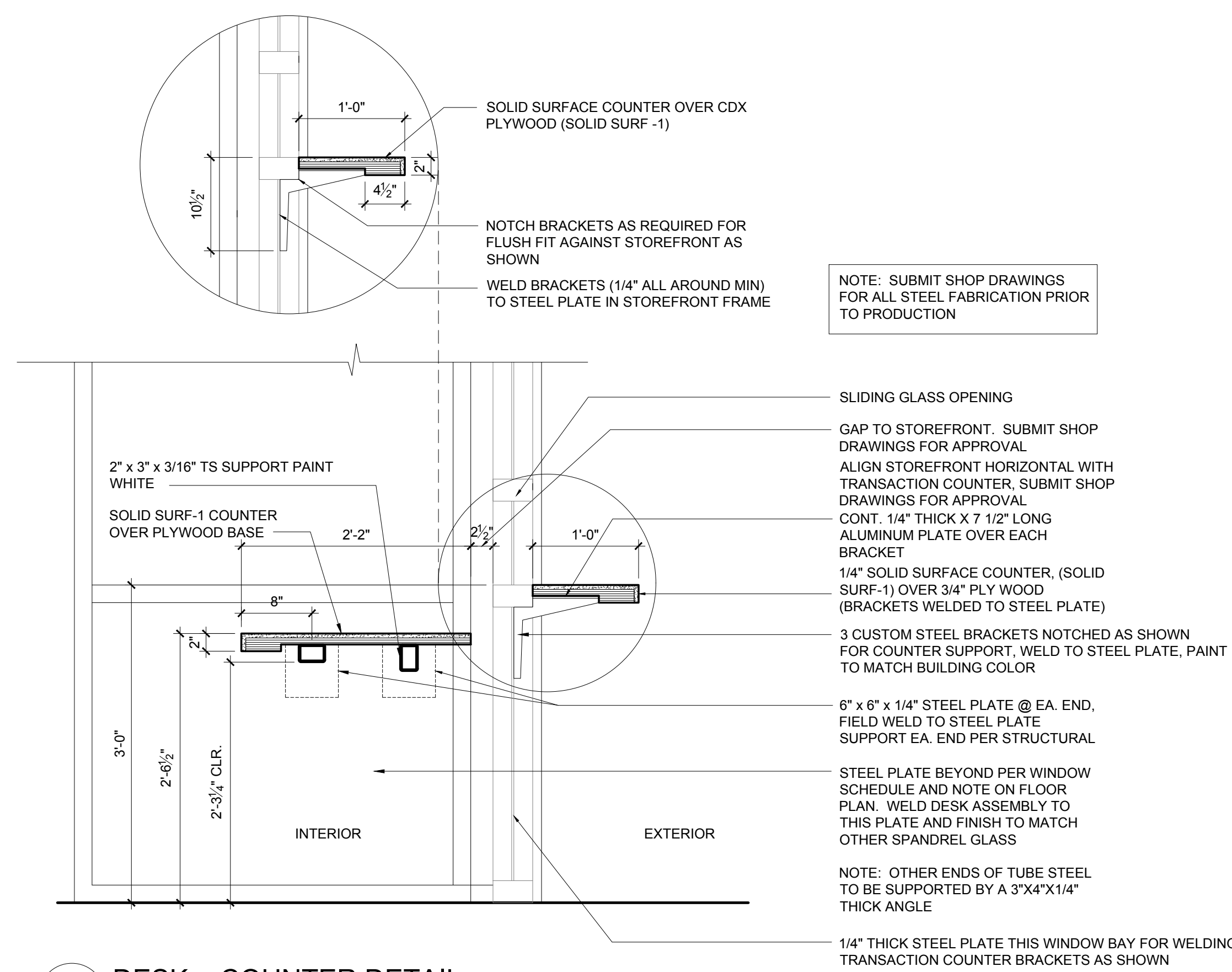
2 ROOF EDGE UPPER DETAIL
SCALE: 1-1/2" = 1'-0"



3 PANEL EDGE DETAIL
SCALE: 1-1/2" = 1'-0"



4 PLYWOOD SEAT
SCALE: 1-1/2" = 1'-0"



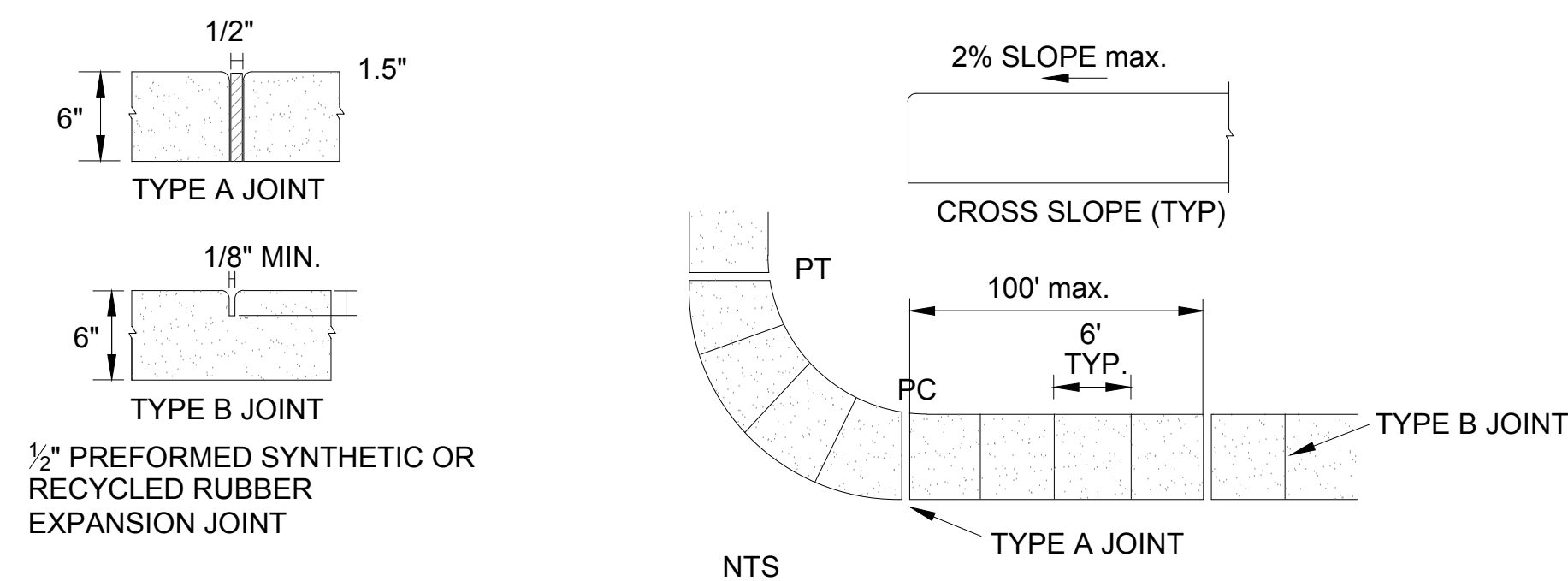
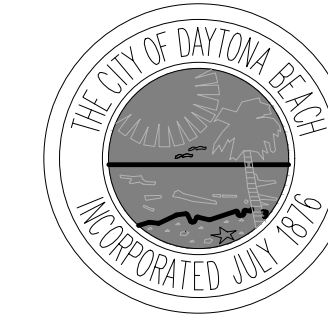
6 DESK + COUNTER DETAIL
SCALE: 1" = 1'-0"

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**CAMPBELL
POOL ENTRY
PAVILION AND
POOL AREA
IMPROVEMENTS**

400 Dr. M.L.K Jr. BLVD
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32114

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NOTES:

1. SIDEWALKS, BIKE PATHS, RAMPS AND DRIVEWAY APRONS SHALL BE CONSTRUCTED OF PLAIN PORTLAND CEMENT CONCRETE WITH A MAXIMUM SLUMP OF 3", A MINIMUM DEVELOPED COMPRESSIVE STRENGTH OF 3500 P.S.I. IN 28 DAYS, AND A MINIMUM UNIFORM THICKNESS OF 6".
2. ALL CURB CUTS AND HANDICAP RAMPS SHALL BE ADA COMPLIANT AND TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST EDITION.
3. ISOLATION JOINTS (TYPE A JOINTS) SHALL BE PROVIDED BETWEEN EXISTING SLABS OR STRUCTURES AND FRESH CONCRETE, TO SEPARATE PEDESTRIAN SECTIONS FROM SECTIONS WHICH WILL ENCOUNTER VEHICLE TRAFFIC, TO SEPARATE FRESH PLACEMENT OF CONCRETE WHICH HAS SET FOR MORE THAN 60 MINUTES, AND NO FARTHER APART THAN 100' IN SIDEWALKS AND BIKE PATHS. PREFORMED EXPANSION JOINT MATERIAL SHALL BE AS SPECIFIED IN F.D.O.T. STANDARDS AND SPECIFICATIONS, LATEST EDITION, AND SHALL BE SYNTHETIC, RECYCLED RUBBER OR OTHER PRE-APPROVED NON-BIODEGRADABLE ELASTOMERIC MATERIAL. WOOD AND DECCA-DRAIN STYLE POOL DRAINS ARE STRICTLY PROHIBITED IN ACCORDANCE WITH CHAPTER 8.1.2 OF THE FDOT SOILS AND FOUNDATIONS HANDBOOK, LATEST EDITION.
4. CONTROL JOINTS (TYPE B JOINTS) SHALL BE TOOLED INTO THE FRESH CONCRETE OR SAW CUT INTO CURED CONCRETE TO A DEPTH EQUAL TO 1/4 THE SLAB THICKNESS AND SPACED APART A DISTANCE EQUAL TO THE WIDTH OF THE SLAB OR 5' WHICHEVER IS LESS.
5. THE SLAB SURFACE SHALL BE BROOM FINISHED TO BE SLIP RESISTANT, AND SHALL MATCH AS CLOSELY AS POSSIBLE THE FINISH OF EXISTING ADJACENT SLABS AND ALL EDGES SHALL BE TOOLED TO ELIMINATE SHARP CORNERS.
6. THE BEARING SUBSURFACE SHALL HAVE ALL ORGANIC, LOOSE, AND DELETERIOUS MATTER REMOVED, AND THE REMAINING CLEAN SOIL SHALL BE SMOOTH, SOUND, AND SOLID. ANY FILL MATERIAL SHALL BE COMPACTED WITH A VIBRATORY OR IMPACT COMPACTION MACHINE IN MAXIMUM 12" LIFTS OR COMPACTED WITH A HAND TAMPER IN MAXIMUM 4" LIFTS THE CITY SHALL REQUIRE A COMPACTION TEST FOR EACH LIFT IF THE TOTAL FILLED SECTION IS MORE THAN 12" DEEP OR IF THE SUBSURFACE HAS BEEN DISTURBED MORE THAN 12" DEEP. WHERE SUCH TEST IS REQUIRED, THE RESULTS SHALL SHOW A MINIMUM PROCTOR FIELD DENSITY OF 95%. MOISTURE SHALL BE APPLIED TO DRY FILL MATERIAL TO ACHIEVE DENSITY REQUIREMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE FINISHED SLAB FROM ALL DAMAGE AND VANDALISM UNTIL THE CITY ACCEPTS OR APPROVES THE SLAB, AFTER WHICH TIME THE OWNER OF THE ABUTTING LAND SHALL BE RESPONSIBLE FOR THE SLAB IN ACCORDANCE WITH THE CITY CODE. ANY SLAB SECTION DAMAGED OR VANDALIZED PRIOR TO ACCEPTANCE OR APPROVAL SHALL BE CUT OUT BETWEEN JOINTS AND REPLACED AT ON ADDITIONAL COST TO THE OWNER. REPAIRS ARE NOT ACCEPTABLE.
8. ALL FORMS SHALL BE REMOVED PRIOR TO ACCEPTANCE OR APPROVAL AND THE DISTURBED GROUND SHALL BE BACKFILLED, RE-GRADED, AND SODDED SO THAT THE WEAR SURFACE OF THE CONCRETE IS REASONABLY FLUSH WITH THE ADJACENT GRADE.

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CAMPBELL POOL ENTRY PAVILION AND POOL AREA IMPROVEMENTS

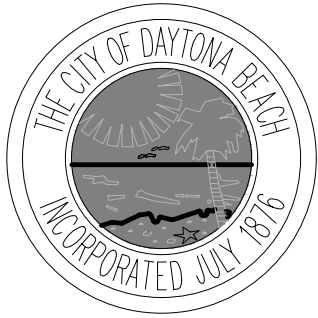
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DAYTONA BEACH, FL
32114

1 SIDEWALK DETAILS

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CHECKED: BCC
PROJECT NO: 2018-044

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Landscapе Notes

- A. PLANT MATERIAL STANDARDS
- ALL PLANT MATERIAL USED ON THIS PROJECT SHALL EXCEED THE CLASSIFICATION OF "FLORIDA NO. 1" AS DESCRIBED IN THE LATEST EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS", PARTS I AND II, BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. REFER TO DETAILS FOR FURTHER QUALITY SPECIFICATIONS. ALL QUESTIONS CONCERNING THIS PLAN SET AND/OR SPECIFICATIONS SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT.
 - ALL PLANT MATERIAL SHALL MEET OR EXCEED SIZE SPECIFICATIONS DEFINED HEREIN. ANY MATERIAL NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
 - THE LANDSCAPE ARCHITECT/OWNER WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
 - PLANT MATERIAL IS SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND OWNER, BEFORE, DURING AND AFTER INSTALLATION, AS PER SPECIFICATIONS.
 - ALL SOD SHALL BE 100% SOLID SOD, 99% FREE OF NOXIOUS WEEDS, WITH A TWO (2) INCH THICKNESS OF ROOTS CAPABLE OF HOLDING SAND. SOD SHALL BE FRESHLY CUT WITHIN TWENTY-FOUR (24) HOURS OF LAYING, LAID WITH TIGHTLY-BUTTED JOINTS AND ROLLED. HAND RAKING SHALL BE DONE AS NECESSARY TO ENSURE PROPER EVEN GRADES AND CLEAR SURFACES FOR SOD.
 - ALL SINGLE-TRUNK TREES SHALL BE STRAIGHT TRUNKED WITH ONE CENTRAL LEADER AND FULLY CROWNED.
 - ALL TREES SHALL BE FREE OF OPEN WOUNDS AND WOUND SCARS IN THE CLEAR TRUNK AREA.
 - ALL TREES SHALL HAVE A MINIMUM HEIGHT OF EIGHT (8) TO TEN (10) FEET AND TWO (2) INCHES OF CALIPER.
- B. GRADING OF PLANTING BEDS
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING FINE GRADING OF PLANTING AREAS TO INSURE AT LEAST 3% POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO TURF AREAS, PONDS, STREETS OR OTHER DRAINAGE WAYS. IN ADDITION, THE FINISH MULCH ELEVATION AT THE BUILDINGS SHALL BE AT LEAST 6" BELOW FINISH FLOOR OF THE ADJACENT BUILDINGS. VERIFY THIS CONDITION WITH GENERAL CONTRACTOR PRIOR TO BEGINNING WORK. PARKING LOT ISLANDS SHALL SLOPE AT 3" FROM CENTER OF ISLAND TO CURB. TURF AND PLANTING BEDS SHALL MEET SIDEWALKS AND FLATWORK AT 2" BELOW THE FLATWORK.
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL FINAL GRADING OF BERMS, BED AREAS AND SOD AREAS UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT, BOTH BEFORE AND AFTER LANDSCAPE INSTALLATION HAS BEGUN.
- C. BED PREPARATION AND PLANTING
- LOOSEN SOIL TO A MINIMUM DEPTH OF FOUR (4) INCHES AND REMOVE ALL DEBRIS. REGRADE THE BED TO ITS PRE-PLANTING SUBGRADE. FILL PLANT PIT WITH 50% EXISTING SOIL AND 50% TOPSOIL (SEE BELOW) AND COMPACT SO THAT THE TOP OF ROOT BALL WILL SETTLE 1/8 DEPTH OF ROOT BALL ABOVE FINISH GRADE. SET PLANT AND FILL REMAINDER OF HOLE WITH PLANTING MIX. FERTILIZE EACH PLANT AS RECOMMENDED BY SOIL ANALYSIS. THE LANDSCAPE CONTRACTOR SHALL PROVIDE OWNER WITH A YEARLY FERTILIZATION PROGRAM AS DEFINED BY THE SOIL ANALYSIS. WATER IN THOROUGHLY. RESET ANY PLANTS THAT SETTLE TOO DEEP. REMOVE SPOIL DIRT AND RAKE THE BED TO ITS FINISH GRADING. COVER ALL BED AREAS WITH A 3" DEPTH OF MULCH (SEE PLANT LIST). REMOVE ALL DEBRIS FROM MULCH.
 - NON-CANOPY TREES SHALL NOT BE PLANTED CLOSER THAN TEN (10) FEET FROM OTHER TREES AND CANOPY TREES SHALL NOT BE PLANTED CLOSER THAN 20 - 30 FEET, DEPENDING UPON SPECIES OR UNLESS APPROVED BY THE COUNTY ADMINISTRATOR AND/OR LANDSCAPE ARCHITECT.
 - PLANT MATERIAL THAT EXCEEDS TWENTY-FIVE (25) FEET IN HEIGHT AT MATURITY SHOULD NOT BE PLANTED CLOSER THAN FIFTEEN (15) FEET OF THE VERTICAL PLANE OF AN EXISTING POWER LINE, EXCLUDING SERVICE WIRES.
 - TREES SHALL NOT BE PLANTED CLOSER THAN SEVEN AND ONE HALF (7.5) FEET FROM THE CENTERLINE OF UNDERGROUND UTILITIES.
 - BALLED AND BURLAPPED STRAPPING WIRE AND ANY SYNTHETIC MATERIAL SHALL BE REMOVED PRIOR TO FINAL INSPECTION. WIRE BASKETS SHOULD BE CUT AWAY FROM THE TOP 1/3 OF THE ROOTBALL.
 - MULCH SHALL BE PROVIDED A MINIMUM OF THREE (3) INCHES IN DEPTH AROUND ALL NEWLY PLANTED LANDSCAPE (CYPRESS MULCH IS NOT ALLOWED PER SIC CODE). SEE PLANT SCHEDULE FOR TYPE OF MULCH.
 - A MULCH RING FOR ALL NEWLY PLANTED TREES SHALL BE PROVIDED AT LEAST FIVE (5) FEET IN DIAMETER. DO NOT MULCH WITHIN SIX (6) INCHES FROM THE TREE TRUNK.
 - PLANT INSTALLATION SHALL NOT PROCEED PRIOR TO THE INSTALLATION AND OPERATION OF THE LANDSCAPE IRRIGATION SYSTEM. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO PLANT MATERIAL CAUSED BY INSUFFICIENT WATER.
 - ALL PLANTINGS AND BED LAYOUTS SHALL BE SET AND APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. IF PLANT MATERIAL IS INSTALLED PRIOR TO OWNER/LANDSCAPE ARCHITECT'S APPROVAL, CONTRACTOR WILL BE SUBJECT TO RELOCATING THE MATERIAL AT THE OWNER'S REQUEST AND THE CONTRACTOR'S OWN EXPENSE.
 - ALL DISTURBED AREAS OUTSIDE OF THIS SCOPE TO BE SODDED; REFER TO CIVIL ENGINEERING PLANS FOR DETAILS AND SPECIFICATIONS.
- D. TOPSOIL
- TOPSOIL SHALL BE A NATURAL FRIABLE, FERTILE, FINE LOAM SOIL. IT SHALL BE CERTIFIED (BY TESTING) TO BE FREE OF WEED SEEDS AND PATHOGENS. IT SHALL ALSO BE FREE OF LITTER, SOD, CLAY, STONES, ROOTS AND STUMPS. IT SHALL BEAR A PH OF BETWEEN 5.5 AND 7.5.
 - SOIL IN TREE ISLANDS SHALL HAVE AT LEAST TWELVE (12) INCHES OF SUITABLE SOIL FOR TREE PLANTINGS AND BE VOID OF ANY CONSTRUCTION DEBRIS OR UNSUITABLE MATERIALS.
 - THE GENERAL CONTRACTOR SHALL ENSURE THAT ALL PLANTING ISLANDS, PARKING LOT ISLANDS OR PLANTING AREAS SHALL BE CLEAN OF ALL TRASH, DEBRIS OR OTHER NON-INDIGENOUS MATERIALS TO A DEPTH OF 36" PRIOR TO ANY LANDSCAPE INSTALLATION.
 - FILL FOR ALL PARKING LOT ISLANDS SHALL BE A MIN. OF 3" BELOW TOP OF CURBING AND BE CROWNED TO A MIN. OF 6" ABOVE CURBING AT THE CENTER OF EACH ISLAND.
- E. EDGING
- ALL EDGING SHALL BE AS DESCRIBED IN THE PLANTING DETAILS.
 - MULCHING AND EDGING SHALL BE PER APPROPRIATE NOTES & SPECIFICATIONS.
- F. TREE STAKING
- ALL TREES TO BE STAKED AND GUYED AS SHOWN IN THE DETAILS UNLESS OTHERWISE NOTED.
 - ALL TREES, INCLUDING PALMS, SHALL BE SET VERTICALLY TO THE GROUND OR IF ON SLOPES OR BERMS, SHALL BE SET VERTICALLY TO THE SURROUNDING FLAT TERRAIN.
- G. WARRANTY
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE BY THE OWNER AND/OR LANDSCAPE ARCHITECT. UNTIL FINAL ACCEPTANCE BY THE OWNER AND/OR LANDSCAPE ARCHITECT, ALL PLANT MATERIAL MUST BE MAINTAINED IN GOOD, LIVING CONDITION. THIS INCLUDES KEEPING BEDS FREE OF DEBRIS AND WEEDS, ALL MECHANICAL MAINTENANCE, FERTILIZATION, CHEMICAL TREATMENTS FOR DISEASE OR INFESTATION AND WATERING. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS DIRECTED BY OWNER).
 - THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ANY AND ALL NECESSARY REPAIRS TO DAMAGE CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER OR LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR WARRANTY OF HEALTH OF PLANTS IN ON-SITE SOILS. IF DURING DIGGING, CONTRACTOR DISCOVERS WATER-LOGGED, CLAYEY, COMPACTED OR SIMILARLY POORLY DRAINED SOILS, IT SHOULD BE BROUGHT TO THE ATTENTION OF OWNER/LANDSCAPE ARCHITECT FOR REMEDIAL ACTION.
 - ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.

Contractor Notes

- THE LANDSCAPE CONTRACTOR SHALL REVIEW ALL LANDSCAPE PLANS AND SPECIFICATIONS AND PERFORM AN ANALYSIS OF SITE CONDITIONS RELATIVE TO THE PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION AS WELL AS BECOMING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES AND LINE RUNS PRIOR TO CONSTRUCTION. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- REPORT ALL DISCREPANCIES IN SITE CONDITIONS OR NON-CONFORMANCE TO SPECIFICATIONS (SUCH AS GRADING, BACKFILLING, REMOVAL OF DEBRIS, GRUBBING, ETC) TO LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AND WARRANTY THE HEALTH OF PLANTS IN ON-SITE SOILS. IF, DURING DIGGING, THE CONTRACTOR DISCOVERS WATER-LOGGED, CLAYEY, COMPACTED OR SIMILARLY POORLY DRAINED SOILS, IT SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER FOR IMMEDIATE REMEDIAL ACTION. CONTRACTOR SHALL ALSO TAKE ALL NECESSARY MEASURES TO ENSURE THE VIABILITY AND SURVIVABILITY OF ITALIAN CYPRESS IN THIS SCOPE OF WORK.
- TO INSURE A TIMELY FLOW OF WORK, THE LANDSCAPE CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES OR PROFESSIONALS ON THE SITE WHOSE WORK MAY OVERLAP OR INTERFERE WITH THE WORK SET FORTH IN THE PLAN SET OR WRITTEN SPECIFICATIONS.
- THE PLANT QUANTITIES WITHIN THE PLANT LIST ARE PROVIDED FOR CONVENIENCE PURPOSES. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT MATERIAL QUANTITIES AND ALL QUANTITIES FOR SOD, MULCH, ROCK MULCH, FINISH GRADE/BERMING AND PLANTING SOIL, PRIOR TO BIDDING. WHERE CONFLICTS OCCUR BETWEEN PLAN DRAWINGS AND PLANT LIST, THE PLAN DRAWINGS SHALL PREVAIL.
- CONTRACTOR SHALL SUBMIT UNIT PRICES FOR ALL BID ITEMS.
- DISCREPANCIES IN DOCUMENTS OR SITE CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IN WRITING AT TIME OF BIDDING OR PRIOR TO CONSTRUCTION. NO ACCOUNT SHALL BE MADE AFTER CONTRACT COMPLETION FOR FAILURE TO REPORT SUCH CONDITION OR FOR ERRORS ON THE PART OF THE LANDSCAPE CONTRACTOR AT TIME OF BIDDING (ONLY EXTREMELY PECULIAR AND UNUSUAL CONDITIONS WILL BE CONSIDERED FOR NEGOTIATION).
- ALL QUESTIONS CONCERNING THIS PLAN SET OR SPECIFICATIONS SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT.
- PLANT MATERIALS ARE TO BE BID AS SPECIFIED UNLESS UNAVAILABLE, AT WHICH TIME THE LANDSCAPE ARCHITECT WILL BE NOTIFIED BY TELEPHONE AND IN WRITING OF THE INTENDED CHANGES. THERE SHALL BE NO ADDITIONS, DELETIONS OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL SUBMIT UNIT PRICES FOR ALL BID ITEMS.
- IF ISSUED, WRITTEN SPECIFICATIONS SHALL BE AN INTEGRAL PART OF THIS PLAN SET.
- THE LANDSCAPE CONTRACTOR SHALL FIELD VERIFY PROPERTY LINE LOCATIONS BEFORE INSTALLATION OF ANY PERIMETER PLANT MATERIAL OR IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY APPLICABLE PERMITS AND LICENSES TO PERFORM THE WORK SET FORTH IN THE PLAN SET OR WRITTEN SPECIFICATIONS.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTINGS (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, MOWING, ETC) OF PLANTING AREAS AND LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT AND THE OWNER.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS DIRECTED BY THE OWNER).

Irrigation Design Notes

IT IS THE INTENT OF THE OWNER TO HAVE AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM FOR THIS PROJECT. THE SYSTEM IS TO BE EXECUTED THROUGH A QUALIFIED CONTRACTOR AS A DESIGN/BUILD SCOPE OF WORK. THE DESIGN OF THIS SYSTEM MUST, AT A MINIMUM, COMPLY WITH THE FOLLOWING CRITERIA.

- SYSTEM SHOULD PROVIDE FOR 100% COVERAGE OF ALL PLANTING AREAS WITH HEAD TO HEAD COVERAGE.
- SYSTEM SHOULD BE DESIGNED FOR MOST EFFICIENT USAGE OF WATER USING BEST MANAGEMENT PRACTICES FOR THE PROTECTION OF WATER RESOURCES IN FLORIDA DEVELOPED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DEPARTMENT OF COMMUNITY AFFAIRS, WATER MANAGEMENT DISTRICTS, THE UNIVERSITY OF FLORIDA.
- ALL PROPOSED TREES SHALL EACH HAVE CORRESPONDING BUBBLERS ASSOCIATED WITH IT AS A PART OF THE DESIGN OF THE IRRIGATION SYSTEM.
- IF WATER SOURCE IS FROM THE REUSE OF RECLAIMED WATER; SYSTEM SHOULD BE DESIGNED TO MEET ALL REQUIREMENTS FOR AS SET FORTH BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE FLORIDA DEPARTMENT OF HEALTH, PLUS ANY ADDITIONAL REQUIREMENTS FOR STATE AND LOCAL MUNICIPALITIES AND ANY WATER MANAGEMENT DISTRICTS.
- SYSTEM SHOULD BE DESIGNED TO ISOLATE TURF AREAS FROM SHRUB AREAS.
- SYSTEM SHOULD BE DESIGNED TO ALLOW IRRIGATION TO BE ACCOMPLISHED IN A SIX HOUR PERIOD.
- SYSTEM SHOULD BE DESIGNED TO MINIMIZE OVERSPRAY ONTO PAVED SURFACES.
- SYSTEM SHOULD BE DESIGNED TO BE METERED AS STAND ALONE WATER SERVICE.
- SYSTEM SHOULD BE DESIGNED TO INCLUDE A RAIN SENSOR.
- SYSTEM SHOULD BE DESIGNED TO INCORPORATE QUICK COUPLER VALVES AT NO MORE THAN 200 FEET ON CENTER.
- OWNER RESERVES THE RIGHT TO REVIEW THE DESIGN PLACEMENT OF ALL BACKFLOW PREVENTORS, CONTROLLERS AND VALVE BOXES.
- IRRIGATION PLANS SHOULD BE PREPARED AT A SCALE NO SMALLER THAN 1 INCH = 20 FEET AND SHOULD ACCURATELY, AND CLEARLY, DEPICT THE LOCATION OF ALL POINTS OF CONNECTION, BACKFLOW PREVENTORS, CONTROLLERS, VALVE BOXES, SLEEVES, MAIN LINE (INCLUDING DIA.), LATERAL LINES (INCLUDING DIA.), TURF ROTORS, SPRAY HEADS, DRIP EMITTERS, QUICK COUPLERS AND NOZZLES.
- ALL IRRIGATION PIPING TO BE SCHEDULE 40, NO SUBSTITUTES
- ALL HEADS, VALVES, AND TIMERS TO BE MANUFACTURED BY HUNTER, NO SUBSTITUTES

AT THE COMPLETION OF THE PROJECT THE OWNER WILL BE PROVIDED WITH THE FOLLOWING ITEMS AS THEY RELATE TO THE IRRIGATION SYSTEM:

- 1 - SET OF DIGITAL AS-BUILT RECORD DRAWINGS AT A SCALE NO SMALLER THAN 1 INCH = 20 FEET.
- 3 - SETS OF AS-BUILT RECORD DRAWINGS AT A SCALE NO SMALLER THAN 1 INCH = 20 FEET.
- 3 - COPIES OF OWNER'S OPERATIONS AND MAINTENANCE MANUALS.
- 3 - COPIES OF RECOMMENDED IRRIGATION SCHEDULE WITH PROPOSED APPLICATION RATES.
- 6 - EXTRA SPRAY / ROTOR HEADS FOR EACH TYPE USED ON THE PROJECT.

Mulch Notes

PINE BARK MINI NUGGETS SHALL BE PROVIDED FOR ALL AREAS WITHIN THE LIMITS OF WORK DESIGNATED TO RECEIVE NEW TREES OR SHRUBS; SEE LANDSCAPE PLANS FOR MORE DETAILS. MULCH SHALL BE PROVIDED TO A CONSISTENT DEPTH OF 3 INCHES THROUGHOUT.

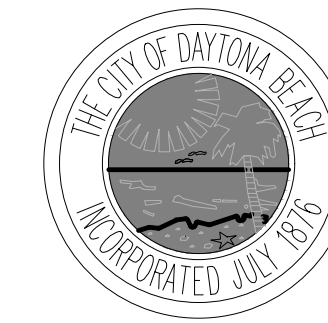
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CAMPBELL POOL ENTRY PAVILION AND POOL AREA IMPROVEMENTS

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SECTION 02950 TREES, SHRUBS, AND GROUND COVER

PART 1 GENERAL

1.01 WORK INCLUDED

A. Trees, shrubs, vines and ground cover as applicable.

B. Topsoil backfill.

C. Staking and guying.

D. Maintenance service.

E. Annuals and perennials planting.

1.02 RELATED WORK

A. Section 02811 – Underground Sprinkler System.

B. Section 02938 – Sodding.

1.03 REFERENCES

A. Standardized Plant Names, 1942 edition, American Joint Committee on Horticulture Nomenclature.

B. American Standard for Nursery Stock (ANSI Z60), latest edition, American Association of Nurserymen.

C. FS O-F-241 – Fertilizer, Mixed, Commercial.

1.04 QUALITY ASSURANCE

A. Perform work with personnel experienced in the work required of this Section under direction of a skilled foreman.

B. Submit sources of plant materials. All materials to have name tags attached. Submit invoice with plant names noted if required.

C. Contractor shall locate all materials and be responsible for conformance with requirements of this Section. All plants not meeting requirements to be rejected.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Move B&B plant materials with solid balls wrapped in burlap. Plants to be lifted only by ball or container.

B. Deliver plant materials immediately prior to placement. Keep plant materials not immediately installed moist and protect from freezing by covering ball or container with mulch.

C. Reject plants when ball or container of earth surrounding roots has been cracked, broken or frozen preparatory to or during process of planting.

1.06 WARRANTY

A. Warrant all plants to be living, healthy specimens for a period of one year commencing upon date of final acceptance. Warranty period shall terminate only if plants have been in full leaf for 30 days at end of warranty period. Termination of warranty period shall be extended as necessary to comply. All materials to be in vigorous condition at end of warranty period.

B. Immediately remove dead plants and plants not in a vigorous condition and replace as soon as weather conditions permit. Each replacement shall be covered with one year warranty commencing at time of planting.

C. Replacements: Match with adjacent plants of the same species in size and form.

1.07 MAINTENANCE SERVICE

A. Begin maintenance of plant materials immediately after planting and continue until date of final project acceptance.

B. Maintenance shall include measures necessary to establish and maintain plants in a vigorous and healthy growing condition. Include the following:

1. Cultivation and weeding of plant beds and tree pits. When herbicides are used for weed control, apply in accordance with manufacturer's instructions. Remedy damage resulting from use of herbicides.
2. Watering sufficient to maintain optimum moisture level.
3. Pruning, including removal of dead or broken branches, and treatment of prune wounds.
4. Disease and insect control.
5. Maintaining plants in an upright, plumb position, and repair of settling.
6. Maintenance of wrappings, guys, turnbuckles and stakes. Adjust turnbuckles or otherwise keep guy wires tight. Repair or replace accessories when required.

PART 2 PRODUCTS

2.01 MATERIALS

A. Trees, Shrubs, Vines, and Ground Cover: Species and size identified in plant list. Plant materials shall be true to name, in good health, free of disease and insects, excellent in form and in complete conformance with ANSI Z60. All materials to be nursery grown.

B. Topsoil: Friable loam, typical of cultivated topsoils locally, containing at least 2% of decayed organic matter (humus) secured from a well drained, arable site, reasonably free of subsoil, stones, earth clods, sticks, roots or other objectionable extraneous matter or debris and containing no toxic materials. Topsoil to have acidity range of 6.0 to 7.0.

C. Mulch: See Plant Schedule. Cypress products are prohibited.

D. Fertilizer: Osmocote 18-6-12. Or Approved Equal.

E. Organic Compost: Supplied by Wild Earth Products – State Line Bark & Mulch Inc. Rte. 4 Box 630, Old Dixie Hwy, 121 Folkston, GA 31537 ph. 912-496-2999 fx. 912-496-2998 wildearth1@yahoo.com – Or Approved Equal.

2.02 ACCESSORIES

A. Wrapping Materials: Heavy paper manufactured for tree wrapping purpose.

B. Stakes: Metal Fence posts (Painted Brown) – 6

foot height. Wood (Painted Brown) – All sizes decay resistant.

C. Hardware (cables, wire, eye bolts, and turnbuckles): Noncorrosive; of sufficient strength to withstand wind pressure.

D. Tie straps: Soft polypropylene material equal to ArborTie, by Deep Root Partners, L.P., 31 Langston St., Suite 4, San Francisco, CA, 94103, 1-800-277-7668.

PART 3 EXECUTION

3.01 PREPARATION

A. Verify topsoil is ready to receive the work of this Section. All areas to be planted with shrub or ground cover masses to have minimum 6 inch depth of topsoil.

B. Remove all weeds and grasses from planting beds, after removing any vegetation with approved procedure, by tilling 2 inch layer (165 CF per 1000 sq. ft.) of compost into the upper 6 inches of soil.

C. Stake tree locations and place shrubs, vines, and ground covers for review and final orientation by Owner's Representative prior to installation.

D. Outline bed edges for approval prior to installation.

E. Prepare topsoil for shrub and ground cover beds, after removing any vegetation with approved procedure, by tilling 2 inch layer (165 CF per 1000 sq. ft.) of compost into the upper 6 inches of soil.

3.02 INSTALLATION

A. Excavate for plant materials. Tree pits shall be 24 inches greater in diameter than root ball. Circle to be centered on tree and true in form. Slope cut edge to 6" depth and bottom of pit to depth required to accommodate tree rootball. Shrub pits shall be 12 inches greater in diameter than root ball. Topsoil from excavation may be retained for backfill if it is friable and free of rock and clods greater than 2" in dia. Remove all subsoil, rock, and debris from site.

B. Set trees with top of root ball 3 inches above surrounding grade, and other plant materials 2 inches above surrounding grade, after settlement.

C. Remove containers from container-grown stock. Set plants in center of pits and backfill with topsoil in 6 inch layers. Pull away ropes, wires, etc. from the top of the ball.

D. Final 6 inch layer of backfill around trees to consist of 1:1 mixture of organic compost and topsoil.

E. Thoroughly water soil when the hole is half full, and again when full.

F. Apply 1/2 pound fertilizer evenly over cultivated area around each tree and 1 pound per 100 square feet to shrub and ground cover plantings.

G. Evenly spread a 3 inch layer of mulch over tree pits and planting beds. For trees, avoid placing mulch within 6" of tree trunk. For shrubs, avoid placing mulch within 3" of plants main stem.

H. Prune trees and shrubs after planting to improve form and to remove dead and broken branches.

I. Circular area around trees to be mulched and free of vegetation. For trees 2 inch and greater in caliper, area to be 6 feet in diameter. For trees less than 2 inch caliper, area to be 4 feet in diameter. Circle to be centered on tree and true in form.

J. After planting trees, form a 3' diameter ridge of topsoil around edge of excavation to retain water.

3.03 PLANT SUPPORT

A. Grace plants upright and plumb in position by staking and guying as detailed. Guys to be secured to tree with loops as detailed.

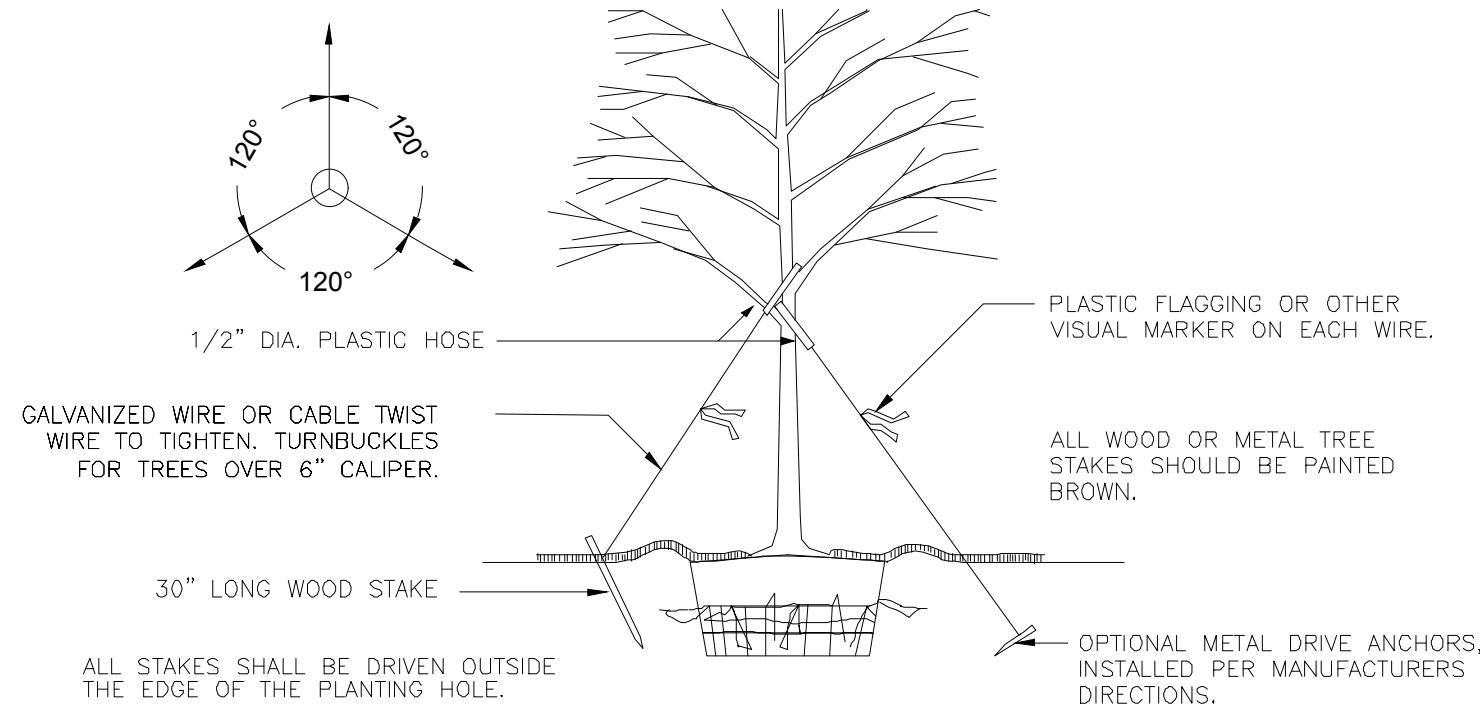
3.04 SPECIAL PLANTING

A. Annuals, Seasonal Planting: Prepare soil per requirements for shrubs and ground cover as described in Article 3.01. Refresh annually by incorporating 2 inch layer (165 CF per 1000 SF) of organic compost.

1. Spring Planting should be installed between March and April.
2. Fall Planting should be installed between October and November.
3. Spring or Fall planting time is contingent upon current weather patterns and temperature.

END OF SECTION 02950

TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED. INSTALL THREE GUY WIRES PER TREE, SPACED EVENLY AROUND THE TRUNK.

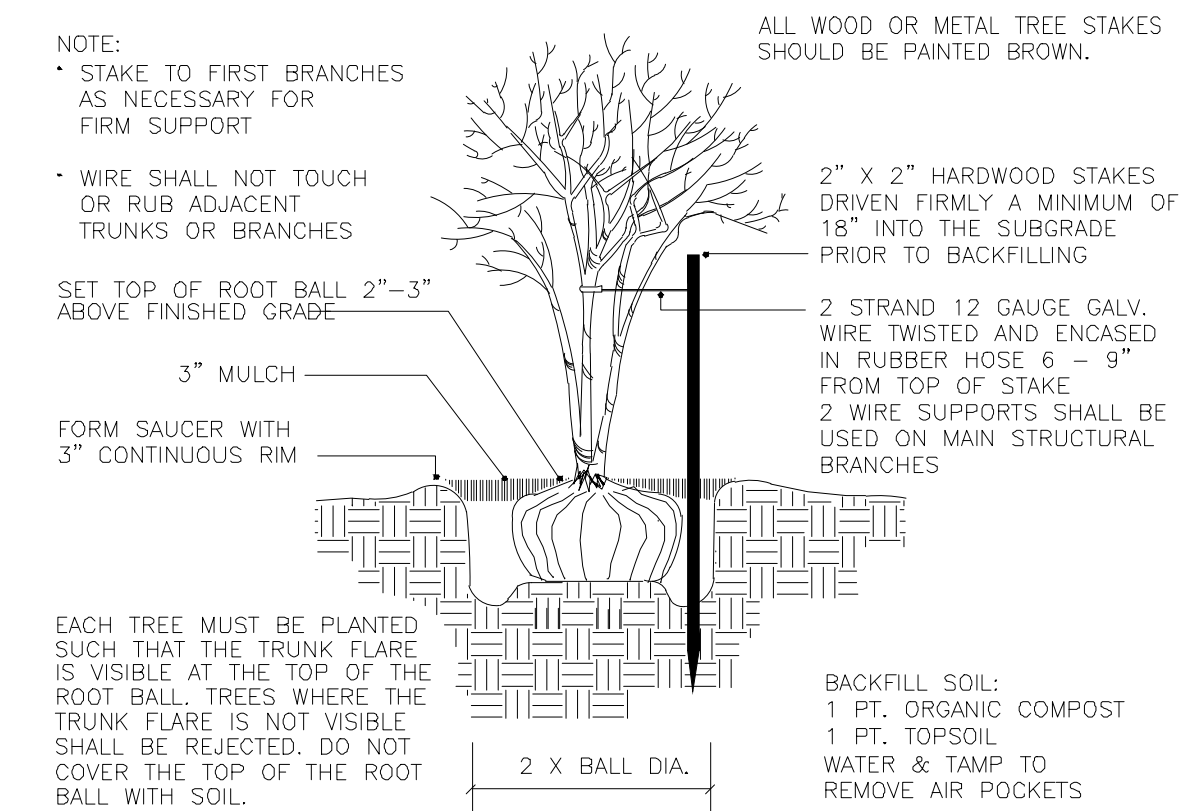
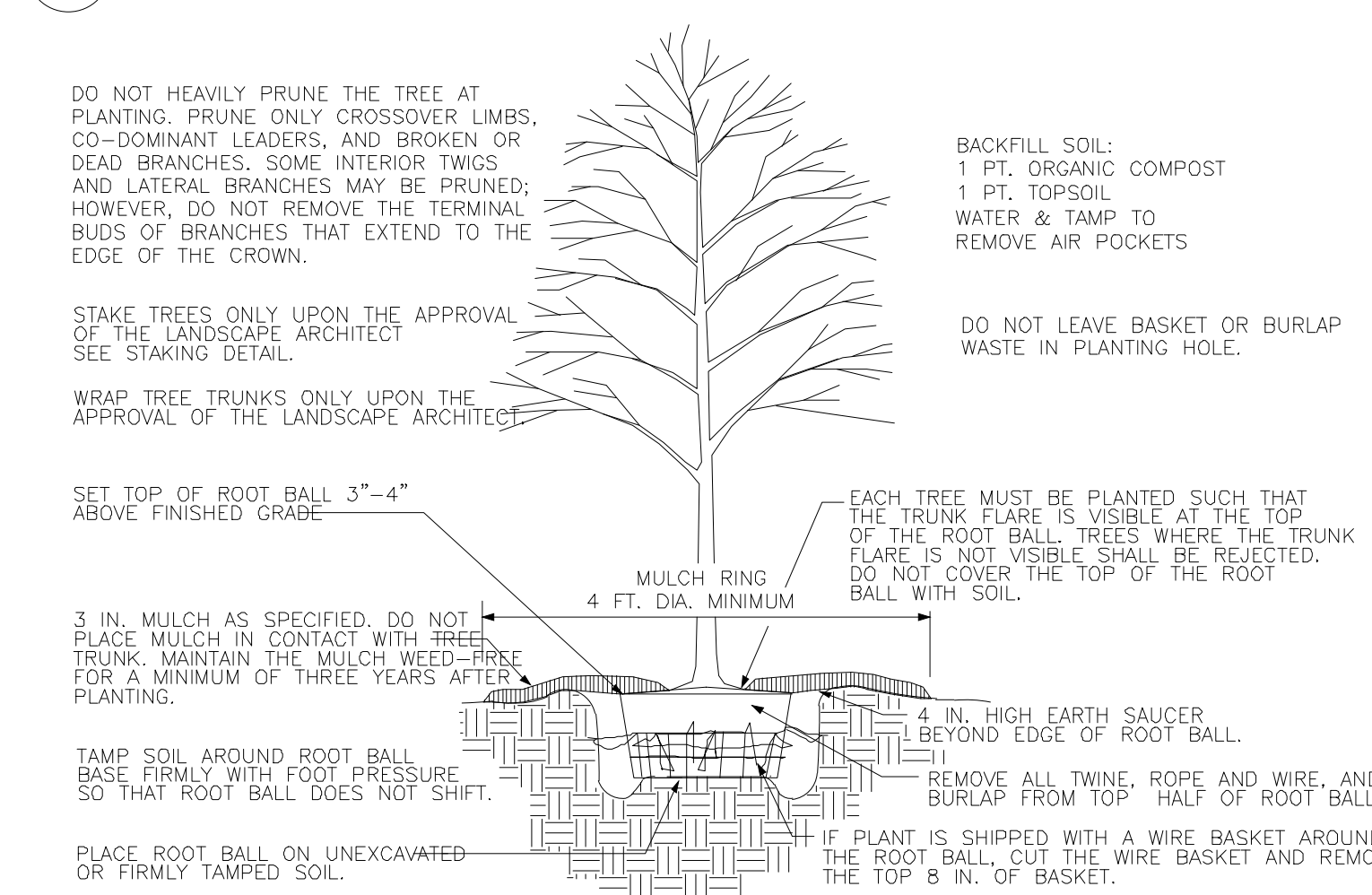


REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

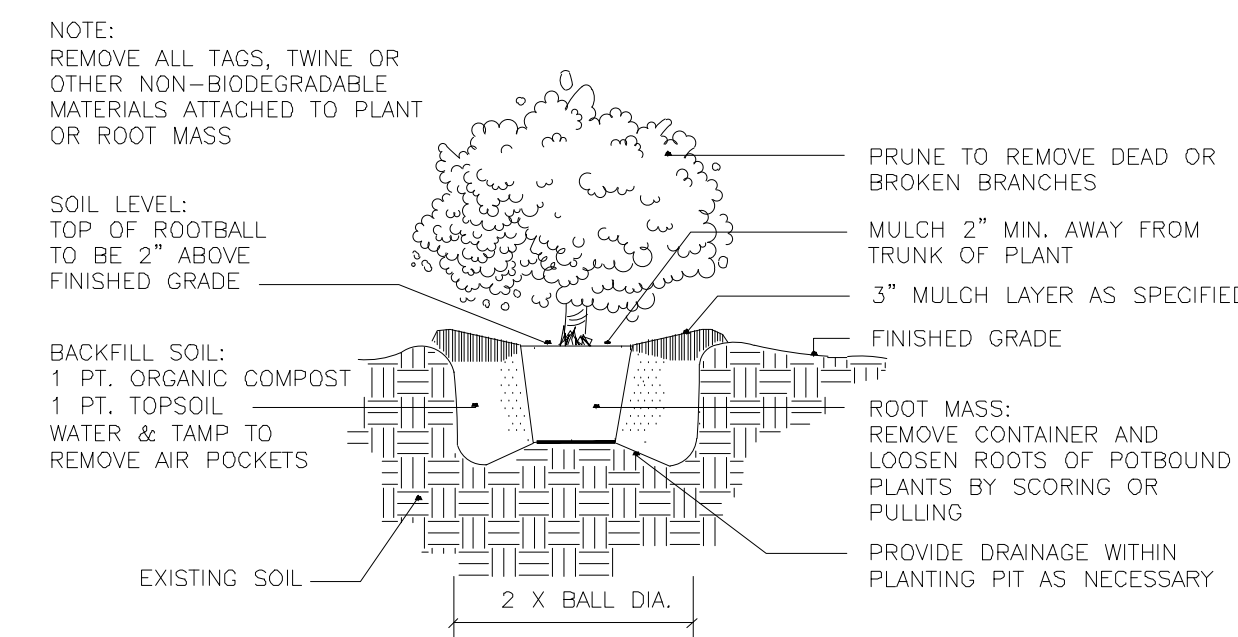
TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. ALL TREES SHOULD BE STAKED ACCORDING TO THE DETAILS PROVIDED IN THESE DRAWINGS UNLESS STATED OTHERWISE BY THE LANDSCAPE ARCHITECT. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:

- o TREES WITH POOR-QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE.
- o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. REJECT RATHER THAN STAKE.
- o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
- o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING.
- o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
- o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

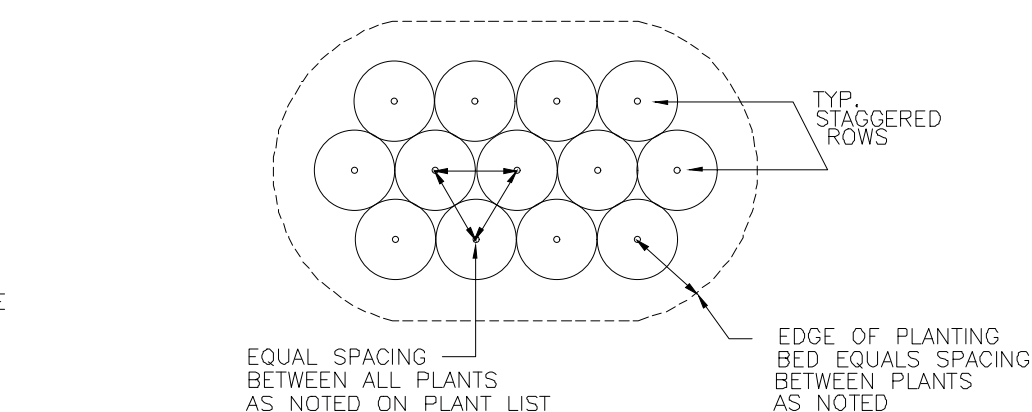
LARGE TREE STAKING DETAIL (3" CAL. OR LARGER)



MULTI-TRUNK OR SMALL TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



SHRUB MASS PLANTING LAYOUT

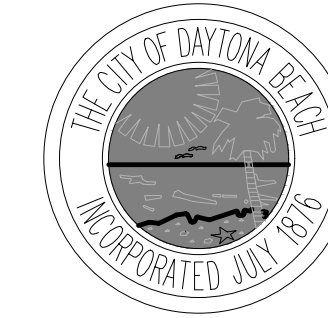
ISSUE	DATE
BID SET	4.7.20

CAMPBELL
POOL ENTRY
PAVILION AND
POOL AREA
IMPROVEMENTS

400 Dr. M.L.K Jr. BLVD
DAYTONA BEACH, FL
32114

SCALE:	AS NOTED
DRAWN:	BCC
CHECKED:	BCC
PROJECT NO:	2018-044

L1.01



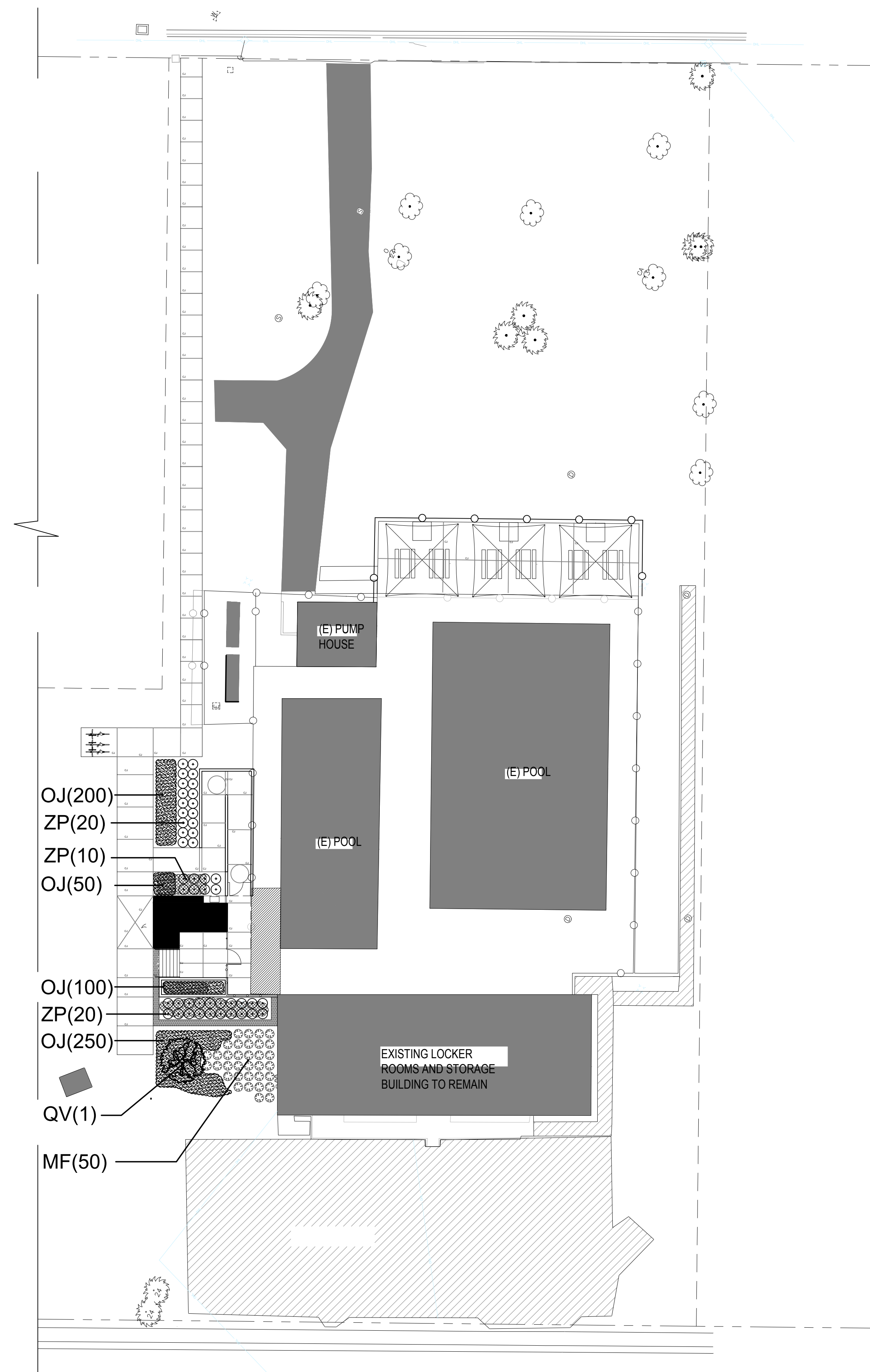
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L1.1



PLANT SCHEDULE

QUAN.	KEY	BOTANICAL/COMMON NAME	DESCRIPTION
2	QV	CATHEDRAL OAK <i>Quercus virginiana</i> LIVE OAK	3.5" caliper 65 gal. 14'ht. x 8'spr.
200	OJ	OPHIPOGON JAPONICUS MONDO GRASS	1 gal. full 16" o.c.
30	ZP	<i>Zamia pumila</i> COONTIE	12" o.a. ht. 3 gal. 30" o.c.
100	MF	ASPIDISTRA ELATIOR CAST IRON PLAN	24" o.a. ht. 3 gal. 12" o.c.

MECHANICAL LEGEND

Table with 2 columns: Symbol and Description. Includes items like CHWS (Chilled Water Supply), CHWR (Chilled Water Return), CD (Condensate Drain), RL (Refrigerant Liquid), RS (Refrigerant Suction), Gate Valve, Ball Valve, Butterfly Valve, Gas Cock, Union, Strainer, PSI Reg., Check Valve, Connection (Bottom/Top), Elbow (Turned Down/Up), Reducer (Concentric/Eccentric), and Cap.

MECHANICAL ABBREVIATIONS

Table with 3 columns: Abbreviation, Description, and Abbreviation. Lists various mechanical components and units such as AIR, AIR CONDITIONING, ACCESS DOOR, ABOVE FINISHED FLOOR, ALUMINUM, ACCESS PANEL, AIR PRESSURE DROP, AUTOMATIC TEMPERATURE CONTROL, AIR VENT, BACK DRAFT DAMPER, BOTTOM, BACKFLOW PREVENTER, BRITISH THERMAL UNIT, CELSIUS, CENTRIFUGAL, CUBIC FEET PER MINUTE, CHILLED WATER SUPPLY & RETURN, CEILING, CEILING FAN, CLEAN OUT, CONDENSATE, DRY BULB, DOWN BLOW, DOMESTIC COLD WATER, DEGREE, DELIVERY, DOMESTIC HOT WATER, DISCONNECT, DOWN, EXHAUST AIR, EACH, ENTERING AIR TEMPERATURE, ENTERING DRY BULB, EXHAUST FAN, EFFICIENCY, ELEVATION, ENERGY MANAGEMENT SYSTEM, ENTERING, EXISTING RETURN GRILLE, ENTERING WET BULB, FAHRENHEIT, FIRE DAMPER, FLOOR DRAIN, FEET PER MINUTE, FEET PER SECOND, FIRE/SMOKE DAMPER, FEET, GALLONS PER HOUR, GALLONS PER MINUTE, GLYCOL, GRAVITY RELIEF VENTILATOR, GLYCOL WATER SUPPLY, GLYCOL WATER RETURN, HEATING HOT WATER SUPPLY & RETURN, HAND-OFF-AUTOMATIC, HORSEPOWER, HEAT PUMP, HOUR, HEATING VENTILATING AND AIR CONDITIONING, HERTZ (CYCLES PER SECOND), INSIDE DIAMETER, INCH, KITCHEN EXHAUST FAN, KILOWATT, LEAVING DRY BULB, LEAVING WET BULB, LIMIT OF REMOVAL, MAXIMUM, MASTER BUILDING CONTROLLER, THOUSAND BTU PER HOUR, MANUAL DAMPER, MINIMUM, NORTH, NOT APPLICABLE, NUMBER, NORMALLY OPEN, NOT TO SCALE, OUTSIDE AIR, OPPOSED BLADE DAMPER, OUTSIDE DIAMETER, OPERATING, POUNDS PER SQUARE INCH, POUNDS PER SQUARE INCH GAUGE, RETURN AIR REGISTER, RETURN FAN, RETURN GRILLE, RELATIVE HUMIDITY, REHEAT COIL, ROOM, SUPPLY AIR, SMOKE EXHAUST FAN, SUPPLY FAN, SMOKE/FIRE DAMPER, THERMOSTAT, TERMINAL EQUIPMENT CONTROLLER, TEMPERATURE, TRANSFER DUCT, TYPICAL, VENT, VOLT, VOLUME DAMPER, VERTICAL, WET BULB, WATER PRESSURE DROP, ONE WAY BLOW, TWO WAY BLOW, THREE WAY BLOW.

MECHANICAL SYMBOLS LEGEND

DUCTWORK

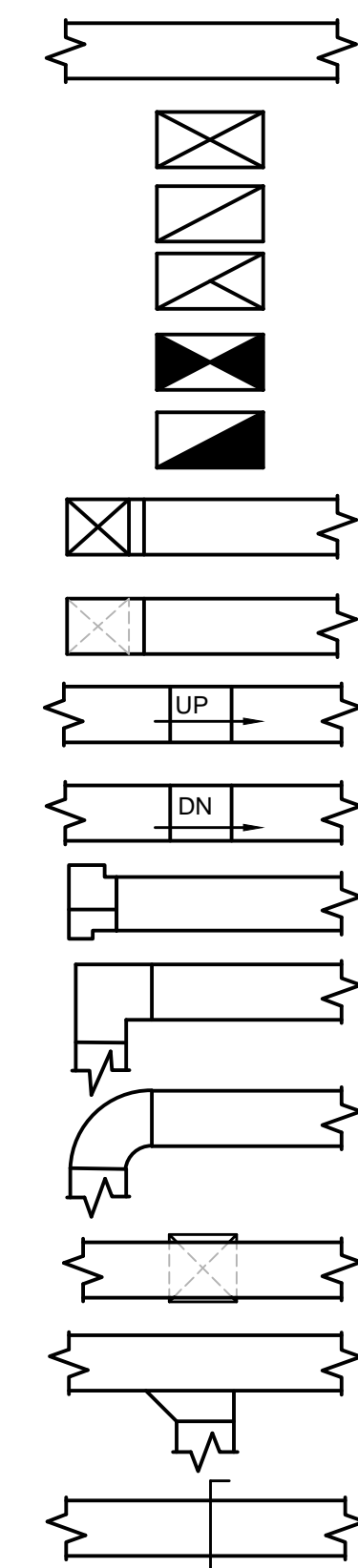
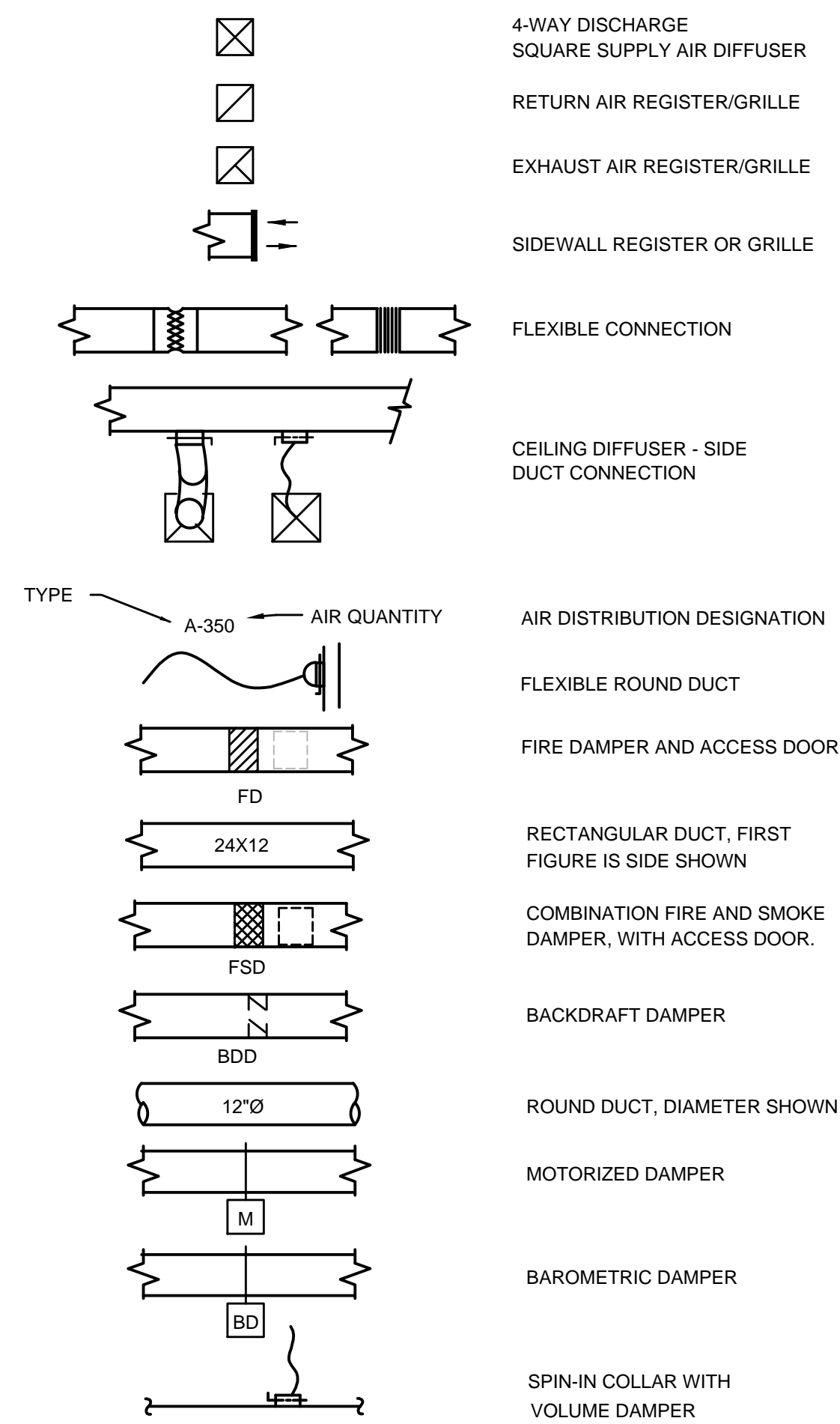


Table with 2 columns: Symbol and Description. Lists symbols for NEW WORK, SUPPLY AIR DUCT - SECTION, RETURN AIR DUCT - SECTION, EXHAUST AIR DUCT - SECTION, FLOOR/CEILING ASSEMBLY, ELBOW TURNED UP/DOWN, OFFSET IN DUCTWORK (UP/DOWN), TEE WITH DOUBLE THICKNESS, MITERED ELBOW, RADIUS ELBOW, CEILING DIFFUSER - BOTTOM DUCT CONNECTION, STANDARD BRANCH TAKEOFF, and MANUAL DAMPER.



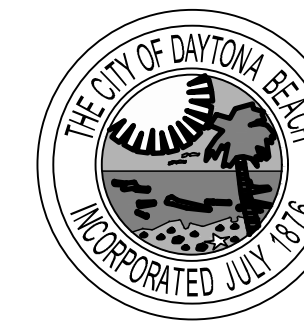
MECHANICAL GENERAL NOTES

- 1. IF, THROUGH ERRORS OR OMISSIONS, THE INTENT OF ARCHITECT/ENGINEER WITH REGARD TO ANY DETAIL IS NOT CLEAR, OR IS CAPABLE OF MORE THAN ONE INTERPRETATION, SUCH MATTERS WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS. AND THE ARCHITECT/ENGINEER SHALL MAKE CORRECTION OR EXPLANATION IN WRITING. OTHERWISE, NO EXTRA CHARGE WILL BE ALLOWED FOR THE WORK OR MATERIAL WHICH THE ARCHITECT/ENGINEER WILL REQUIRE, PROVIDED THAT IT COMES WITHIN A REASONABLE INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS.
2. THE PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL THOROUGHLY ACQUAINT THEMSELVES WITH THE MECHANICAL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL PLANS BEFORE SUBMITTING THEIR FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE CONTRACTOR'S FAILURE TO FAMILIARIZE THEMSELVES WITH THE PLANS.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 FLORIDA MECHANICAL CODE AND ALL LOCAL CODES.
4. THE SIZE AND LOCATION OF EQUIPMENT INSTALLED UNDER DIVISION 23 - MECHANICAL SHALL BE COORDINATED WITH OTHER TRADES. CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
5. DISCONNECT SWITCHES REQUIRED FOR THE MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR EXCEPT WHEN INDICATED ON SCHEDULE.
6. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION. SUPPORT ALL OBJECTS FROM STRUCTURE WITHOUT PENETRATING THE CEILING SLAB.
7. SLEEVE & FIRESTOP PENETRATIONS THROUGH FIRE RATED SYSTEMS TO MAINTAIN RATING OF SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL PENETRATION DETAILS & INFORMATION.
8. REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT, SHEET M6.01 & M6.02.
9. THERE SHALL BE ENOUGH ROOM AROUND THE AIR HANDLERS FOR EASE OF SERVICE AND ACCESSIBILITY. FOLLOW MANUFACTURER'S RECOMMENDATIONS ON EQUIPMENT ACCESS AND MAINTENANCE.
10. CONDENSATE DRAINS FROM ALL MECHANICAL EQUIPMENT SHALL BE COORDINATED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED. FOLLOW MANUFACTURER'S RECOMMENDATIONS. CPVC IS NOT AN ALLOWED MATERIAL.
11. ALL CONDENSATE DRAIN LINES SHALL BE INSULATED AND INSTALLED WITH A 'P' TRAP AT THE UNIT WITH A MINIMUM DEPTH OF 2" OR PER MANUFACTURER'S INSTRUCTIONS, WHICHEVER IS GREATER.
12. UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND VALVE DRAINS SHALL BE INDEPENDENTLY PIPED FULL SIZE TO THE NEAREST PLUMBING DRAIN OR DRY WELL.
13. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA 90A AND 90B.
14. DUCT SIZES SHOWN ARE MINIMUM INSIDE DIMENSIONS.
15. SEE SPECS. FOR GAUGES, THICKNESS, BRACING, REQUIREMENTS, ETC., OF DUCTWORK.
16. BEFORE FABRICATION, VERIFY AND COORDINATE ALL DIMENSIONS IN FIELD. DUCT SIZES AND ALL OPENINGS THRU BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT/MATERIALS FURNISHED.
17. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND PIPING (INCLUDING DIVIDING DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST.
18. ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT.
19. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT AND FIRE DAMPERS.
20. ALL DUCT BENDS FROM VERTICAL TO THE HORIZONTAL AND ANGLED TURNING OF DUCTWORK SHALL HAVE TURNING VANES INSTALLED.
21. EXHAUST DUCTWORK SHALL BE UNINSULATED GALVANIZED STEEL 28 GA.
22. EXHAUST FAN OUTLETS SHALL BE INSTALLED A MINIMUM OF 10'-0" FROM FRESH AIR INTAKES.
23. CONTROL DEVICE MOTORS (DAMPERS, ETC.) SHALL BE 24VAC TYPE WITH ALL ELECTRICAL POWER REQUIREMENTS CLEARLY NOTED ON THE CONSTRUCTION DRAWINGS.
24. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND ALL FIRE RATED AND FIRE/SMOKE RATED PARTITIONS, TO ALLOW FOR INSPECTIONS OF RATED WALLS.
25. LOCATE ALL OUTSIDE AIR INTAKE A MINIMUM OF 10'-0" CLEAR FROM ALL PLUMBING VENTS AND EXHAUST AIR DISCHARGE LOCATIONS. LOWEST POINT OF EACH OUTSIDE AIR INTAKE ON ROOF SHALL BE A MINIMUM OF 36" ABOVE ROOF.
26. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTS CONNECTING TO EACH FAN, AIR HANDLING UNIT, AND FAN COIL UNIT.
27. PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEX DUCTS TO BE CONNECTED.
28. AIR-CONDITIONING SUPPLY AND RETURN DUCTWORK SHALL BE 1 1/2" THICK (R6.0) FIBERGLASS DUCTBOARD. FOR LOWER FLOORS, CONTRACTOR CAN USE 1" THICK (R4.2) FIBERGLASS DUCTBOARD, CLASS 1 AIR DUCT IN ACCORDANCE WITH UL 181. DUCTBOARD SHALL BE 475EI OR 800EI AS PRESCRIBED BY SMACNA DEPENDING ON THE DUCT SIZE.
29. ALL FIBROUS GLASS DUCTBOARD JOINTS, SEAMS AND CONNECTIONS SHALL BE SEALED WITH GLASS FABRIC AND MASTIC. ALL FIBROUS GLASS DUCT BOARD JOINTS, SEAMS & CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LATEST EDITION OF SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS. FIBERGLASS DUCT & DUCT WRAP SHALL BE SEALED WITH GLASS FAB & MASTIC. ALL DUCTWORK SHALL BE CLASS 1, UL-181 & ALL CLOSURES SHALL MAINTAIN THIS RATING.
30. DUCTWORK SHALL BE: TYPE INL-25 AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORP. OR EQUAL, SUPPORTED WITH 1 1/2" SHEET METAL OR NYLON STRAPS AT 5'-0" ON CENTERS. SUPPORT DUCTWORK 18" FROM EACH REGISTER, BRANCH OR PLENUM BOX. FLEXIBLE DUCTWORK SHALL COMPLY WITH UL181 AND CLASS 0 OR 1 AND SHALL NOT BE LIMITED IN LENGTH.
31. COORDINATE ALL HVAC SYSTEM DRAWINGS WITH TRUSS/JOIST MANUFACTURER DURING SHOP DRAWING REVIEW TO AVOID INTERFERENCES BETWEEN MECHANICAL SYSTEMS ROOF STRUCTURE. COORDINATE IN ADVANCE. ENGINEER/ARCHITECT WILL NOT BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRUSS/JOIST INTERFERENCES THAT OCCUR IN THE FIELD DURING CONSTRUCTION. DUCT SIZES MAY BE REVISED TO FIT TRUSS/JOIST SYSTEM SO LONG AS THE EQUIVALENT INSIDE CROSS-SECTIONAL AREA IS NOT DECREASED.
32. COORDINATE DIFFUSER, GRILLE, AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.
33. COORDINATE WITH ARCHITECT BEFORE PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS, AND OTHER AIR DISTRIBUTION DEVICES TO VERIFY FINISH.
34. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS, AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
35. ALL OPERABLE THERMOSTAT PARTS SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR, UNLESS STATED OTHERWISE. THERMOSTATS SHALL BE FURNISHED WITH A FACTORY FURNISHED TRANSPARENT VANDAL PROOF LOCKING COVER IN ALL PUBLIC COMMON AREAS. VOLTAGE SHALL BE 24 VOLT UNLESS OTHERWISE INDICATED.
36. COORDINATE THERMOSTAT LOCATIONS WITH FURNITURE/EQUIPMENT LAYOUTS, WINDOWS, AND DOOR SWING AREAS.
37. ALL CONTROL WIRING AND HARDWARE TO COMPLETE THE HVAC CONTROL SYSTEM SHALL BE FURNISHED BY THE CONTRACTOR OF THESE CONTRACT DOCUMENTS UNLESS INDICATED OTHERWISE ON DRAWINGS.

MECHANICAL SYMBOLS LEGEND

SGM ENGINEERING logo and contact information: 935 LAKE BALDWIN LANE, ORLANDO, FL 32814, TEL: 407-767-5188, FAX: 407-767-5772, WWW.SGMENGINEERING.COM, COPYRIGHT © 2019 SGM ENGINEERING, INC.

Client Name: THE CITY OF DAYTONA BEACH PUBLIC WORKS DEPT., 950 BELLEVUE AVE, DAYTONA BEACH, FL 32114



Issue: BID SET 04/06/20

Table with 3 columns: No., Date, Description. Contains a list of items for the project.

Project Name: CAMPBELL POOL ENTRY BUILDING

Table with 2 columns: Drawing File Name and Project Number. Includes details like 1500-M001-2020021.DWG, Project Number: 2020-021, Scale: AS SHOWN, Design By, Drawn By, Checked By, Engineer of Record: JOHN STELLPLUG, License Number: FL68794.

Sheet Name: MECHANICAL SYMBOLS LEGEND

Sheet Number: M001

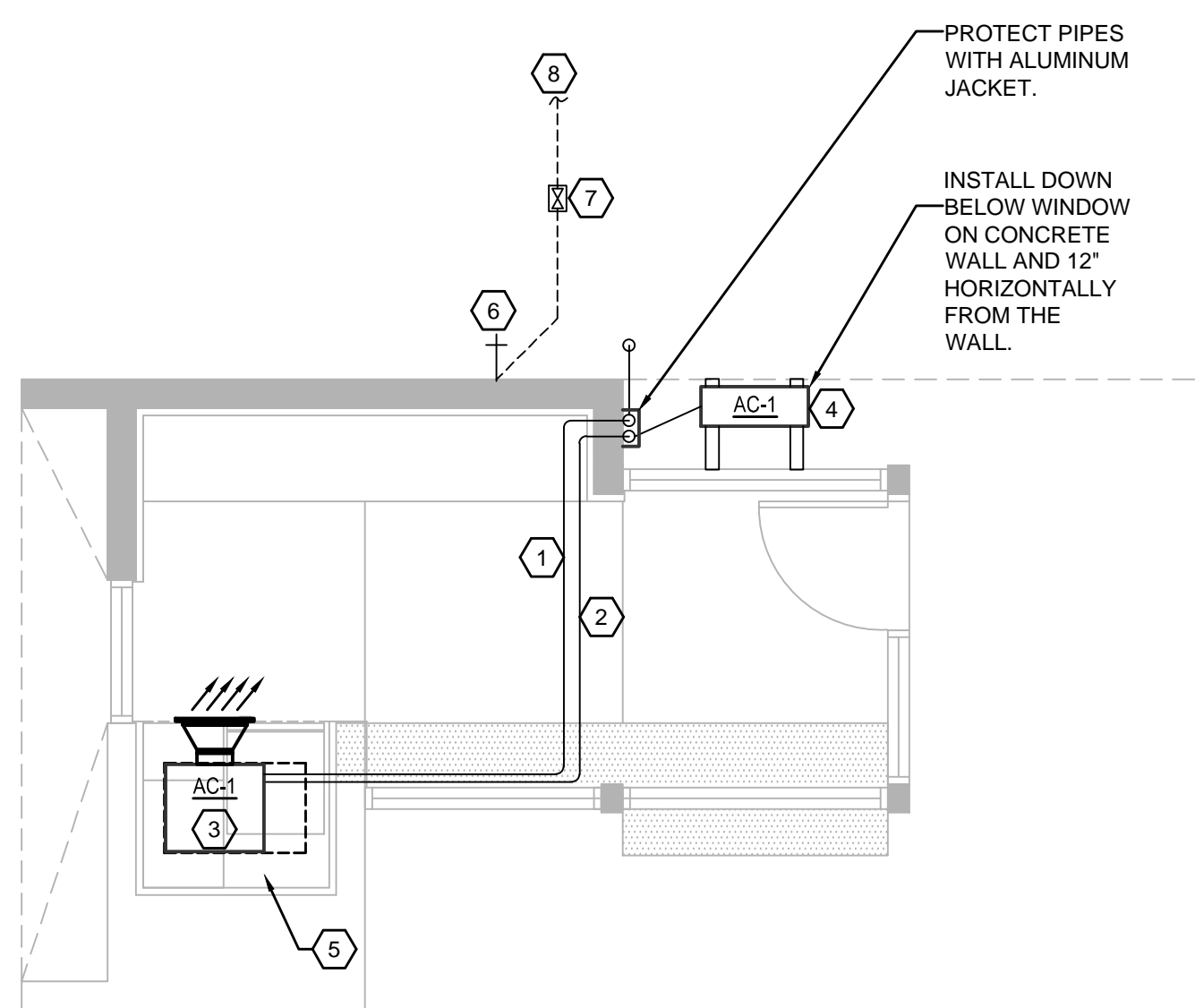
VERTICAL TEXT: ALL DIMENSIONS AND CONDITIONS AT JOB SITE. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.

FILE: \\SGM\SGM_DRIVE\PROJECT FILES\2020\2020-021 CAMPBELL POOL ENTRY BUILDING DRAWINGS\1500-M001-2020021.DWG PRINTED: 04/06/2020 LAST SAVED BY: NELSON

MINI SPLIT SYSTEM SCHEDULE																														
MARK	AREA SERVED	MANUFACTURER	COOLING				EFFICIENCY		AIR HANDLER											CONDENSING UNIT						REMARKS				
			TOTAL (BTU/HR)	SENSIBLE (BTU/HR)	SEER	MODEL#	SUPPLY (CFM)	OUTSIDE AIR (CFM)	ESP (IN.WG)	MOTOR POWER (W)	COIL EAT (°F)				HEATING	ELECTRICAL				WEIGHT (LBS)	MODEL #	REFRIGERANT	COMPRESSOR		ELECTRICAL				WEIGHT (LBS)	
											DB	WB	DB	WB		VOLT	PHASE	MCA	MOP				QTY.	TYPE	VOLT		PHASE	MCA		MOP
AC-1	SPACE	DAIKIN	11,500	10,400	21.5	FDXS12LVJU	280	-	0.1	62	80	67	55	54	11,500	230	1	-	-	47	RXS12LVJU	R-410A	1	SWING	230	1	8.75	15	75	1-5

NOTES:

1. REFRIGERANT LINES AND INSULATION SHALL BE SIZED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUBMITTALS ON INSULATION WITH EQUIPMENT SUBMITTALS.
2. PROVIDE MERV 8 THROWAWAY FILTERS.
3. PROVIDE OPTIONAL CONDENSATE PUMP.
4. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
5. SYSTEM TO BE INVERTER TECHNOLOGY.



PLAN KEY NOTES

1. CONDENSATE DRAIN LINE, 3/4" DIA. ROUTE FROM AHU, ABOVE CEILING AND DOWN EXPOSED AGAINST WALL AND INTO A LANDSCAPED AREA. PROVIDE WITH CONDENSATE PUMP. USE TURNED DOWN ELBOW. TERMINATE ELBOW MIN. 6" ABOVE EXTERIOR GRADE. CPVC IS NOT ACCEPTABLE FOR CONDENSATE DRAINS.
2. REFRIGERANT LINES. ROUTE FROM AHU ABOVE CEILING TO EXTERIOR CONDENSER.
3. AIR HANDLING UNIT MOUNTED CONCEALED IN SOFFIT SPACE. PROVIDE ACCESS PANEL LARGE ENOUGH TO SERVICE THE EQUIPMENT AND WITH INTEGRAL RETURN GRILLE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH CONDENSATE PUMP.
4. WALL MOUNTED CONDENSER UNIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER SHEET M8.01 FOR DETAIL.
5. RETURN PLENUM. SOFFIT ENCLOSURE TO BE USED AS PLENUM AND ALL MATERIAL WITHIN THIS SPACE SHALL BE NON-COMBUSTIBLE.
6. EXTERIOR HOSE BIBB MODEL B24.
7. EXTERIOR UNDERGROUND BRONZE GATE VALVE PLACED IN A HEAVY DUTY VALVE BOX.
8. ROUTE UNDERGROUND 1/2" DOMESTIC COLD WATER MAIN AND CONNECT TO THE WATER SUPPLY PROVIDED AT THE ADJACENT BUILDING. FIELD VERIFY EXACT LOCATION AND MAKE FINAL CONNECTIONS DOWNSTREAM OF EXISTING METER.

FLOOR PLAN - MECHANICAL

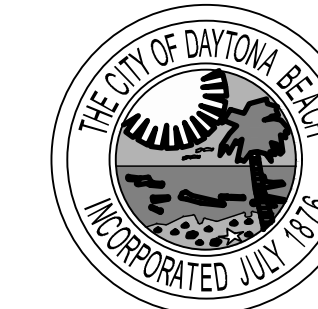
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 CA-00006208
 935 LAKE BALDWIN LANE
 ORLANDO, FL 32814
 TEL: 407-767-5188
 FAX: 407-767-5772
 WWW.SGMENGINEERING.COM
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Issue: BID SET 04/06/20

No.	Date	Description

Project Name:
CAMPBELL POOL ENTRY BUILDING

Drawing File Name:
 1500-M201-2020021.DWG
 Project Number:
 2020-021
 Seal: AS SHOWN
 Design By:
 Drawn By:
 Checked By:
 Engineer of Record:
 JOHN STELLPLUG
 License Number:
 FL68794

Sheet Name:
FLOOR PLAN - MECHANICAL

Sheet Number:
M201

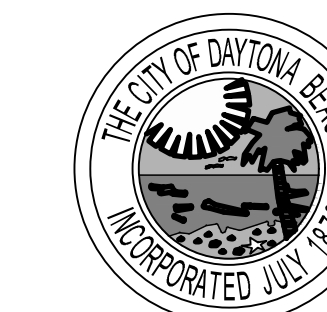
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CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL 32814
TEL: 407-767-5188
FAX: 407-767-5772
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Issue: BID SET 04/06/20

No.	Date	Description

Project Name:

**CAMPBELL POOL
ENTRY BUILDING**

Drawing File Name:
1500-M801-2020021.DWG

Project Number:
2020-021

Scale:

AS SHOWN

Design By:

Drawn By:

Checked By:

Engineer of Record:
JOHN STELLPLUG

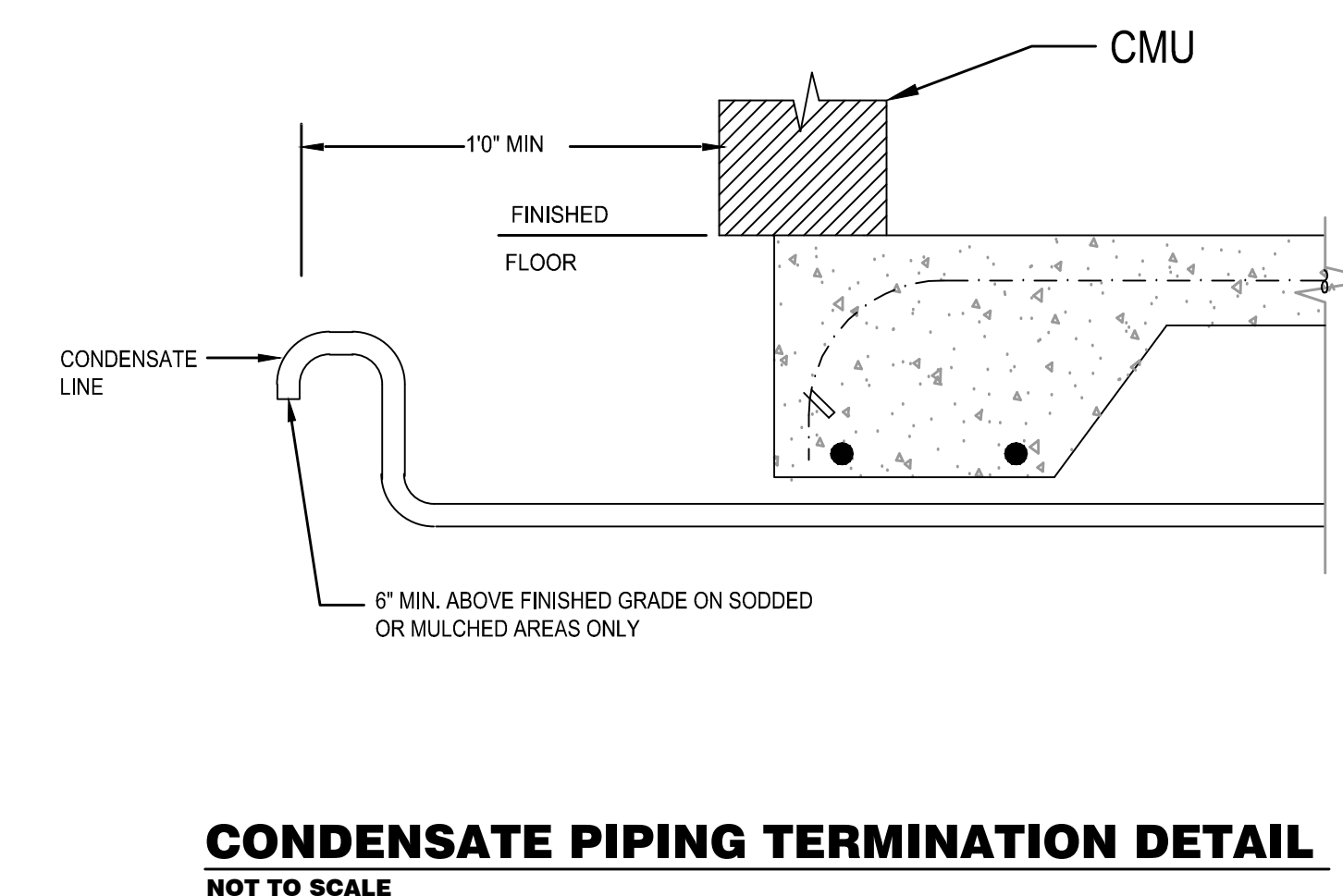
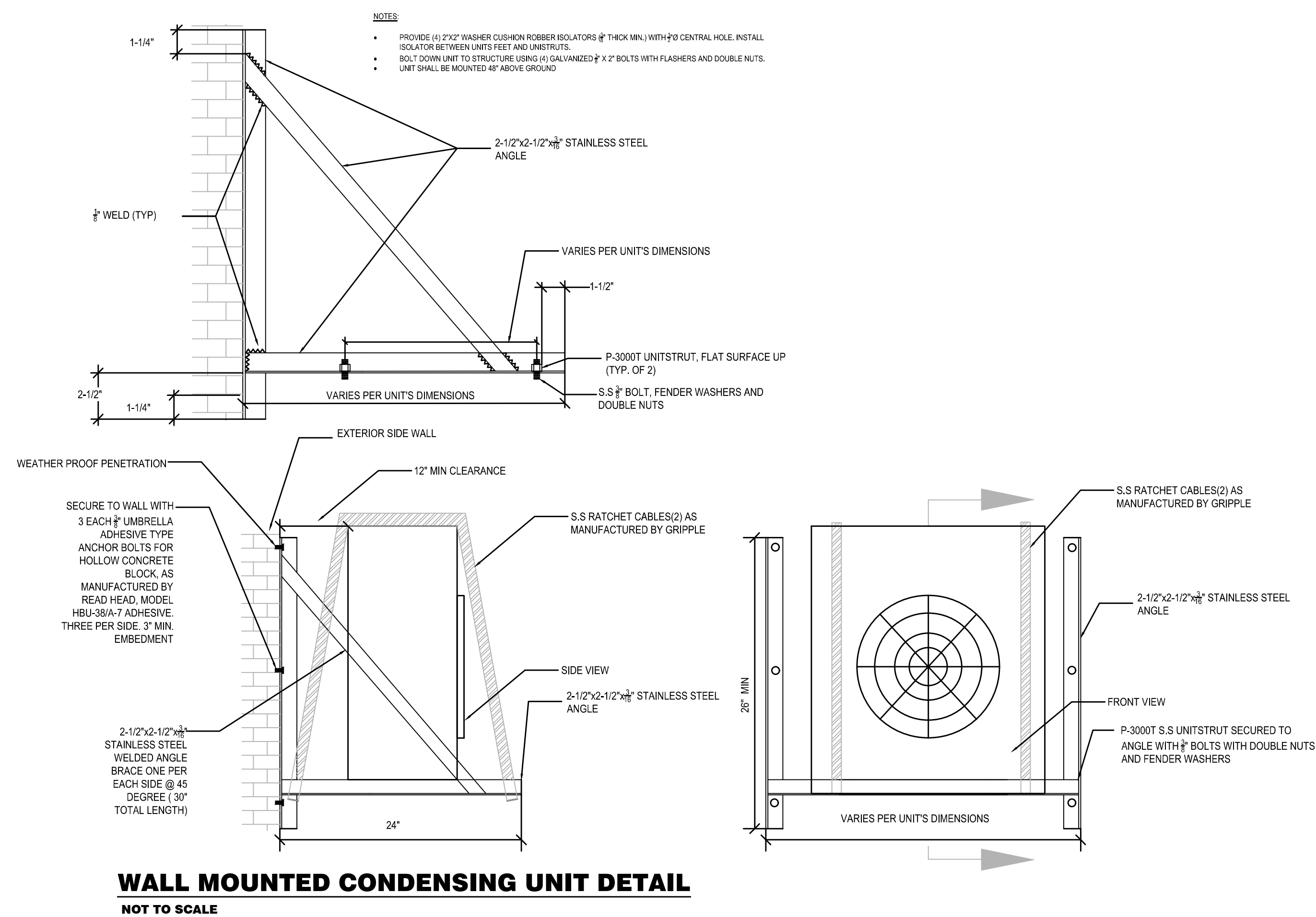
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Sheet Name:

**MECHANICAL
DETAILS**

Sheet Number:

M801

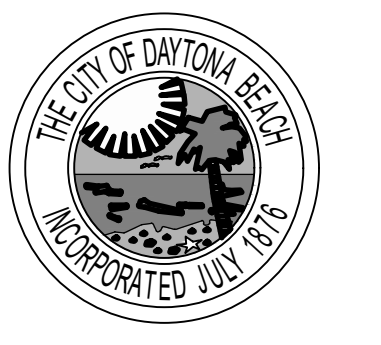


MECHANICAL DETAILS

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No.	Date	Description

Project Name:
**CAMPBELL POOL
ENTRY BUILDING**

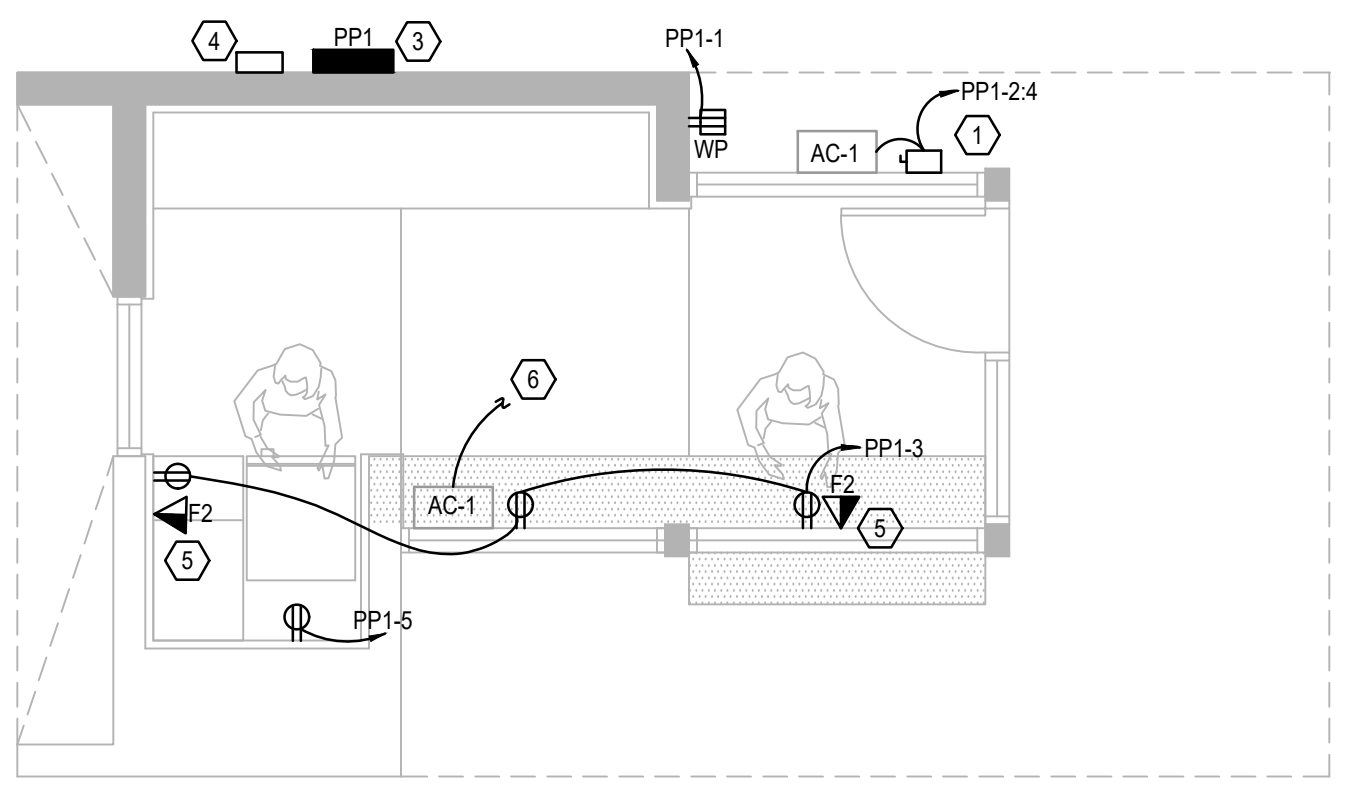
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Scale: AS SHOWN	Design By: EFO
	Drawn By: EFO
	Checked By: JLM
	Engineer of Record: JUSTIN L. MUNDELL
	License Number: FL70700

Sheet Name:
**FLOOR & CEILING
PLANS -
ELECTRICAL**

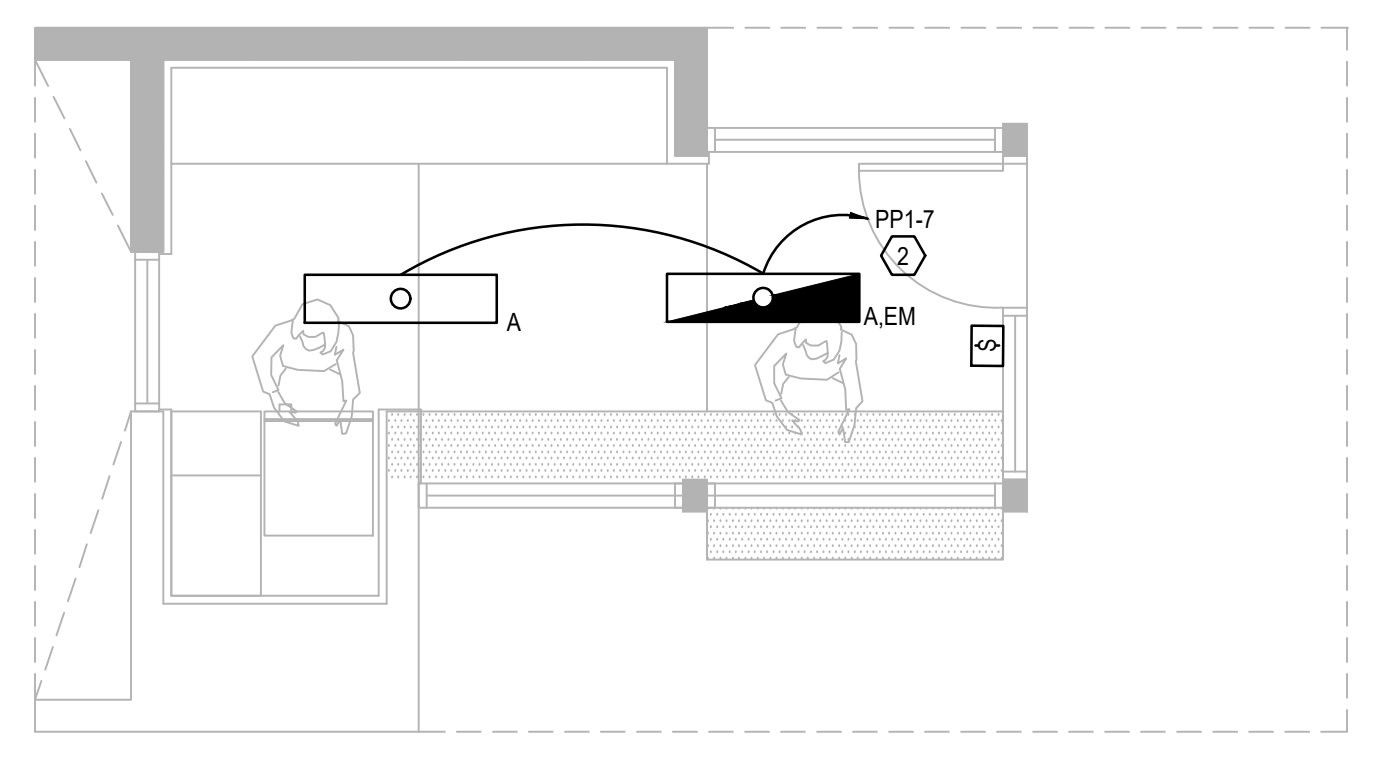
Sheet Number:
E201

- GENERAL NOTES:**
- REFER TO SYMBOL LEGEND ON SHEET E001.
 - REFER TO BOOK SPECIFICATIONS.
 - REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
 - REFER TO EQUIPMENT SCHEDULES ON DRAWINGS E701 FOR DISCONNECT, CONDUIT AND WIRE SIZES.
 - ALL FEEDERS ARE TO HAVE LESS THAN 2% TOTAL VOLTAGE DROP AND ALL BRANCH CIRCUITS SHALL HAVE LESS THAN 3% VOLTAGE DROP.
 - CONTRACTOR TO SEGREGATE ALL GROUNDS AND NEUTRALS ONTO THE CORRECT BUS.
 - CONTRACTOR TO CONFIRM THAT THERE IS A GROUND CONDUCTOR FOR EACH LOAD OR THAT THE CONDUIT PATH GROUND IS CONTINUOUS FOR EACH LOAD.
 - CONTRACTOR TO IDENTIFY CONDUITS EXITING PANEL WITH CIRCUIT NUMBER INFORMATION.
 - ENSURE ALL WIRES ARE TAGGED PER IDENTIFICATION SPECIFICATION.
 - CONNECT ALL EMERGENCY BALLAST, EMERGENCY BATTERY UNITS AND EXITS AHEAD OF ALL SWITCHING TO LOCAL LIGHTING CIRCUIT.
 - MOTION SENSOR LOCATIONS ARE SHOWN FOR GENERAL INFORMATION. LOCATE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. LOCATE MOTION SENSORS A MINIMUM OF 4' AWAY FROM ANY A/C DIFFUSER.

- PLAN KEY NOTES:**
- PROVIDE NEMA 4X DISCONNECT AND CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE EXACT LOCATION OF DISCONNECT TO PROVIDE ALL REQUIRED CLEARANCES. REFER TO EQUIPMENT FEEDER SCHEDULE FOR DISCONNECT, CONDUIT, AND WIRE SIZES.
 - PROVIDE SWITCHES AND CONTROL AS SHOWN IN LIGHT SWITCHING DETAIL 1 ON SHEET E701.
 - INSTALL NEW POWER PANEL. COORDINATE WITH PANEL FEEDER SCHEDULE AND ONE-LINE ON SHEET E701.
 - APPROXIMATE LOCATION OF NEW PHONE AND DATA TERMINAL BOXES. COORDINATE EXACT LOCATION WITH UTILITY.
 - INSTALL NEW COMBINATION PHONE AND DATA JACK.
 - INDOOR UNIT IS POWERED FROM OUTDOOR UNIT. COORDINATE WITH MANUFACTURER INSTALLATION LITERATURE.



FLOOR PLAN-ELECTRICAL
SCALE: 1/4"=1'-0"
0 2 4 8



CEILING PLAN-ELECTRICAL
SCALE: 1/4"=1'-0"
0 2 4 8

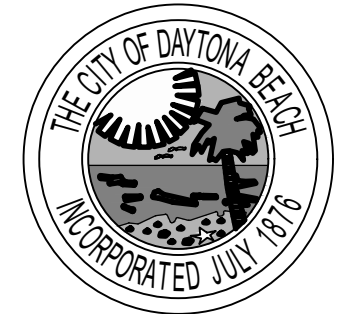
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No.	Date	Description

Project Name:

CAMPBELL POOL ENTRY BUILDING

Drawing File Name: 1600-E701-2020021.DWG

Project Number: 2020-021

Seal:

Scale: AS SHOWN

Design By: EFO

Drawn By: EFO

Checked By: JLM

Engineer of Record:

JUSTIN L MUNDELL

License Number:

FL70700

Sheet Name:

ELECTRICAL SCHEDULES

Sheet Number:

E701

MANUFACTURER: SQ. D.		MAIN OPTIONS REQUIRED		PANEL NAME: MDP (EXISTS)							
TYPE: QO		MCB: 200 AMPS		LOCATION: EXTERIOR TO LOCKER RM							
AIC RATING: 10 K AMPS		MLO: AMPS		MOUNTING: SURFACE							
VOLTS L-N: 120 V		S.E. RATED:		NEMA TYPE: 3R							
VOLTS L-L: 240 V		SHUNT TRIP:		WIDTH: IN							
PHASE 1				DEPTH: IN							
N O T E S	CKT NO.	IDENTIFICATION	LOAD/PHASE (KVA)	CIRCUIT BREAKER				LOAD/PHASE (KVA)	IDENTIFICATION	CKT NO.	N O T E S
				A	B	TRIP	P				

PANEL FEEDER SCHEDULE: * WIRE SIZES ARE BASED ON NFPA 70 TABLE 310.15(B)(16) 60 DEGREE C.U. COLUMN FOR SIZES OF 100A AND LESS, ALL OTHERS BASED ON 75 DEGREE COLUMN. ** LOAD AMPS AND DISTANCE SHOWN FOR V.D. CALCULATION ONLY. SEE PANEL SCHEDULE FOR ACTUAL LOAD, ACTUAL DISTANCE MAY VARY DEPENDENT ON ROUTING.

FEEDER	DESCRIPTION	VOLTS	PH	NEUT	200% GND	ISO MAIN	LOAD	DISCONNECT	WIRE PER PHASE*	NEUT WIRE	ADD	GND	ISO	SYST	# OF RUNS	CONDUIT	APPROX	VOLT DROP	NOTES
SOURCE	LOAD			Y/N	Y/N	Y/N	AMPS**	SIZE	SIZE	FUSE	NEMA								
MDP	PP1	208	1	Y	N	Y	100	80	#3	#3	#8				1	1-1/4"	100	1.92%	

GENERAL NOTES:
(1) - PROVIDE DISC. SW. AT ALL PIECES OF EQUIPMENT, UNLESS OTHERWISE NOTED ON THIS SCHEDULE.
(2) - FUSES SHOWN FOR REFERENCE ONLY, PROVIDE FUSES AS RECOMMENDED BY EQUIP. MANUF.
(3) - PROVIDE NEMA OUTDOOR RATED ENCLOSURES FOR ALL DISC. SWS MOUNTED OUTDOORS.
(4) - COORDINATE STARTER TYPE WITH MECHANICAL EQUIPMENT INSTALLER.
(5) - E.C. TO VERIFY THAT C.B. FOR COMPRESSORS IS SUFFICIENT TO ALLOW STARTING OF UNIT, IF REQUIRED FOR STARTING C.B. TO BE INCREASED TO A MAX OF 225% OF COMP. F.L.A.
(6) - #12 FEEDERS SHOWN AND OVER 50FT. LONG TO BE #10 WIRE FOR 120V CIRCUITS.
#12 FEEDERS SHOWN AND OVER 100FT. LONG TO BE #10 WIRE FOR 277V CIRCUITS.

ABBREVIATIONS:
N.F. = NON-FUSED
ECB = ENCLOSED CIRCUIT BREAKER
3R = NEMA 3R ENCLOSURE
4X = NEMA 4 WP. STAINLESS STEEL ENCL.

EQUIPMENT FEEDER SCHEDULE: * WIRE SIZES ARE BASED ON NFPA 70 TABLE 310.15(B)(16) 60 DEGREE C.U. COLUMN FOR SIZES OF 100A OR LESS, ALL OTHERS BASED ON 75 DEGREE COLUMN. ** DISTANCE SHOWN FOR VOLTAGE DROP CALCULATION ONLY. ACTUAL DISTANCE MAY VARY DEPENDENT ON ROUTING.

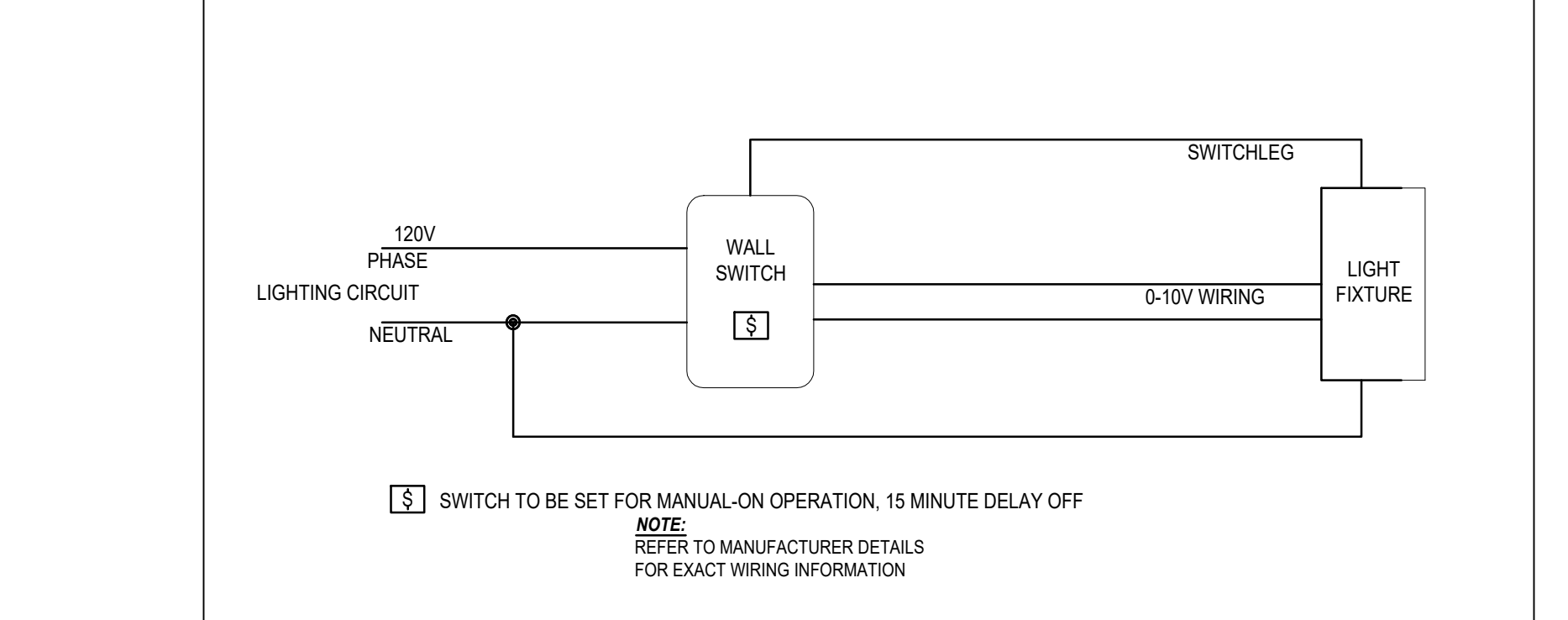
EQUIPMENT DESCRIPTION	VOLTS	PH	NEUT	MOTOR (LARGEST)	ADDITIONAL MOTORS	HEAT STRIPS	MISC AMPS	TOTAL AMPS	P.N.L. C.B.	DISCONNECT	WIRE PER PHASE*	NEUT WIRE	GND	# OF RUNS	CONDUIT	APPROX	VOLT DROP	NOTES
			Y/N	H.P.	FLA	H.P.	FLA	KW	AMPS	SIZE	SIZE	NEMA TYPE						
ACU	240	1	Y	5.30	0.22			5.5	15	30	#12	#12	#12	1	3/4"	30	0.28%	
FUTURE IRRIGATION TIMER	120	1	Y					15.0	20		#12	#12	#12	1	3/4"	30	1.50%	

GENERAL NOTES:
(1) - PROVIDE DISC. SW. AT ALL PIECES OF EQUIPMENT NOT WITHIN SIGHT OF THE OVERCURRENT PROTECTIVE DEVICE.
(2) - FUSES SHOWN FOR REFERENCE ONLY, PROVIDE FUSES AS RECOMMENDED BY EQUIP. MANUF.
(3) - PROVIDE NEMA OUTDOOR RATED ENCLOSURES FOR ALL DISC. SWS MOUNTED OUTDOORS.
(4) - COORDINATE STARTER TYPE WITH MECHANICAL EQUIPMENT.
(5) - COORDINATE ALL OVERCURRENT PROTECTIVE DEVICES WITH THE ACTUAL EQUIPMENT BEING SUPPLIED. NOTIFY THE ENGINEER IF DISCREPANCIES ARE FOUND.
(6) - DISCONNECTS BETWEEN MOTORS AND V.F.C.S SHALL BE PROVIDED WITH AN AUXILIARY CONTACT AND WIRED TO THE E-STOP OF THE VFD.

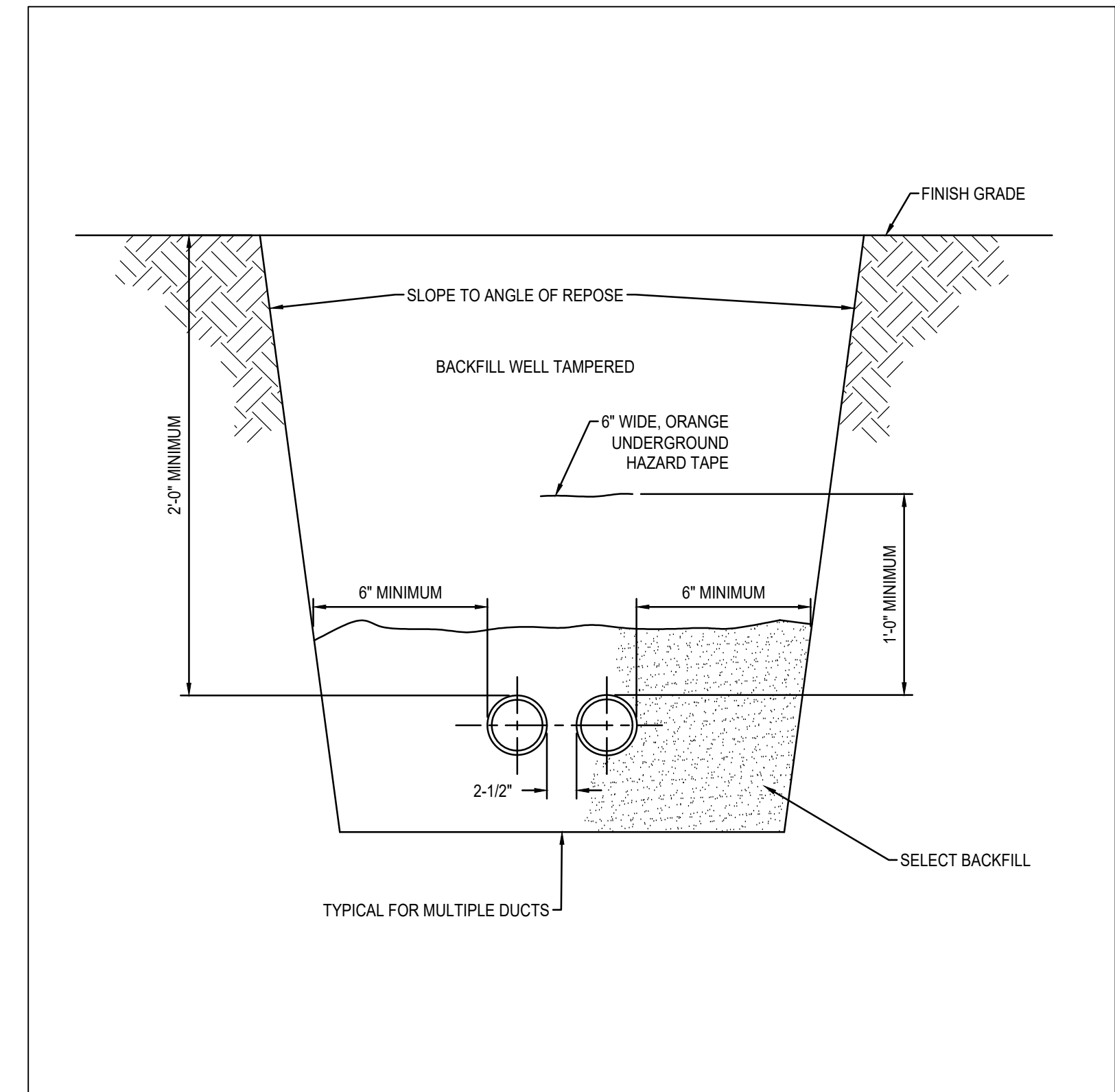
NOTES:
(a) - ROUTE ALL FEEDERS CONCEALED FROM PUBLIC VIEW.

LIGHTING FIXTURE SCHEDULE

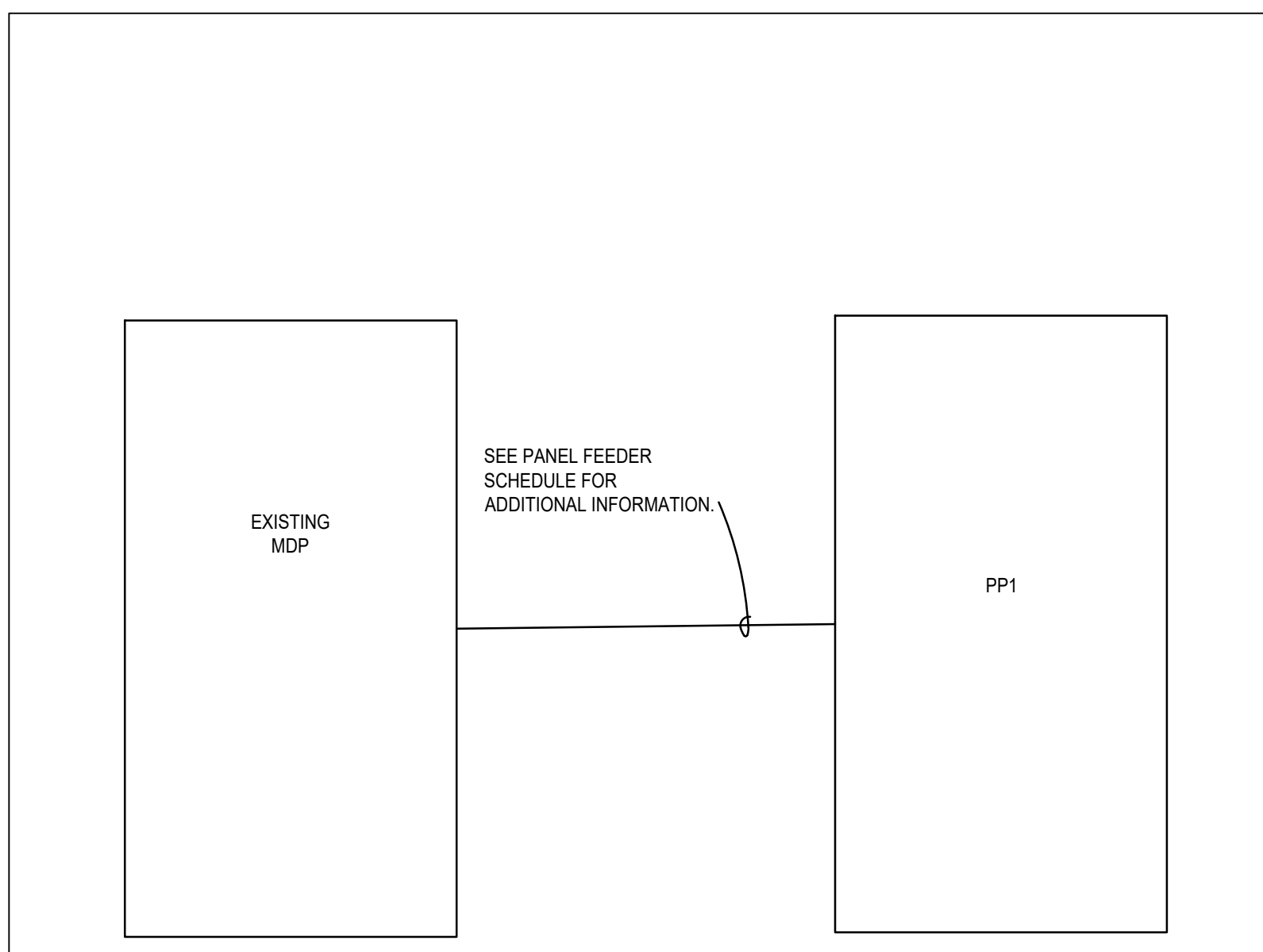
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	WATTS	DIMMING	MOUNTING	Notes
A	LED SHALLOW SURFACE MOUNTED 1'x4' LIGHT FIXTURE	H.E. WILLIAMS	PTS-14-L45/835-RA-DIM-UNV	UNV	LED	33.7	0-10V	SURFACE	-
A.EM	LED SHALLOW SURFACE MOUNTED 1'x4' LIGHT FIXTURE WITH BUILT IN 12W LOW PROFILE EMERGENCY BATTERY	H.E. WILLIAMS	PTS-14-L45/835-RA-EM/10WLP-DIM-UNV	UNV	LED	33.7	0-10V	SURFACE	-
S	12" LED STEP LIGHT	SIGNIFY	941L-31L-NW-C-LV-120-TP-BZ	120	LED	32	-	SURFACE	-
F	FLOOD LIGHT	SIGNIFY	FL80-NW-G1-S-FL-8-BZ	120	LED	79	-	SURFACE	-



TYPICAL WALL MOUNT VACANCY LIGHTING CONTROL DETAIL
No Scale



CONDUIT TRENCH
No Scale



ONE-LINE DIAGRAM
No Scale

ELECTRICAL SCHEDULES

DESIGN SPECIFICATIONS

- DESIGN IS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017.
- MINIMUM 28 DAY CONCRETE CYLINDER STRENGTH SHALL BE:
 - FOOTINGS AND SLAB ON GRADE 3000 PSI
 - OTHERS 3000 PSI
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
- STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A992 GRADE 50.
- STRUCTURAL STEEL HSS TUBES SHALL CONFORM TO ASTM A500 GRADE B.
- STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, AND OTHER ROLLED MEMBERS SHALL CONFORM TO ASTM A36.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 TYPE II LIGHTWEIGHT OR NORMAL WEIGHT UNITS.
- MORTAR SHALL CONFORM TO ASTM C270 TYPE S.
- MASONRY GROUT SHALL CONFORM TO ASTM C476. MINIMUM COMPRESSIVE STRENGTH SHALL BE $f_m = 3000$ PSI.
- MINIMUM COMPRESSIVE STRENGTH OF UNREINFORCED CONCRETE MASONRY CONSTRUCTION SHALL BE $f_m = 2500$ PSI.
- MINIMUM COMPRESSIVE STRENGTH OF REINFORCED CONCRETE MASONRY CONSTRUCTION SHALL BE $f_m = 2500$ PSI.
- ANCHOR RODS SHALL BE ASTM F1554 GRADE 36.
- ASSUMED BEARING CAPACITY FOR SPREAD FOOTINGS IS 2000 PSF.

MINIMUM ROOF LIVE LOAD	20 PSF
WIND LOAD (ASCE 7-10)	
OCCUPANCY CATEGORY	III
BASIC WIND SPEED	V = 137 MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	$GCF_i = +0.18$

- ALL STRUCTURAL FRAMING AND CONNECTIONS HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE STRUCTURAL FRAMING AND CONNECTIONS FOR ADEQUACY DURING THE ERECTION AND CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND JOB SITE SAFETY.

GENERAL NOTES

EARTHWORK

- PROOF ROLL THE BUILDING SITE TO LOCATE ANY UNFORESEEN SOFT AREAS. ANY SOFT AREAS SHALL BE EXCAVATED AND REPLACED WITH CLEAN FILL. DENSITY OF AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE FOR A DEPTH OF 2 FEET IS REQUIRED UNDER THE NEW SLAB ON GRADE.
- ALL FILL SHALL BE CLEAN SAND AND FREE OF ORGANIC MATERIALS. COMPACT FILL IN 12 INCH (UNCOMPACTED THICKNESS) LIFTS TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE.

CONCRETE

- FORMWORK SHALL BE DESIGNED IN ACCORDANCE WITH THE ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION.
- REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION, UNLESS OTHERWISE NOTED.
- LAP ALL WALL BARS 36 DIAMETERS UNLESS OTHERWISE DETAILED.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318-14.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE.
- DO NOT PLACE OR CUT HOLES IN CONCRETE SLABS, BEAMS, WALLS OR COLUMNS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- WATER TO CEMENT RATIO SHALL BE EQUAL OR LESS THAN 0.5.
- EXTERIOR EXPOSED CONCRETE SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE 5 PERCENT (+/- 1.12 PERCENT).
- PIPES AND CONDUITS EMBEDDED IN OR PASSING THROUGH STRUCTURAL MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER. PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL NOT BE LARGER THAN 2 INCHES IN OUTSIDE DIAMETER AT THEIR WIDEST POINT OR FITTING OR 1/3 OF THE THICKNESS OF THE SLAB, BEAM OR WALL.
- ELECTRICAL CONDUIT OR PIPES EMBEDDED IN OR PASSING THROUGH SLABS, BEAMS OR WALLS SHALL BE LOCATED AND PLACED SO THAT:
 - THEY ARE NOT CLOSER THAN THREE DIAMETERS ON CENTER.
 - THE CONCRETE COVER IS NOT LESS THAN 2 INCH.
 - THEY RUN BETWEEN REINFORCING AND DO NOT DISPLACE IT IN ANY MANNER.

- ALUMINUM CONDUITS SHALL NOT BE PLACED IN CONCRETE.
- PROPER CURING PROCEDURES SHALL BE USED FOR SLAB ON GRADE TO PREVENT CURLING.
- CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE MIXES.
- INTERIOR SLABS ON GRADE SHALL BE 6 INCHES THICK AND REINFORCED WITH #5@18" OC BOTH WAYS, MID-DEPTH.

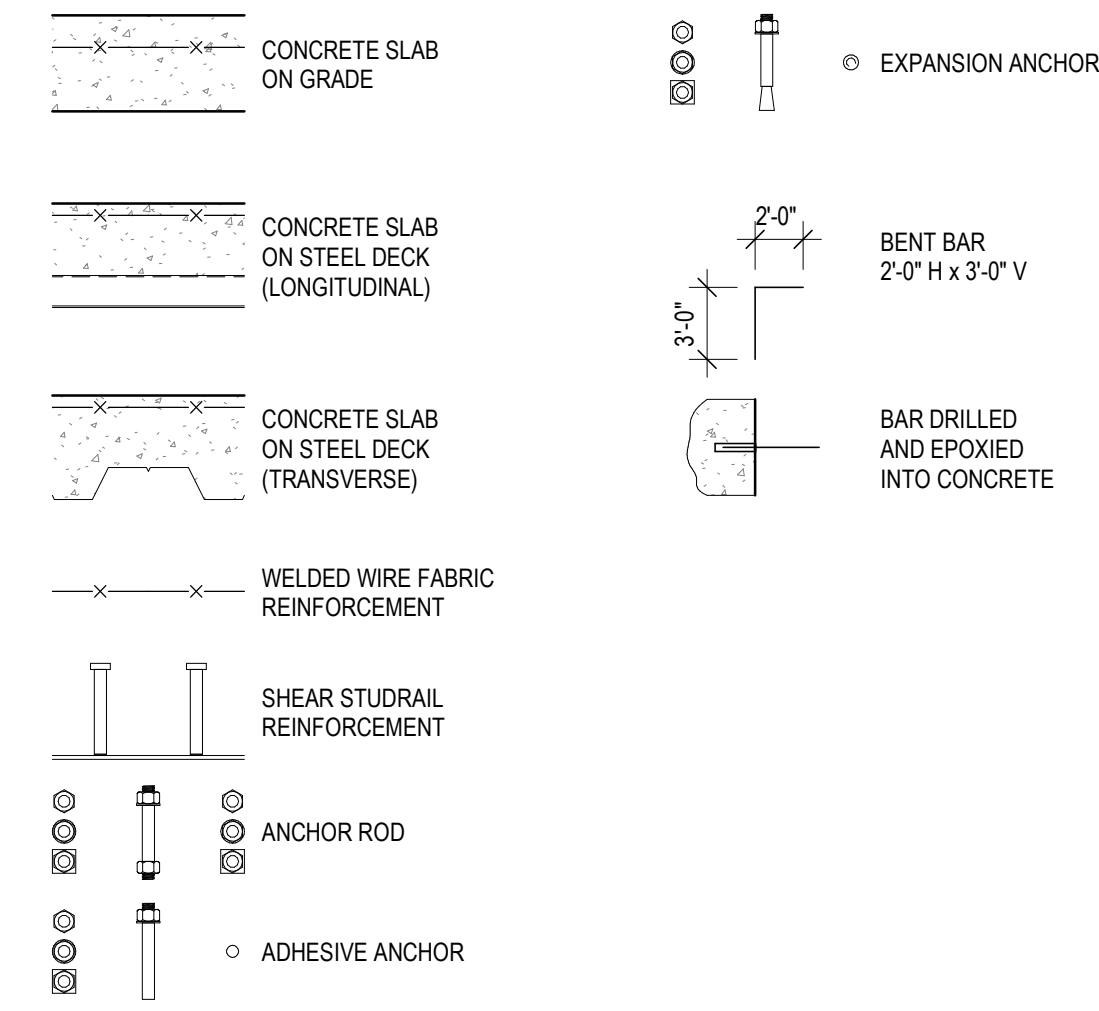
STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL", THIRTEENTH EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", JUNE 15, 2016 EDITION.
- STEEL DECK FABRICATION AND ERECTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE.
- ALL WELDING SHALL COMPLY WITH AWS D1.1 USING E70XX ELECTRODES. ALL WELDING TO BE DONE BY AWS PREQUALIFIED WELDERS, CERTIFIED FOR WELDS MADE. PROVIDE CONTINUOUS MINIMUM SIZED WELDS PER AISC REQUIREMENTS, UNLESS NOTED OTHERWISE.
- THE MINIMUM SIZE OF FILLET WELDS SHALL BE AS SPECIFIED IN TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL".
- MINIMUM STRENGTH OF WELDED CONNECTIONS: UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL SHOP AND FIELD WELDS SHALL DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER OR ELEMENT JOINED. ALL MEMBERS WITH MOMENT CONNECTIONS, NOTED ON THE DRAWINGS, SHALL BE WELDED TO DEVELOP THE FULL FLEXURAL CAPACITY OF THE MEMBER, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- COLUMN BASE PLATES SHALL HAVE OVERSIZED HOLES WITH PLATE WASHERS (MINIMUM 3/8-INCH THICK) PROVIDED WITH ANCHOR RODS.
- GROUT UNDER BASE PLATES IN ACCORDANCE WITH THE "AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", JUNE 15, 2016 EDITION.
- CLEAN, PREPARE AND SHOP PRIME EXTERIOR EXPOSED STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH SSPC STANDARDS SP-1 AND SP-6.
- WHILE THE DESIGN DOCUMENTS MAY REFERENCE OSHA, THEY ARE NOT INTENDED TO SPECIFICALLY IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND COMPLY WITH ALL APPLICABLE OSHA REQUIREMENTS.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.

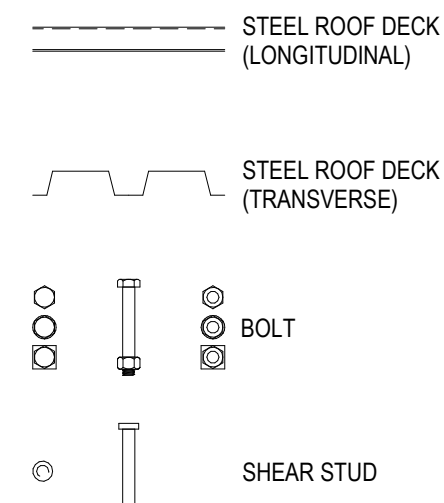
SYMBOL LEGEND

LINE	MATERIAL	REFERENCE
— BEYOND	ALUMINUM	N NORTH INDICATOR
- - - CENTER GRID	BRICK	A6 S-501 DETAIL VIEW INDICATOR
- - - DEMOLITION	CONCRETE	A1 S-201 ELEVATION VIEW INDICATOR
— EXISTING (HALFTONE)	CONCRETE MASONRY BLOCK	A6 S-501 SECTION VIEW INDICATOR
- - - HIDDEN	EARTH	A6/S-501 VIEW INDICATOR
- · - · MATCHLINE	GRAVEL	1 GRID INDICATOR
— NEW (CUT)	GROUT	1 EXISTING GRID INDICATOR
— NEW (PROJECTION)	WOOD STRUCTURAL PANEL	
- - - OVERHEAD	STEEL	

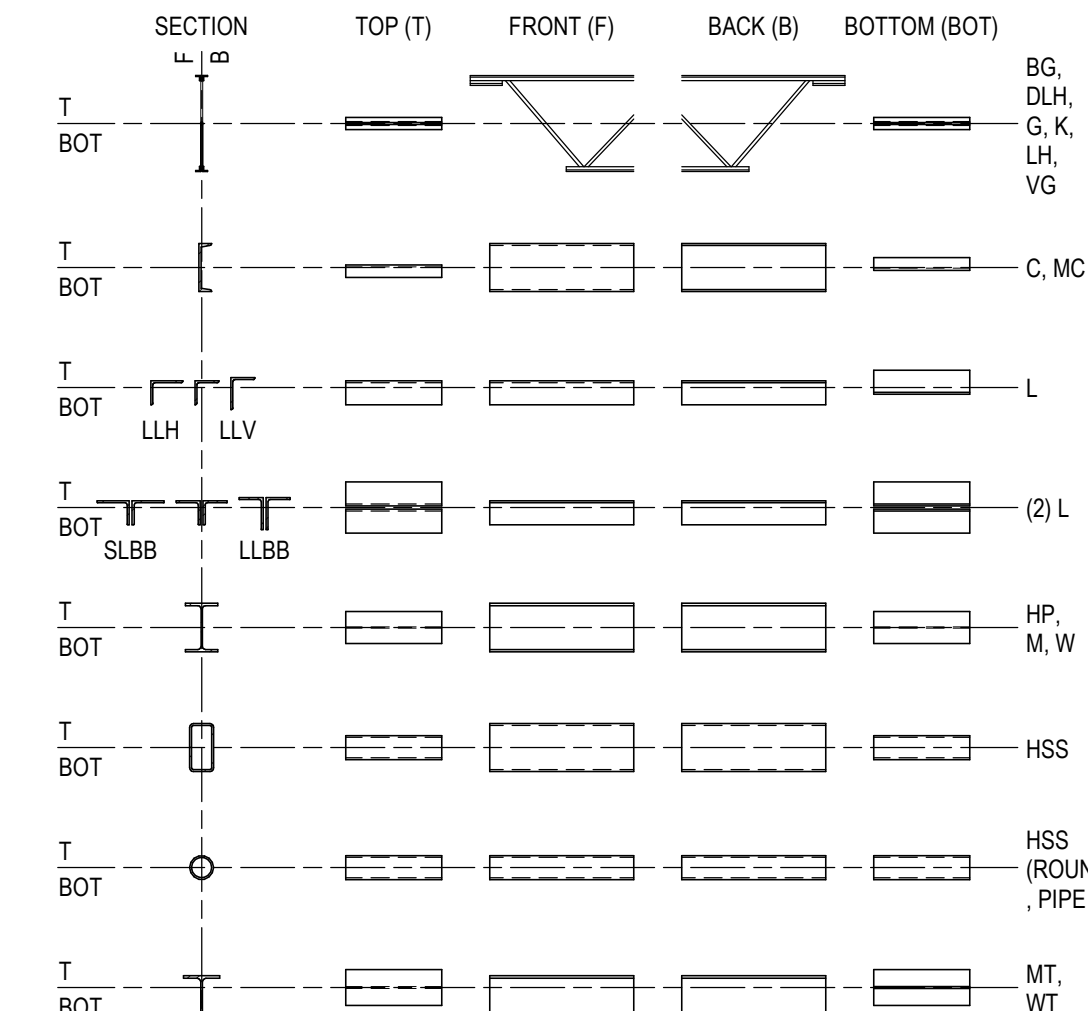
CONCRETE LEGEND



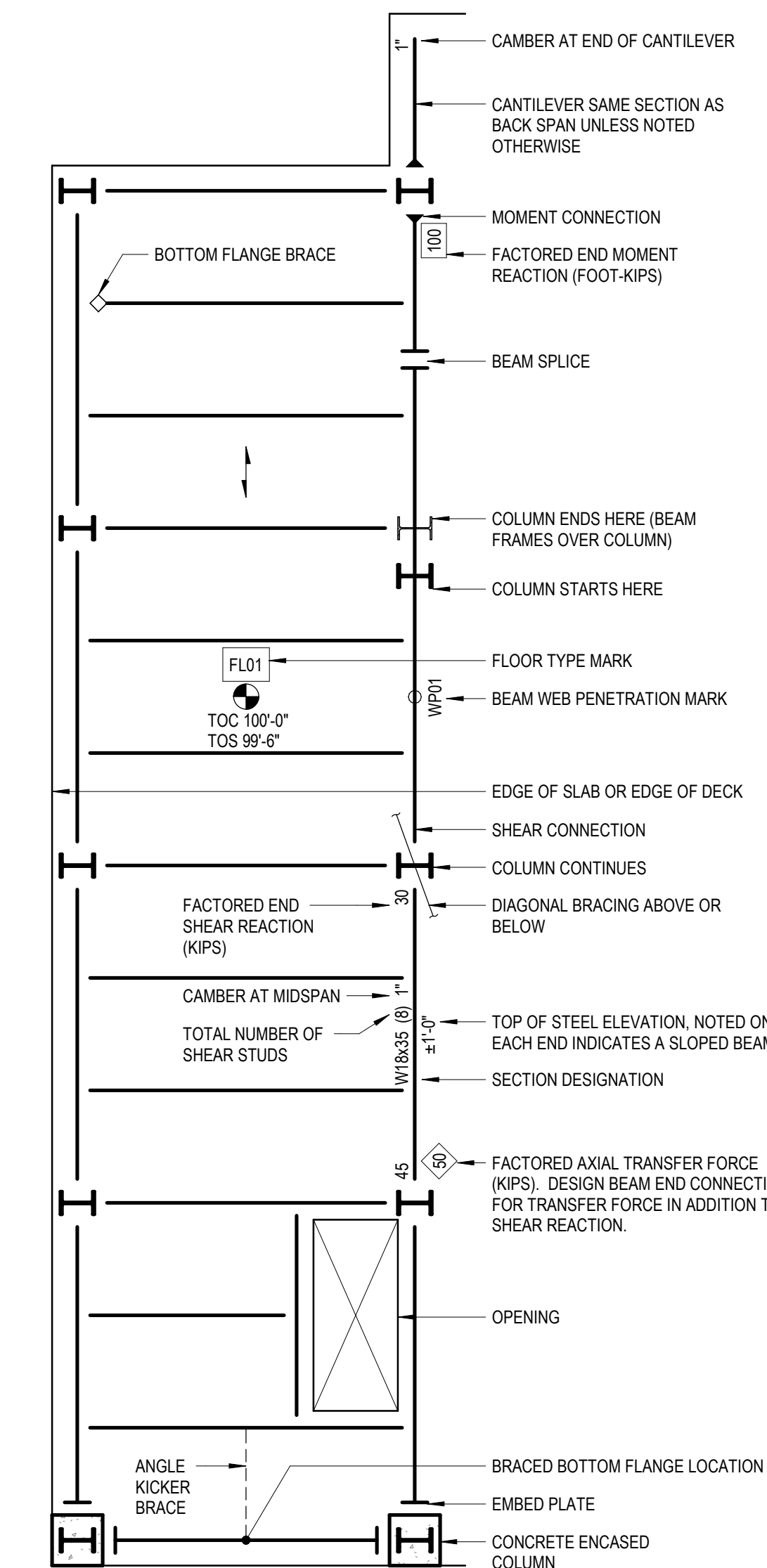
STEEL LEGEND



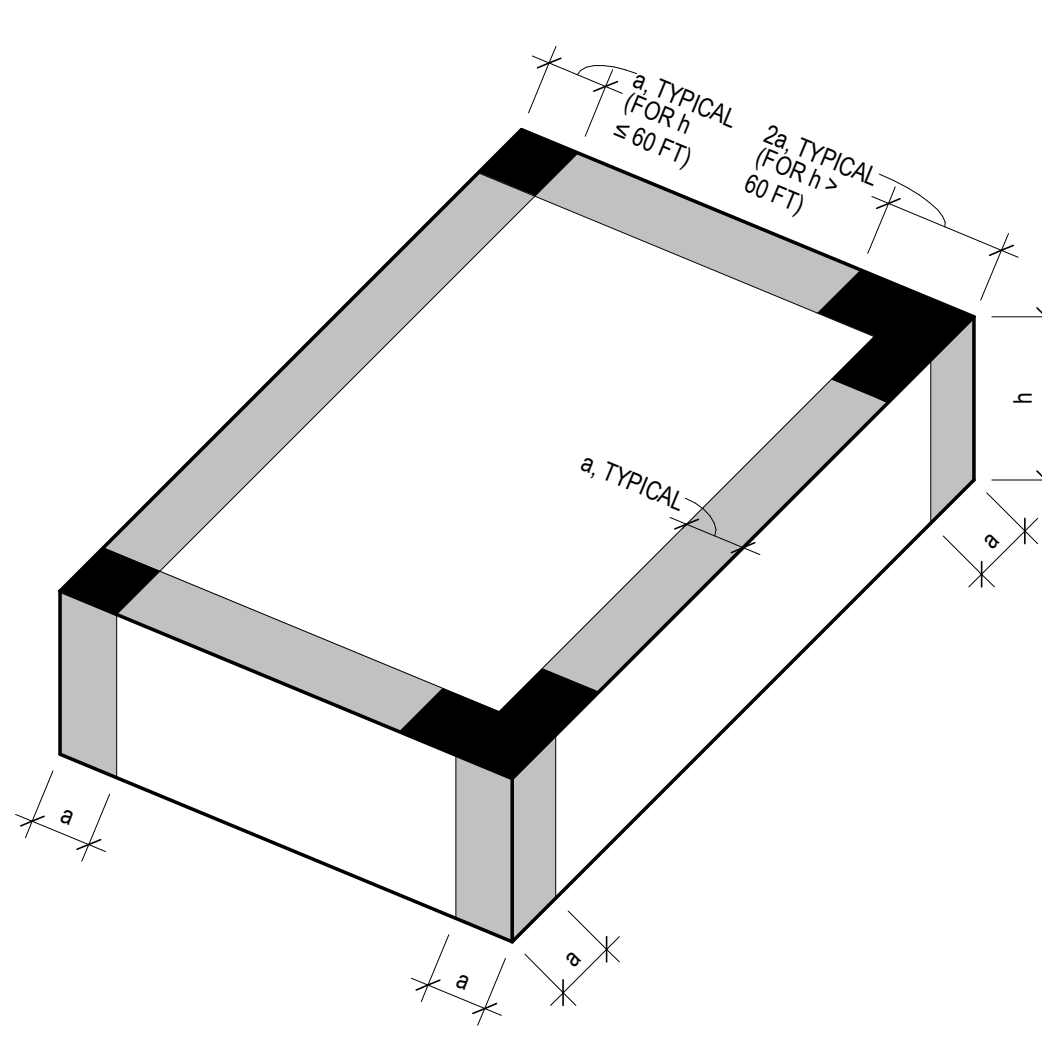
STEEL SHAPES LEGEND



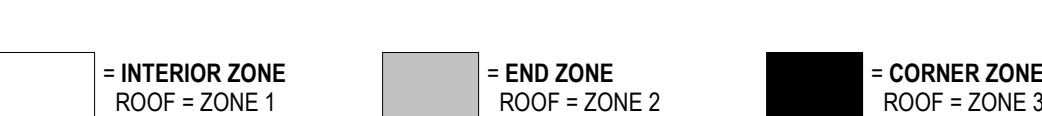
STEEL FRAMING PLAN LEGEND



WIND PROVISIONS FOR COMPONENTS AND CLADDING TABLE



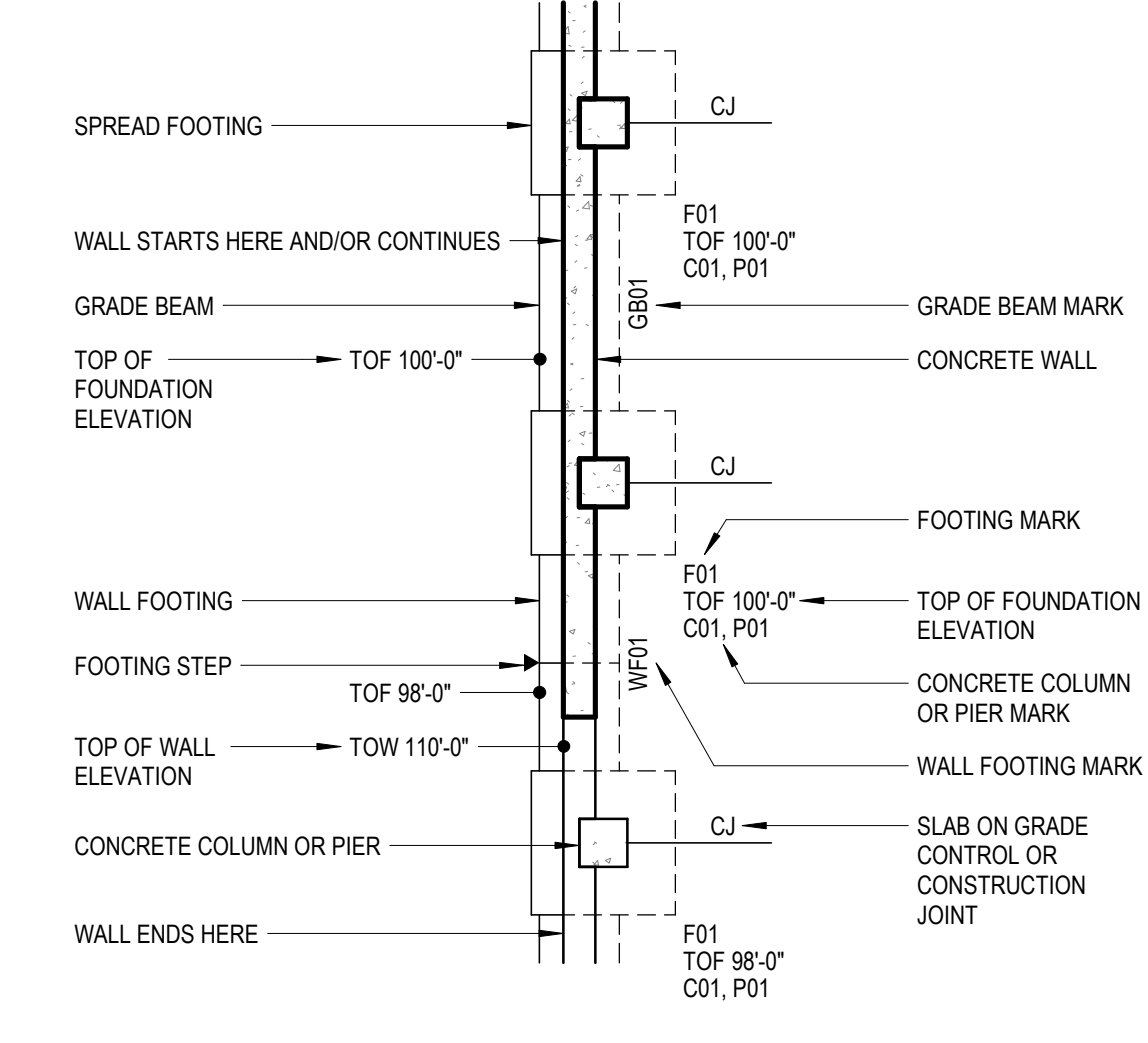
FLAT ROOF BUILDING
a = X'-X"
b = Y'-Y"



ZONE	EFFECTIVE WIND AREA, SF			DESCRIPTION
	10	50	100	
1	-40.9	-38.5	-37.4	ROOF INTERIOR ZONE
2	-68.6	-51.7	-44.4	END ZONE REGION OF THE ROOF
3	-103.3	-62.1	-44.4	CORNER ZONE REGION OF THE ROOF
ROOF OVERHANG (ZONES 1 AND 2)				
	-58.9	-56.5	-55.5	
	-57.7	-48.6	-27.7	
4 (+)	37.4	33.6	31.9	WALL INTERIOR ZONE
4 (-)	-40.6	-36.7	-35.1	
5 (+)	37.4	33.6	31.9	END ZONE REGION OF THE WALL
5 (-)	-49.9	-42.2	-38.9	

- NOTES:
- NEGATIVE PRESSURES ACT AWAY FROM COMPONENT SURFACE. POSITIVE PRESSURES ACT TOWARD COMPONENT SURFACES.
 - WIND UPLIFT PRESSURE ON CANOPIES AND ROOF OVERHANGS SHALL BE 60 PSF.
 - FOR NET UPLIFT TO ROOF JOISTS, SUBTRACT A ROOFING DEAD LOAD OF 15 PSF (NOT INCLUDING JOIST SELF WEIGHT) FROM THE WIND PRESSURES SHOWN.
 - WIND LOADS PROVIDED ARE ULTIMATE LOADS, AS DETERMINED USING ASCE 7-10 PROVISIONS.

FOUNDATION PLAN LEGEND



SHEET INDEX

- S-001 GENERAL NOTES AND INFORMATION
- S-101 PLANS AND SECTIONS
- S-501 DETAILS

GRAEF

2300 Maitland Center Parkway,
Suite 210
Maitland, FL 32751
407 / 659 6500
407 / 659 0609 fax

www.graef-usa.com

CERTIFICATION # 4270

CLIENT:

CITY OF DAYTONA BEACH, FL

PROJECT TITLE:

DAYTONA BEACH CAMPBELL
POOL LIFE GUARD BUILDING

PROJECT ADDRESS

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 20194124

DATE: 03/16/2020

DRAWN BY: KRN

CHECKED BY: SDH

APPROVED BY: SDH

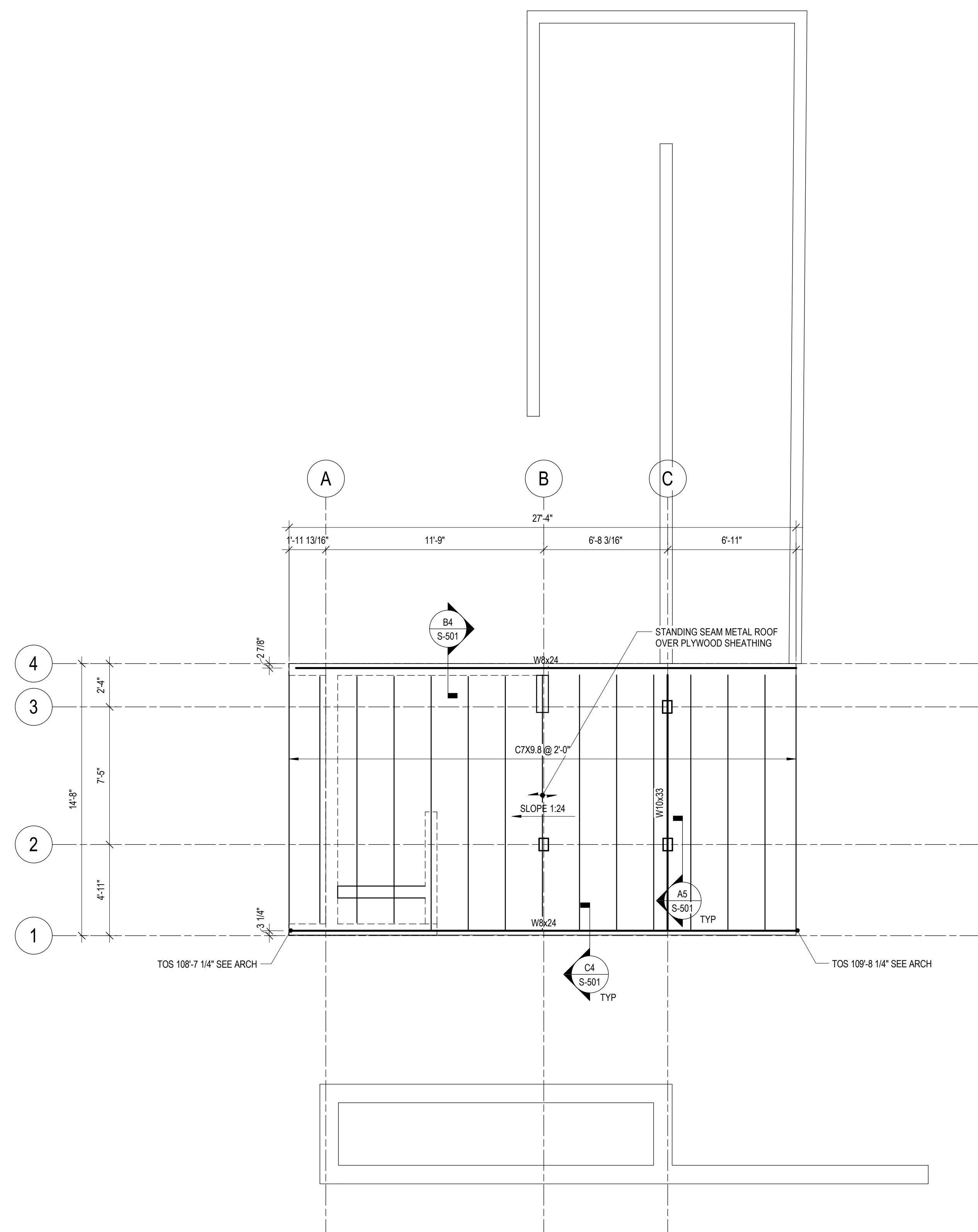
SCALE: AS NOTED

SHEET TITLE:

GENERAL NOTES AND
INFORMATION

SHEET NUMBER:

S-001

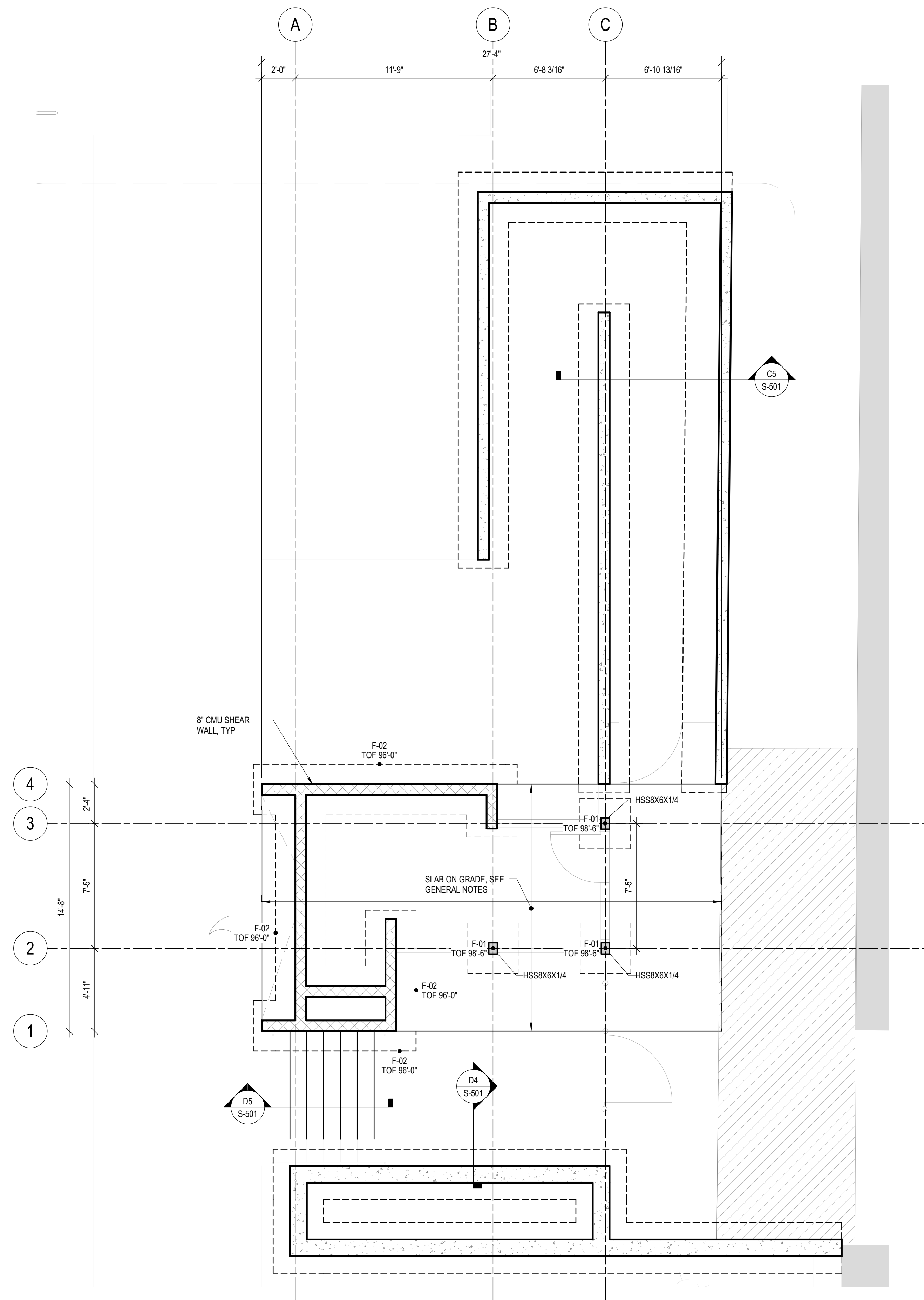


2 ROOF LEVEL FRAMING

1/4" = 1'-0"

NOTES:

- REFER TO GENERAL NOTES ON SHEET S-001.
- ROOF SHEATHING AND SOFFIT SHALL BE 5/8" ACX GRADE.
- ALL WOOD FRAMING SHALL BE PRESSURE-TREATED.
- SEE ARCHITECTURAL DRAWING FOR STANDING SEAM METAL ROOF INFORMATION.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.
- ALL ROOF WIDE FLANGE AND CHANNEL BEAMS APPEAR ON SAME PLANE.



1 FOUNDATION LEVEL FRAMING

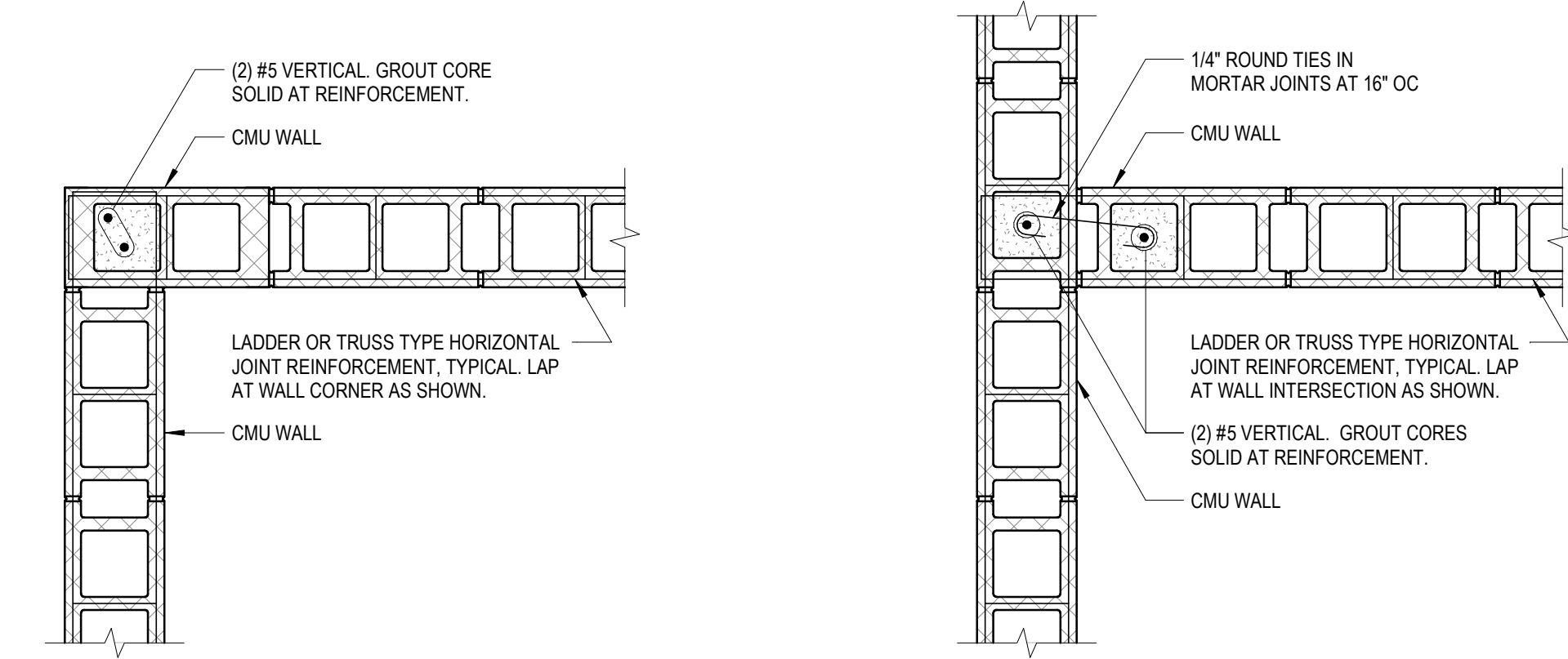
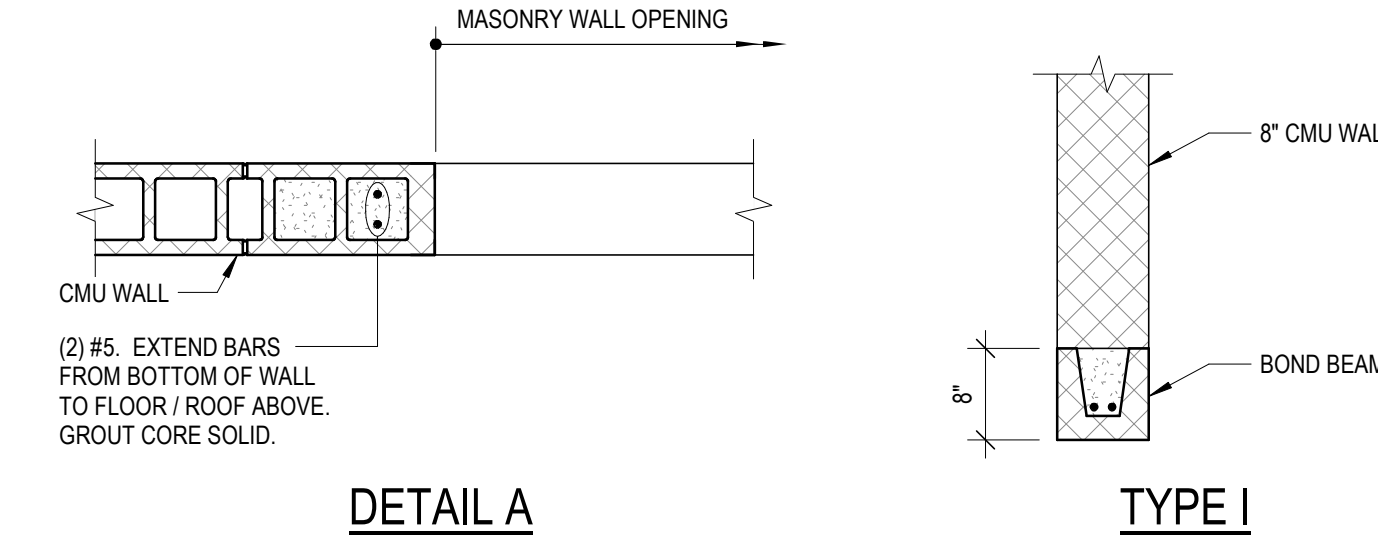
1/4" = 1'-0"

NOTES:

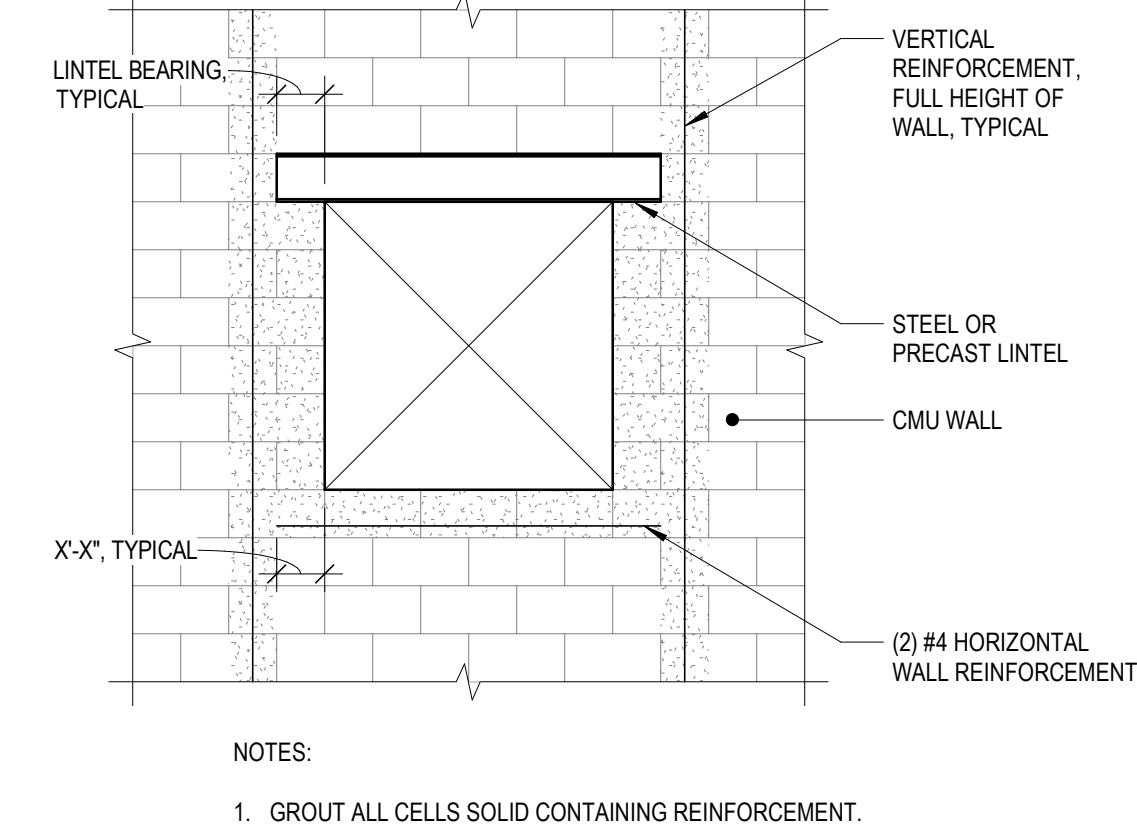
- REFER TO GENERAL NOTES ON SHEET S-001.
- F-01 DENOTES CONCRETE SPREAD FOOTING, 4'-0" (L) X 4'-0" (W) X 1'-0" (D) WITH (4)#5 EACH WAY, TOP AND BOTTOM. SEE DETAIL ON SHEET S-501.
- F-02 DENOTES CONCRETE STRIP FOOTING, 3'-0" (W) X 1'-0" (D) WITH (3)#5, BOTTOM. SEE DETAIL ON SHEET S-501.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.

LINTEL SCHEDULE				
MARK	TYPE	SIZE	BEARING LENGTH	REMARKS
NA	I	8" BOND BEAM WITH (2) #5 BOTTOM	8"	ALL OPENINGS LESS THAN OR EQUAL TO 6'-0". SEE DETAIL A.

- LINTEL SCHEDULE NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - COORDINATE BOTTOM OF LINTEL ELEVATION WITH ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE NOMINAL MASONRY DIMENSIONS UNLESS NOTED OTHERWISE.
 - PROVIDE MINIMUM 6" BEARING EACH END UNLESS NOTED OTHERWISE.
 - FOR CMU LINTELS, CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAYS MINIMUM).

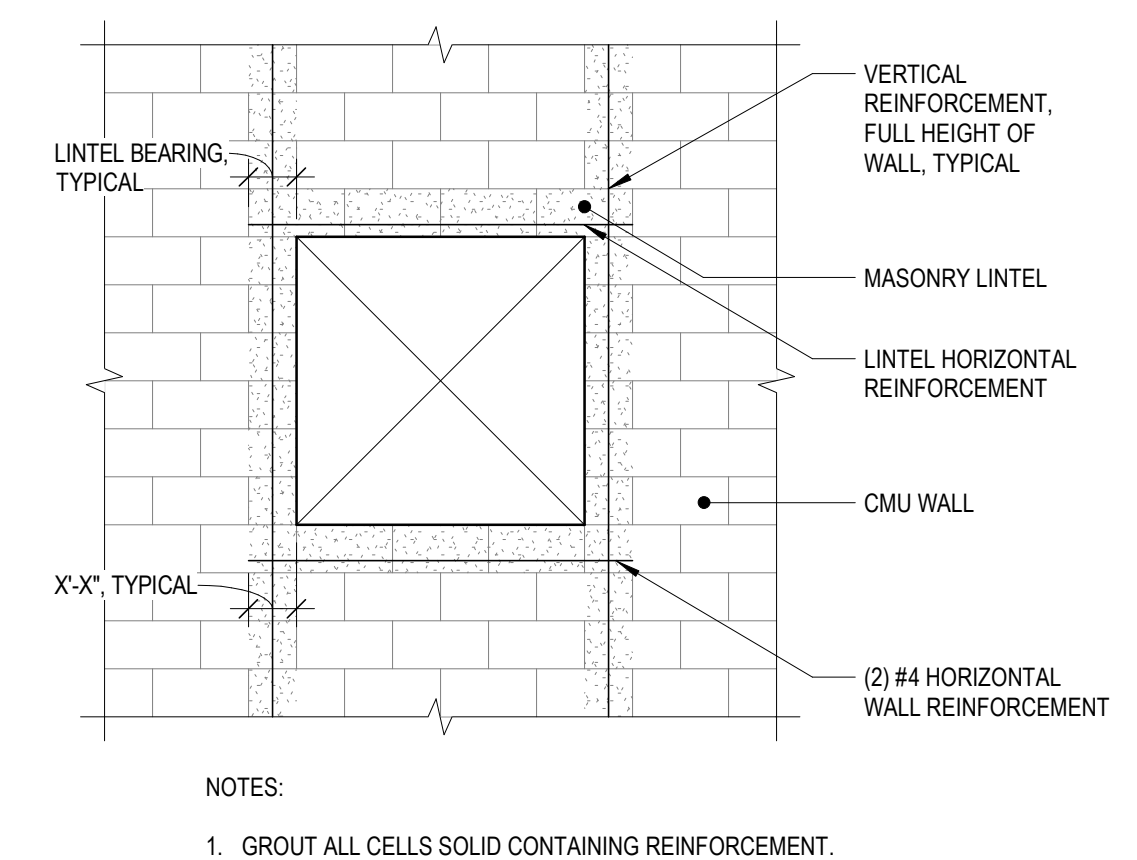


C1 CMU WALL CORNER
1" = 1'-0"



C2 CMU WALL INTERSECTION
1" = 1'-0"

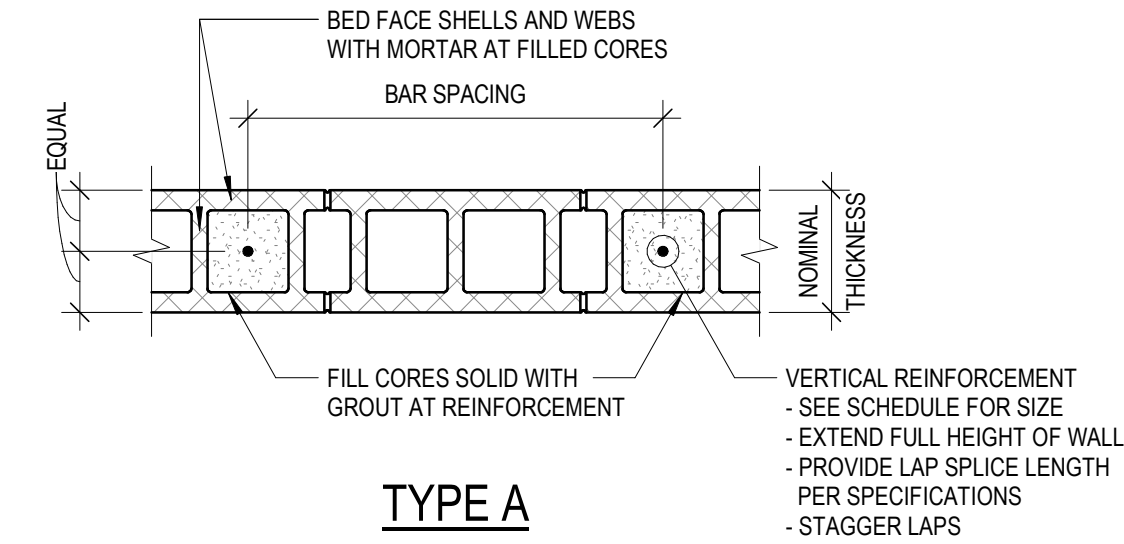
B6 CMU WALL PUNCHED OPENING
3/8" = 1'-0"



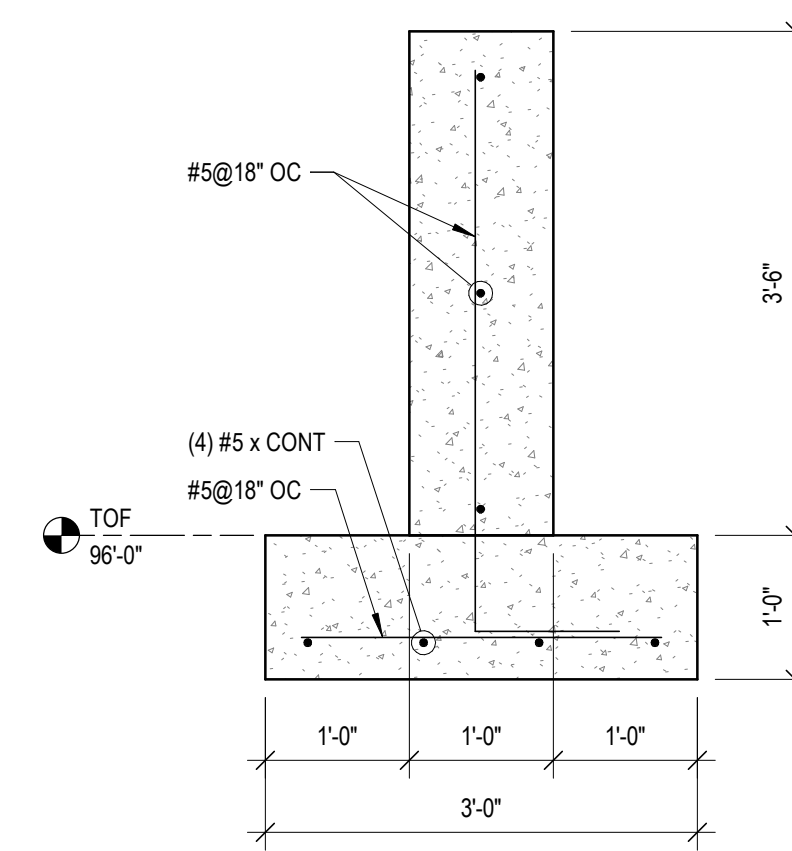
A1 CMU WALL PUNCHED OPENING
3/8" = 1'-0"

MASONRY WALL SCHEDULE				
MARK	NOMINAL THICKNESS	TYPE	VERTICAL REINFORCEMENT	REMARKS
MW1	8"	A	#5@32" OC	

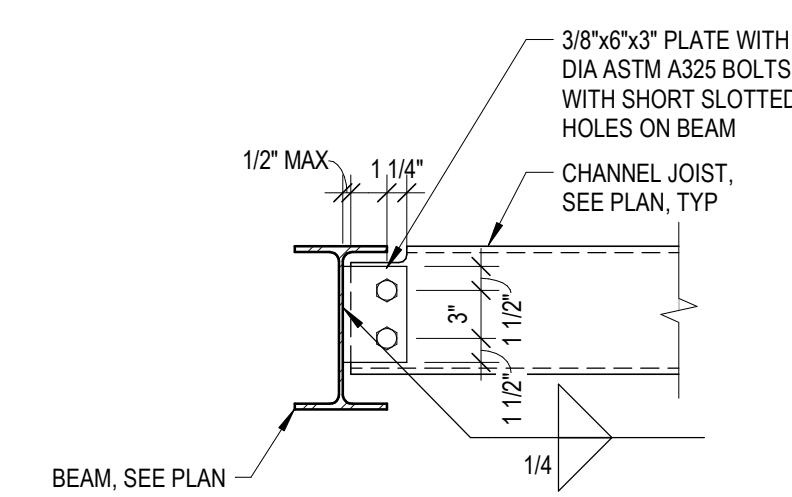
- MASONRY WALL SCHEDULE NOTES:
- PROVIDE TYPICAL VERTICAL REINFORCEMENT AT WALL ENDS AND EACH SIDE OF CONTROL JOINTS. REINFORCE FIRST TWO CELLS EACH SIDE OF OPENINGS FULL HEIGHT OF WALL. WHERE THE USE OF STEEL OR PRECAST LINTELS INTERRUPTS VERTICAL CONTINUITY OF WALL REINFORCEMENT, SHIFT REINFORCED CELLS PAST LINTEL BEARINGS AND GROUT WALL SOLID BELOW ENDS OF LINTELS.
 - PROVIDE DOWELS FOR VERTICAL REINFORCEMENT INTO FOUNDATION WALLS AND FOOTINGS BELOW PER DETAILS.
 - SEE GENERAL NOTES AND DETAILS FOR HORIZONTAL JOINT REINFORCEMENT AND BOND BEAM REQUIREMENTS.
 - UNLESS DETAILED OR OTHERWISE CALLED OUT, PROVIDE CMU LINTELS PER LINTEL SCHEDULE OVER OPENINGS IN MASONRY WALLS.
 - PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AS PER SPECIFICATIONS.
 - OPENINGS IN WALLS PROVIDED FOR MECHANICAL DUCTWORK SHALL BE CENTERED IN BETWEEN BEAM BEARING LOCATIONS OR POSITIONED WITH THE NEAREST EDGE NO CLOSER THAN 24" EITHER SIDE OF BEAM BEARING LOCATIONS.
 - SEE PLAN AND DETAILS FOR ADDITIONAL WALL REINFORCEMENT AND GROUTING REQUIREMENTS NOT COVERED IN THIS SCHEDULE.



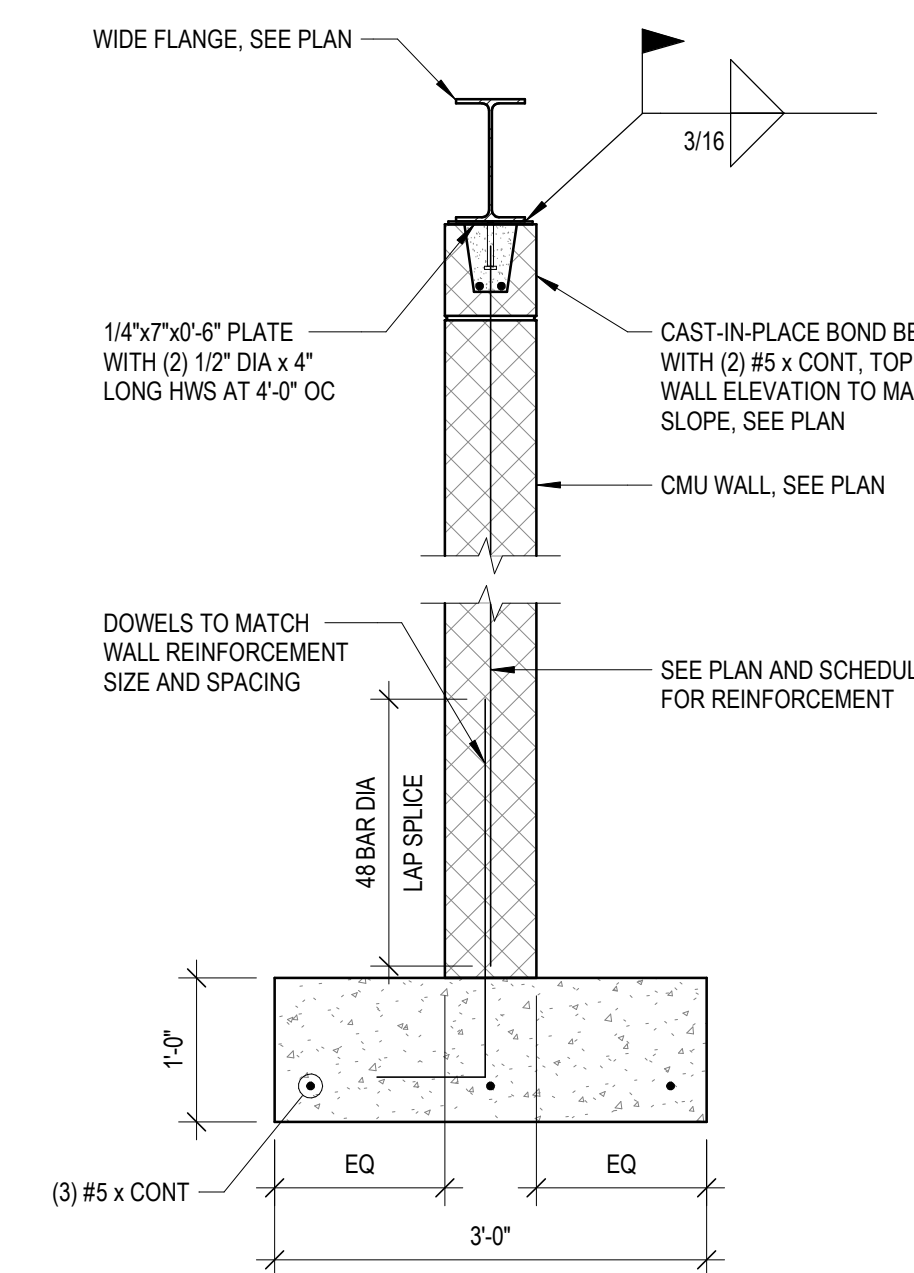
D4 PLANTER WALL DETAIL
3/4" = 1'-0"



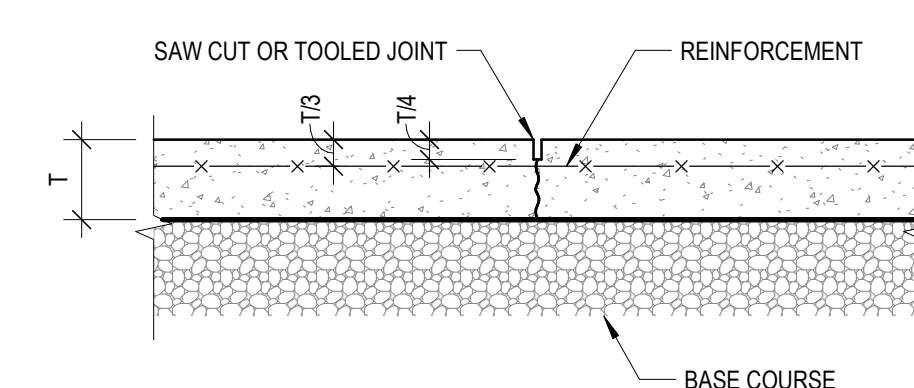
C4 BEAM TO BEAM CONNECTION
1" = 1'-0"



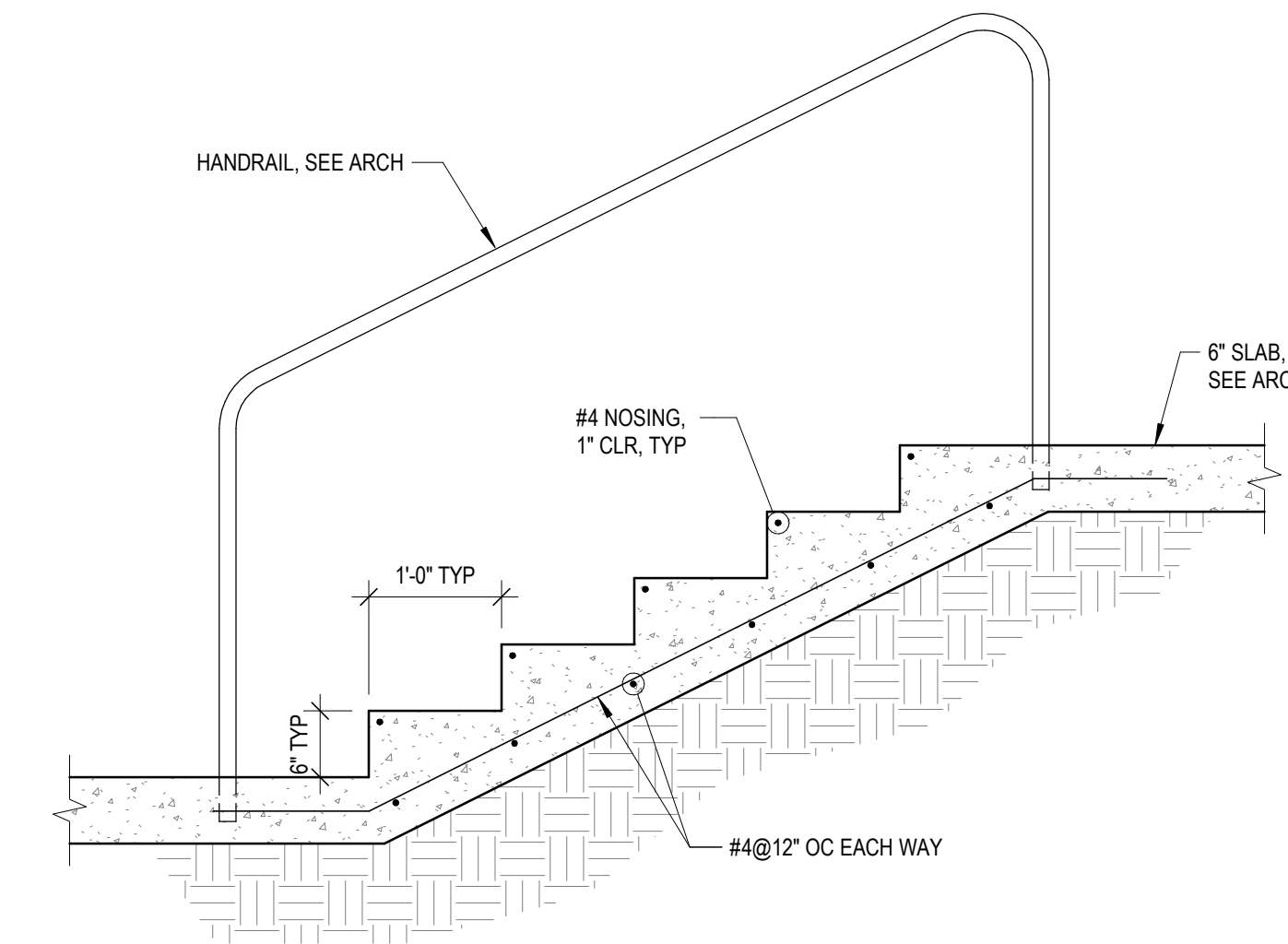
B4 MASONRY WALL ON CONCRETE FOOTING
3/4" = 1'-0"



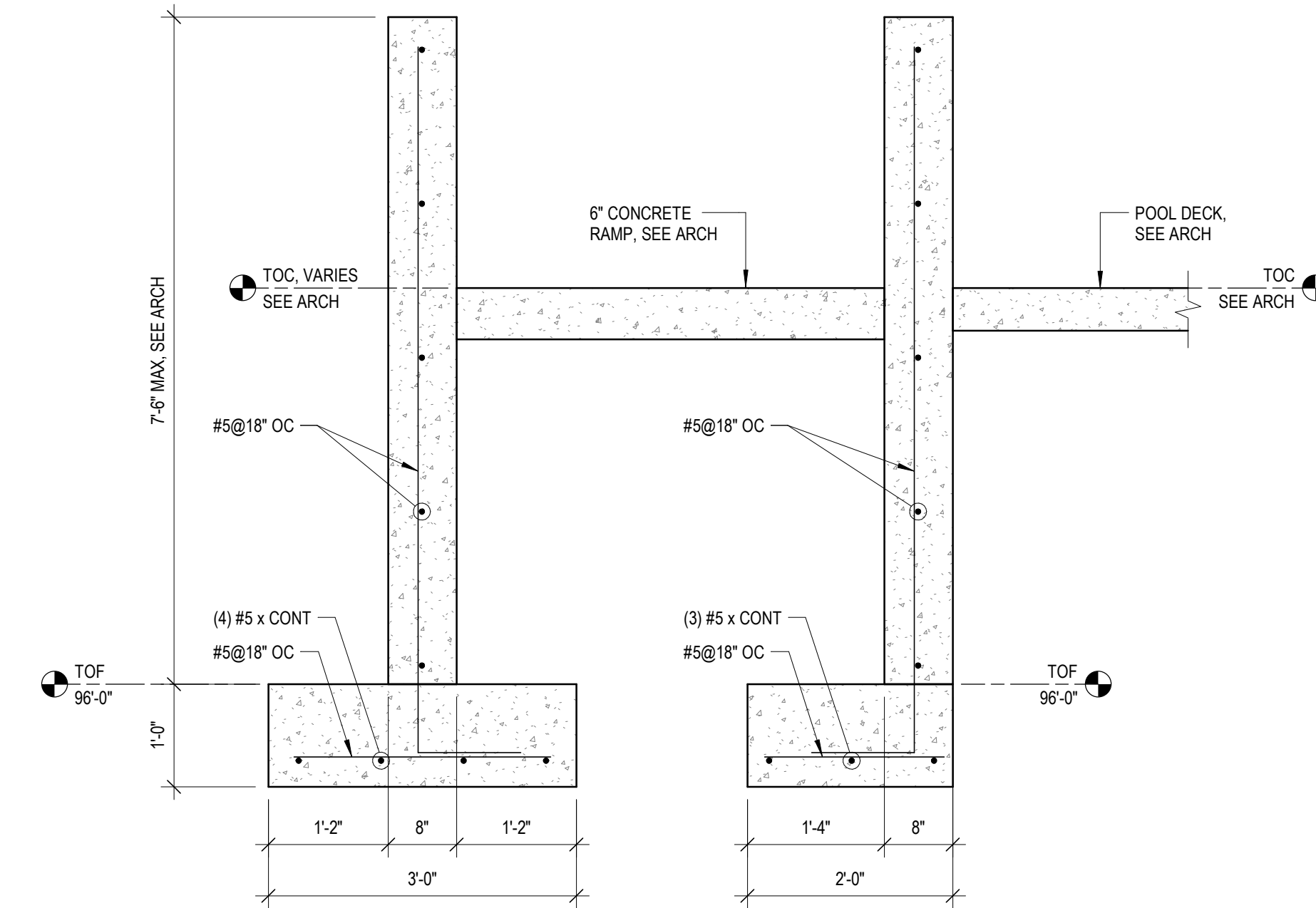
A4 SLAB ON GRADE CONTROL JOINT
1" = 1'-0"



D5 STAIR DETAIL
3/4" = 1'-0"



C5 RAMP WALL DETAIL
3/4" = 1'-0"



A5 DETAIL
3/4" = 1'-0"

