

SUNNYLAND PARK IMPROVEMENTS

THE CITY OF DAYTONA BEACH



PUBLIC WORKS DEPARTMENT
TECHNICAL SERVICES
950 BELLEVUE AVENUE
DAYTONA BEACH, FL 32114
P 386 671 8610
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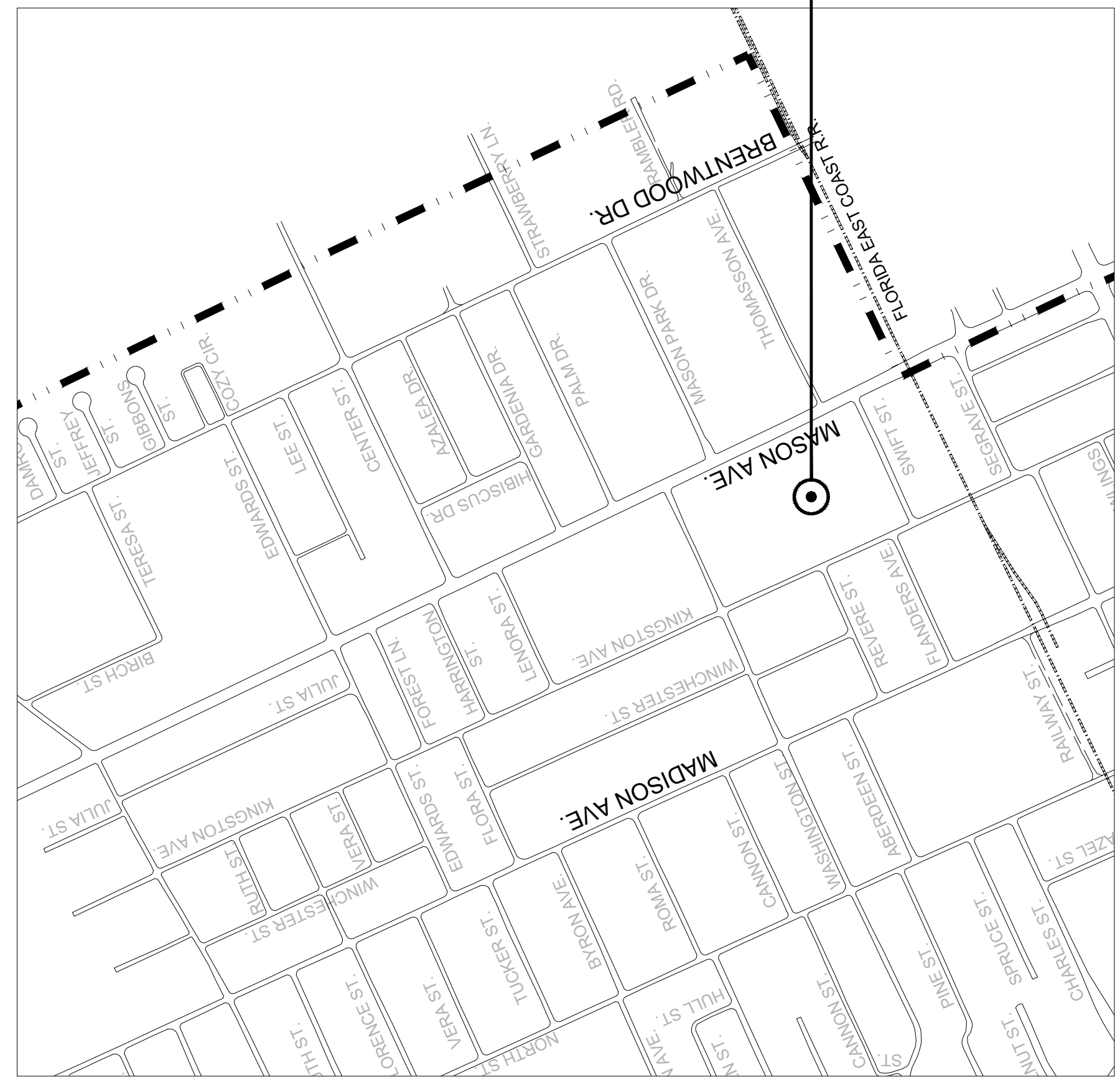
BRENT COHEN, ARCHITECT
FL LICENSE # AR93854

JAMES V. CHISHOLM
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BRENT COHEN

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

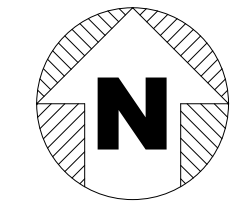
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PROJECT LOCATION



VICINITY MAP

SCALE: NTS



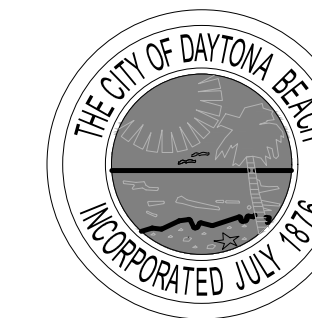
ISSUE	DATE
BID SET	4.24.19

BUILDING REMODEL, SITE IMPROVEMENTS AND PAVILIONS FOR SUNNYLAND PARK

825 WASHINGTON ST.
DAYTONA BEACH, FL
32114

SCALE:	AS NOTED
DRAWN:	BCC
CHECKED:	BCC
PROJECT NO:	2019-010

A0.1



GENERAL NOTES

GENERAL

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

SAFETY

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

WORK PRACTICES

- MATERIALS: ALL MATERIALS ARE ASSUMED TO BE NEW (U.O.N.).
- 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.
- LAYOUT: CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES DISCOVERED.
- 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.
- SITE CLEANING: CONTRACTOR TO CLEAN PREMISES AND REMOVE DEBRIS ON A REGULAR BASIS.
- UNEXPECTED CONDITIONS: CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONDITIONS WHICH ARE UNCOVERED WHICH DIFFER FROM WHAT IS SHOWN ON THESE DRAWINGS.
- CONTRACTOR TO COMPLY WITH LANDLORD WORK RULES

DRAWING SPECIFICITY

- 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.
- CONTRACTOR TO PROVIDE NECESSARY BACKING, BLOCKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL FIXTURES AND OTHER ITEMS REQUIRING SAME.
- 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.
- NOT ALL SYMBOLS SHOWN ARE USED.

PROJECT DATA

PROJECT ADDRESS

825 WASHINGTON STREET
DAYTONA BEACH, FL 32114

PARCEL NUMBER

38153301130022

LEGAL DESCRIPTION

THE WEST 450 FEET OF LOT 2, BLOCK 13, MAP OF KINGSTON, AS RECORDED IN MAP BOOK 3, PAGE 95, AKA MAP BOOK 15, PAGE 194, OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA. LESS THE NORTHERLY 10 FEET OF THE WEST 450 FEET OF SAID LOT 2, FOR PUBLIC ROAD PURPOSES.

PROJECT DESCRIPTION

ADDITION OF TWO STANDALONE STEEL PARK PAVILIONS WITH ASSOCIATED SIDEWALK CONNECTIONS AND LANDSCAPING. PROJECT ALSO INCLUDES A REMODEL OF EXISTING PARK BUILDING TO ACCOMMODATE TWO NEW ACCESSIBLE RESTROOMS.

AUTHORITY HAVING JURISDICTION

CITY OF DAYTONA BEACH

ZONING

R1B

CONSTRUCTION TYPE

TYPE-IIB (PAVILIONS AND (E) PARK BUILDING)

MAX BUILDING HT

35 FEET

OCCUPANCY

TYPE GROUP U FOR BUILDING
TYPE GROUP B FOR PAVILIONS

OCCUPANT LOAD

PER TABLE 1004.1.2 OF THE 2017 FBC

300SF PER OCCUPANT FOR RESTROOM / UTILITY SPACE

47/300 =1 OCCUPANT (RESTROOM)

49/300 =1 OCCUPANT (RESTROOM)

39/300 = 1 OCCUPANT (RESTROOM)

15 SF PER OCCUPANT FOR PAVILION SPACE

397/15 = 26 OCCUPANTS (PAVILION)

REQUIRED EXITS

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

FIRE-PROTECTION

N/A

PROJECT AREAS

TOTAL AREA OF NEW WORK = 135 SF (BUILDING REMODEL)
794 SF (TWO PAVILIONS)

ENERGY & ENVELOPE INFORMATION

RESTROOM SPACE WITHIN BUILDING IS INTENDED TO BE UNCONDITIONED SPACE. FLORIDA BUILDING CODE ENERGY REQUIREMENTS ARE NON APPLICABLE.

APPLICABLE CODES

OCCUPANCY CLASSIFICATION (SECTION 302 / 307)

GROUP U

ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503)

NO MODIFICATIONS OF EXISTING BUILDING FOOTPRINT OR CAPACITY IS PROPOSED

TYPE OF CONSTRUCTION (SECTION 602)

TYPE IIB

BUILDING AREA TABULATION:

PROPOSED RESTROOM 101	=	47 S.F.
PROPOSED RESTROOM 102	=	49 S.F.
REMODELED STORAGE ROOM	=	39 S.F.
EXTERIOR PAVILIONS	=	397 S.F.
TOTAL	=	532 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
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STRUCTURAL ENGINEER

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

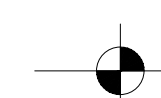
GENERAL CONTRACTOR

TBD

GRAPHICS



North Arrow



Datum or Bench Mark
Floor Elevation



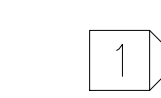
Column Grid Symbols



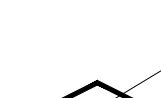
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2



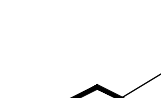
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1/A4.1



1/A4.1



1/A4.11



1/A4.11



1



A5.1



2



A2.0



Revision Indicator



Area of Revision

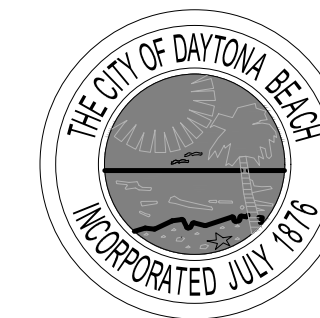
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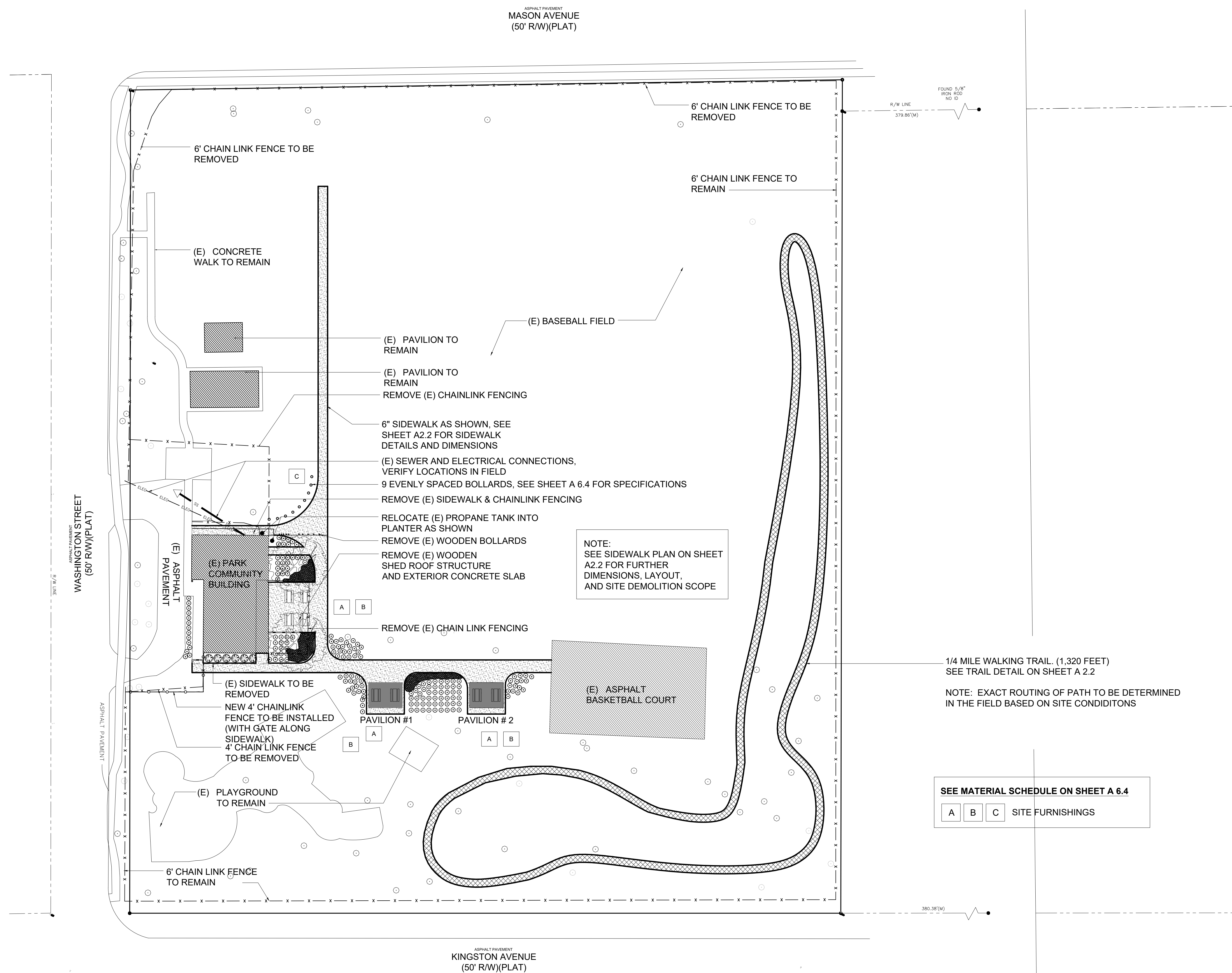


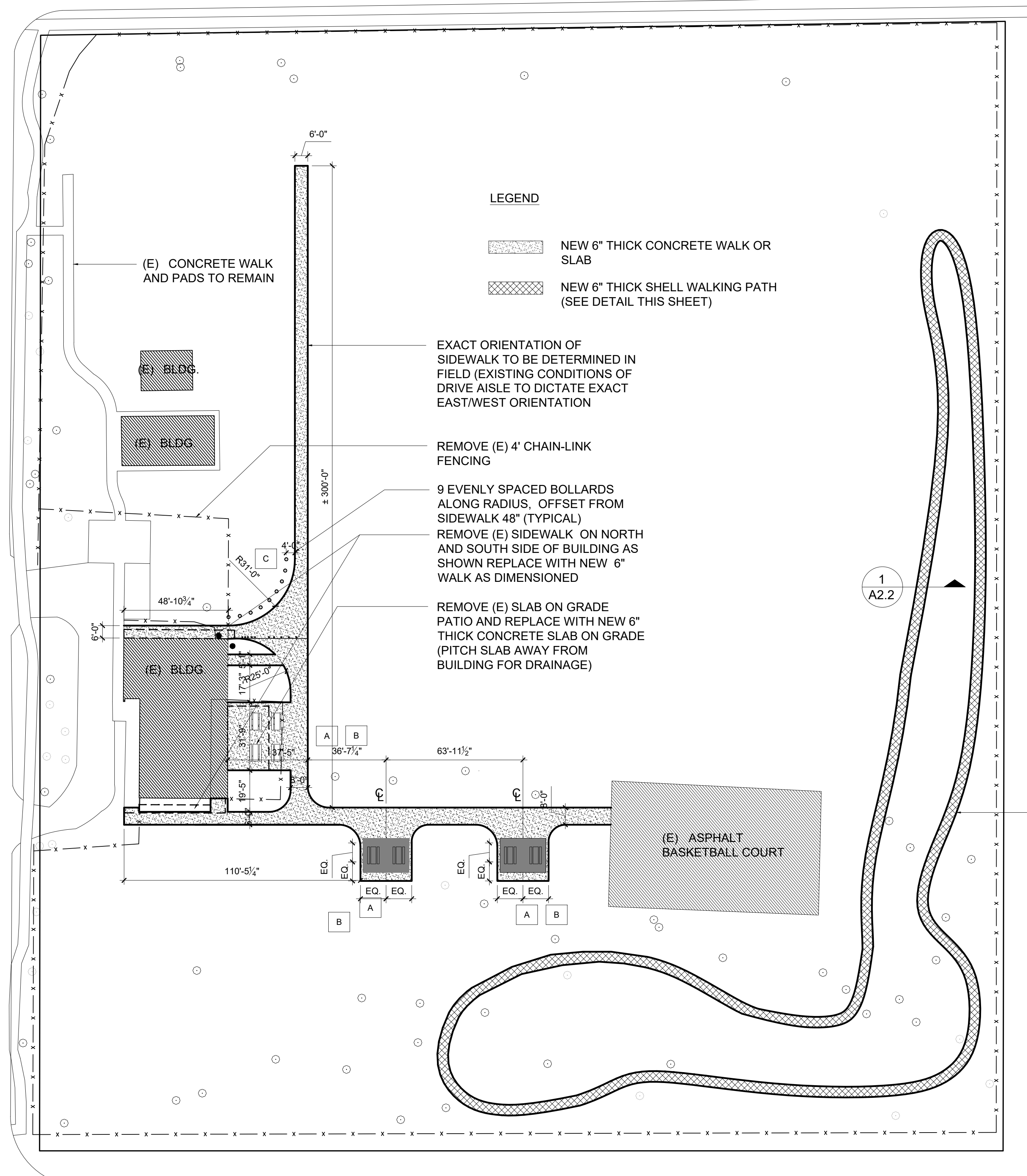
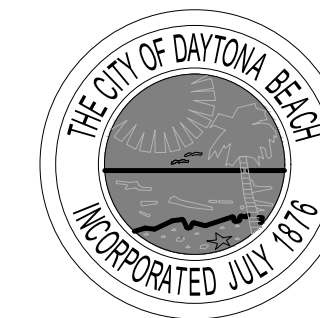
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- LEGEND**
- NEW 6" THICK CONCRETE WALK OR SLAB
 - NEW 6" THICK SHELL WALKING PATH (SEE DETAIL THIS SHEET)

EXACT ORIENTATION OF SIDEWALK TO BE DETERMINED IN FIELD (EXISTING CONDITIONS OF DRIVE AISLE TO DICTATE EXACT EAST/WEST ORIENTATION)

REMOVE (E) 4' CHAIN-LINK FENCING

9 EVENLY SPACED BOLLARDS ALONG RADIUS, OFFSET FROM SIDEWALK 48" (TYPICAL)

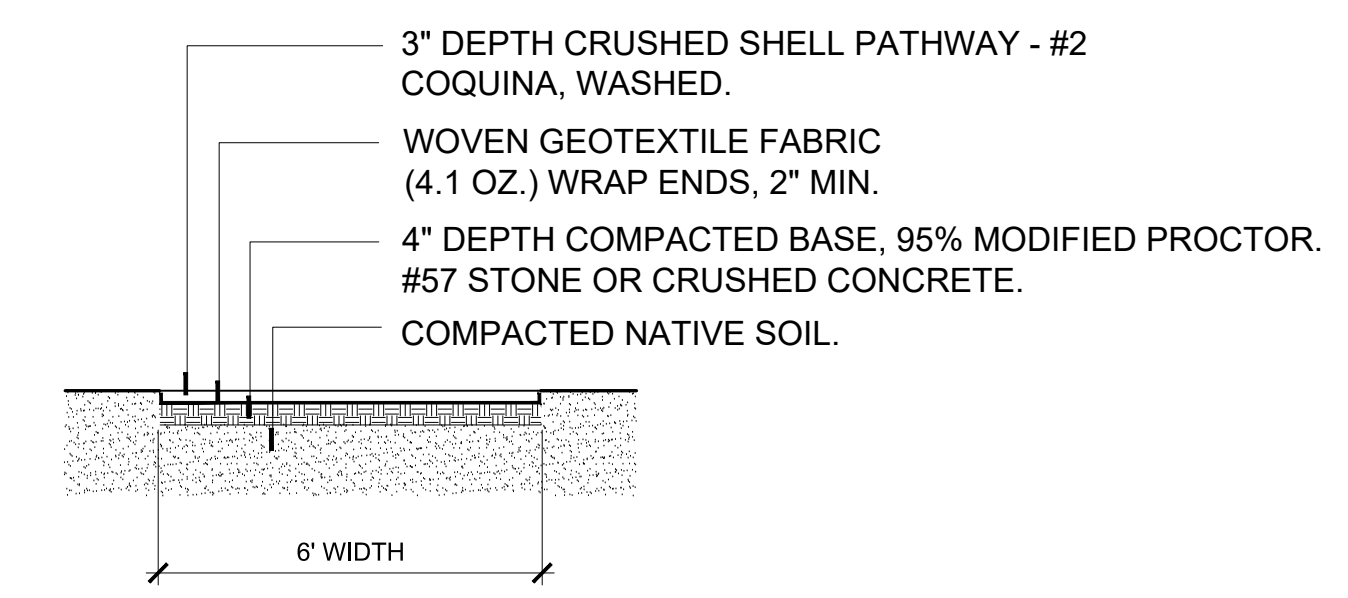
REMOVE (E) SIDEWALK ON NORTH AND SOUTH SIDE OF BUILDING AS SHOWN REPLACE WITH NEW 6" WALK AS DIMENSIONED

REMOVE (E) SLAB ON GRADE PATIO AND REPLACE WITH NEW 6" THICK CONCRETE SLAB ON GRADE (PITCH SLAB AWAY FROM BUILDING FOR DRAINAGE)

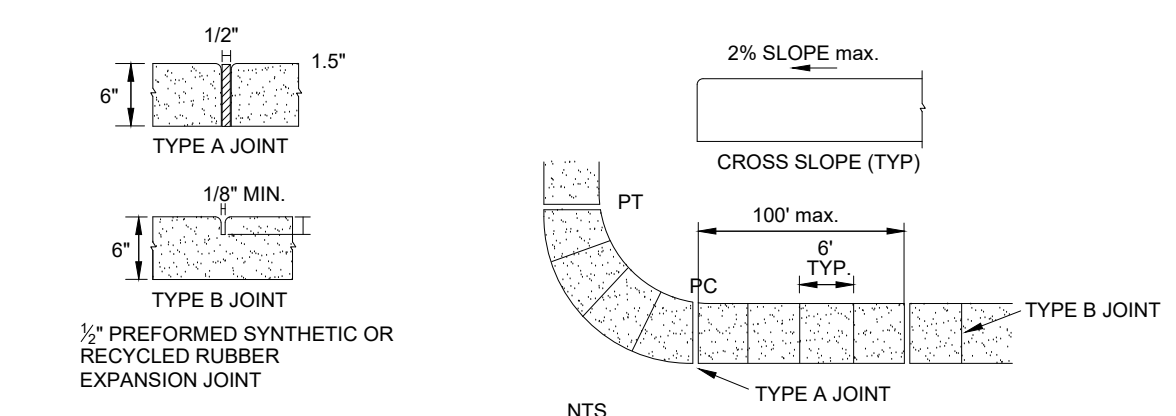
1/4 MILE WALKING TRAIL. (1,320 FEET) SEE TRAIL DETAIL THIS SHEET

NOTE: EXACT ROUTING OF PATH TO BE DETERMINED IN THE FIELD BASED ON SITE CONDITIONS

LAYOUT NOTES:
HARDSCAPE AND MAJOR LANDSCAPE FEATURES TO BE STAKED IN THE FIELD FOR REVIEW AND APPROVAL BY ARCHITECT PRIOR TO CONSTRUCTION
CONTRACTOR SHALL OBTAIN AND UTILIZE AUTOCAD FILES PROVIDED BY THE ARCHITECT FOR LAYOUT OF ALL SITE ELEMENTS. ALL SITE ELEMENTS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ARCHITECT PRIOR TO FINAL INSTALLATION.



1 SHELL WALKING PATH
SCALE: 1/2" = 1'-0"



- NOTES:**
- 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".
 - ALL CURB CUTS AND HANDICAP RAMPS SHALL BE ADA COMPLIANT AND TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST EDITION.
 - 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.
 - CONTROL JOINTS (TYPE B JOINTS) SHALL BE TOOLED INTO THE FRESH CONCRETE OR SAW CUT INTO CURED CONCRETE TO A DEPTH EQUAL TO 1/2 THE SLAB THICKNESS AND SPACED APART A DISTANCE EQUAL TO THE WIDTH OF THE SLAB OR 5' WHICHEVER IS LESS.
 - 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.
 - 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.
 - 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 ADJUTING 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 AN ADDITIONAL COST TO THE OWNER. REPAIRS ARE NOT ACCEPTABLE.
 - 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.

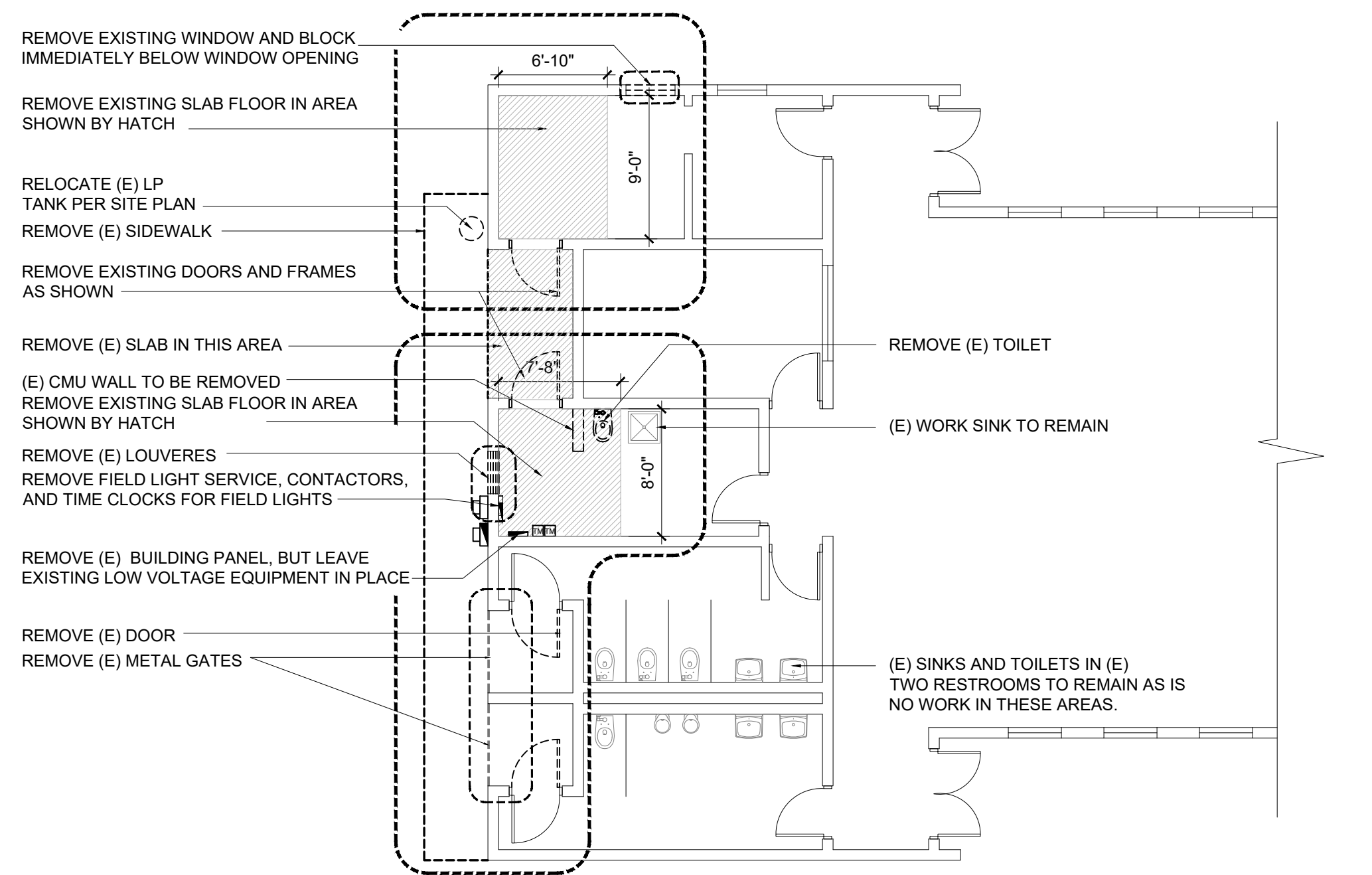
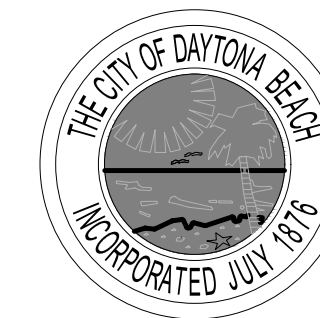
2 SIDEWALK DETAILS
SCALE: NTS

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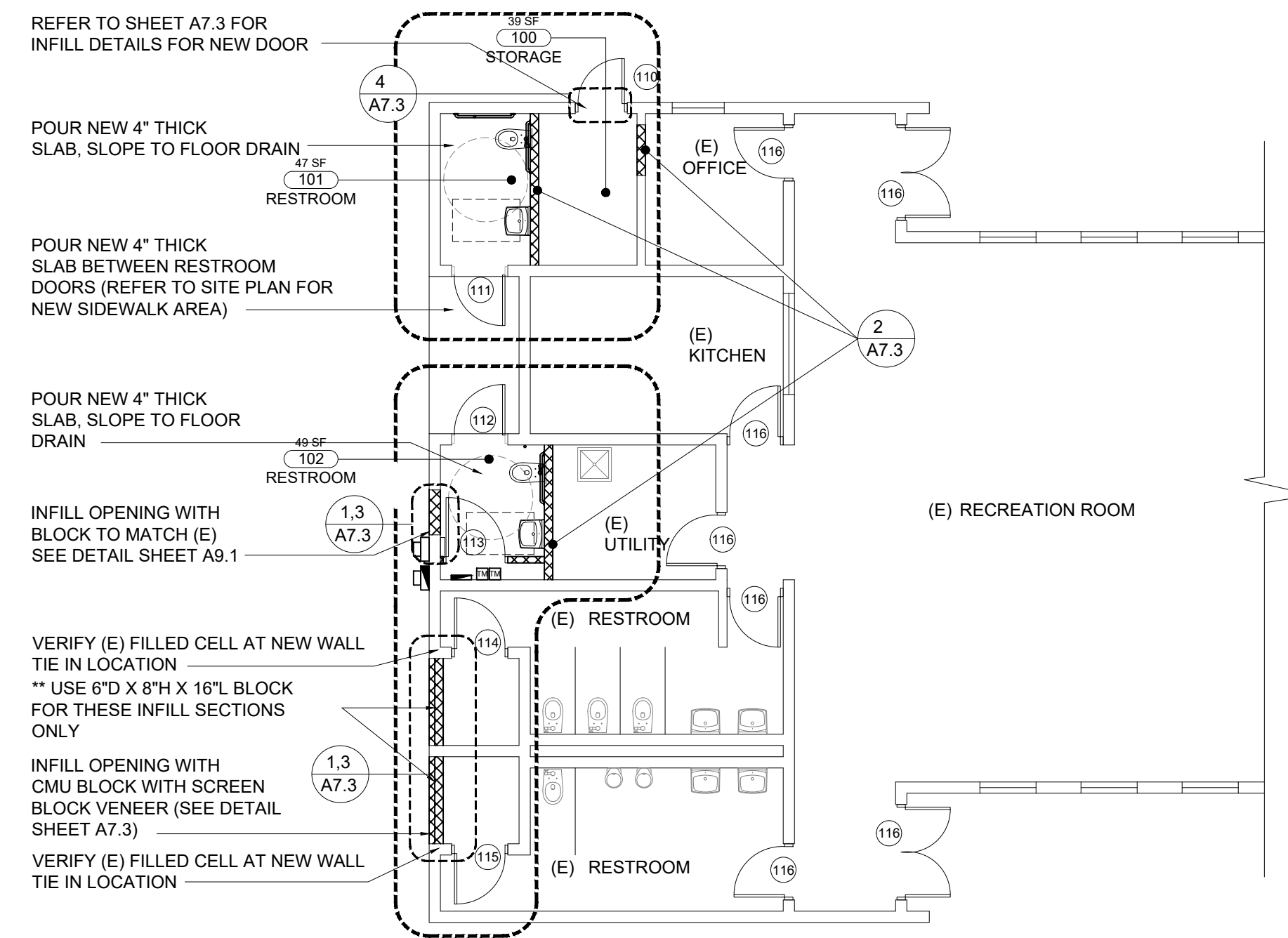
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DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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

DEMOLITION LEGEND

- EXISTING NON-RATED WALL TO REMAIN
- EXISTING DOOR ASSEMBLY TO REMAIN
- WALL TO BE DEMOLISHED BY CONTRACTOR

DEMOLITION NOTES

1. EXTENT OF DEMOLITION WORK IS INDICATED ON DRAWINGS.
2. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND BECOMES EXPOSED DURING DEMOLITION OPERATIONS.
3. CLEAN UP AND REPAIR: UPON COMPLETION OF DEMOLITION WORK, REMOVE TOOLS, EQUIPMENT AND DEMOLISHED MATERIALS FROM SITE. SATISFACTORILY REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED.
4. RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITION EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION WORK OR AS REQUIRED BY THESE PLANS AND ACCORDING TO SPECIFICATIONS.
5. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION. PATCH EXISTING WALLS & CEILING WHERE WALLS HAVE BEEN DEMOLISHED.

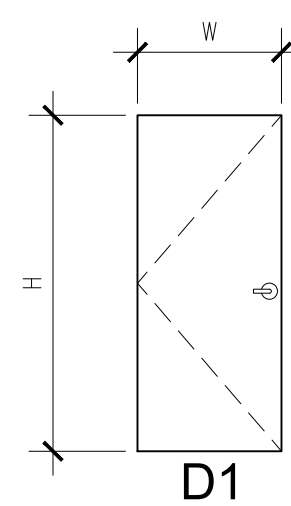
FLOOR PLAN NOTES

1. FOR FLOOR PLAN DIMENSIONS REFER TO SHEET A4.1

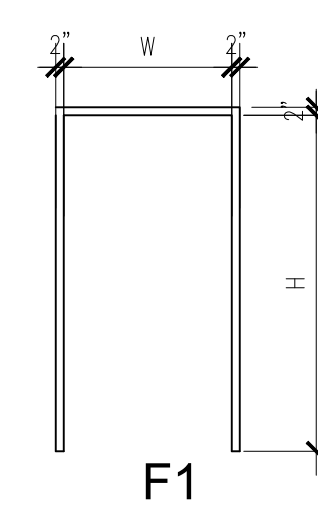
LEGEND

- EXISTING NON-RATED WALL
- NEW CMU WALL TO MATCH (E)

DOOR TYPE



FRAME TYPE



DOOR HARDWARE GROUPS

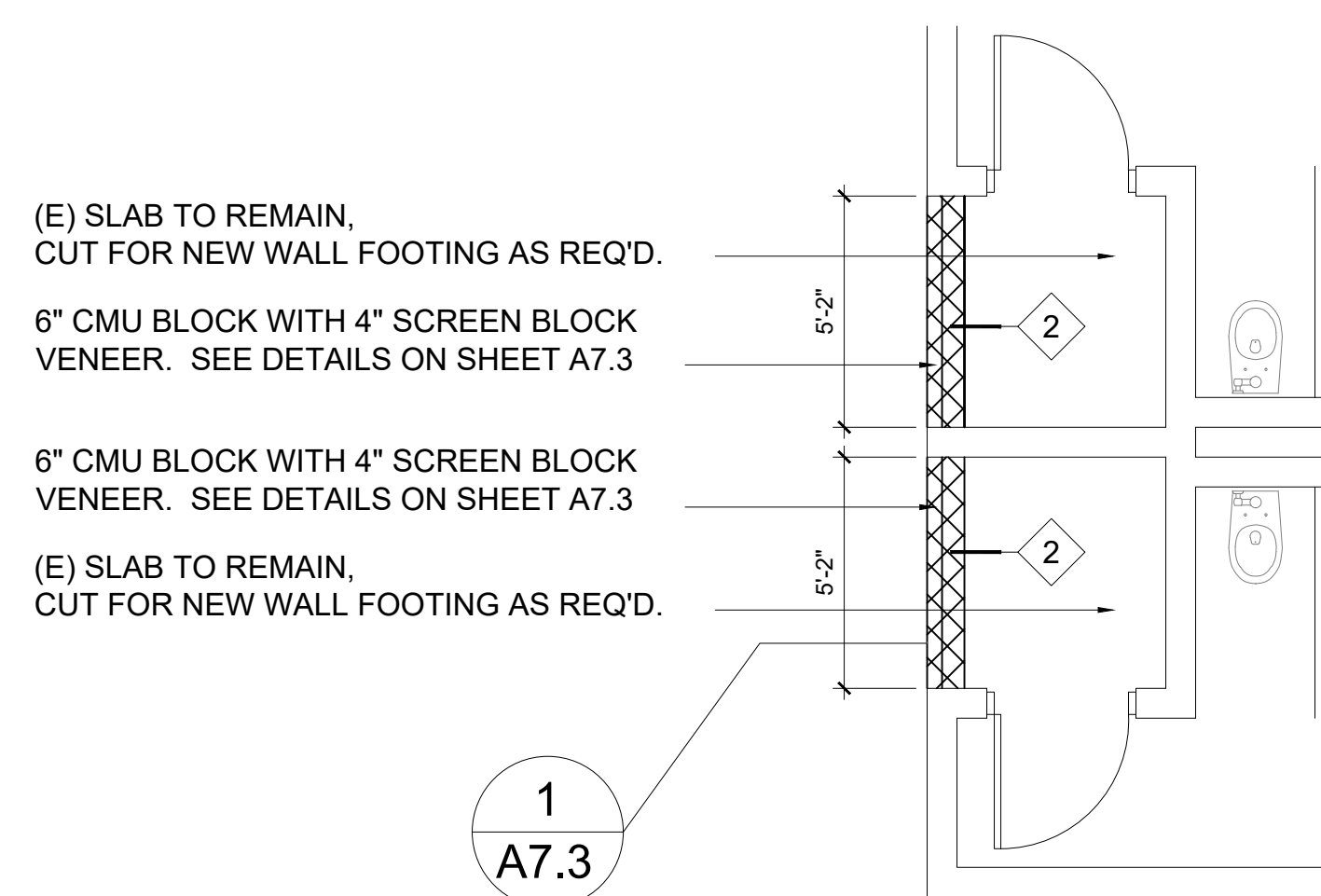
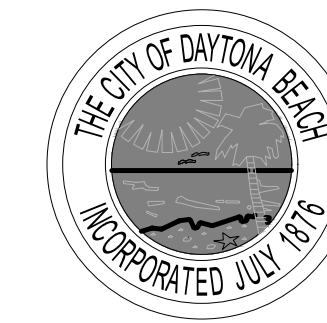
- HW-1 STOREROOM
3 HINGES
1 DOUBLE CYLINDER DEADBOLT
1 ENTRANCE LOCKSET
3 SILENCERS
1 SET THERMAL GASKETING
1 THRESHOLD
- HW-2 RESTROOM
3 HINGES
1 DOUBLE CYLINDER DEADBOLT
1 ENTRANCE LOCKSET (PRIVACY FUNCTION FOR RESTROOMS)
1 WALL STOP
1 THRESHOLD
1 THERMAL GASKET
1 COAT HOOK
1 10" KICK PLATE

- DOOR FRAMES: STEEL FRAMES, PAINTED TO MATCH WALL COLOR
- HINGES: FULL MORTISE, HEAVY DUTY HINGE, SATIN STAINLESS FINISH
- LOCKSET: YALE 8800 SERIES MORTISE LOCKSET (8802 SERIES FOR BATHROOM DOORS, THAMES TP TRIM) (8805 SERIES FOR STOREROOM AND ELECTRICAL ROOM, THAMES TP TRIM)
- FUNCTIONALITY: 1. EGRESS: ALL DOORS TO BE OPERABLE FROM INSIDE (ALONG DIRECTION OF EGRESS) WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. DOOR CLOSERS: SHALL BE LISTED TO ALLOW (3) SECONDS TO CLOSE FROM OPEN POSITION.
3. DOOR THRESHOLDS: SHALL BE A MAXIMUM OF 1/2" HEIGHT WITH A 1:2 VERTICAL TO HORIZONTAL BEVEL PROPORTION

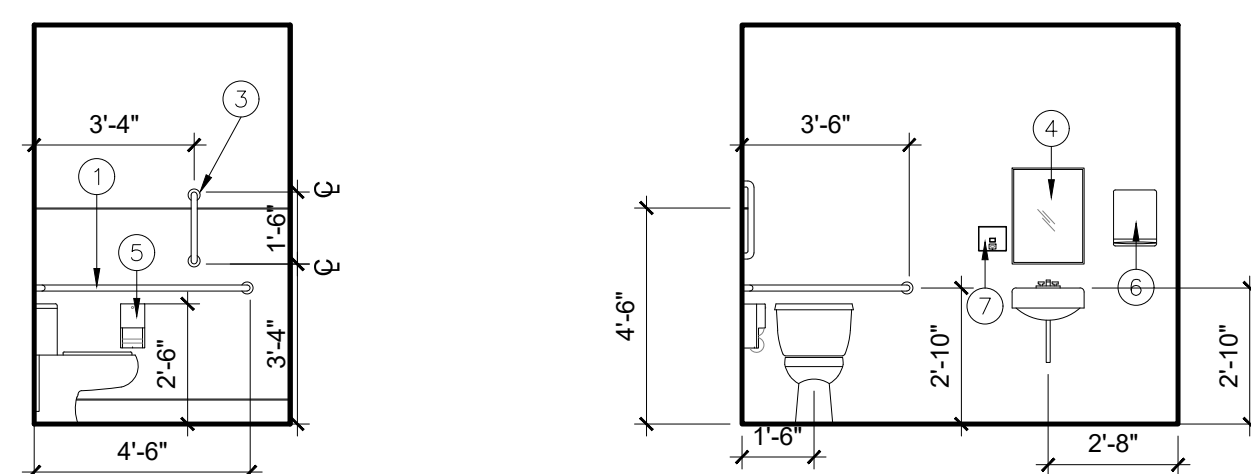
DOOR SCHEDULE												
SYMBOL	QUANTITY	MANUFACTURER	STYLE/SERIES	DOOR TYPE	FRAME TYPE	CONFIGURATION	SIZE		U-FACTOR	HARDWARE GROUP	NOTES	FINISH NOTES
							WIDTH	HEIGHT				
110	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-1	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
111	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-2	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
112	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-2	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
113	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-1	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
114	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-1	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
115	1	TBD	SLAB	D1 (HOLLOW METAL)	F1	SINGLE / HINGED	3'-0"	6'-8"	NA	HW-1	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)
116	1	EXISTING	SLAB	D1 (HOLLOW METAL)	F1	EXISTING	VARIES		NA	EXISTING	PRIMED / PAINTED (SPRAYED) SHERWIN WILLIAMS DURATION SW6718 PLEASE PROVIDE COLOR SAMPLE FOR APPROVAL	DOOR FRAME TO MATCH BUILDING COLOR (REFER TO FINISH SCHEDULE)

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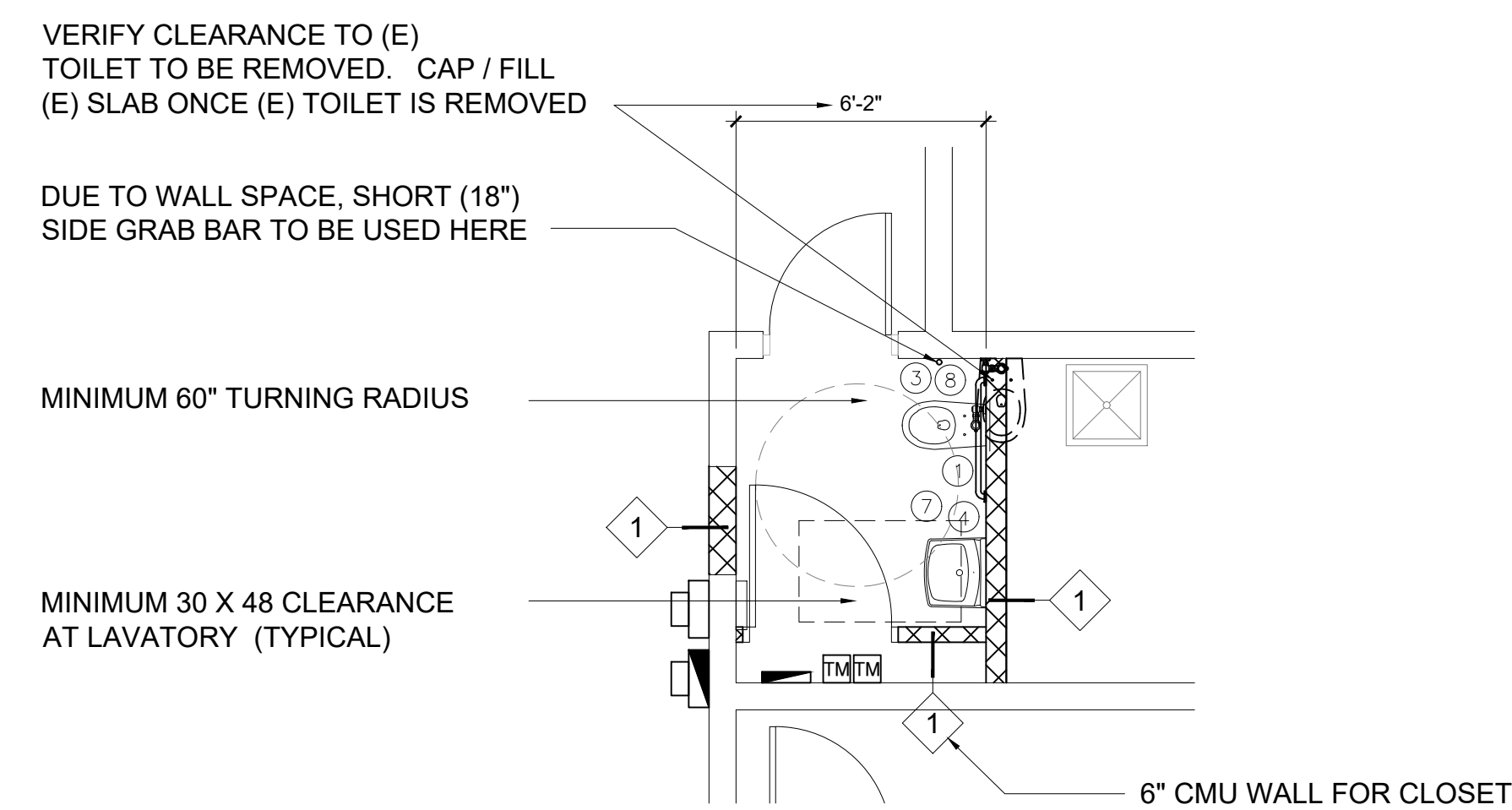
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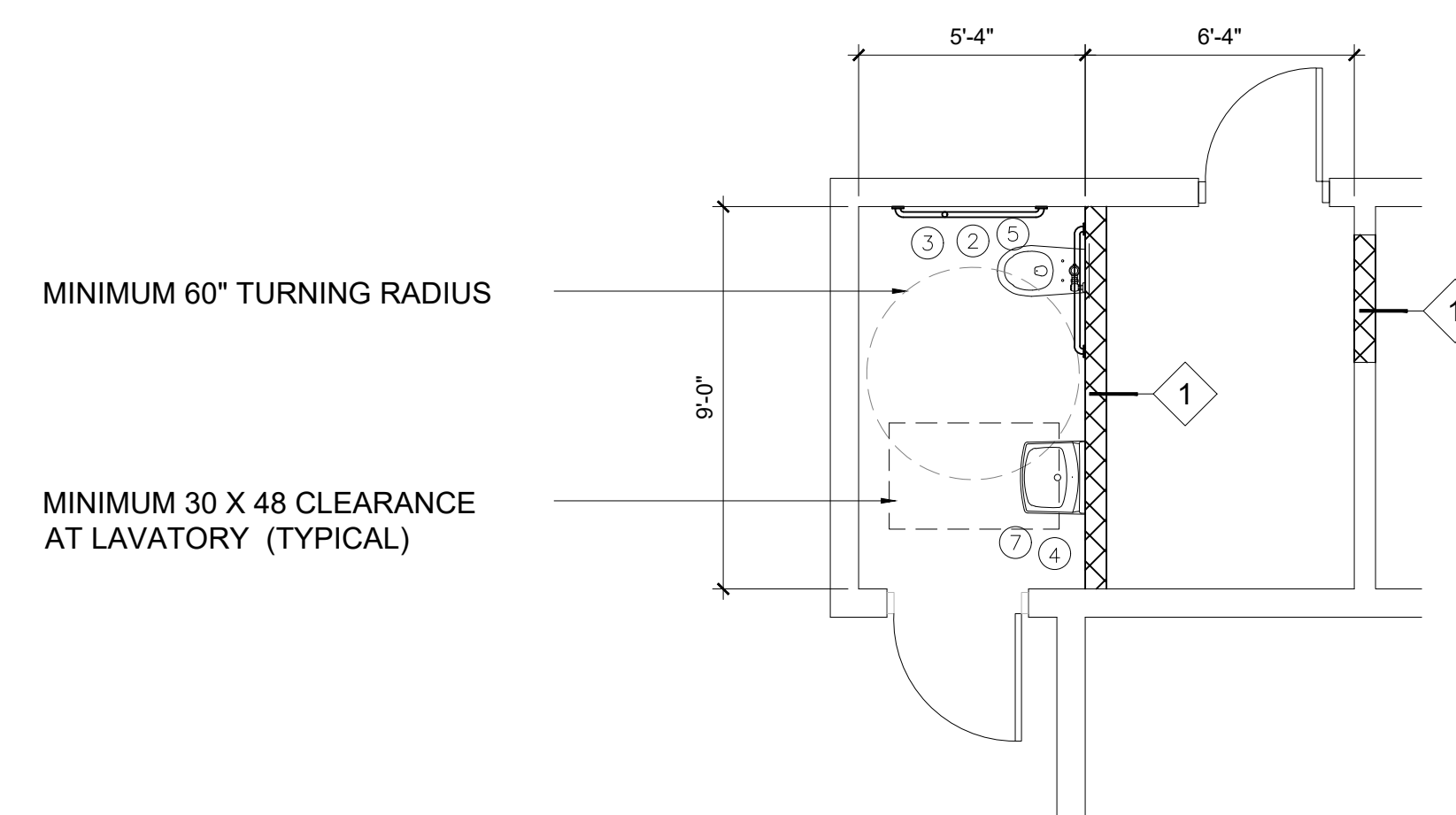
3 6" INFILL CMU @ (E) VESTIBULE
SCALE: 1/4" = 1'-0"



4 RESTROOM ELEVATIONS (TYPICAL) (V.I.F.)
SCALE: 1/4" = 1'-0"



1 RESTROOM PLAN RM. 101
SCALE: 1/4" = 1'-0"



2 RESTROOM PLAN RM. 101
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES

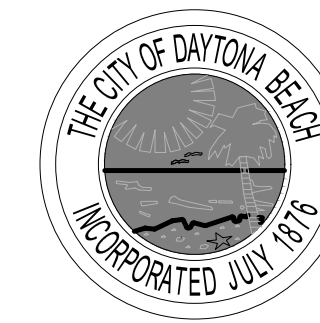
MARK	ITEM	MANUFACTURER MODEL AND FINISH
①	GRAB BAR / TOILET	BOBRICK 6806.99 X 36 1 PIECE
②	GRAB BAR / TOILET	BOBRICK 6806 1 1/2" DIA. 1 PIECE WRAPAROUND
③	GRAB BAR / VERTICAL	BOBRICK 5806 1-1/2" DIA. , 18" VERTICAL
④	MIRROR	BOBRICK B-1556. S.S. MIRROR
⑤	TOILET PAPER HOLDER	BOB2888 (STAINLESS STEEL)
⑥	SURFACE MOUNTED TOWEL DISPENSER	BOBRICK B-262
⑦	SOAP DISPENSER	BRADLEY MODEL 648 BULB SOAP DISPENSER
⑧	GRAB BAR (SMALL)	BOBRICK B-6806.99 18" GRAB BAR

ISSUE	DATE
BID SET	4.24.19

**BUILDING
REMODEL, SITE
IMPROVEMENTS
AND PAVILIONS
FOR
SUNNYLAND
PARK**

825 WASHINGTON ST.
DAYTONA BEACH, FL
32114

SCALE: AS NOTED
DRAWN: BCC
CHECKED: BCC
PROJECT NO: 2019-010



SITE FURNISHING SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH	REMARKS
A	LANDSCAPE FORMS	MODEL: MULTIPLICITY TABLE	8	FRAME FINISH SILVER / IPE WOOD	ALL BENCHES AND TABLES TO BE FASTENED PER MANUFACTURERS SPECIFICATIONS
B	LANDSCAPE FORMS	MODEL: MULTIPLICITY BENCH	16	FRAME FINISH SILVER / IPE WOOD	ALL BENCHES AND TABLES TO BE FASTENED PER MANUFACTURERS SPECIFICATIONS
C	WAUSAU MADE	MODEL: TF6019 BOLLARD	9	A23 GRAY	INSTALL PER MANUFACTURER'S SPECIFICATIONS

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

FINISH SCHEDULE														
LOCATION	FLOORING		BASE	WALLS	STEEL PAVILIONS	EXTERIOR TRIM		DOOR TRIM	CEILING					
	FINISH / NOTE	FE-1		PT-1 NOTE 1	PT-3	PT-5	PT-2	PT-1	PT-1					
WALL DESIGNATION	MATERIAL	CONCRETE SLAB (EXISTING)	EPOXY PAINT FINISH	WALL DESIGNATION	NONE	PAINTED CMU	PAINTED STEEL STRUCTURE	PAINTED EXPOSED WOOD FASCIA	EXISTING ROOF DRIP EDGE	HOLLOW METAL FRAME NEW + EXISTING	5/8" GYPSUM BOARD	ORANGE PEEL FINISH, PAINTED	EXISTING TECTUM / CONC. BEAM	POLYURETHANE CLEAR FINISH
PAVILION				A B C D	• • • •		• • • •						• • • •	
RECREATION BUILDING EXTERIOR				A B C D	• • • •			• • • •					• • • •	
STORAGE 100		•		A B C D	• • • •			• • • •					• • • •	
RESTROOM 101			•	A B C D	• • • •			• • • •					• • • •	
RESTROOM 102			•	A B C D	• • • •			• • • •					• • • •	

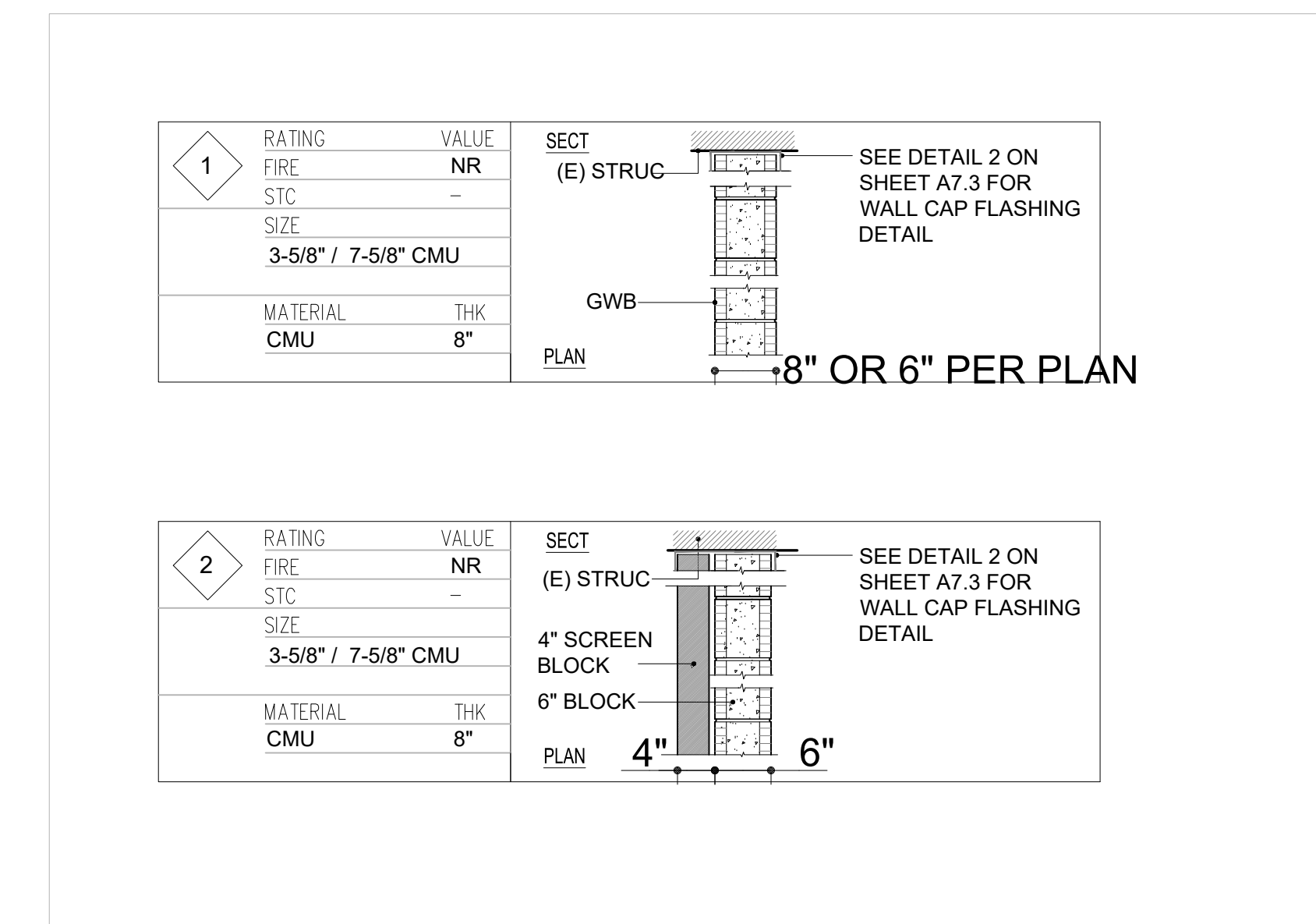
MATERIAL LEGEND NOTES:

- PT-1 SHERWIN WILLIAMS DURATION ALABASTER #SW7008 MATTE (INTERIOR) MATTE (EXTERIOR) OR APPROVED EQUAL
- PT-2 SHERWIN WILLIAMS DURATION STEELY GRAY #SW7664 MATTE (EXTERIOR) OR APPROVED EQUAL
- PT-3 SHERWIN WILLIAMS DURATION BILLOWY BREEZE #SW9055 (EXTERIOR) MATTE OR APPROVED EQUAL
- PT-4 SHERWIN WILLIAMS ENAMEL RETRO MINT #SW9036 (EXTERIOR) MATTE ENAMEL (FOR DOORS) OR APPROVED EQUAL
- PT-5 OSO OIL CLEAR UV PROTECTION (SATIN SHEEN) OR APPROVED EQUAL


FE-1 HIGH SOLIDS TWO PART FLOOR EPOXY (COLOR TO BE DETERMINED)

1. SCREEN BLOCK ON NORTH SIDE OF RECREATION BUILDING TO BE PAINTED BEFORE INSTALLATION AND RECOATED AFTER INSTALLATION (COLOR TO BE PT-3)

WALL TYPES



WALL TYPE NOTES

1. A PARTITION TYPE IS INDICATED BY THE  SYMBOL CONTAINING THE PARTITION IDENTIFICATION NUMBER. THIS NUMBER REFERS TO A SPECIFIC ASSEMBLY IN THE PARTITION SCHEDULE. THESE PARTITION TYPES CONTINUE BETWEEN CORNERS, OR ON THE SIDE WHICH SYMBOL APPEARS, TO ANY INTERSECTING PARTITION.
2. THE PARTITION TYPE ABOVE OR BELOW (OR ON EITHER SIDE OF A PARTICULAR OPENING) IS TO BE THE SAME AS THAT SCHEDULED FOR EITHER SIDE OF THE OPENING (U.O.N.).
3. DIFFERING PARTITION TYPES SHALL ALIGN SO THAT WALL PLANES CONTINUE UNBROKEN IN ROOMS (U.O.N.).

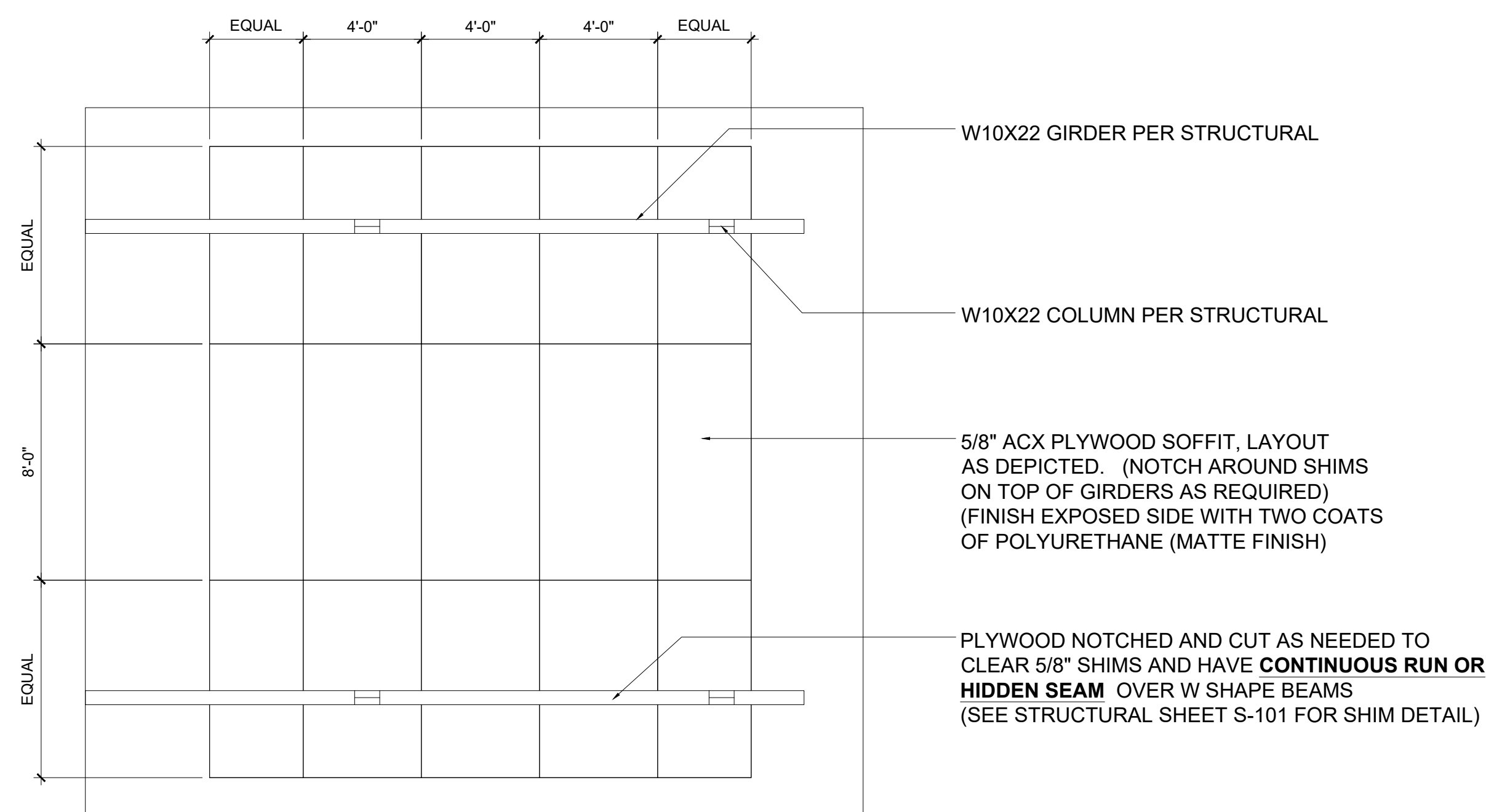
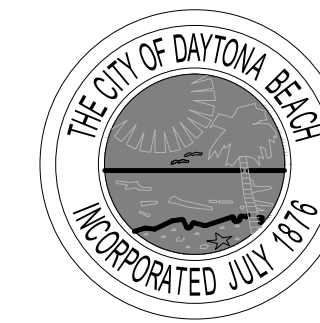
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BUILDING REMODEL, SITE IMPROVEMENTS AND PAVILIONS FOR SUNNYLAND PARK

825 WASHINGTON ST.
DAYTONA BEACH, FL
32114

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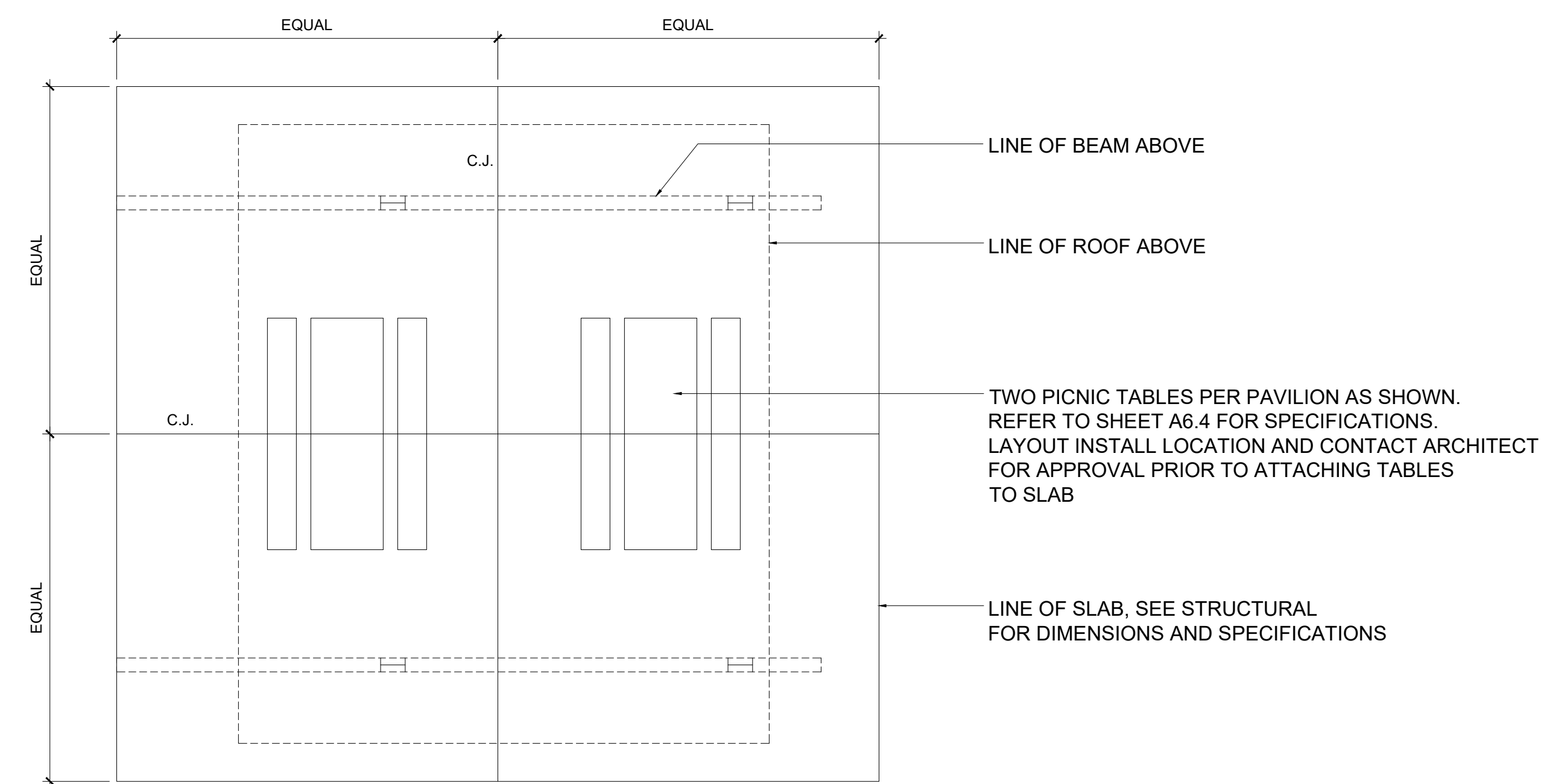
A 6.4



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

REFLECTED CEILING PLAN NOTES

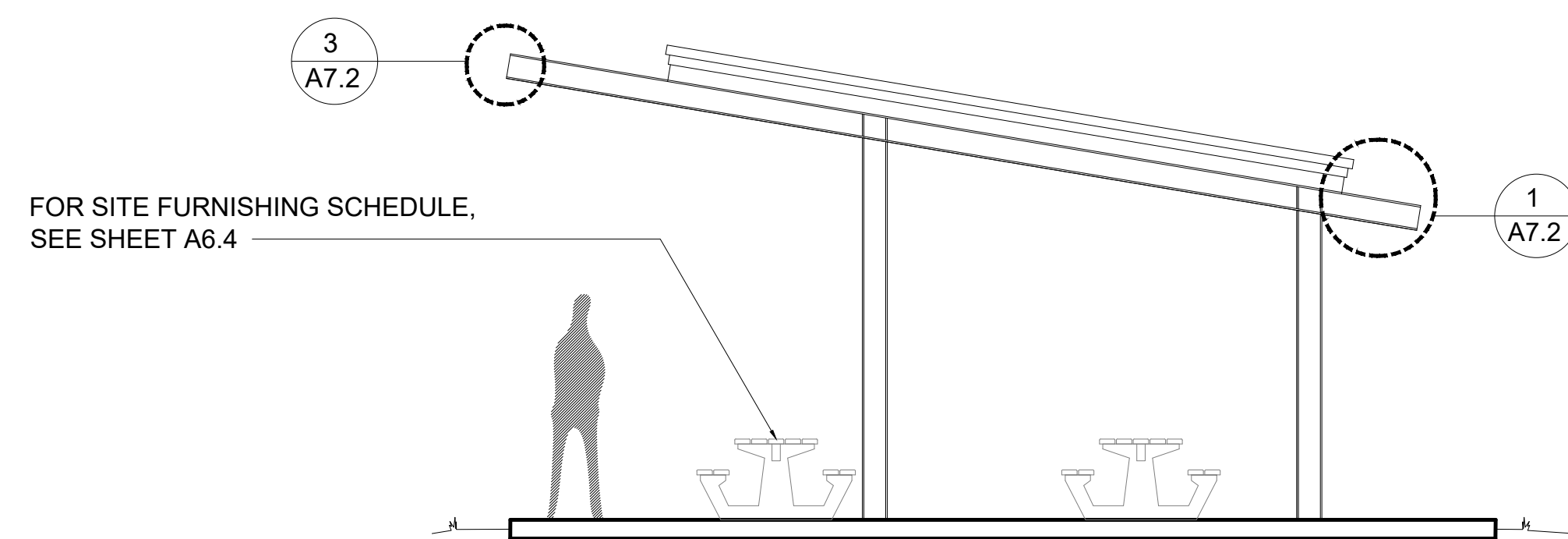
1. ALIGN PLYWOOD FOR CONSISTENT SCREW PATTERN AS NEEDED
2. SELF TAPPING TAPERED HEAD S.S. #10 SCREWS TO BE USED TO FASTEN PLYWOOD SOFFIT



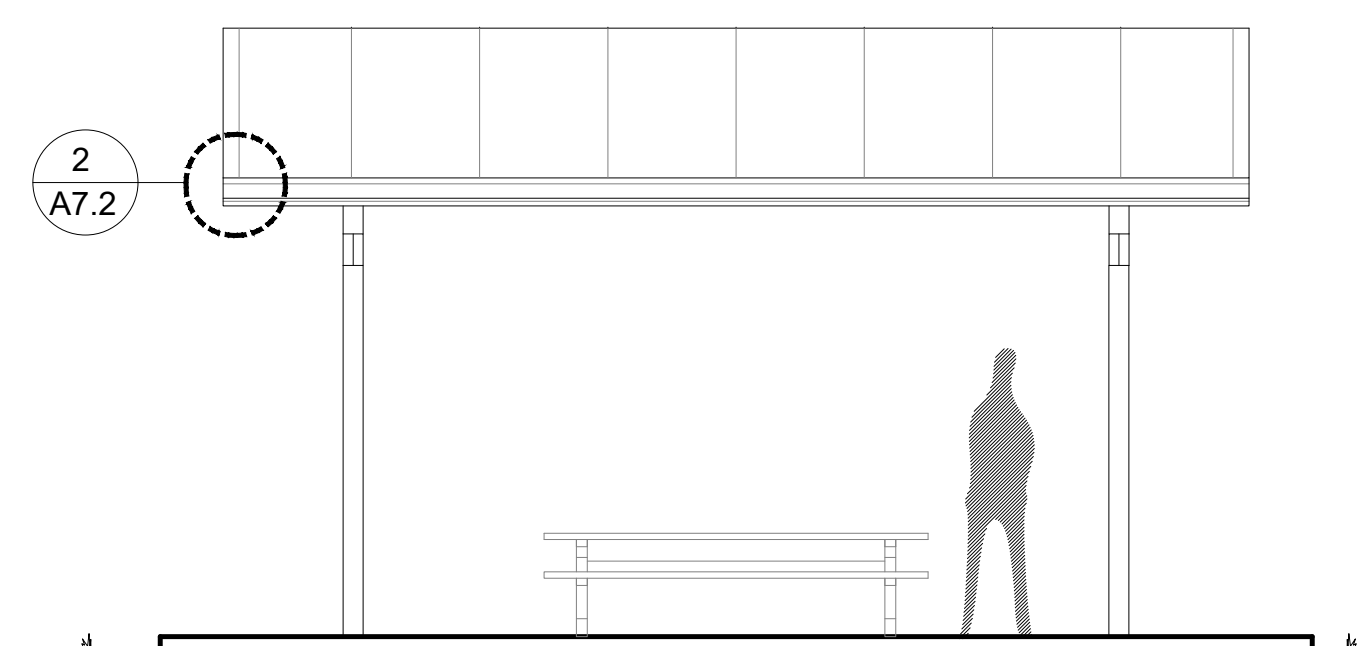
PAVILION FLOOR PLAN
SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

1. FOR FLOOR PLAN DIMENSIONS REFER TO SHEET S101



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



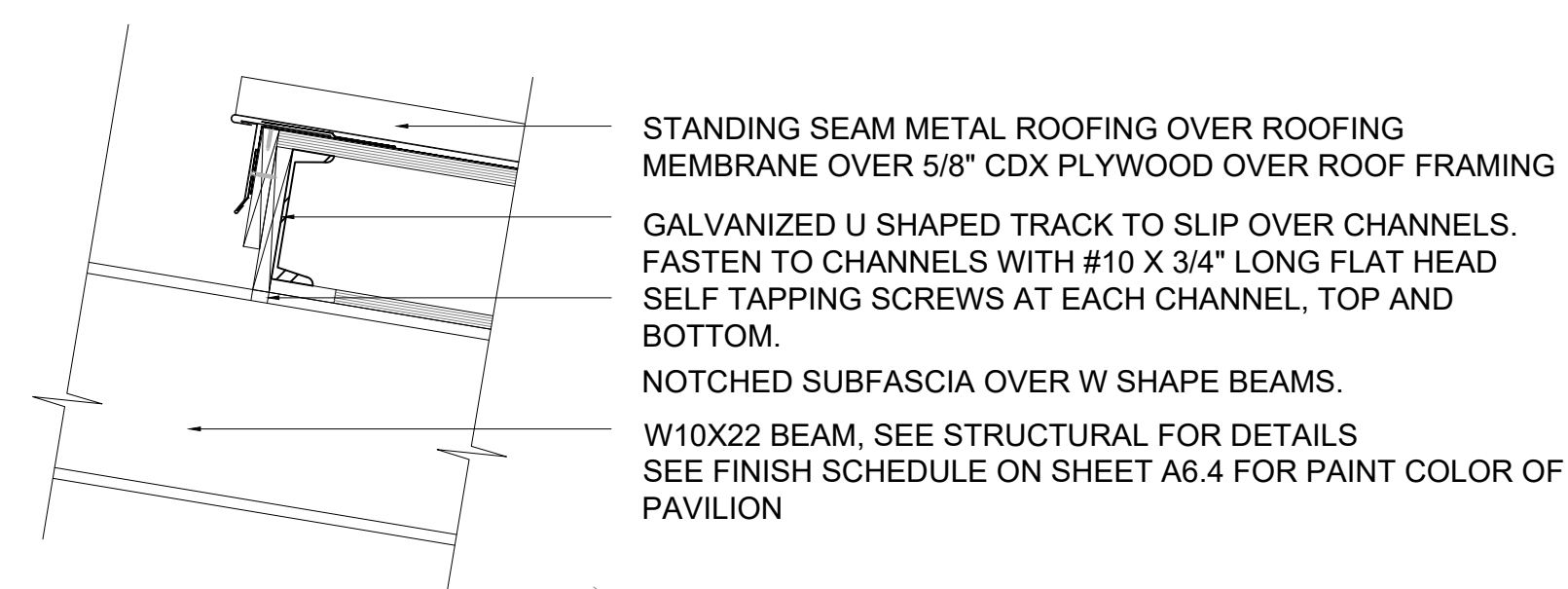
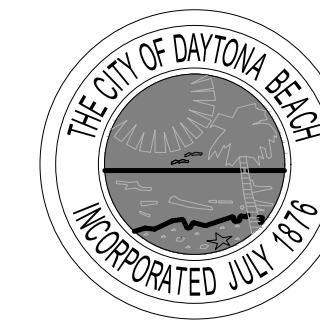
1 PAVILION ELEVATION
1/4" = 1'-0"

ISSUE	DATE
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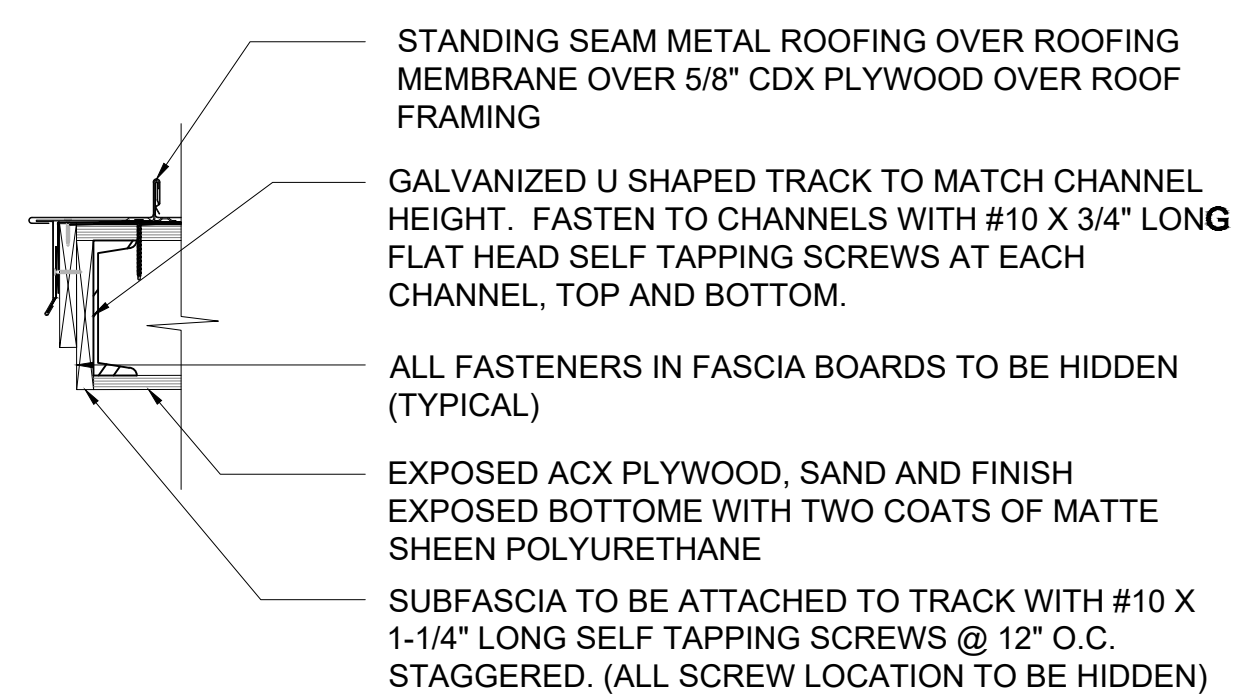
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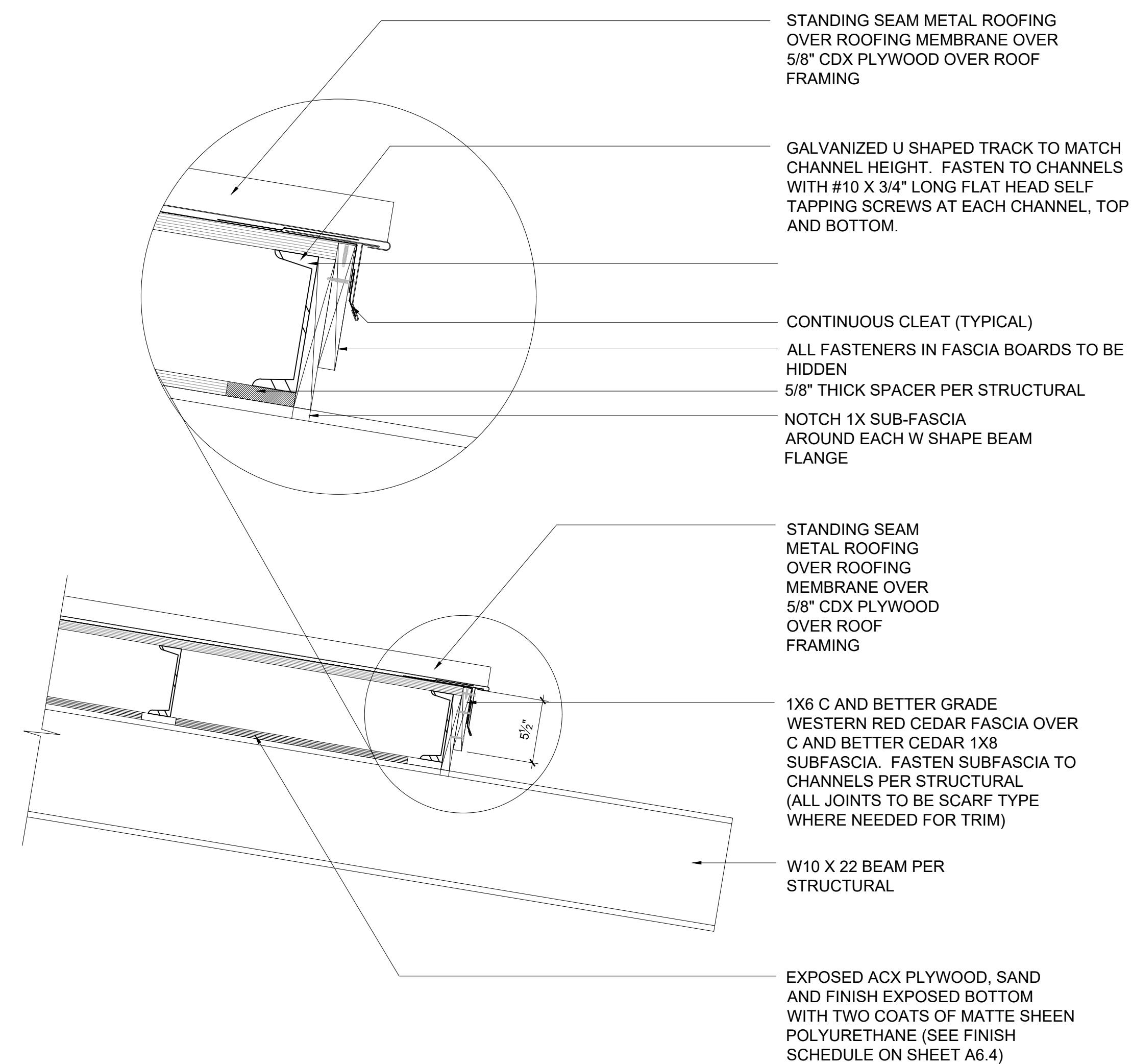
SCALE:	AS NOTED
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3 ROOF EDGE UPPER DETAIL
SCALE: 1-1/2" = 1'-0"



2 EAVE
SCALE: 1-1/2" = 1'-0"



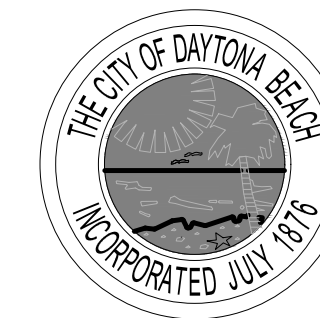
1 ROOF EDGE LOWER DETAIL
SCALE: 1-1/2" = 1'-0"

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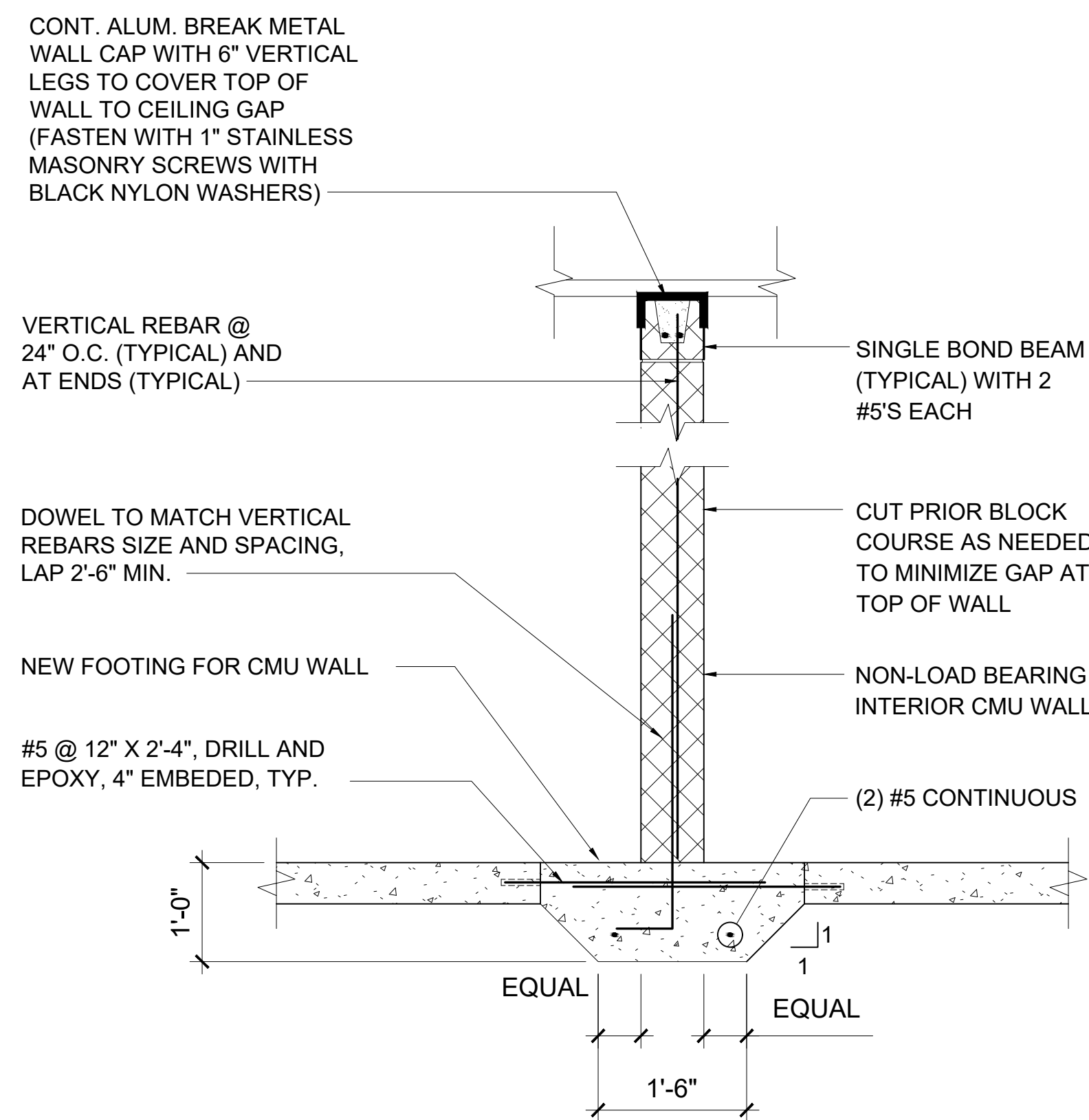
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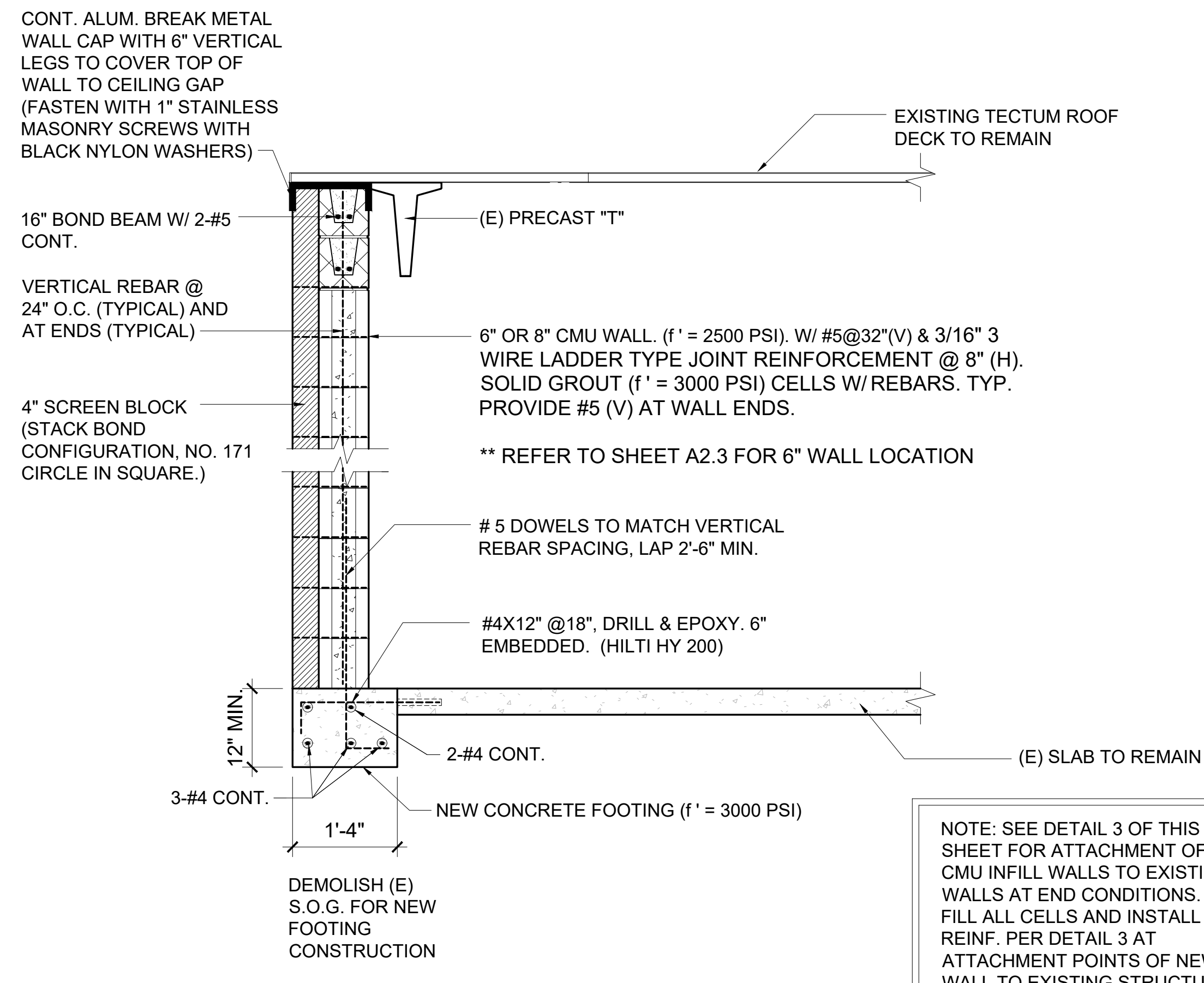
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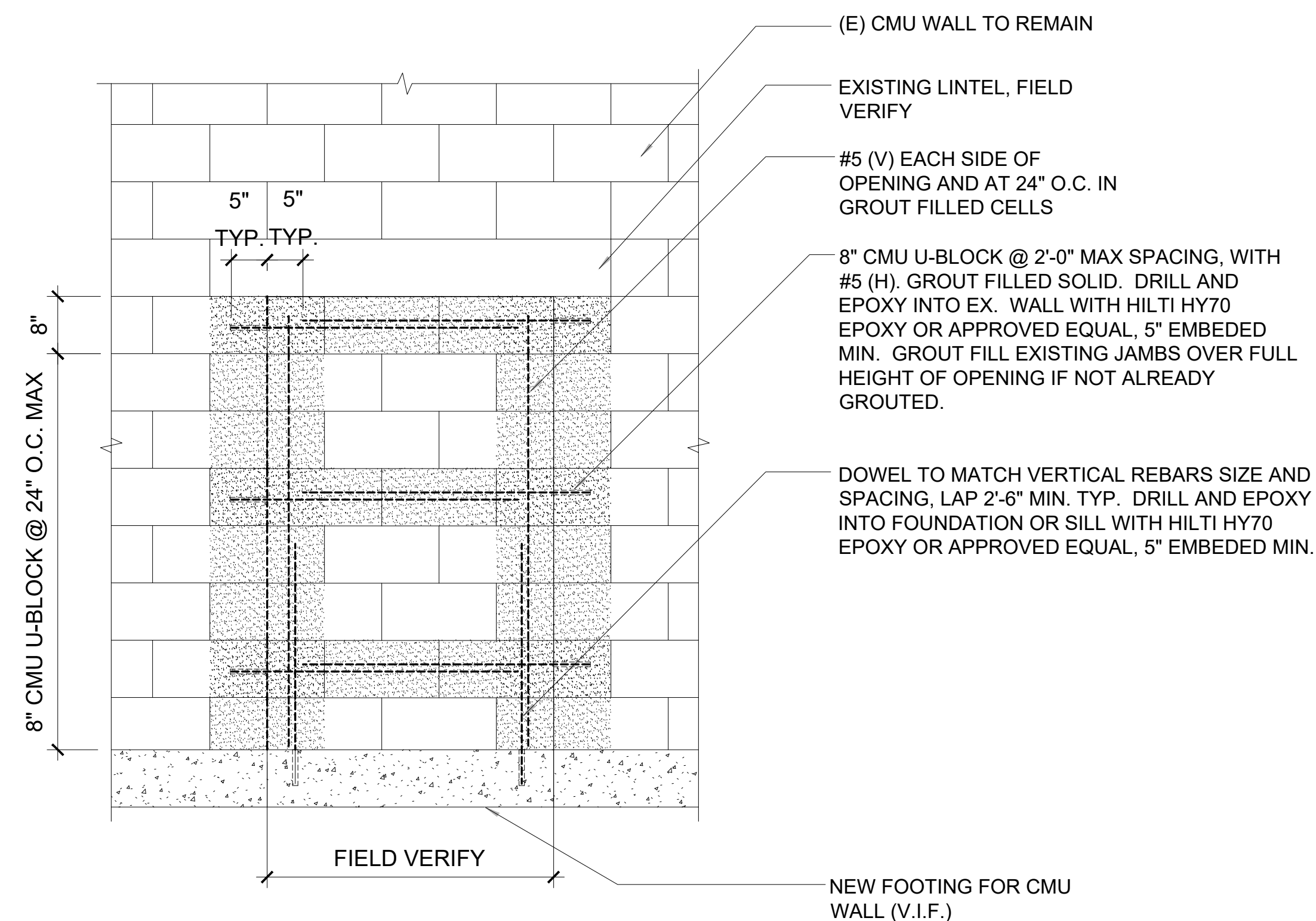
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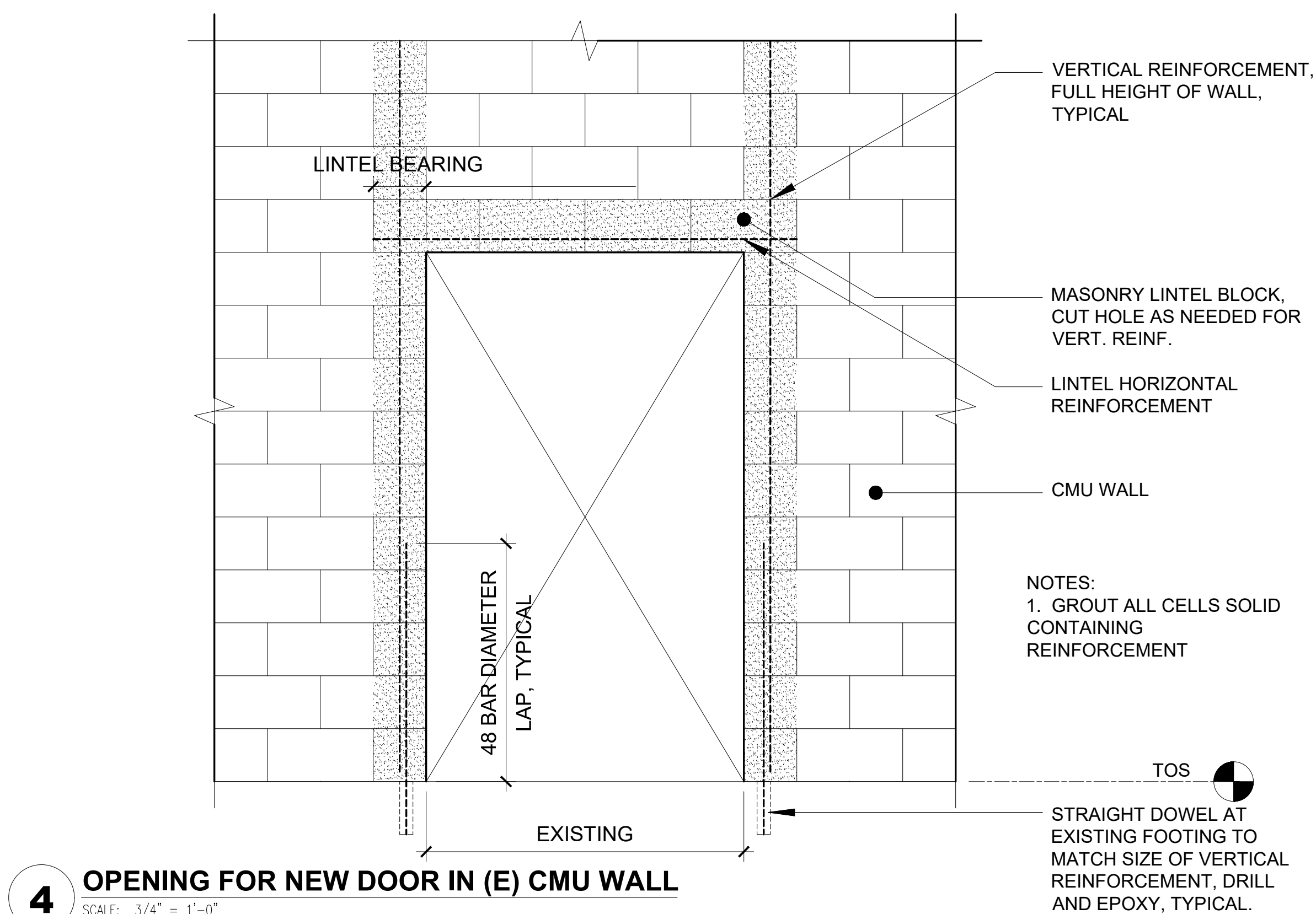
2 FOOTING FOR INTERIOR BLOCK WALL
SCALE: 3/4" = 1'-0"



1 BLOCK INFILL WALL AT (E) SLAB EDGE
SCALE: 3/4" = 1'-0"



3 CMU INFILL OPENING TYPICAL DETAIL
SCALE: 3/4" = 1'-0"

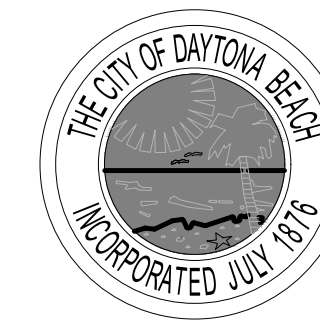


4 OPENING FOR NEW DOOR IN (E) CMU WALL
SCALE: 3/4" = 1'-0"

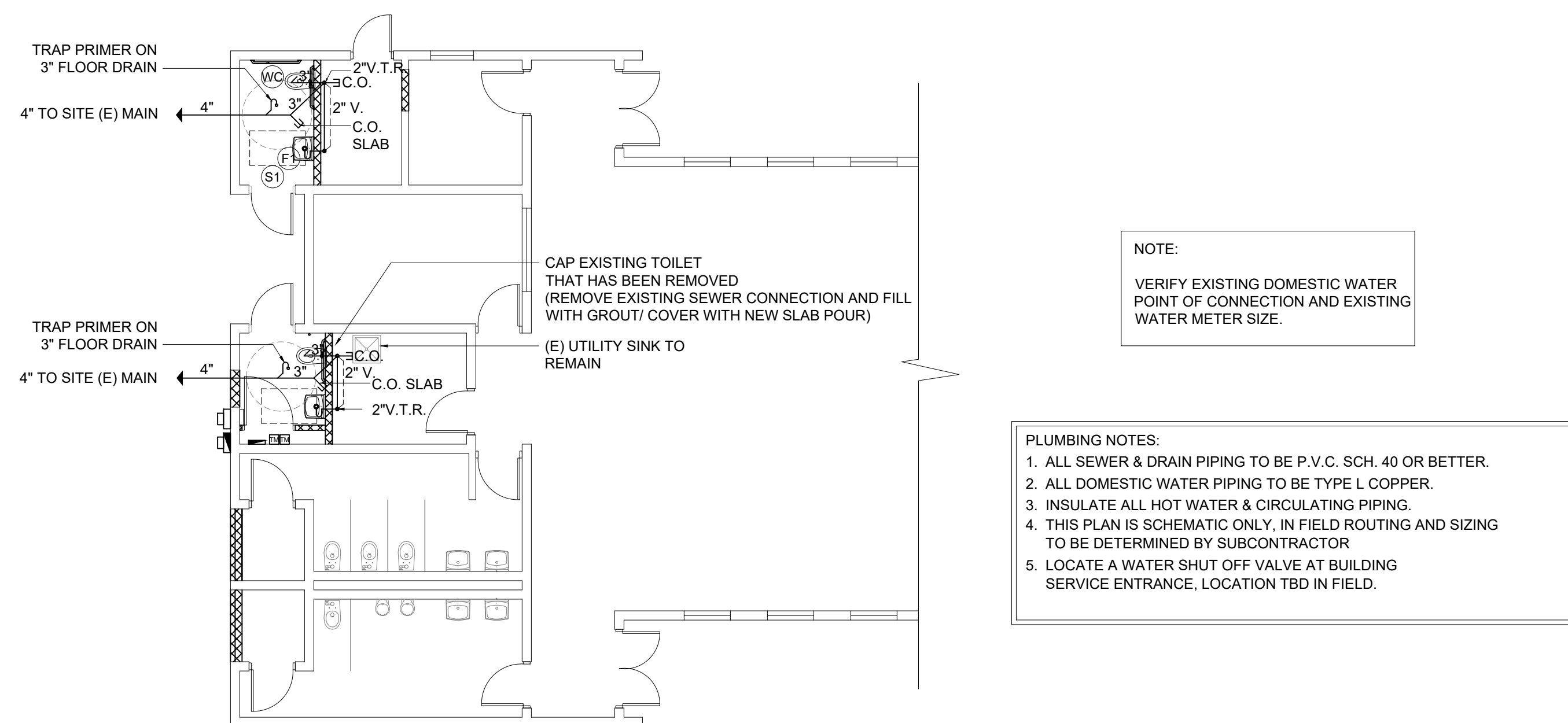
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plumbing + hvac



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

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	MODEL	TRIM / FINISH	REMARKS
WC	AMERICAN STANDARD	WATER CLOSET	AFWALL 2859.111	WHITE	WALL HUNG FLUSH VALVE TOILET
S	AMERICAN STANDARD	WALL HUNG SINK	DECORUM 9024.001EC	WHITE	WALL HUNG SINK (ADA COMPLIANT) CENTER HOLE ONLY
F	AMERICAN STANDARD	FAUCET / SINGLE HOLE	5502.170	CHROME	

NOTE:
VERIFY EXISTING DOMESTIC WATER POINT OF CONNECTION AND EXISTING WATER METER SIZE.

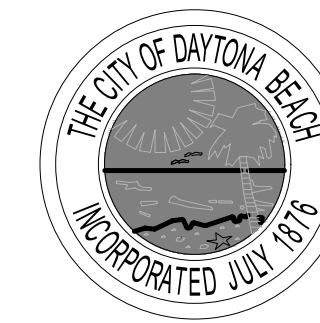
PLUMBING NOTES:
1. ALL SEWER & DRAIN PIPING TO BE P.V.C. SCH. 40 OR BETTER.
2. ALL DOMESTIC WATER PIPING TO BE TYPE L COPPER.
3. INSULATE ALL HOT WATER & CIRCULATING PIPING.
4. THIS PLAN IS SCHEMATIC ONLY, IN FIELD ROUTING AND SIZING TO BE DETERMINED BY SUBCONTRACTOR
5. LOCATE A WATER SHUT OFF VALVE AT BUILDING SERVICE ENTRANCE, LOCATION TBD IN FIELD.

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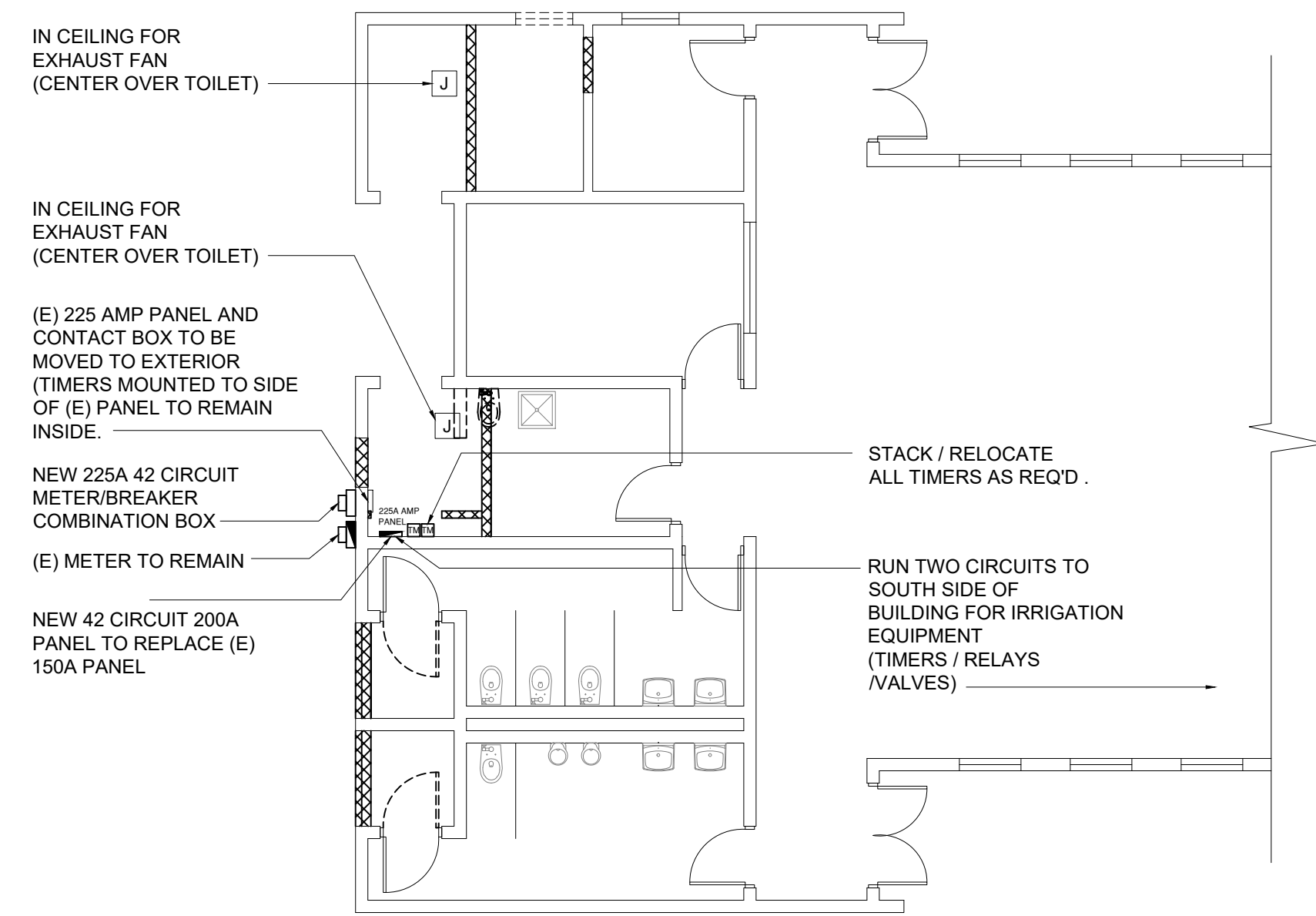
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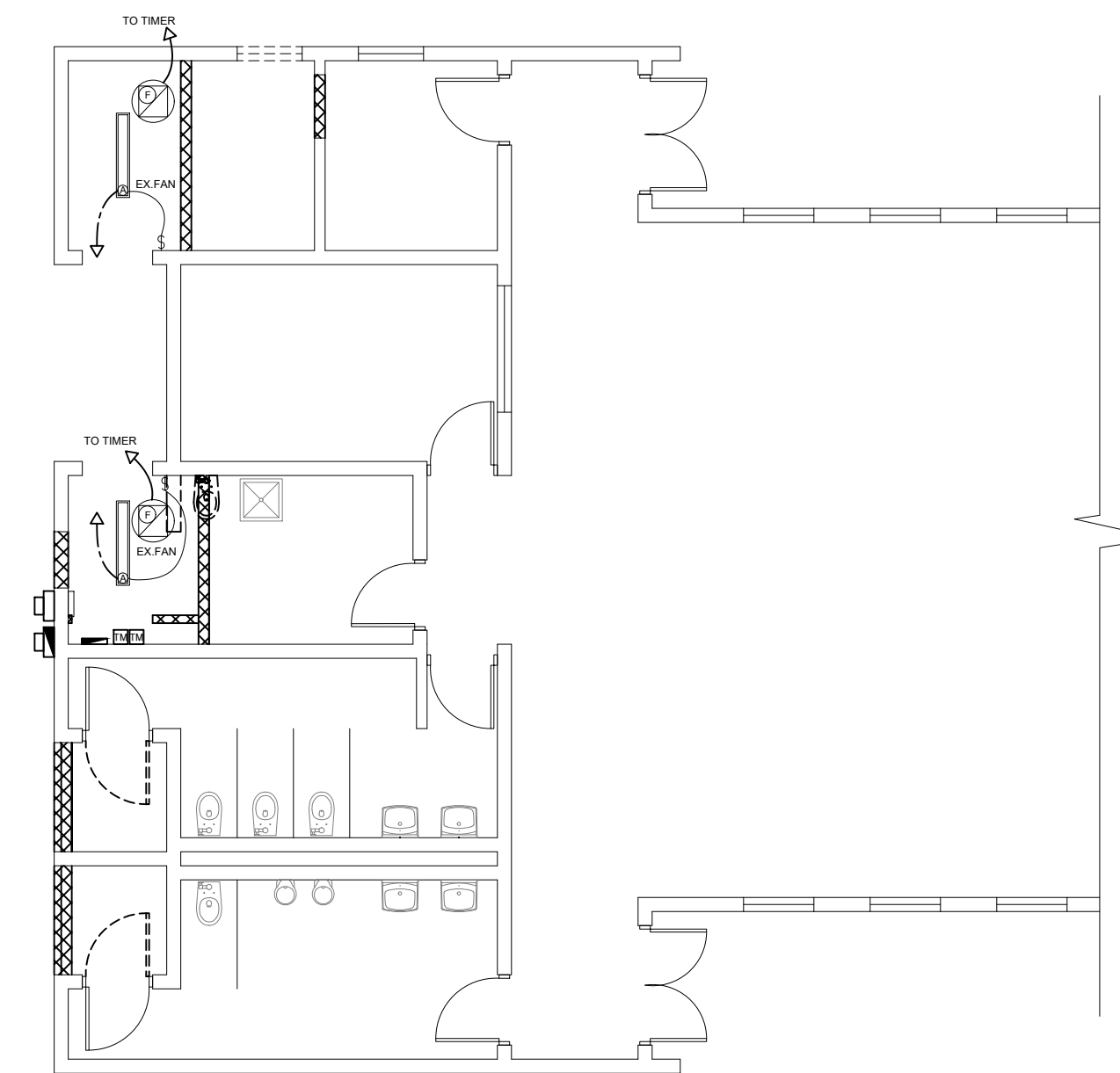
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EP1.1



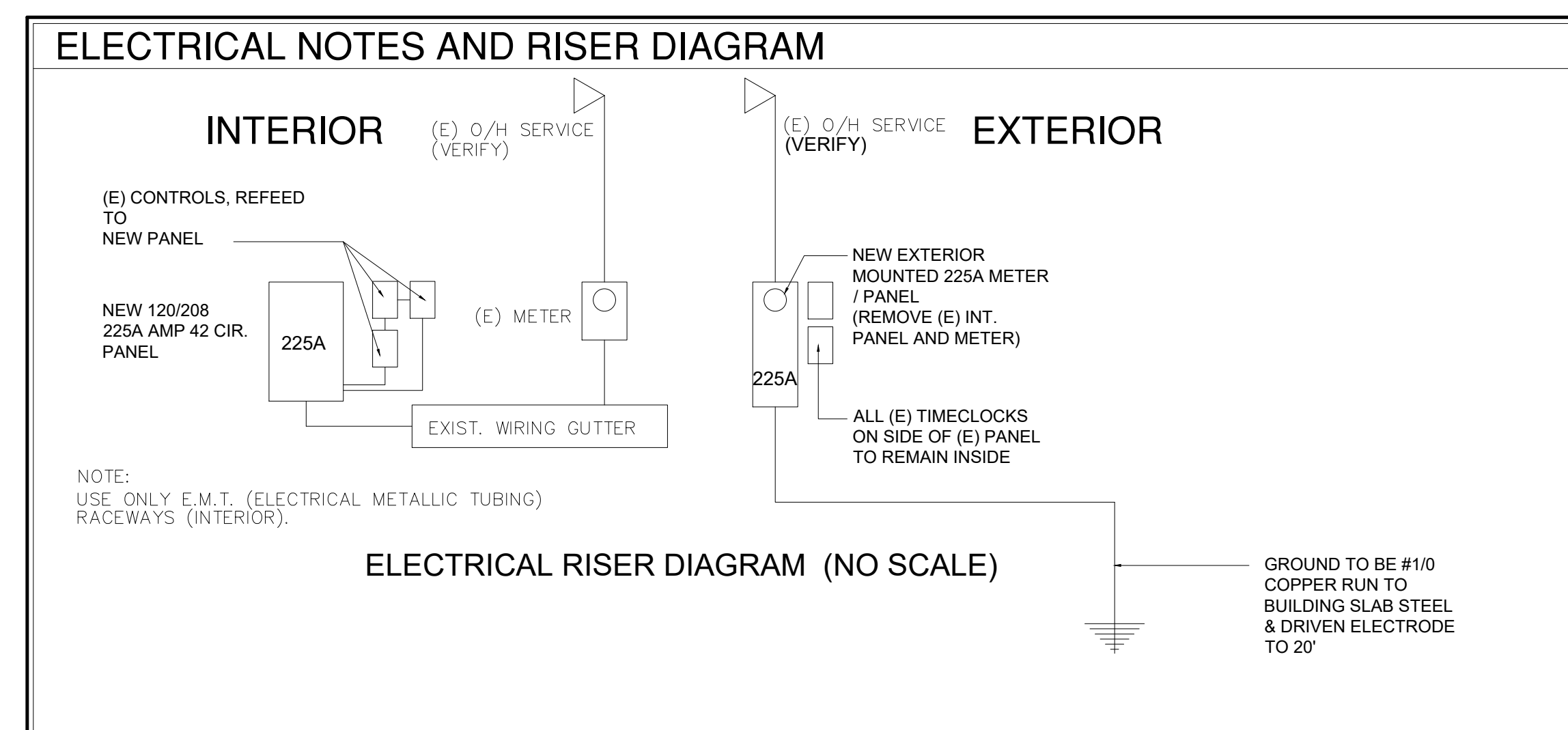
NOTE:
ALL CONDUIT AND SWITCHES TO BE IN SURFACE MOUNTED.
ALL NEW WIRING TO BE RUN IN EMT

POWER PLAN
SCALE: 1/8" = 1'-0"



LIGHTING PLAN
SCALE: 1/8" = 1'-0"

Fixture Schedule					
MARK	MFR.	MFR'S #	PRODUCT / DESCRIPTION	LAMP	REMARKS
(C)					
(A)	LITHONIA	ZL1N L48 3000LM SBL MVOLT 35K 80CRI WH	48" LED STRIP LIGHT /W BATTERY BACKUP	3000 LUMEN LED	WHITE COLOR / BLADE LOUVER
(F)	SOLER & PALAU	RED15QM1AS	DIRECT DRIVE ROOF EXHAUST FAN	N/A	ON TIMER



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 PLATES, ANGLES, CHANNELS, AND OTHER ROLLED MEMBERS SHALL CONFORM TO ASTM A36.
- ANCHOR RODS SHALL BE ASTM F1554 GRADE 36.
- ASSUMED BEARING CAPACITY FOR SPREAD FOOTINGS IS 2000 PSF.
- DESIGN LOADS:
 - MINIMUM ROOF LIVE LOAD 20 PSF
 - LIVE LOAD REDUCTION PER FBC 2017 SECTION 1607.10 IS INCLUDED
 - WIND LOAD (ASCE 7-10) OCCUPANCY CATEGORY II
 - BASIC WIND SPEED V = 148 MPH
 - EXPOSURE B
 - INTERNAL PRESSURE COEFFICIENT GCp = 0.0
- 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 UNFORESSEEN SOFT AREAS. ANY SOFT AREAS SHALL BE EXCAVATED AND REPLACED WITH CLEAN FILL. A 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.

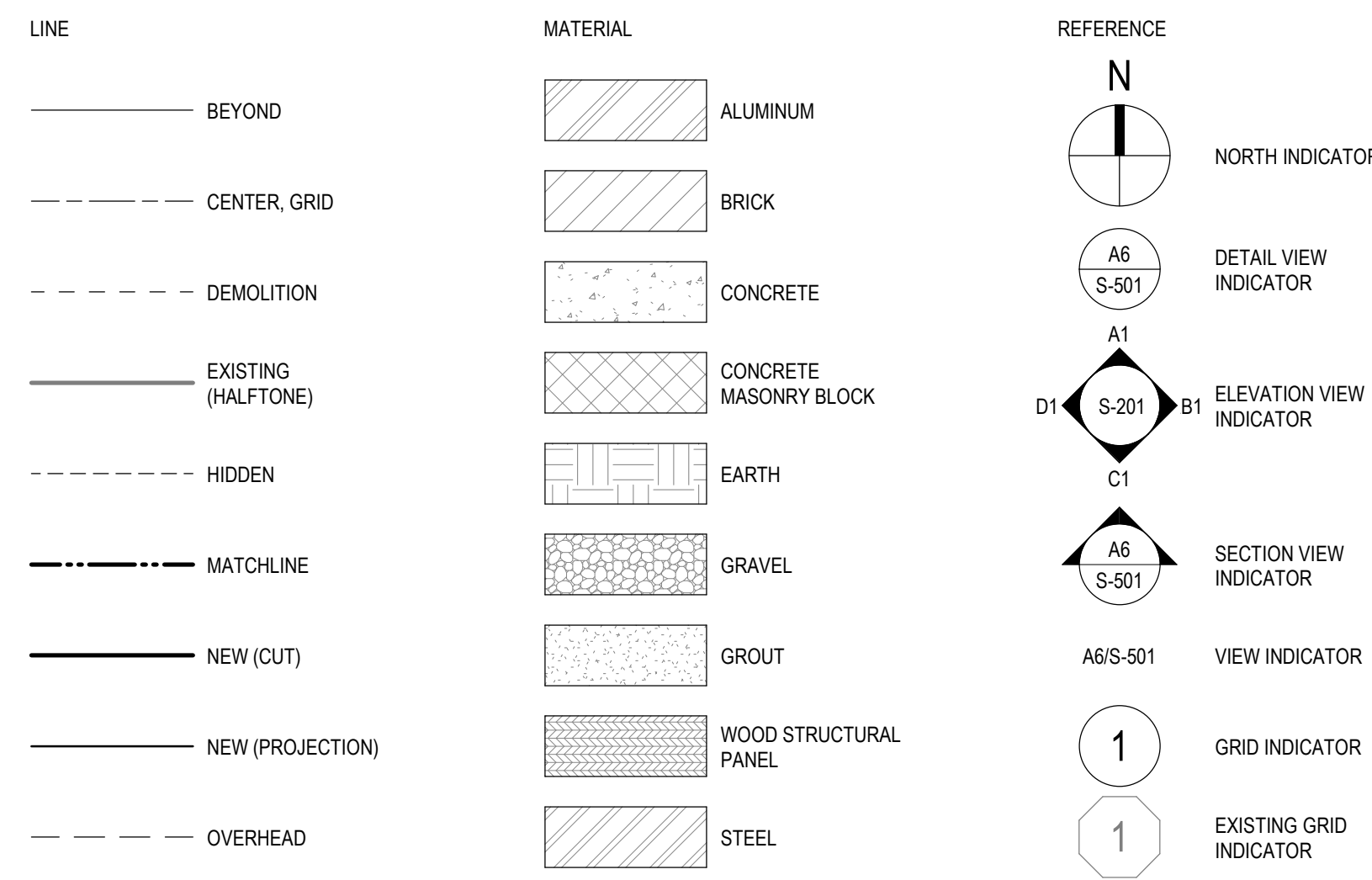
CONCRETE

- 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 (+/- 1/2 PERCENT).
- PIPES AND CONDUITS EMBEDDED IN OR PASSING THROUGH STRUCTURAL MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER. PIPE 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.

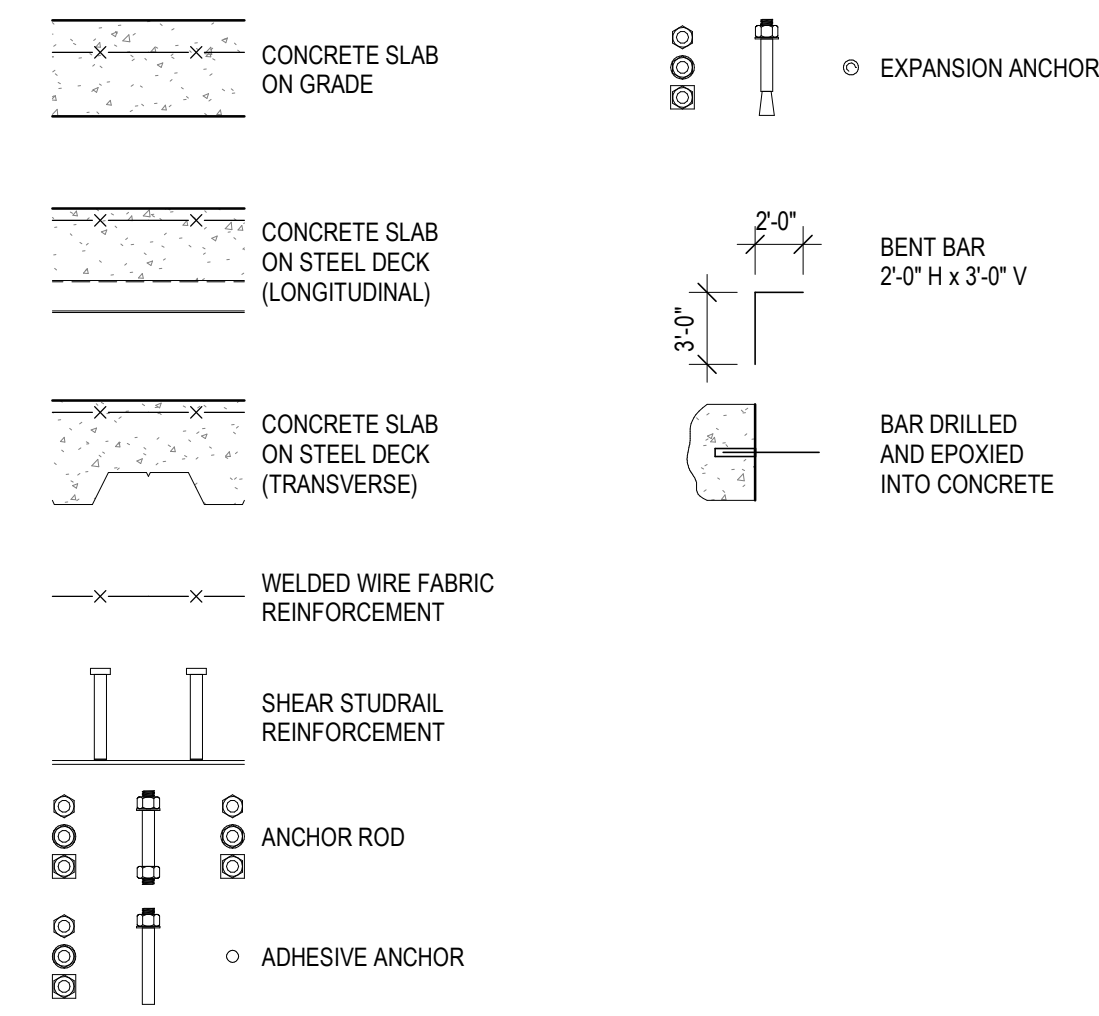
STRUCTURAL STEEL

- 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 OF 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.

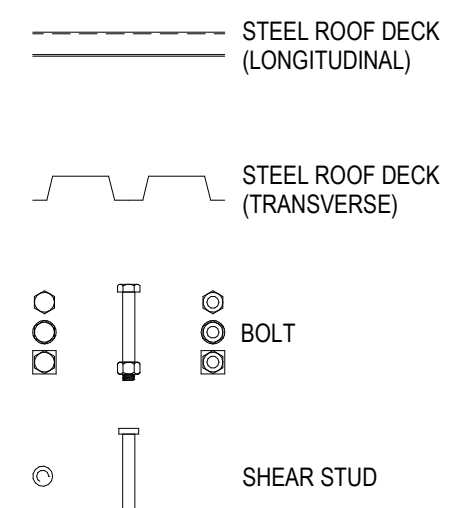
SYMBOL LEGEND



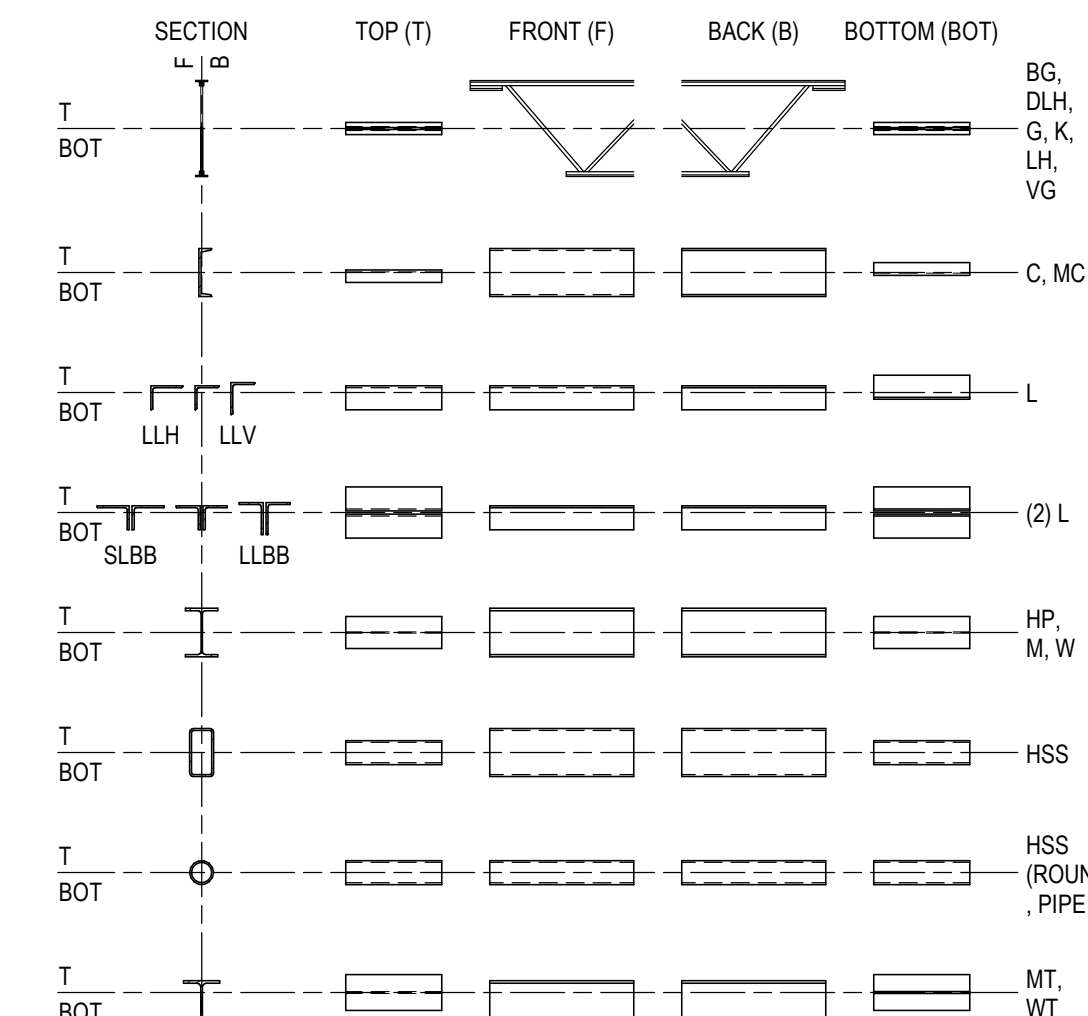
CONCRETE LEGEND



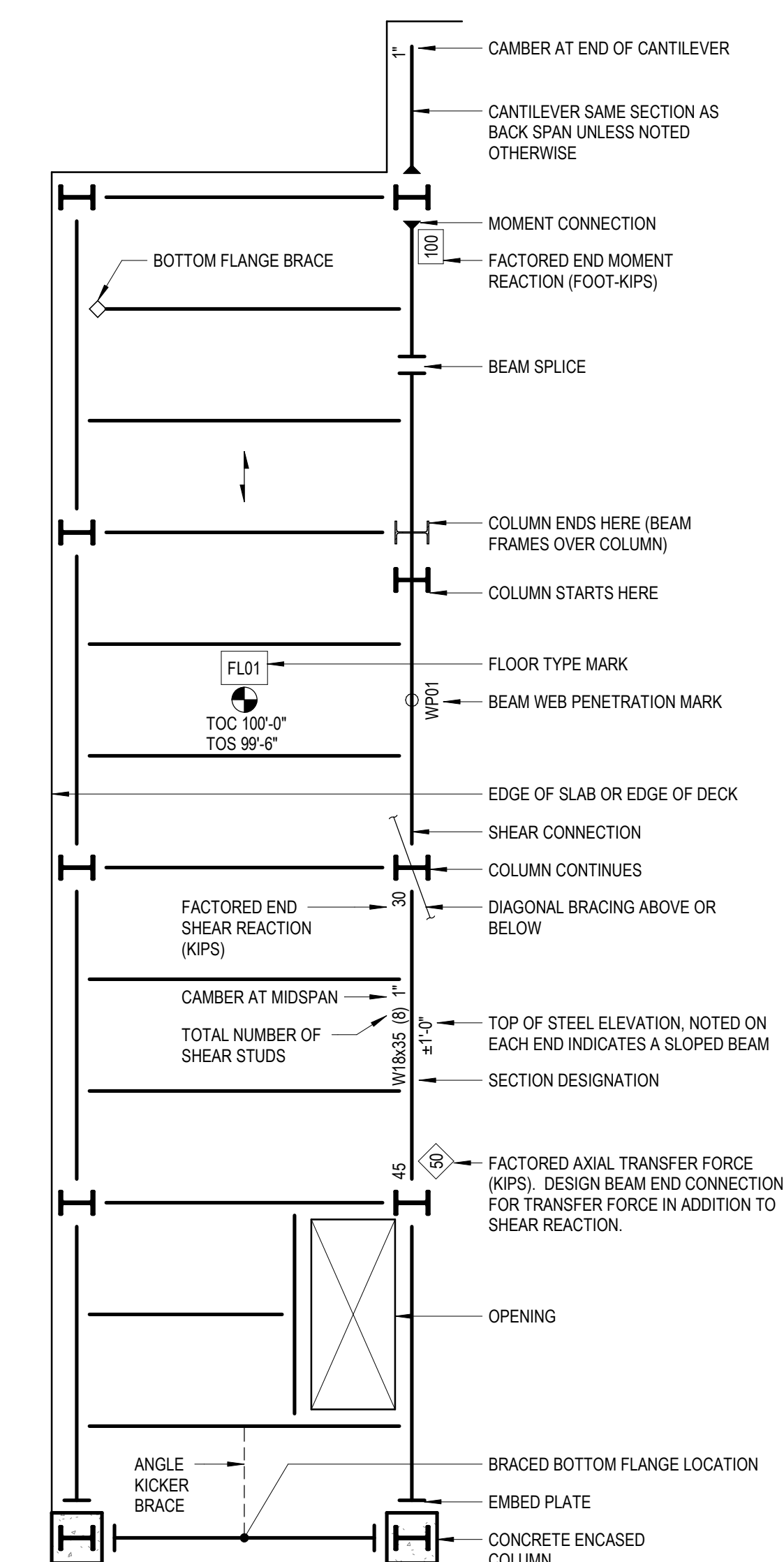
STEEL LEGEND



STEEL SHAPES LEGEND



STEEL FRAMING PLAN LEGEND



GENERAL WALL (FASCIA) ELEVATION

DESIGN WIND PRESSURE, PSF							DESCRIPTION
AREA	EFFECTIVE WIND AREA, SF						
	≤ 9	> 9, ≤ 36	> 36				
1	+46.9	-43.5	+46.9	-43.5	+46.9	-43.5	ROOF OR SOFFIT INTERIOR ZONE
2	+70.3	-65.5	+70.3	-65.5	+46.9	-43.5	END ZONE REGION OF THE ROOF OR SOFFIT SURFACE LOCATED WITHIN 3'-3" OF THE BUILDING PERIMETER
3	+93.8	-116.2	+70.3	-65.5	+46.9	-43.5	END ZONE REGION OF THE ROOF OR SOFFIT SURFACE LOCATED WITHIN 3'-3" OF THE BUILDING CORNER
4 (+)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	WALL INTERIOR ZONE
4 (-)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	
5 (+)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	END ZONE REGION OF THE WALL SURFACE LOCATED WITHIN 3'-0" OF THE BUILDING CORNER
5 (-)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	

- NOTES:
- WIND PRESSURES SHOWN ARE FACTORED LOADS OBTAINED VIA ASCE 7-10. MULTIPLY BY 0.6 TO CALCULATE SERVICE LOADS.
 - NEGATIVE PRESSURES ACT AWAY FROM COMPONENT SURFACE. POSITIVE PRESSURES ACT TOWARD COMPONENT SURFACES.

WIND PROVISIONS FOR COMPONENTS AND CLADDING TABLE

12" = 1'-0"

SHEET INDEX

- S-001 GENERAL NOTES AND INFORMATION
- S-101 PLANS AND SECTION AND DETAILS



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

www.graef-usa.com

CLIENT:

CITY OF DAYTONA BEACH, FL

PROJECT TITLE:

SUNNYLAND PARK PAVILIONS

825 WASHINGTON STREET
DAYTONA BEACH, FL 32114

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 2019-4103

DATE: 02/10/2019

DRAWN BY: HQ

CHECKED BY: SDH

APPROVED BY: SDH

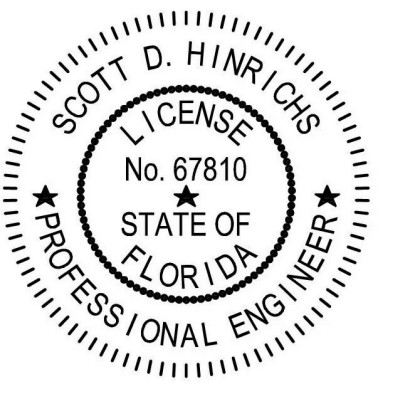
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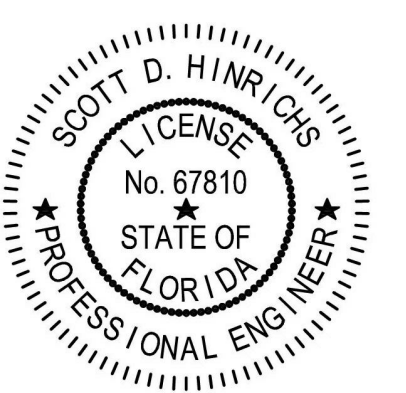
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GENERAL NOTES AND INFORMATION

SHEET NUMBER:

S-001





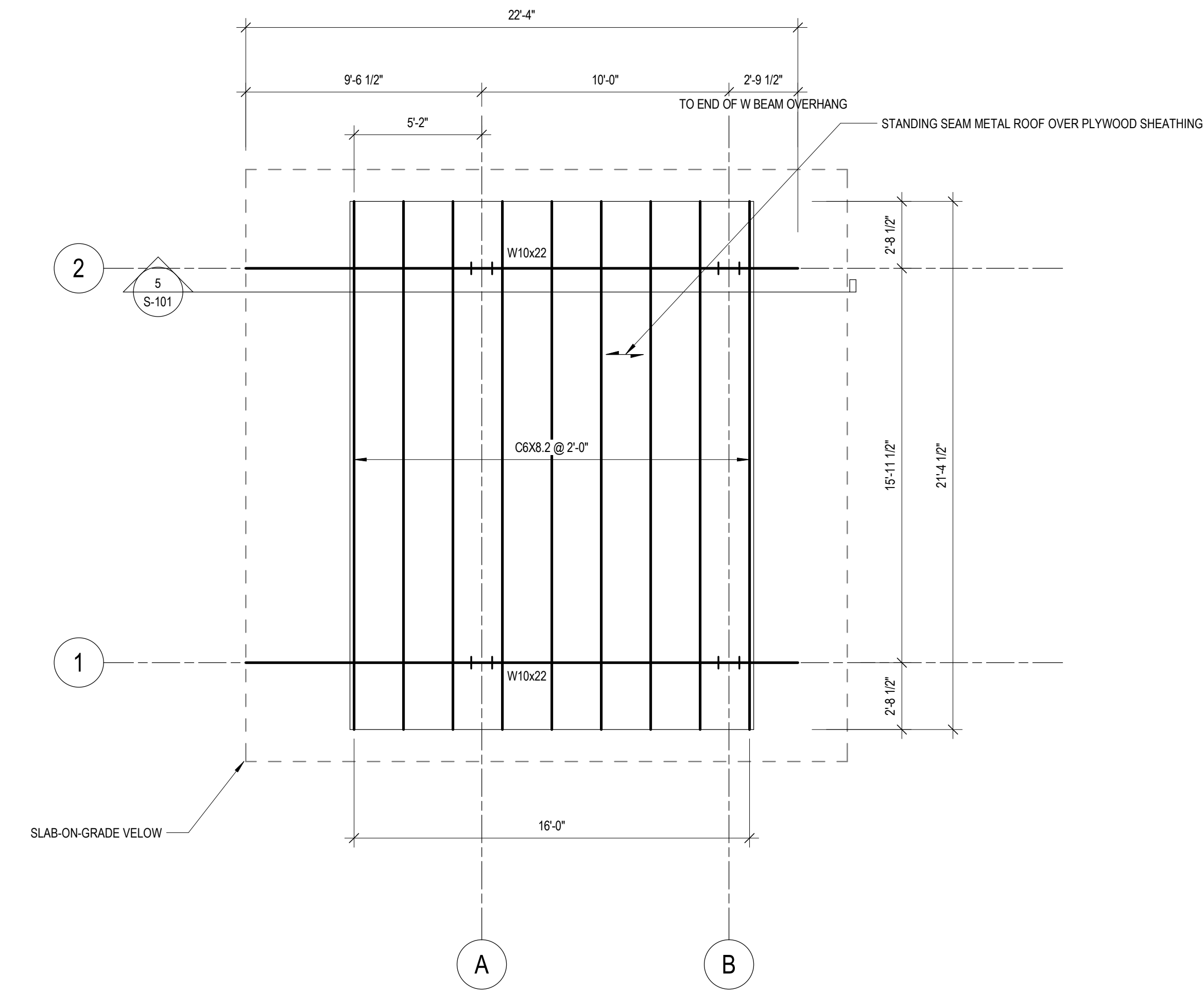
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DATE: 02/01/2019
DRAWN BY: HQ
CHECKED BY: SDH
APPROVED BY: SDH
SCALE: AS NOTED

SHEET TITLE:
PLANS AND SECTION AND
DETAILS

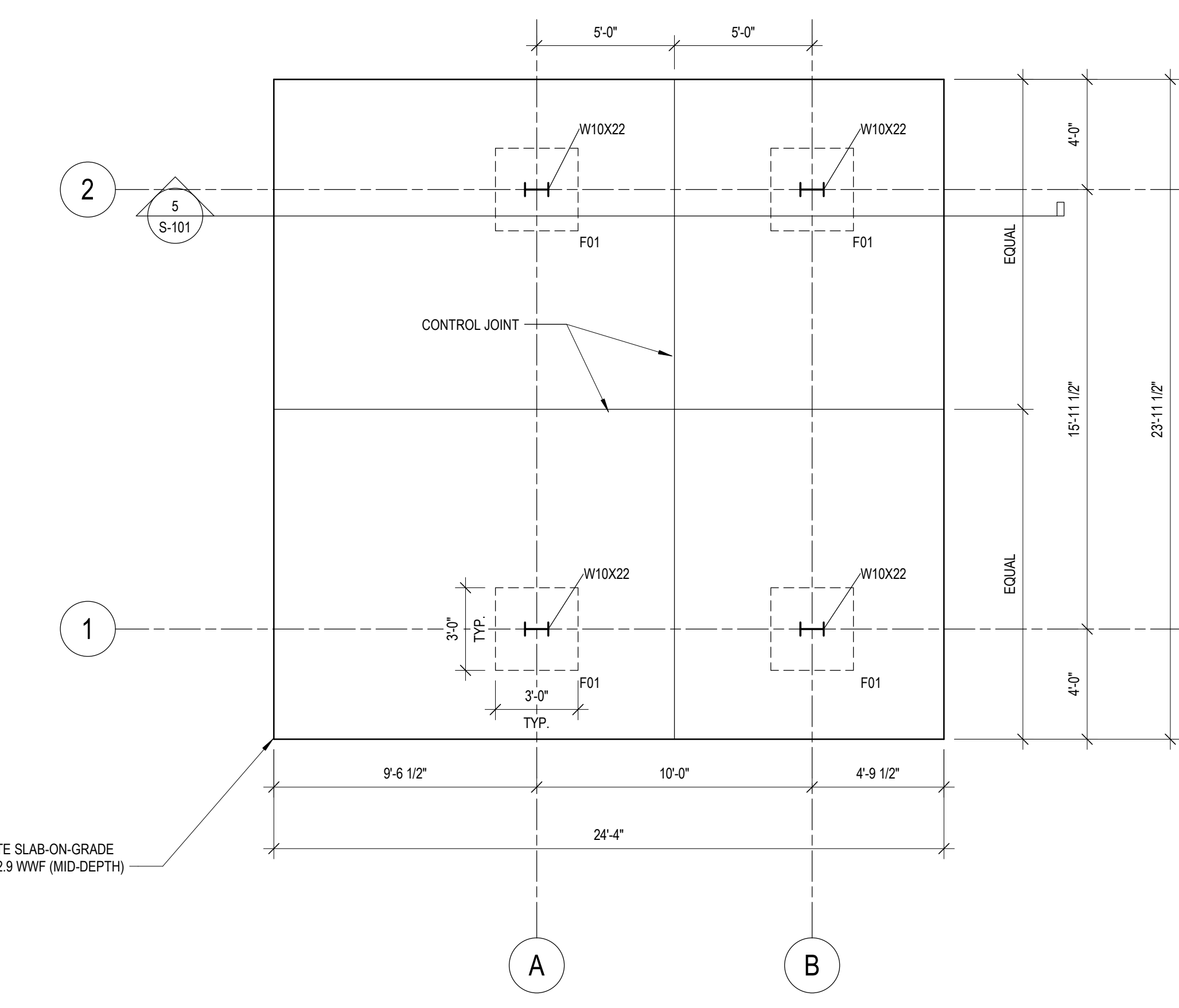
SHEET NUMBER:

S-101



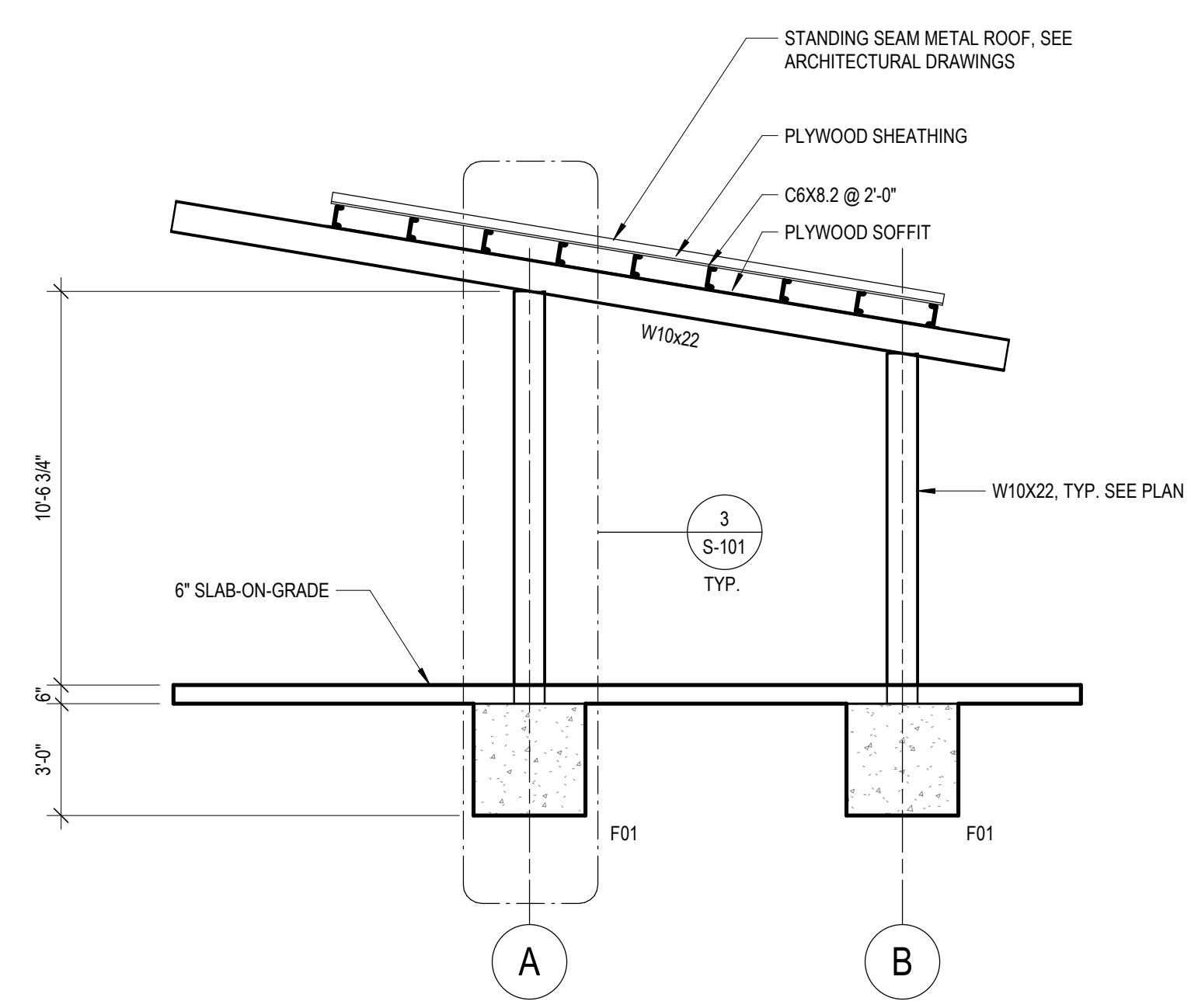
2 ROOF LEVEL FRAMING
1/4" = 1'-0"

- 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.

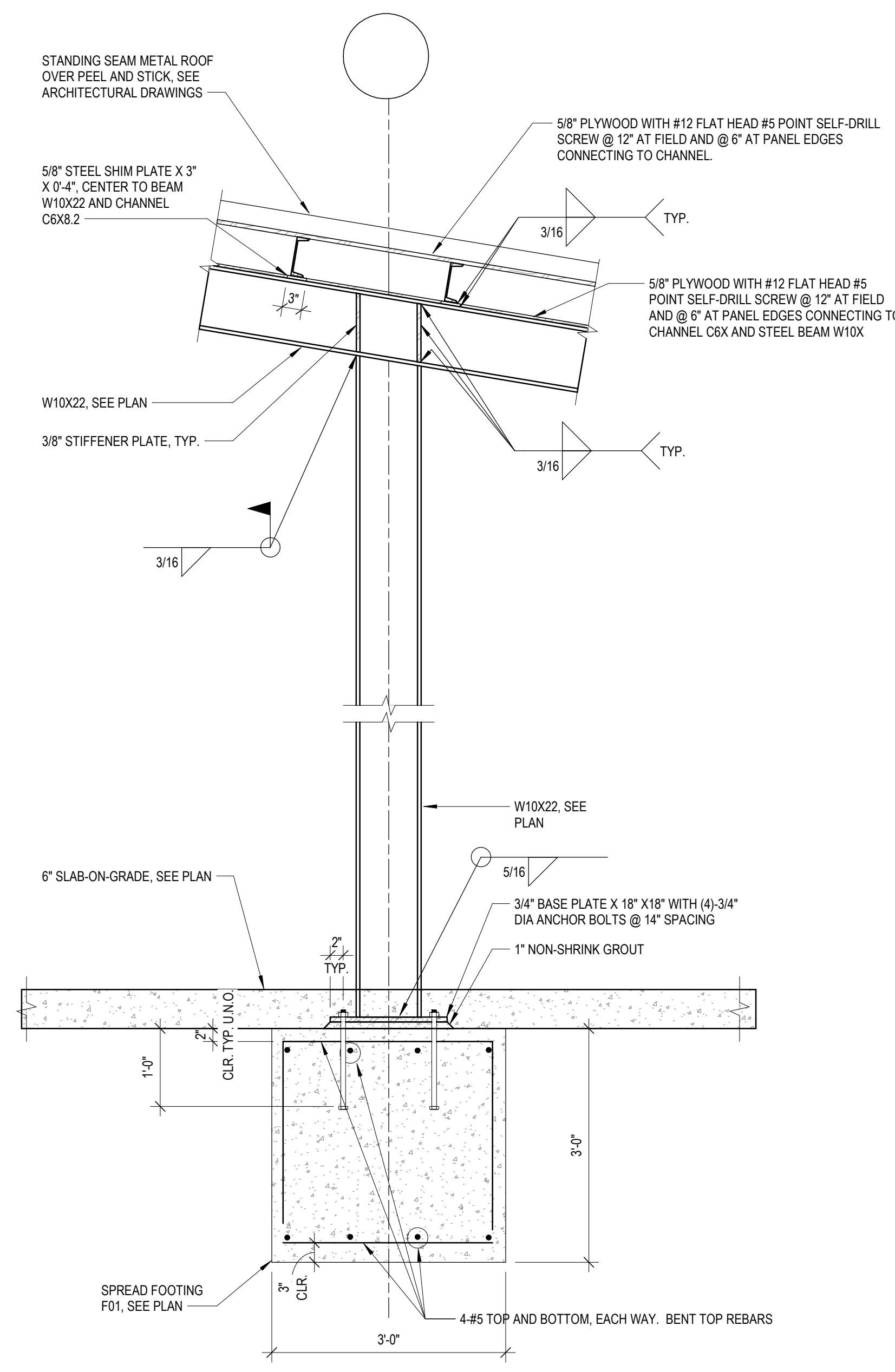


1 FOUNDATION LEVEL FRAMING
1/4" = 1'-0"

- NOTES:
- REFER TO GENERAL NOTES ON SHEET S-001.
 - F-01 DENOTES CONCRETE SPREAD FOOTING, 3'-0" (L) X 3'-0" (W) X 3'-0" (D) WITH (4)#5 EACH WAY, TOP AND BOTTOM. SEE DETAIL ON SHEET S-101.
 - ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.

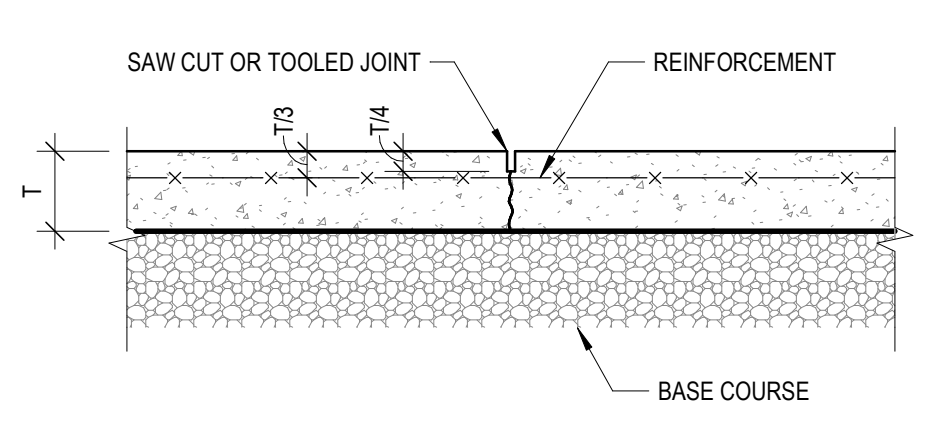


5 SECTION
1/8" = 1'-0"



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

NOTE:
AT CONTRACTOR'S OPTION, SELF-DRILLING SCREWS CAN BE REPLACED WITH THE SAME SIZE SELF-TAPPING SCREWS AND SCREWING INTO PRE-DRILL PILOT HOLES.



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

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Landscape 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 SJC 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.
- AT THE COMPLETION OF THE PROJECT THE OWNER WILL BE PROVIDED WITH THE FOLLOWING ITEMS AS THEY RELATE TO THE IRRIGATION SYSTEM:
- SET OF DIGITAL AS-BUILT RECORD DRAWINGS AT A SCALE NO SMALLER THAN 1 INCH = 20 FEET.
 - SETS OF AS-BUILT RECORD DRAWINGS AT A SCALE NO SMALLER THAN 1 INCH = 20 FEET.
 - COPIES OF OWNER'S OPERATIONS AND MAINTENANCE MANUALS.
 - COPIES OF RECOMMENDED IRRIGATION SCHEDULE WITH PROPOSED APPLICATION RATES.
 - 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.

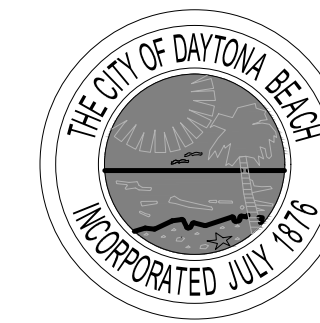
ISSUE	DATE
BID SET	4.24.19

BUILDING REMODEL, SITE IMPROVEMENTS AND PAVILIONS FOR SUNNYLAND PARK

825 WASHINGTON ST.
DAYTONA BEACH, FL
32114

SCALE:	AS NOTED
DRAWN:	BCC
CHECKED:	BCC
PROJECT NO:	2019-010

L1.0



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 02B11 – 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 wildearth@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 ArborLife, by Deep Root Partners, L.P., 31 Longston 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. Bermuda grass, if present, to be exterminated by approved means or all soil removed to 6 inch depth and replaced with topsoil free of bermuda grass.

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

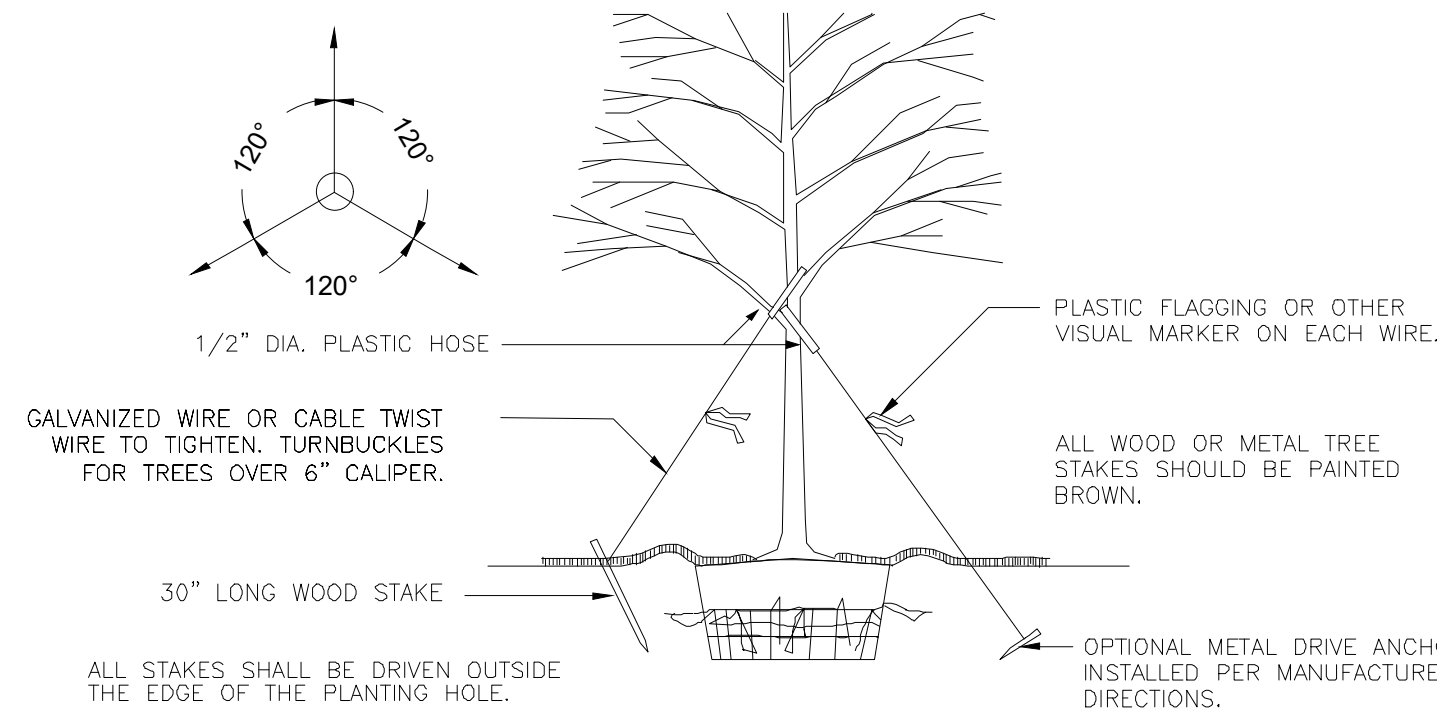
3.04 SPECIAL PLANTING

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.



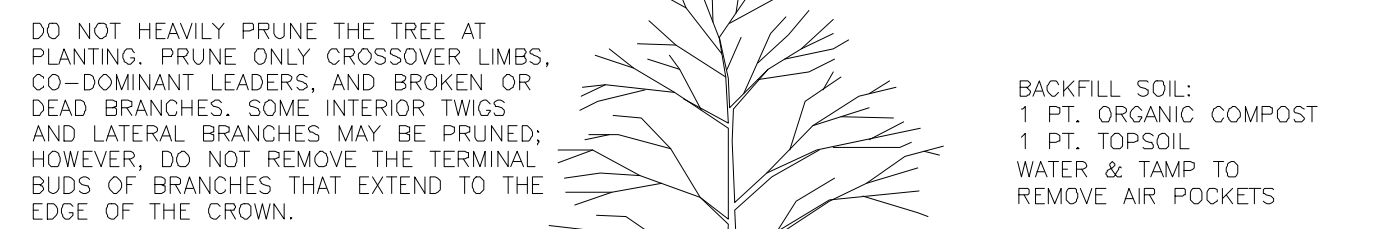
ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE PLANTING HOLE.

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:

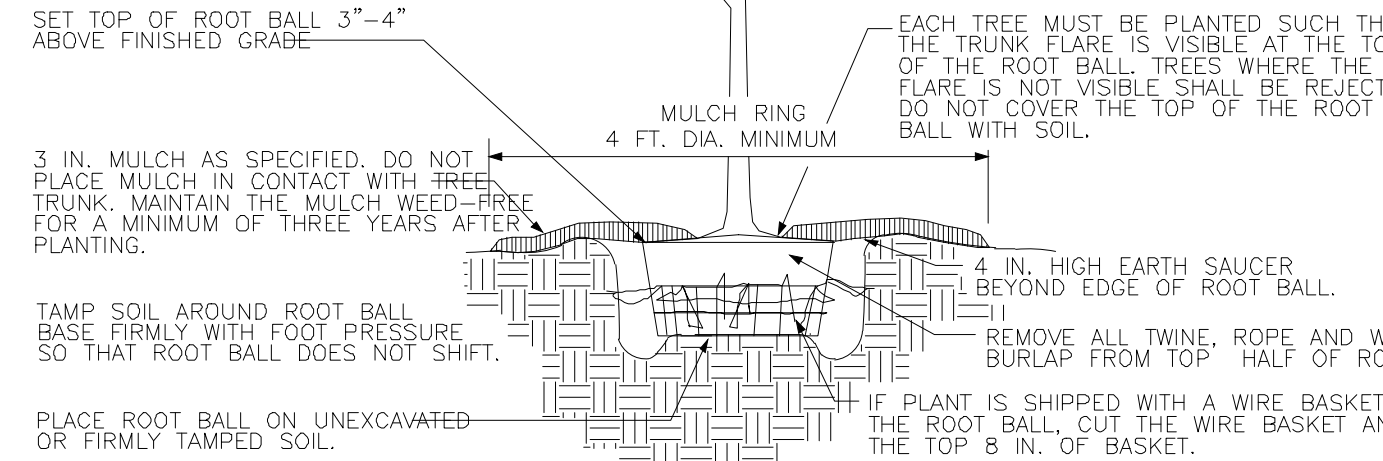
- o TREES WITH POOR-QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE.
- o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. REJECT RATHER THAN STAKE.
- o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT 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)



STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE STAKING DETAIL.

WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

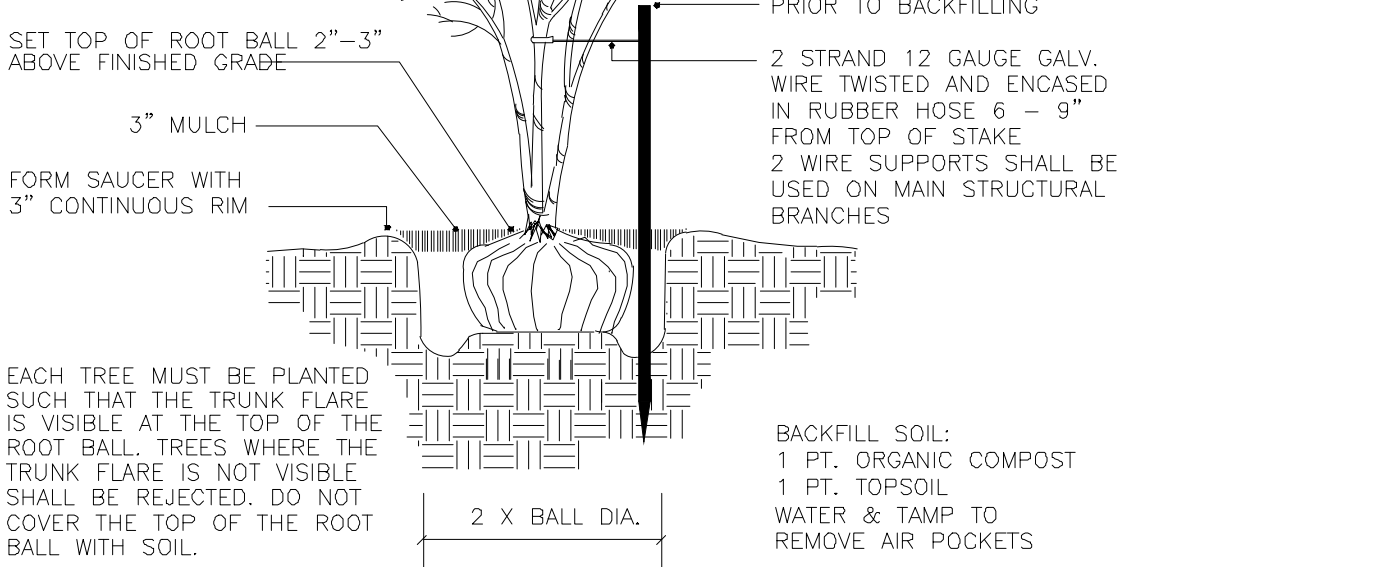


IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET AND REMOVE THE TOP 8 IN. OF BASKET.

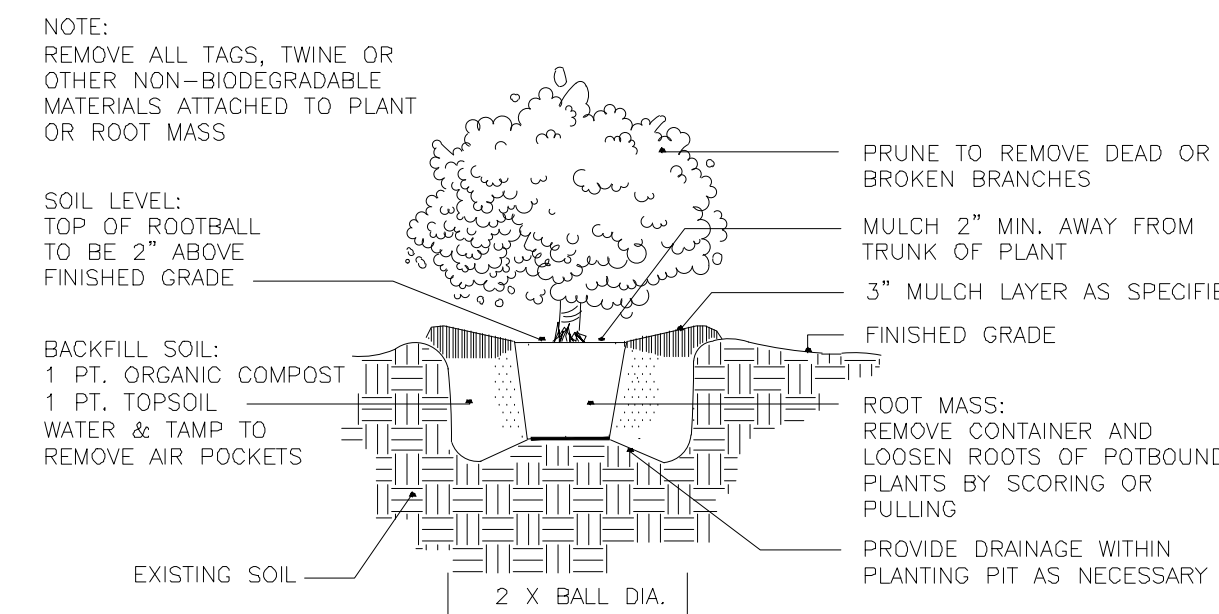
NOTE: ALL WOOD OR METAL TREE STAKES SHOULD BE PAINTED BROWN.

• STAKE TO FIRST BRANCHES AS NECESSARY FOR FIRM SUPPORT

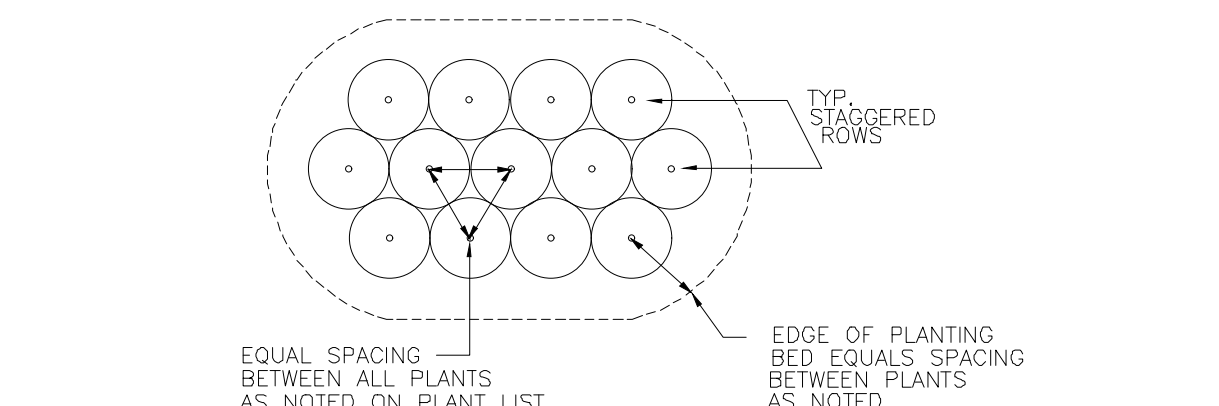
• WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES



MULTI-TRUNK OR SMALL TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



SHRUB MASS PLANTING LAYOUT

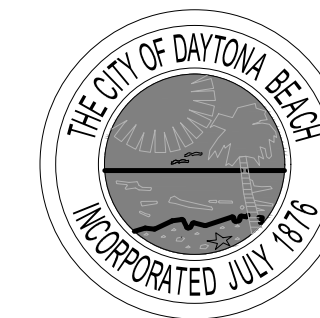
ISSUE	DATE
BID SET	4.24.19

**BUILDING
REMODEL, SITE
IMPROVEMENTS
AND PAVILIONS
FOR
SUNNYLAND
PARK**

825 WASHINGTON ST.
DAYTONA BEACH, FL
32114

SCALE:	AS NOTED
DRAWN:	BCC
CHECKED:	BCC
PROJECT NO:	2019-010

L1.01



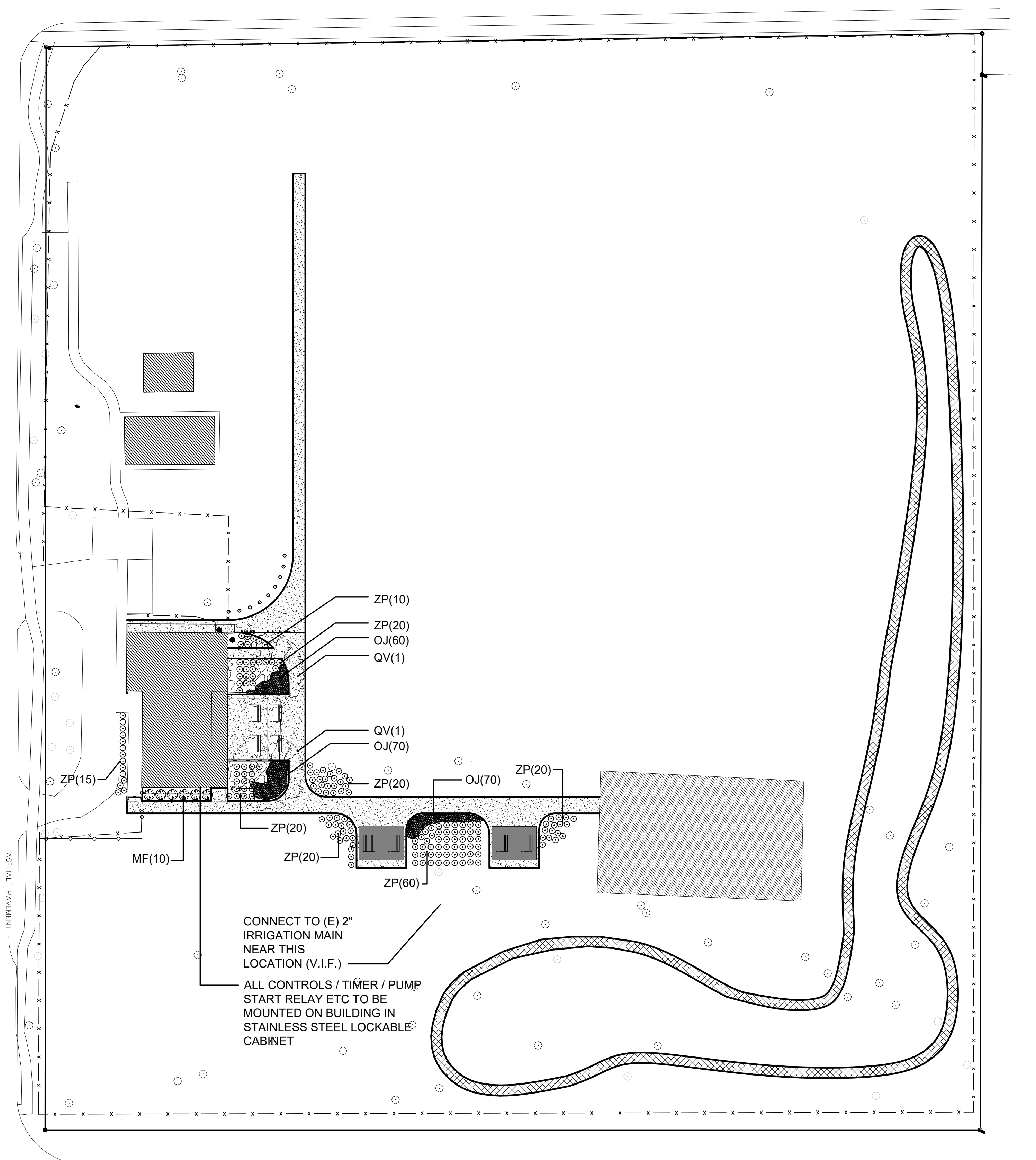
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PLANT SCHEDULE

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.
185	ZP	<i>Zamia pumila</i> COONTIE	12" o.a. ht. 3 gal. 30" o.c.
10	MF	<i>Myrcianthes fragrans</i> SIMPSON STOPPER	12" o.a. ht. 3 gal. 30" o.c.