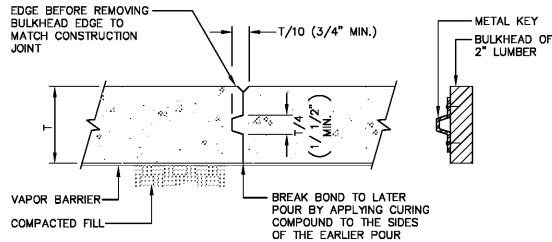
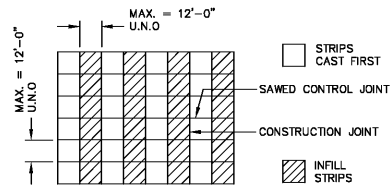


SAWED CONTROL JOINT DETAIL



BULKHEAD DETAILS FOR CONSTRUCTION JOINT



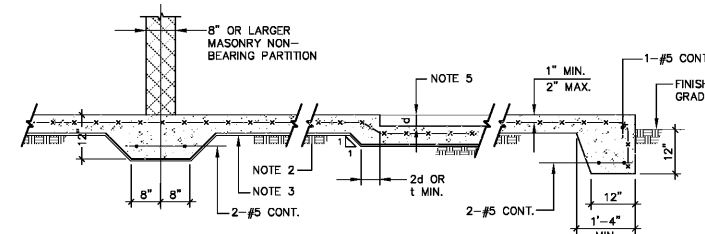
SLAB PLACEMENT SEQUENCE

NOTES:

1. CONCRETE FOR SLAB ON GRADE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AS INDICATED ON THE "CONCRETE AND REINFORCING" NOTES.
2. SUPERPLASTICIZER SHALL BE USED IN SLAB ON GRADE CONCRETE - SEE SPECIFICATIONS.
3. SLAB ON GRADE CONCRETE MIX SHALL HAVE A WATER-CEMENT RATIO AS INDICATED IN SPECS AND/OR NOTES.
4. CONSTRUCTION JOINTS SHALL BE LOCATED A MINIMUM OF 5'-0" AWAY FROM ANY OTHER JOINTS TO WHICH THEY ARE PARALLEL. SAW CUTTING SHALL BE DONE WITH A POWER SAW WITH A MASONRY CUTTING BLADE. CUTTING SHALL BE DONE AS SOON AS CONCRETE HARDENS ENOUGH SO THAT THE BLADE DOES NOT DISLODGE THE AGGREGATES.
5. WHERE SAWCUT IS DISCONTINUED AT A TRANSVERSE JOINT, STOP CUT 2" SHORT.
6. SLAB REINFORCING NOT SHOWN FOR CLARITY.

TYPICAL SLAB ON GRADE JOINT DETAILS

3-201



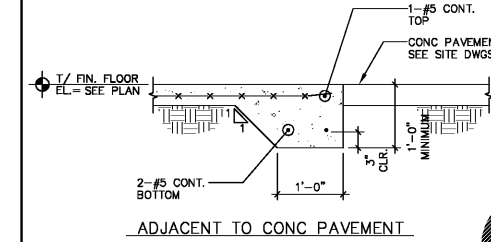
HAUNCH AT PARTITION AT DEPRESSION EXTERIOR PLATFORM

UNLESS NOTED ON PLANS:

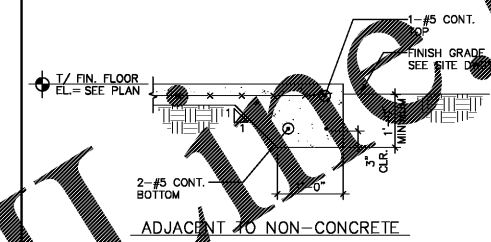
1. SEE FOUNDATION NOTES FOR SLAB THICKNESS AND REINFORCING.
2. SLABS SHALL BEAR ON COMPACTED FILL.
3. COMPACTED FILL SHALL BE COVERED WITH VAPOR BARRIER. SEE SPECS.
4. UNDER MACHINE EQUIPMENT DEEPEN SLAB TO 8" AND ADD TWO LAYERS OF WELDED WIRE FABRIC BOTTOM, U.N.O.
5. FOR DEPRESSIONS - SEE ARCHITECTURAL DRAWINGS.
6. AT CONSTRUCTION JOINTS USE WOOD FORMS WITH SHEAR KEYS.
7. STOP WIRE MESH AT CONSTRUCTION JOINTS. CUT EVERY OTHER WIRE AT SAWCUT JOINT.
8. WHERE SLAB IS DOWELED INTO WALL, FIRST SLAB CONSTRUCTION JOINT TO BE NOT MORE THAN 15 FEET FROM WALL.
9. FOR EXPANSION JOINT LOCATION SEE PLAN. FOR DETAILS SEE ARCHITECTURAL DRAWINGS.

TYPICAL SLAB ON GRADE DETAILS

3-202



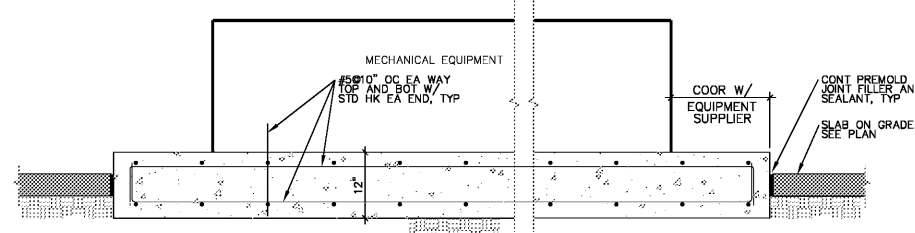
ADJACENT TO CONC PAVEMENT



ADJACENT TO NON-CONCRETE

TYPICAL SLAB ON GRADE EDGE

3-007

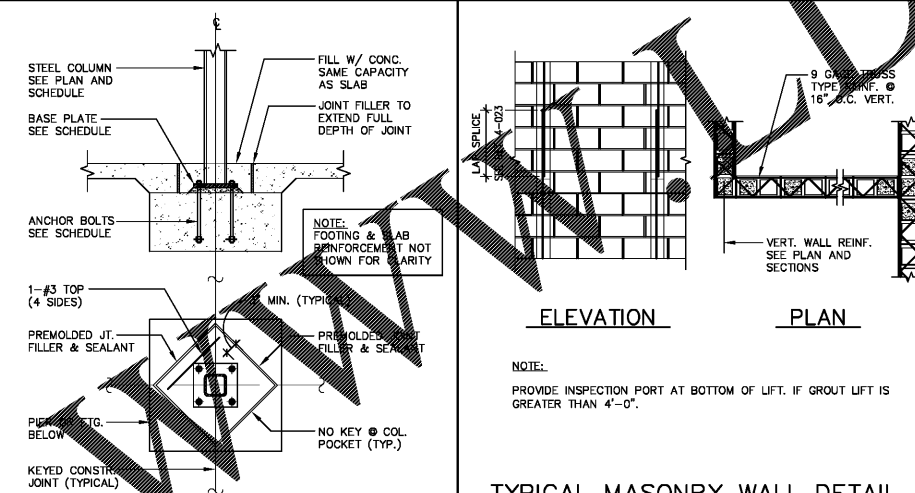


NOTE:

THE EXACT SIZE, SHAPE AND LOCATION OF ALL EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR THE EQUIPMENT.

MACHINE / EQUIPMENT SLAB ON GRADE DETAIL

3-204

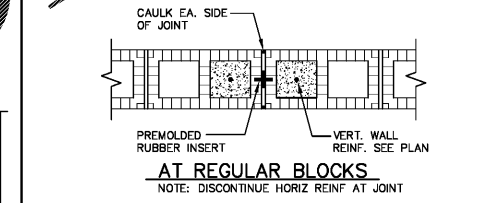


TYPICAL MASONRY WALL DETAIL

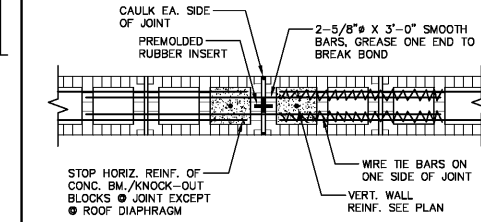
NOTE: PROVIDE INSPECTION PORT AT BOTTOM OF LIFT. IF GROUT LIFT IS GREATER THAN 4'-0".

TYPICAL STEEL COLUMN ISOLATION JOINT DETAIL

3-013



AT REGULAR BLOCKS

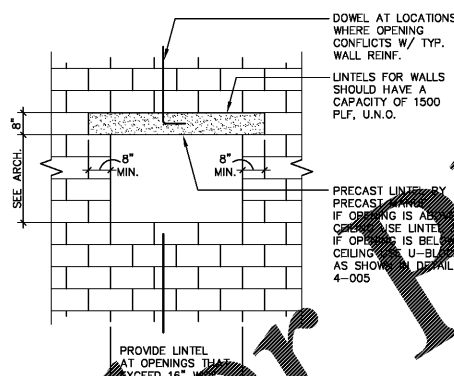


AT CONC. BM'S/KNOCK-OUT BLOCKS

MASONRY CONTROL JOINT

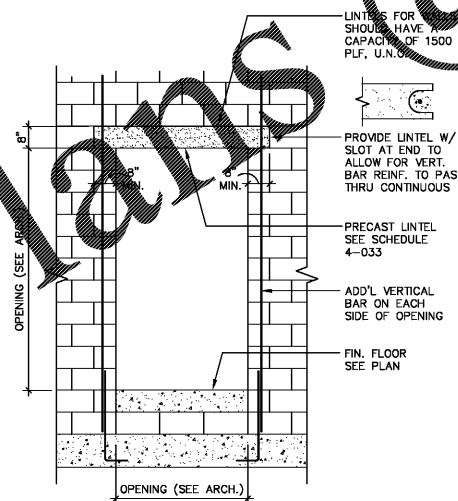
NOTE: 1. MAXIMUM SPACING OF CONTROL JOINT EQUALS 25'-0" OR THREE TIMES WALL HEIGHT (WHICH EVER IS SMALLER)

4-002



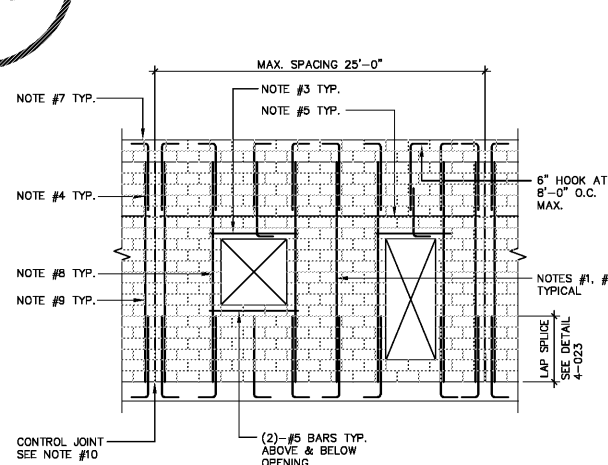
TYPICAL LINTEL OVER DUCT OPENING

4-004



TYPICAL LINTEL OVER OPENING

4-005



CMU WALL REINFORCING LAYOUT

4-009

NOTES:

1. VERTICAL WALL REINFORCING SHALL ALIGN WITH VERTICAL FOUNDATION DOWELS. DOWELS SHALL BE PLACED AS SHOWN ON DETAILS WITH STANDARD ACI HOOK DIRECTLY ON TOP OF BOTTOM LAYER OF FOOTING REINFORCING. REFER CMU WALL REINFORCING SCHEDULE ON PLAN FOR SIZE AND SPACING.
2. TYPICAL VERTICAL WALL REINFORCING TO BE PLACED AS SHOWN ON DETAILS. GROUT CELLS FULL THAT CONTAIN REINFORCEMENT.
3. REFER CMU LINTEL SCHEDULE FOR SIZE, LOCATION AND QUANTITY OF LINTEL REINFORCEMENT.
4. VERTICAL REINFORCING BARS MAY BE SPICED IN 6'-0" TO 8'-0" LENGTHS.
5. HORIZONTAL WALL REINFORCING SHALL BE TRUSS TYPE AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE UNLESS OTHERWISE NOTED ON PLANS AND DETAILS. DISCONTINUE AT CONTROL JOINTS.
6. CONTRACTOR SHALL USE THE LOW LIFT METHOD OF GROUTED MASONRY CONSTRUCTION UNLESS CLEAN OUTS ARE PROVIDED AT EACH VERTICAL REINFORCING BAR.
7. REFER TO PLANS AND DETAILS FOR SIZE AND LOCATION OF BOND BEAMS AND QUANTITY OF REINFORCING. LAP REINFORCING 24" MINIMUM. DISCONTINUE BOND BEAMS AT CONTROL JOINTS. REFER LINTEL SCHEDULE NOTES FOR VERTICAL BARS ADJACENT TO OPENING.
8. PROVIDE VERTICAL WALL REINFORCING IN FIRST CELL NEXT TO CONTROL JOINTS/CORNERS/OPENINGS. TYPICAL VERTICAL CONTROL JOINTS SHALL TERMINATE AT TOP OF FOOTING.
9. PROVIDE CORNER BARS TO MATCH TYPE AND QUANTITY OF HORIZONTAL WALL REINFORCING. TYPICAL.

LAP SPICE SCHEDULE FOR SINGLE REINFORCED 8" CMU		
BAR SIZE	LAP SPICE	REMARKS
#3	18	
#4	24	
#5	30	
#6	36	
#7	42	
#8	48	
#9	54	

NOTES:

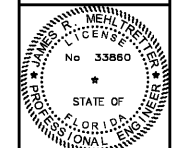
1. LENGTH OF SPICES ARE BASED ON FLORIDA BUILDING CODE 2014.
2. LAP SPICES INDICATED ARE IN INCHES.
3. THIS SCHEDULE IS FOR 8" CONCRETE MASONRY UNITS (CMU) ONLY.
4. SEE DETAIL FOR LAP SPICE SCHEDULE FOR DOUBLE REINFORCED 8" CMU.

LAP SPICE SCHEDULE SINGLE REINFORCED 8" CMU

4-009

NOTE: IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION DRAWINGS OR ARCHITECTURAL DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND ENGINEER OF SUCH CONFLICT IN ORDER TO RECEIVE A CLARIFICATION BEFORE PROCEEDING TO WORK. DIMENSIONS, SIZES AND REINFORCEMENT OF STRUCTURAL ELEMENTS SHOWN IN THIS DRAWING ARE MINIMUM TO BE USED UNLESS OTHERWISE NOTED OTHERWISE (U.N.O.) IN PLANS.

Kimley-Horn
2201 West Royal Lane, Suite 275, Irving, Texas 75063
PH: 972.261.4200
FLORIDA REGISTERED ENGINEERING FIRM #00000219
FLORIDA REGISTERED LANDSCAPE ARCHITECTURE FIRM LC-0000219
© 2017 KIMLEY-HORN AND ASSOCIATES, INC.

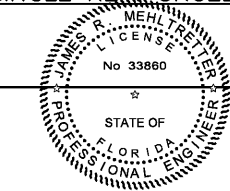


BUTLER PARK
AQUATIC CENTER
CITY OF NORTHPORT, FL

TYPICAL DETAILS

Scale: AS SHOWN
Designed by: SL
Drawn by: JW
Checked by: JRM
Date: DECEMBER 2017
Project No. 48285014

SHEET
SB3.1



Digitally signed by JAMES R. MEHLRETTER
DN: O=D.0.9.2342.19200300.100.1.1-A0
109800000158F46F62F600000CB
7.CN=JAMES R MEHLRETTER,
O=IdenTrust ACES Unaffiliated
Individual, C=US
Date: 2017.12.15 12:41:57-05'00'

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
5523 WEST CYPRESS ST., #200
TAMPA, FLORIDA 33607
813.287.3600 FAX 813.287.3822
www.mceengineers.com
THIS DRAWING AND ALL INFORMATION ON THIS DRAWING IS THE PROPERTY OF MASTER CONSULTING ENGINEERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.
CA: 8426 PROJ. NO. 3104-056
© COPYRIGHT 2017