RENOVATION OF

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA ST KEY WEST, FLORIDA 33040

BID DOCUMENT SET



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members of



CONSULTANT:

CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

COVER SHEET

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

-001 SHEET: 1 OF 68

9/15/2015 5:14:16 PM

T.B.

T.P.D.

TEMP.

TEL.

TYP.

UTIL.

V.B.

VERT.

VEST.

W.P.

W/

TOGGLE BOLT

TELEPHONE

TYPICAL

VINYL BASE

UTILITY

TEMPERATURE

UNDERCOUNTER

VERIFY IN FIELD

V.W.C. VINYL WALLCOVERING

VERTICAL

VESTIBULE

WATER CLOSET

W.W.F. WELDED WIRE FABRIC

WEATHER PROOF

WIDTH

WITH

WOOD

TOILET COMPARTMENT

TOILET PAPER DISPENSER

INDEX OF DRAWINGS

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MATERIAL SYMBOLS

FIN.

GL.

GR.

GYP.

H.B.

FINISH

FLOOR

CEMENT

GYPSUM

GA. GUAGE

GALV. GALVANIZED

GLASS

GRADE

GYPSUM

HEIGHT

INSUL. INSULATION

HOSE BIBB

HVAC. HEATING, VENTILATING, & AIR

CONDITIONING

INSIDE DIAMETER

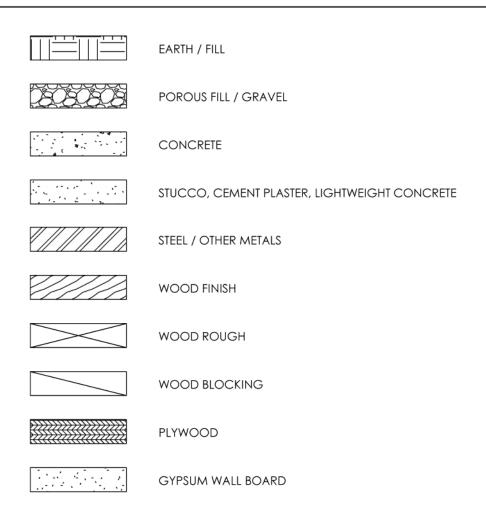
INVERT ELEVATION

G.W.B. GYPSUM WALLBOARD

GENERAL CONTRACTOR

G.F.R.C. GLASS FIBER REINFORCED

G.F.R.G. GLASS FIBER REINFORCED



RIGID INSULATION

BATT INSULATION

ROOM IDENTIFICATION SYMBOL DETAIL MARKER 103 DOOR IDENTIFICATION SYMBOL KEY NOTE BUILDING SECTION MARKER WINDOWLOUVER ID. SYMBOL WALL SECTION MARKER REVISION SYMBOL COLUMN GRID MARKER NORTH ARROW < AXXX) EQUIPMENT ELEVATION TO STATE OF THE PARTY ELEVATION MARK INTERIOR ELEVATION SYMBOL ELEVATION MARKER WALL TYPE INDICATOR — XXXX

GENERAL NOTES

- THE CONTRACT DOCUMENTS FOR THE CITY OF KEY WEST FREDERICK DOUGLASS RECREATION BUILDING INCLUDE THE CONTRACT GENERAL CONDITIONS, SPECIFICATIONS, DRAWINGS, ADDENDA AND CONTRACT MODIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE SET OF DRAWINGS TO EACH SUBCONTRACTOR & TRADE, AS WELL AS FOR INSURING THAT THE WORK OF EACH SUBCONTRACTOR IS COORDINATED WITH THE WORK OF ALL OTHER SUBCONTRACTORS.
- BEFORE BEGINNING WORK AT THE SITE, WHERE POSSIBLE, AND THROUGHOUT THE COURSE OF THE WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF EVERY ITEM AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO THE ARCHITECT BEFORE DOING WORK RELATED TO THAT BEING INSPECTED.
- DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS ARE NOT INTENDED. THE CONTRACTOR IS TO CLARIFY WITH THE ARCHITECT ANY DISCREPANCIES WHICH MAY OCCUR PRIOR TO COMMENCING ANY CONSTRUCTION.
- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AND RESTRICTIONS ENFORCED BY AUTHORITIES HAVING JURISDICTION.
- TRADE, PRODUCT, OR MANUFACTURER'S NAMES OR CATALOG NUMBERS SHOWN ON THE DRAWINGS FOR NEW PRODUCTS ARE TO ESTABLISH QUALITY REQUIRED. IN EACH CASE ADD, BY INFERENCE, AFTER TRADE, PRODUCT OR MANUFACTURER'S NAME, THE PHRASE "OR, AS APPROVED BY ARCHITECT."
- DETERMINE THE LOCATION OF PARTITIONS NOT DIMENSIONED BY THEIR RELATION TO COLUMN FACE OR CENTER WINDOW JAMB OR MULLION, OR OTHER SIMILAR
- ACTUAL LOCATIONS OF LIGHT FIXTURES, PLUMBING FIXTURES, ETC. ARE TO BE AS INDICATED ON ARCHITECTURAL DRAWINGS, ANY CONFLICTS WITH DRAWINGS ARE TO BE RESOLVED WITH THE ARCHITECT PRIOR TO CONSTRUCTION.
- THE LAST DATED REVISION VOIDS AND SUPERSEDES ANY AND ALL PREVIOUS DRAWINGS WITH THE SAME DRAWING NUMBER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DELIVER THE REVISED DRAWINGS TO ALL SUBCONTRACTORS AND SUPPLIERS WITH CLEAR INSTRUCTIONS NOT TO UTILIZE PRECEDING DRAWINGS. ALL COSTS RESULTING FROM A FAILURE TO ISSUE REVISED DRAWINGS IN A TIMELY MANNER SHALL BE ABSORBED BY THE CONTRACTOR. THE OWNER AND ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE ABOVE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL KNOWN EXISTING UTILITIES AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK, ALL FINAL CONNECTIONS FROM THE BUILDING TO EXISTING UTILITIES SHALL BE BY THIS CONTRACTOR.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTION FOR THE SAFETY OF PERSONS AND PROPERTY IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT AS REQUIRED BY GENERAL CONDITIONS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE BETWEEN MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL, AND ARCHITECTURAL DRAWINGS IN ORDER TO VERIFY ALL SLAB, WALL AND ROOF PENETRATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE ALL QUESTIONS PRIOR TO BEGINNING THE WORK. COMMENCEMENT OF WORK SIGNIFIES CONTRACTOR WARRANTS ALL PENETRATIONS ARE CORRECTLY LOCATED AND THAT THE COST OF ANY CORRECTIONS, IF NECESSARY, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 13. ALL DEBRIS SHALL BE REMOVED FROM THE PREMISES BY THE CONTRACTOR AND ALL AREAS SHALL BE LEFT IN A CLEAN CONDITION AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AS REQUIRED BY GENERAL CONDITIONS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- DO NOT OBSTRUCT STREETS, SIDEWALKS, ALLEYS OR OTHER RIGHT-OF-WAYS WITHOUT FIRST OBTAINING PROPER PERMITS.
- 16. ALL FIRE RATED CONSTRUCTION SHALL CONFORM WITH UL TESTED STANDARDS AND/OR LOCAL REQUIREMENTS AS WELL AS THESE CONTRACT DOCUMENTS.
- 17. CONTRACTOR TO PROVIDE AND INSTALL FIRE EXTINGUISHERS AS REQUIRED BY LOCAL FIRE MARSHALL. (SEE LIFE SAFETY PLANS FOR LOCATIONS)
- 18. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SOILS REPORT.

FLORIDA APPROVED PRODUCTS LIST

THE INTENT OF THIS PRODUCT APPROVAL LIST IS AS A BASIS OF DESIGN. ALL PRODUCTS SPECIFIED BY THE ARCHITECT HAVE APPROVAL FROM THE STATE OF FLORIDA. ANY SUBSTITUTIONS MADE BY THE CONTRACTOR SHALL ALSO HAVE FLORIDA PRODUCT APPROVAL AND MEET OR EXCEED THE PERFORMANCE AND QUALITY OF PRODUCTS SPECIFIED BY THE ARCHITECT.

PRODUCT			APPROVAL
CATEGORY	SUB CATEGORY	MANUFACTURER	NUMBER
PANEL WALLS	PRODUCTS INTRODUCED AS A RESULT OF NEW TECHNOLOGY	MAJOR INDUSTRIES	FL 13504.1
PANEL WALLS	STOREFRONTS	YKK AP	FL 14218.3
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLIES	INGERSOLL-RAND	FL 12400.1
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLIES	INGERSOLL-RAND	FL 12400.3
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLIES	YKK AP	FL 12882.1
ROOFING	MODIFIED BITUMEN ROOFING	GAF	FL 5680-R13
ROOFING	METAL ROOF ASSEMBLY	BERRIDGE MANUFACTURING COMPANY	FL 11269.2-R4

GENERAL SITE DATA

PROPERTY DATA: PROPERTY IDENTIFICATION:

PARCEL ID:

KW PT LOT 6 & PT LOT 10 OF TRACT 3 H2-391/93 G13-54/57/575/77 OR56-396/99 OR61-451/52

OR61-451/452 OR1106-123/125 OR1122-1308/11/9

00014720-000000

PROPERTY STREET ADDRESS: 111 OLIVIA STREET KEY WEST, FL 33040

ZONING DISTRICT: HISTORIC NEIGHBORHOOD COMMERCIAL

EXISTING USE: GYMNASIUM

LEVEL III BUILDING ALTERATION

DEVELOPMENT POTENTIAL: 4,000 S.F. MINIMUM LOT AREA: LAND AREA OF PARCEL: 33,700 S.F. TOTAL BUILDING AREA: 18,053 S.F.

> MAXIMUM IMPERVIOUS AREA OF PROPERTY < .60 TOTAL PROPERTY AREA EXISTING IMPERVIOUS AREA: EXISTING TO REMAIN

MAXIMUM FLOOR AREA RATIO (FAR): 1.0 ACTUAL FAR 18,053/33,700 = 0.54

BUILDING ENVELOPE:

BUILDING HEIGHT MAXIMUM BUILDING HEIGHT: 30' - 0" ACTUAL BUILDING HEIGHT: 29' - 8"

<u>MINIMUM BUILDING SETBACKS:</u> <u>REQUIRED</u> EXISTING (ACTUAL) FRONT YARD: OLIVIA ST. 0' - 0" 6' - 9"/60' - 8" SIDE YARDS: FORT ST. 47' - 9" STREET SIDE: EMMA ST. 1' - 11" REAR YARD: ADJOINING PROPERTY 15' - 0" 2' - 8"

EXISTING TO REMAIN - ACCORDING TO SEC. 108-571 OF THE COKW LAND DEVELOPMENT REGULATIONS, PARKING REQUIREMENTS ARE NOT APPLIED WHEN FLOOR AREA IS NOT INCREASED.

BUILDING CODE INFORMATION

PROJECT DATA

GYMNASIUM

12,153 G.S.F. GROSS FLOOR AREA: EXISTING PROPOSED 12,078 G.S.F.

BUILDING BASE FLOOD ELEVATION: 6' - 0''

FLOOD HAZARD AREA: FEMA FLOOD ZONE AE (MAP 12087C1516K)

BUILDING CODE INFORMATION: FLORIDA BUILDING CODE 5TH EDITION - BUILDING (FBC) FLORIDA BUILDING CODE 5TH EDITION - EXISTING BUILDING FLORIDA BUILDING CODE 5TH EDITION - PLUMBING FLORIDA BUILDING CODE 5TH EDITION - MECHANICAL FLORIDA FIRE PREVENTION CODE 5TH EDITION (FFPC)

2014 NFPA 70, NATIONAL ELECTRIC CODE (NEC)

<u>USE AND OCCUPANCY CLASSIFICATION</u> (FBC BUILDING CHAPTER 3) BUILDING OCCUPANCY OR USE

ASSEMBLY **GROUP A-3** SECONDARY BUSINESS GROUP B

TYPES OF CONSTRUCTION (FBC EXISTING BUILDING CHAPTER 4) (FBC BUILDING CHAPTER 6)

LEVEL III BUILDING ALTERATION CONSTRUCTION CLASSIFICATION: TYPE IIB (NON SPRINKLERED)

GENERAL BUILDING HEIGHTS AND AREAS (FBC BUILDING CHAPTER 5)

ALLOWABLE HEIGHT AND BUILDING AREAS (FBC TABLE 502) TYPE II B (SPRINKLERED) ASSEMBLY GROUP A-3 MAXIMUM ALLOWABLE BUILDING HEIGHT: 3 STORIES MAXIMUM ALLOWABLE STORIES: MAXIMUM ALLOWABLE AREA PER FLOOR: 36,442 S.F. (WITH FRONTAGE INCREASE)

 $Aa = \{At + [At \times If] + [At \times Is]\}$ $Aa = \{9,500 + [9,500 \times .836] + [9,500 \times 2]\}$ Aa=36,442 S.F.

W=30 If= [F / P - 0.25]W/30

If= [376/450 - 0.25]30/30 If = 0.836

MEANS OF EGRESS (FBC BUILDING CHAPTER 10)

USE	AREA (SQ. FT.)	LOAD FACTOR (SQ. FT./PERSON) TABLE 1004.1.1	OCCUPANT LOAD
	/ ((C/() Q. 11.)		20/12
SSEMBLY A-3	7812 SF	15	522
SSEMBLY A-3 (STAGE)	1121 SF	15	75
USINESS	1194 SF	100	15
LECTRICAL	156 SF	300	1
TORAGE	501 SF	300	3
	10783 SF	·	616

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT ASSEMBLY GROUP A-3 15 NET/OCCUPANT BUSINESS GROUP B 100 G.S.F./OCCUPANT

EGRESS WIDTH PER OCCUPANT SERVED (FBC 1005.1) STAIRWAYS (INCHES PER OCCUPANT) OTHER EGRESS COMPONENTS (INCHES PER OCCUPANT) 0.2

EGRESS PATH MINIMUM REQUIRED ASSEMBLY GROUP A 44 INCHES

MINIMUM CLEAR WIDTH

500 - 1,000

EXIT ACCESS EXIT ACCESS TRAVEL DISTANCE (FBC TABLE 1016.1) (WITH SPRINKLER SYSTEM) COMMON PATH OF EGRESS TRAVEL (WITH SPRINKLER SYSTEM)

32 INCHES

MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD (FBC TABLE 1021.1) OCCUPANT LOAD MINIMUM NUMBER OF EXITS (PERSONS PER STORY) (PER STORY)

PLUMBING FIXTURES (FBC- PLUMBING CH. 4)

MINIMUM FIXTURES: WATER CLOSETS

MALE - 6 REQUIRED FEMALE - 10 REQUIRED LAVATORIES

FEMALE - 3 REQUIRED MALE - 2 REQUIRED 1 REQUIRED WATER FOUNTAINS SERVICE SINK 1 REQUIRED

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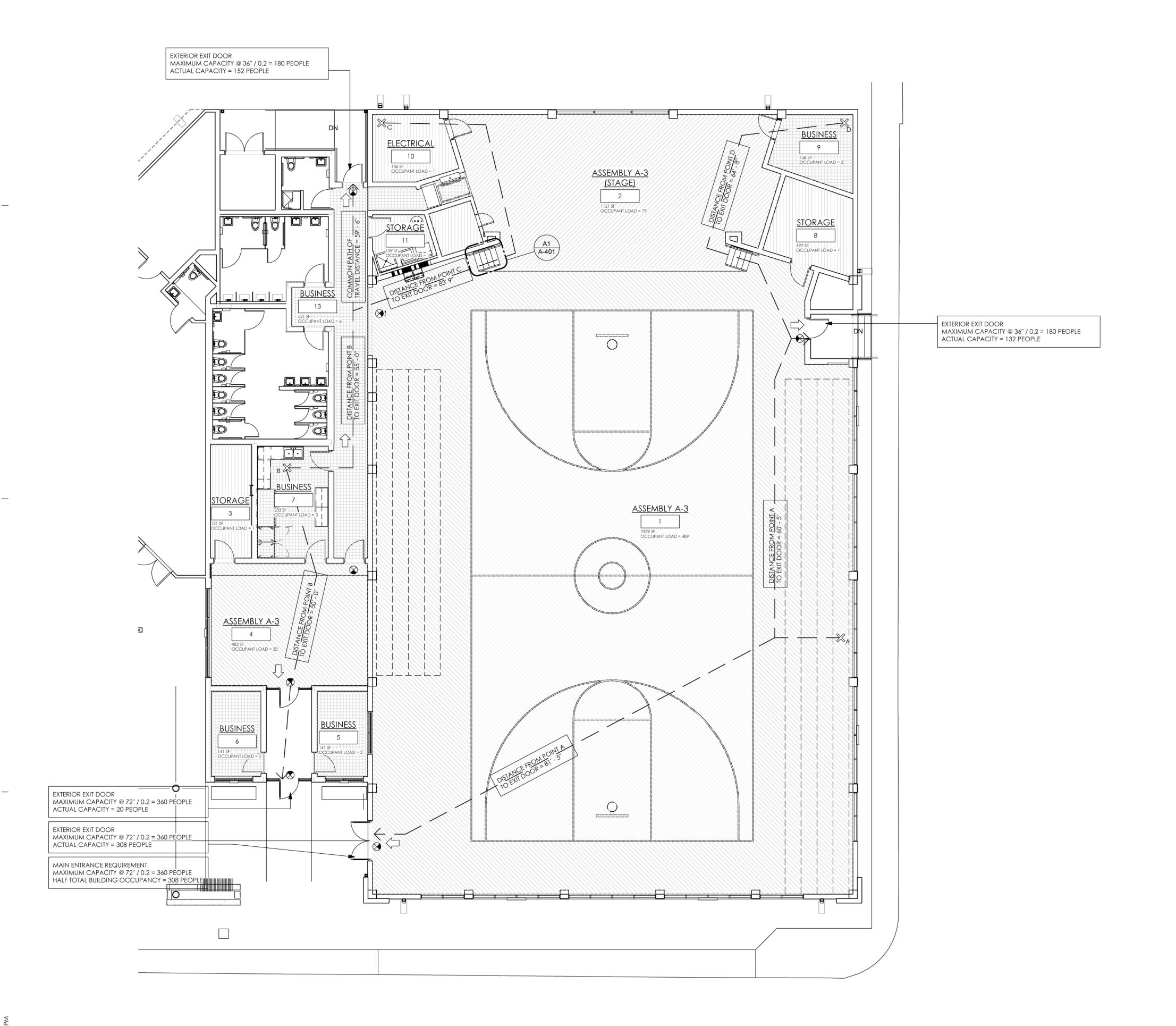
REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

G-002

SHEET: 2 OF 68



LIFE SAFETY PLAN - FIRST FLOOR

1/8" = 1'-0"

0'

4'

8'

OCCUPANT LOAD BY CALCULATION

,				
	USE	AREA (SQ. FT.)	LOAD FACTOR (SQ. FT./PERSON) TABLE 1004.1.1	OCCUPA LOAD
7/////	ASSEMBLY A-3	7812 SF	15	522
	ASSEMBLY A-3 (STAGE)	1121 SF	15	75
	BUSINESS	1194 SF	100	15
	ELECTRICAL	156 SF	300	1
	STORAGE	501 SF	300	3

LIFE SAFETY SYMBOLS LEGEND

ONE HOUR FIRE RESISTANCE RATED WALL

TWO HOUR FIRE RESISTANCE RATED WALL

■ ■ ■ MAX. TRAVEL DISTANCE TO REACH EXIT

DIRECTION OF TRAVEL

SIGN, DOUBLE FACE

CEILING MOUNTED ILLUMINATED EXIT SIGN

CEILING MOUNTED ILLUMINATED EXIT

WALL MOUNTED ILLUMINATED EXIT SIGN

LOCATION OF MOST DISTANT OCCUPANT

MULTIPURPOSE DRY CHEMICAL EXTINGUISHER (2-A RATED) IN RECESSED

MULTIPURPOSE DRY CHEMICAL EXTINGUISHER (20-B RATED)

FIRE ALARM PULL STATION

SMOKE DETECTOR

HEAT DETECTOR

HORN WITH STROBE

FIRE DOOR & FRAME CLASSIFICATION IN HOURS

EMERGENCY LIGHT, BATTERY

COMBINATION EMERGENCY LIGHT AND EXIT SIGN

FIRE ALARM STROBE ONLY

FIRE ALARM CONTROL PANEL

FIRE DEPARTMENT CONNECTION

NOTE: THIS LEGEND REPRESENTS TYPICAL ELEMENTS.
NOT ALL SYMBOLS MAY BE USED IN THE LIFE SAFETY PLAN.

SMOKE PARTITION TO DECK

10783 SF

hayes | cumming

architects

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ANDREW M. HA

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LIFE SAFETY PLAN

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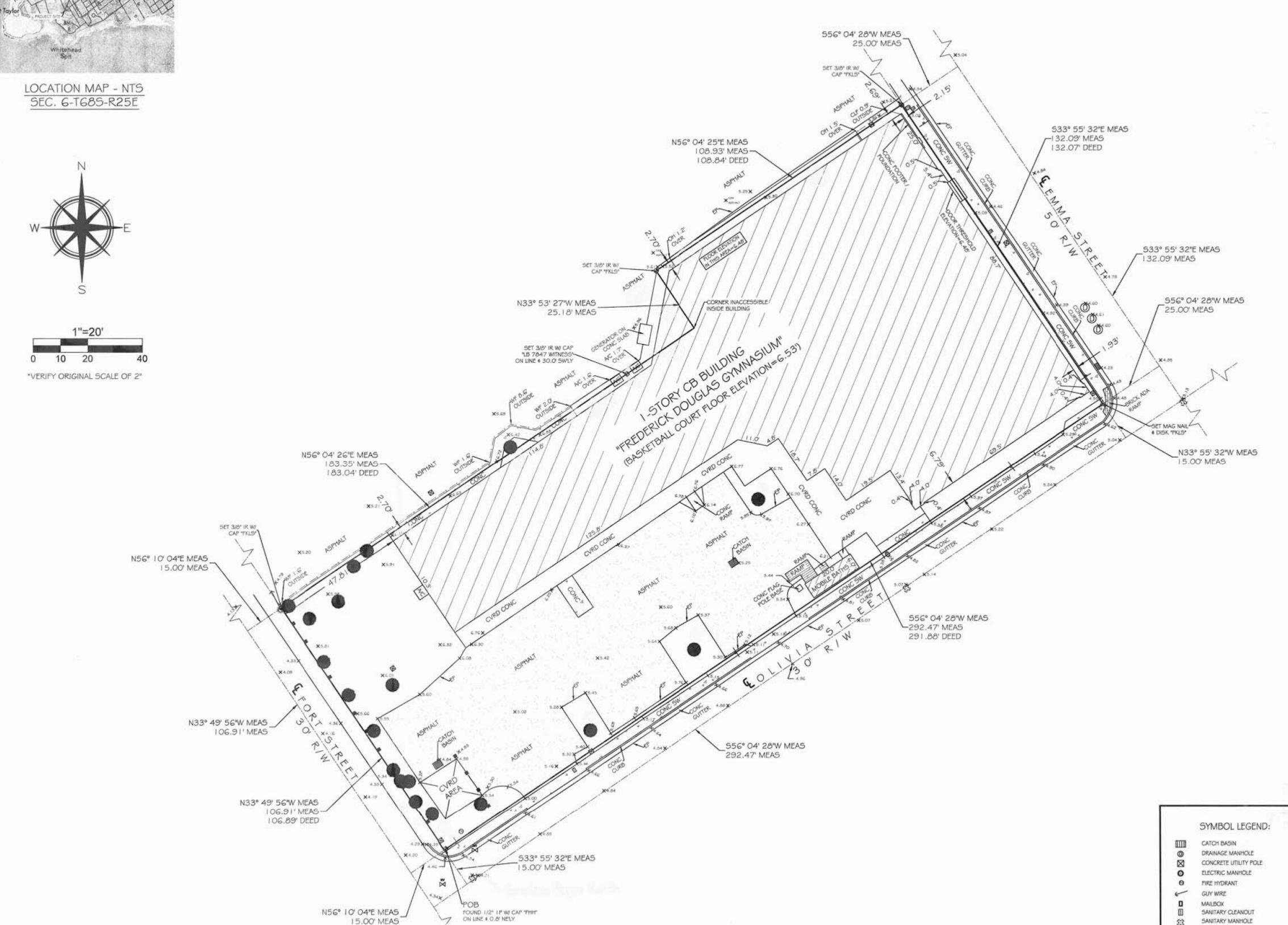
DRAWING NUMBER:

G-003

SHEET: 3 OF 68

FOR INFORMATION ONLY

BOUNDARY & TOPOGRAPHIC SURVEY MAP OF FREDERICK DOUGLAS GYMNASIUM I I I OLIVIA STREET, KEY WEST, MONROE COUNTY, STATE OF FLORIDA



LEGAL DESCRIPTION

In the City of Key West, Monroe County, Flonda, and being known as part of Lots Six (6), and Ten (10), Tract Three (3), according to Charles W. Tift's map, and being more particularly described as follows:

Begin at the intersection of the Northeasterly right-of-way line of Fort Street and the Northwesterly right-of-way line of Olivia Street; thence in a Northwesterly direction along the said Northeasterly right-of-way line of Fort Street for One Hundred Six and 89/100 (106.89) feet; thence at a right angle and in a Northeasterly direction for One Hundred Eighty-three and 04/100 (183.04) feet; thence at a right angle and in a Northwesterly direction for Twenty-five and 18/100 (25.18) feet; thence at a right angle and in a Northeasterly for One Hundred Eight and 84/100 (108.84) feet to the Southwesterly right-of-way line of Emma Street; thence at a right angle and in a Southeasterly direction along the said Southwesterly right-of-way line of Emma Street for One Hundred Thirty-two and 07/100 (132.07) feet to the said Northwesterly right-of-way line of Olivia Street; thence at a right angle and in a Southwesterly direction along the said Northwesterly right-of-way line of Olivia Street for Two Hundred Ninety-one and 88/100 (291.88) feet to the Point of Beginning.

SURVEYOR NOTES -

BEARINGS AND COORDINATES SHOWN HEREON ARE REFERENCED TO GRID NORTH, BASED ON THE 1990 ADJUSTMENT OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83/90), OF THE FLORIDA STATE PLANE COORDINATE SYSTEM (TRANSVERSE MERCATOR PROJECTION), EAST ZONE.

COORDINATES WERE ESTABLISHED BY A REAL-TIME KINEMATIC (RTK) GPS CONTROL SURVEY WHICH IS CERTIFIED TO A 2 CENTIMETER LOCAL ACCURACY, RELATIVE TO THE NEAREST CONTROL POINT WITHIN THE NATIONAL GEODETIC SURVEY (NGS) GEODETIC CONTROL NETWORK.

A) METHOD: WIDE AREA CONTINUOUSLY OPERATING GPS REFERENCE STATION NETWORK.

B) EQUIPMENT USED: TRIMBLE R I O GNSS, SERIAL NUMBER 52494 I 9679 (DUAL FREQUENCY RECEIVER).

C) PROCESSING SOFTWARE: TRIMBLE GEOMATICS OFFICE, VERSION 1.63. D) HORIZONTAL TIES WERE MADE TO THE NATIONAL GEODETIC SURVEY CONTROL POINT "WEST MARTELLO TOWER

2" (P.I.D. AATT46), HAVING A HAVING A DIFFERENTIAL OF N O.O2', E O.12', FROM THE PUBLISHED VALUE OF: WEST MARTELLO TOWER 2 (P.I.D. AA1146)= N 78,401.68 E 394,906.10

ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929).

BENCHMARK DESCRIPTION: NATIONAL GEODETIC SURVEY BENCHMARK "872 4580 TIDAL BASIC" (P.I.D. AAOOO8), ELEVATION=14.32' (NGVD 1929).

ALL ANGLES DEPICTED ARE 90 DEGREES UNLESS OTHERWISE INDICATED.

ALL UNITS ARE SHOWN IN U.S. SURVEY FEET.

ALL FIELD DATA WAS ACQUIRED BETWEEN 10/22/2014-11/06/201

ADDRESS: 111 OLIVIA STREET, KEY WEST, FLORIDA 33040

DFF = D DO = N C 4 G = CD = CC CDW = C CM = C CM = C CM = C CM = C CM = C CM = D CM = C CM = D CM = C CM = D CM = C CM	ACK-PLOW PREVENTER OW OUT 2' CONCRETE CURB 4 GUTTER, PROCRETE BLOCK, CONCRETE BLOCK WALL NTERLINE HANKING, PENCE ONCRETE MONUMENT CONCRETE POWER FOLE CONTREE	BREVIATIONS THAT MAY BE FOUR GUY - GUY BRIE HS - HOSE BB F - RON FITE R - BEON FOR L - ARC LENGTH LS - LANDSCAPING MB - MARLOX MEAS - MEASURED MF - MEAL PROCE MFML - MEAL HIGH WATER LIME NOVD - NATIONAL GEODETIC VERICAL DATION (1929) HTS - NOT TO SCALE ON - FOON TO OVERHANG ONLY - OVERHANG ONLY - OVERHANG ONLY - OVERHANG ONLY - FORMING METER FCC - FORMI OF COMPOUND CURVE FCC - FORMI OF COMPOUND CURVE FCC - FORMI OF COMPOUND CURVE FCC - FORMI OF DEGRADING FC - FORMI OF DEGRADING	POC = POINT OF COMMUNICATION PEC = POINT OF REVERSE GUIVE PEM = PEXIMMENT REFERENCE MORLMENT PT = POINT OF TANGENT R = ROOLS RW = RIGHT OF WAY LINE BECO = SMATTANY SEWER CLEAV-OUT SW = SEC WAX TEM = TEMPORACY DENOTRARIX TOS = TOP OF BANK TOS = TOP OF BANK TOS = TOP OF BANK TOS = TOP OF SIGN TYP = TYPICAL LIPE = LINEZADARIZ LIPE = UTILITY ENGEMENT WO = WOOD DECK	
--	---	--	---	--

DTE: FOUNDATIONS BENEATH THE SURFACE ARE NOT SHOWN, MEASURED DIMENSIONS EQUAL

DESCRIPTIONS NOR HAVE ADJOINING PROPERTIES BEEN RESEARCHED TO DETERMINE OVERLATS OR HIATUS. ADDITIONS OR DELETIONS TO SURVEY MAP OR REPORT BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY. THE BOLD LINE SHOWN HEREON REPRESENTS THE SURVEYORS OPINION OF THE DEED LINES. THE MEAN HIGH WATER LINE WAS NOT DETERMINED. OR THIS SURVEY, THE APPARENT MEAN HIGH WATER LINE IS SHOWN FOR REFERENCE ONLY.

> HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTERS 2014-17 4 5J-17 05, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES AND COMPLES WITH CHAPTER 177, PART II FLORIDA STATUTES.



SIGNATURE AND THE RAISES SEAL OF A FLORIDA SURVEYOR AND MAPPER



EMAIL: FKLSemail@Gmail.com

SIGN

TOTAL AREA = 34,001.17 SQFT±

(0.78 ACRES±)

TELEPHONE MANHOLE WATER VALVE

WATER METER

WELL TEST STATION WOOD UTILITY POLE

WOOD 4*X4* POST TREE (TYPICAL)

X4.85 SPOT ELEVATION (TYPICAL)

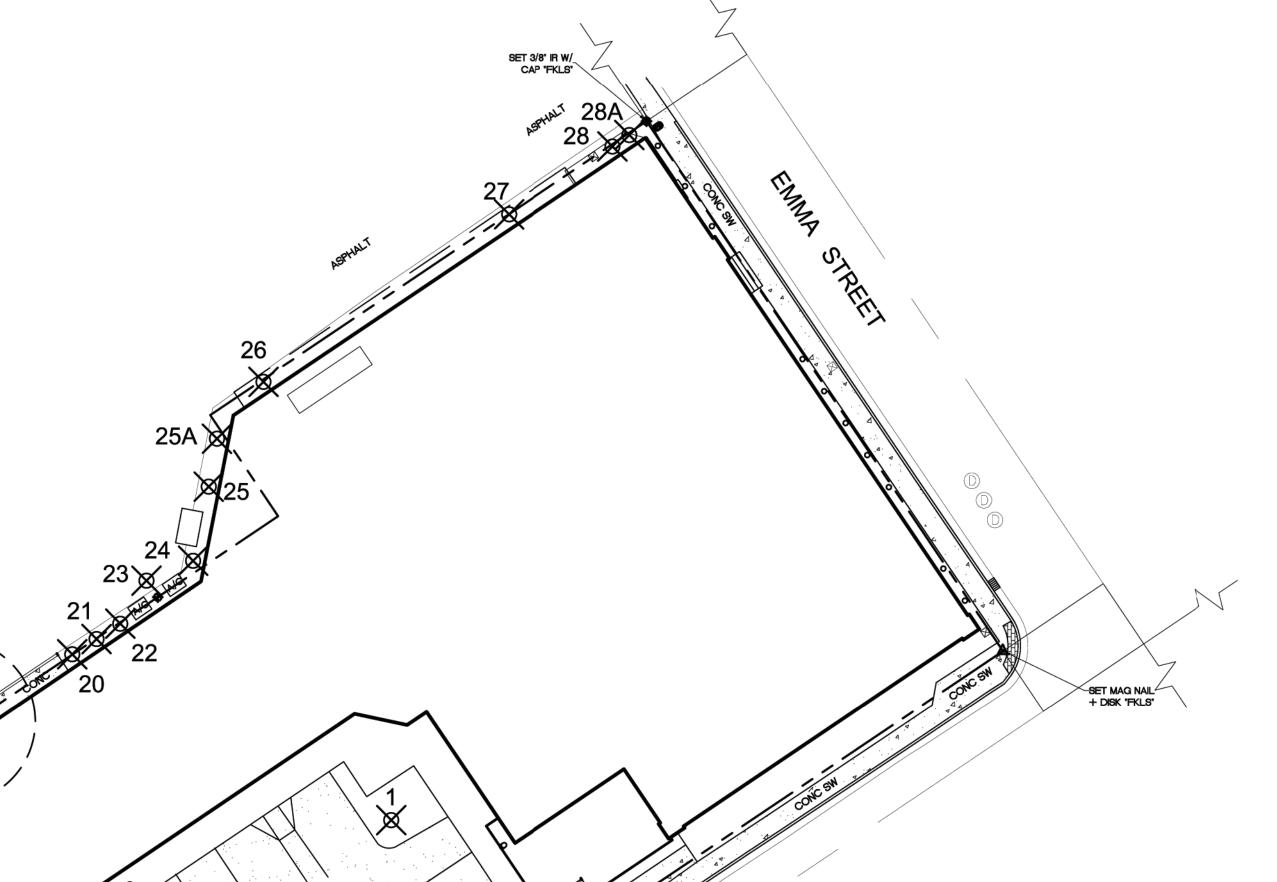
BOUNDARY & TOPOGRAPHIC SURVEY MAP FREDERICK DOUGLAS GYMNASIUM KEY WEST, MONROE COUNTY, STATE OF FLORIDA

DATE: 11/07/2014	SURVEY BY: EAI	PROJECT: CKW PO#93085
ORDER:	DRAWN BY: MPB	H. SCALE: 1"=20'
BOOK:	CHECKED BY:	SHEET 4 OF 68

EXISTING TREE TABLE

NUMBER	COMMON NAME	BOTANICAL NAME	DBH	RATING	REPLACEMENT	STATUS	PERMIT REQUIRE
1	UNKNOWN	CAESALPINNA SPECIES	3" \$ 4"	2	7.4"	R	Y
2	WILD TAMARIND	LYSILOMA LATISILIQUUM	11"	3	0	5	Y
3	WILD CINNAMON	CANELLA MINTERANA	11"	3	0	s	Y
4	GUMBO LIMBO	BURSERA SIMARUBA	20"	3	0	s	Y
4A	BRAZILIAN PEPPER	SCHINUS TEREBINTHIFOLIUS		3	0	R	N
5	THATCH PALM	THRINAX RADIATA		3	0	s	Y
6	BLACK OLIVE	BUCIDA BUCERAS	3" \$ 4"	3	0	s	N
7	SIMPSON STOPPER	MYRCIANTHES FRAGRANS	3"	2	0	s	Y
8	SPANISH STOPPER	EUGENIA FOETIDA	4"	2	0	s	Y
9	CABBAGE PALM PUP	SABAL PALMETTO		3	0	5	Y
9A	POTATO TREE	SOLANUM ERIANTHUM	3"	ı	0	R	N
10	THATCH PALM	THRINAX RADIATA		3	0	5	Y
П	GUMBO LIMBO	BURSERA SIMARUBA	10"	3	0	5	Y
12	THATCH PALM	THRINAX RADIATA		3	0	5	Y
13	THATCH PALM	THRINAX RADIATA		3	0	5	Y
14	ROYAL POINCIANA	DELONIX REGIA	16"	3	0	5	Y
15	THATCH PALM	THRINAX RADIATA		3	0	5	Y
16	ROYAL POINCIANA	DELONIX REGIA	13"	3	0	5	Y
17	GUMBO LIMBO	BURSERA SIMARUBA	15"	3	0	5	Y
18	THATCH PALM	THRINAX RADIATA		3	0	5	Y
I8A	BRAZILIAN PEPPER	SCHINUS TEREBINTHIFOLIUS		3	0	R	N
19	UNKNOWN	UNKNOWN	17"	3	0	s	N
20	CABBAGE PALM PUP	SABAL PALMETTO		3	0	R	N
21	BLACK OLIVE	BUCIDA BUCERAS		3	0	R	N
22	BLACK OLIVE	BUCIDA BUCERAS	8"	3	0	R	N
23	BLACK OLIVE	BUCIDA BUCERAS	7"	3	0	Ŕ	N
24	MAHOGANY	SMIETENIA MAHAGONI	l"	3	.6"	R	Y
25	BLACK OLIVE	BUCIDA BUCERAS	6"	3	0	R	N
25A	BLACK OLIVE CLUMP	BUCIDA BUCERAS		3	0	R	N
26	UNKNOWN CLUMP	UNKNOWN		3	0	R	N
27	FIREBUSH	HAMELIA NODOSA	3"	3	0	R	N
28	HIBISCUS	HIBISCUS ROSA-SINENSIS		3	0	R	N
28A	FICUS	FICUS SPECIES		3	0	R	N
TOTAL	DEFICIT INCHES				8"		

EXISTING TREE TO REMAIN EXISTING TREE TO REMOVE



CONDITION CHART

I POOR
2 FAIR
3 GOOD
4 EXCELLENT

TREE REMOVAL PLAN

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

TREE REMOVAL PLAN

hayes | cumming

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andrew m. hayes, aia, leed bd+c © Copyright - All Rights Reserved

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CONSULTANT:

CLIENT / PROJECT NAME:

RENOVATION TO

FREDERICK DOUGLASS

RECREATION CENTER

CITY OF KEY WEST

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

revisions:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

L-001

SHEET: 5 OF 68

PLANT MATERIAL LIST

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING
CR	3	CLUSIA ROSEA	PITCH APPLE	12' HT X 5' SPD, 3" CALIPER	AS SHOWN
AE	4	ARDISIA ESCALLONIOIDES	MARLBERRY	54" HT X 36" SPD, I5 GALLON	AS SHOWN
ZF	28	ZAMIA FLORIDANA	COONTIE	18" HT X 18" SPD, 3 GALLON	36" OC
CH	40	CHRYSOBALANUS ICACO	COCOPLUM	24" HT X 24" SPD, 3 GALLON	36" OC
HP	20	HAMELIA PATENS "COMPACTA"	DWARF FIREBUSH	24" HT X 24" SPD, 3 GALLON	36" OC
HL	28	HYMENOCALLIS LATIFOLIA	SPIDER LILY	12" HT X 12" SPD, 3 GALLON	AS SHOWN
₽Ν	86	PSYCHOTRIA NERVOSA "LITTLE PSYCHO"	DWARF WILD COFFEE	18" HT X 18" SPD, 3 GALLON	36" OC
EL	135	ERNODEA LITTERALIS	GOLDEN CREEPER	8" HT X 8" SPD, I GALLON	24" 00
CI	<i>6</i> 5	CROSSOPETALUM ILICIFOLIUM	QUAIL BERRY	8" HT X 8" SPD, I GALLON	24" OC
GP	48	GAILLARDIA PULCHELLA	BLANKET FLOWER	8" HT X 8" SPD, I GALLON	24" 00
LM	5	LANTANA MONTEVIDENSIS	LAVENDER WEEPING LANTANA	4" HT X 12" SPD, I GALLON	AS SHOWN

LANDSCAPE INSTALLATION NOTES

I) ALL PLANT MATERIALS SHALL BE FLORIDA #I OR BETTER AS GIVEN IN, <u>GRADES AND STANDARDS</u> FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

2) LOCATION OF PLANTS ON THE PLAN ARE DIAGRAMMATIC- SEE THE LANDSCAPE ARCHITECT FOR QUESTIONS ON EXACT LOCATIONS. THE PLANT MATERIALS LIST IS PROVIDED FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE PLANT LIST AND THE PLAN, THE PLAN SHALL PREVAIL.

3) IT IS THE LANDSCAPE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL PLANT BED AREAS HAVE PROPER DRAINAGE FOR OPTIMUM GROWTH OF LANDSCAPE MATERIAL BEFORE INSTALLATION

4) THE CONTRACTOR SHALL ENSURE THAT ALL PLANTING ISLANDS AND OTHER AREAS SHALL BE CLEAN OF TRASH, CONSTRUCTION DEBRIS, OR OTHER WASTE MATERIALS TO A DEPTH OF 24" PRIOR TO LANDSCAPE INSTALLATION.

5) ALL PLANT BEDS AND TREE RINGS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE AND THEN TOP-DRESSED WITH 3" DEEP PINE BARK NUGGETS. ALL NEW TREES SHALL HAVE A TREE RING WITH A MINIMUM OF 24" RADIUS, ALL NEW TREES AND PALMS SHALL BE STAKED. ALL EXISTING TREES TO REMAIN SHALL HAVE A 6' RADIUS MULCH RING AT A DEPTH OF 3".

6) NEW SOD SHALL BE ± 600 SQ. FT OF ARGENTINE BAHIA SOD AS SHOWN ON THE PLAN. CONTRACTOR SHALL DETERMINE EXACT QUANTITIES IN THE FIELD. SOD AREAS SHALL BE MAINTAINED BY THE CONTRACTOR FROM THE TIME OF INSTALLATION TO THE TIME OF FINAL ACCEPTANCE.

7) TREES SHRUBS, AND GROUND COVER SHALL BE INSTALLED USING THE FOLLOWING PROCEDURE: PLANT PITS SHALL BE EXCAVATED TO TWICE THE DIAMETER OF THE PLANT ROOT BALL. AERATE EXISTING SOIL BEFORE BACKFILLING PIT.

8) TREE INSTALLATION: ALL REQUIRED TREES SHALL BE INSTALLED I" - 2" ABOVE FINISH GRADE. TREES INSTALLED OR BURIED TOO DEEP SHALL BE RESET TO THIS STANDARD. REMOVE THE TOP 1/3 OF THE WIRE BASKETS ON ALL B & B STOCK.

ESTABLISHMENT PERIOD WATERING SCHEDULE

DURING LANDSCAPE INSTALLATION THE CONTRACTOR SHALL WATER-IN INSTALLED LANDSCAPE MATERIALS AND CONTINUE WATERING UNTIL SUBSTANTIAL COMPLETION. AT SUBSTANTIAL COMPLETION THE CONTRACTOR SHALL BEGIN THE FOLLOWING 90 DAY WATERING SCHEDULE. THE LANDSCAPE CONTRACTOR SHALL WATER ALL PLANT MATERIALS SHOWN ON THE LANDSCAPE PLANTING PLANS, FOR A THIRTEEN WEEK, NINETY DAY WATERING PERIOD BASED ON THE FOLLOWING PLANT ESTABLISHMENT PERIOD SCHEDULE.

15 GALLON CONTAINER PLANTS: 15 GALLONS WATER/EACH APPLICATION 7 GALLON CONTAINER PLANTS: 10 GALLONS WATER/EACH APPLICATION 3 GALLON CONTAINER PLANTS: 5 GALLONS WATER/EACH APPLICATION I GALLON CONTAINER PLANTS: 3 GALLONS WATER/EACH APPLICATION

IST 4 WEEKS @ 3 APPLICATIONS PER WEEK = 12 EVENTS 2ND 4 WEEKS @ 2 APPLICATIONS PER WEEK = 8 EVENTS 3RD 5 WEEKS @ I APPLICATION PER WEEK = 5 EVENTS

TOTAL NUMBER OF APPLICATIONS =

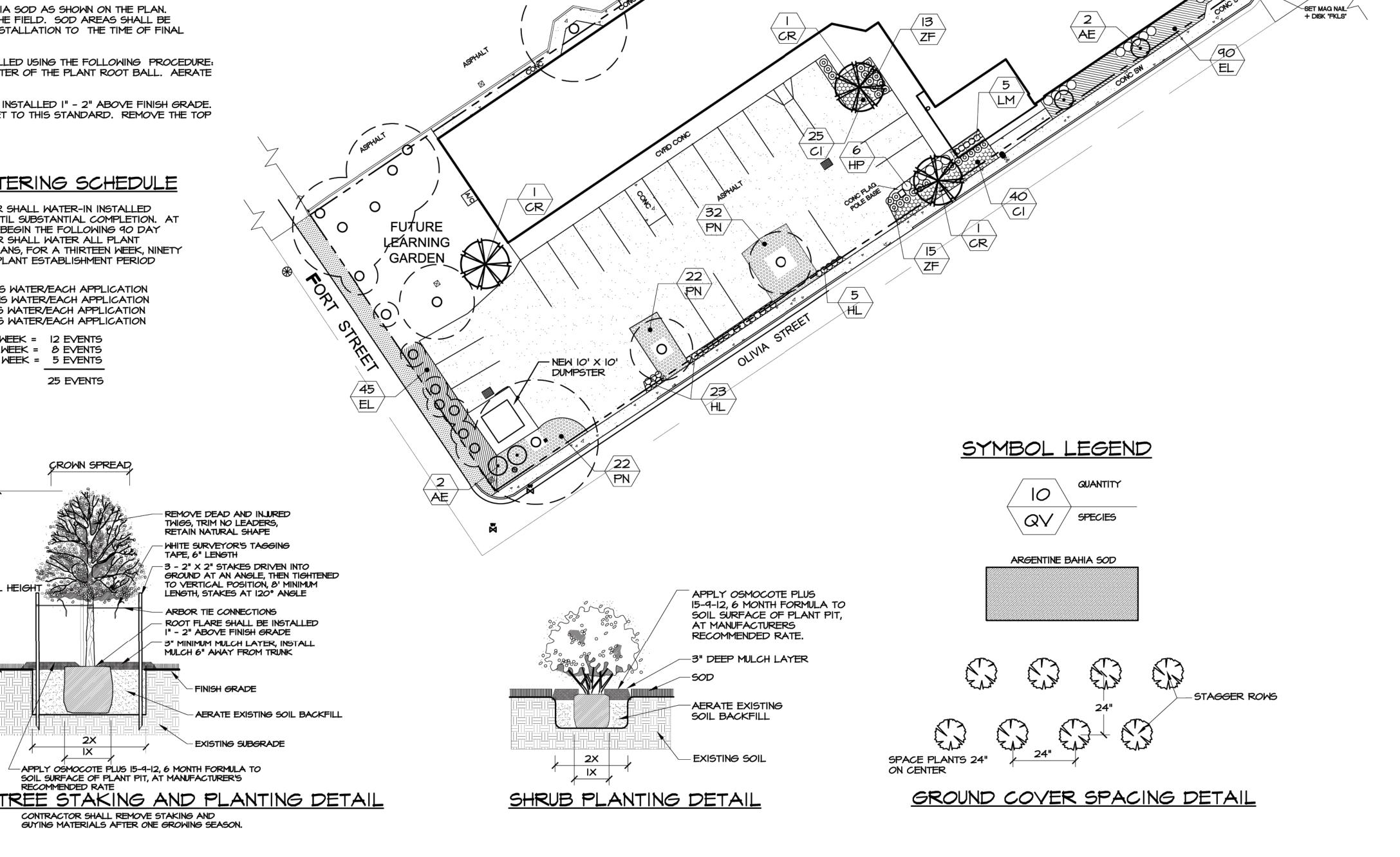
25 EVENTS

CROWN SPREAD

2X

RECOMMENDED RATE

OVERALL HEIGHT



SET 3/8" IR W/_ CAP 'FKLS'

\CH/

| hayes | cumming

architects

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CONSULTANT:

CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

LANDSCAPE PLAN

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

SHEET: 6 OF 68

ANDSCAPE PLAN

STRUCTURAL SPECIFICATIONS

MISCELLANEOUS

- 1. THE STRUCTURAL SYSTEM IS UNSTABLE UNTIL ALL CONNECTIONS HAVE BEEN MADE AND ALL CONCRETE HAS REACHED ITS MINIMUM DESIGN STRENGTH, AS SHOWN IN THE STRUCTURAL DOCUMENTS.
- 2. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE BUILDING UNTIL STRUCTURAL SYSTEM IS COMPLETED. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- 3. CONTRACTOR TO SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION.
- 4. APPLICABLE BUILDING CODE: 5TH EDITION (2014) FLORIDA BUILDING CODE.
- GRAVITY DESIGN LOADS:

	SUPERIMPOSED	TOTAL
<u>AREA</u>	LIVE LOAD	<u>DEAD LOAD</u>
NEW ADDITION ROOF	20 PSF	25 PSF
EXISTING GYMNASIUM	ROOF 20 PSF	15 PSF

- ROOF SNOW LOADS: PG = 0 PSF
- 7. WIND DESIGN CRITERIA:
 - ULTIMATE BASIC WIND SPEED: VULT = 200 MPH (3 SECOND GUST) EQUIVALENT NOMINAL BASIC WIND SPEED

VASD = 155 MPH (3 SECOND GUST)

RISK CATEGORY = III EXPOSURE CATEGORY = C

- ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT, GCPI= \pm +/-0.18 WIND BORNE DEBRIS REGION
- 8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.
- 9. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
- 10. CONTACT ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON DRAWINGS.
- 11. BUILDING EXPANSION JOINTS (EJ), WHERE SHOWN, WILL EXPAND AND CONTRACT OVER THE LIFE OF THE BUILDING. JOINT SEALANTS AND COVERS MUST ACCOMMODATE THIS MOVEMENT.
- 12. SECTIONS AND DETAILS ARE REFERENCED IN TYPICAL LOCATIONS BUT ALSO APPLY TO ALL OTHER SIMILAR CONDITIONS.
- 13. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- 14. SUBMIT SHOP DRAWINGS AS REQUIRED HEREIN. ALLOW FOR TWO WEEKS REVIEW TIME AFTER RECEIPT OF SUBMITTALS BY THIS FIRM. ALL SUBMITTALS SHALL BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR AND SIGNED/SEALED BY THE DELEGATED ENGINEER, WHERE SPECIFIED HEREIN.
- 15. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW THEREOF.
- 16. ANY CHANGES TO THE STRUCTURE SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.
- 17. CONTRACTOR SHALL NOTIFY THIS OFFICE WHEN THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETED, AND BEFORE SHEATHING, CEILINGS, OR ROOFING IS INSTALLED.

DELEGATED ENGINEER

- 1. WHERE NOTED HEREIN, A LICENSED PROFESSIONAL (DELEGATED) ENGINEER SHALL BE RETAINED TO DESIGN THE PRODUCT OR ASSEMBLY.
- 2. THE DELEGATED ENGINEER SHALL BE EXPERIENCED IN THE DESIGN OF THE REFERENCED PRODUCT OR ASSEMBLY.
- 3. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.
- 4. IT IS THE DELEGATED ENGINEER'S RESPONSIBILITY TO REVIEW THE ENGINEER OF RECORD'S WRITTEN ENGINEERING REQUIREMENTS AND AUTHORIZATION FOR THE DELEGATED ENGINEERING DOCUMENT TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.
- 5. THE DELEGATED ENGINEERING DOCUMENT SHALL COMPLY WITH THE WRITTEN ENGINEERING REQUIREMENTS RECEIVED FROM THE ENGINEER OF RECORD. THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE CRITERIA USED AS A BASIS FOR ITS PREPARATION. IF A DELEGATED ENGINEER DETERMINES THERE ARE DETAILS, FEATURES OR UNANTICIPATED PROJECT LIMITS WHICH CONFLICT WITH THE WRITTEN ENGINEERING REQUIREMENTS PROVIDED BY THE ENGINEER OF RECORD, THE DELEGATED ENGINEER SHALL TIMELY CONTACT THE ENGINEER OF RECORD FOR RESOLUTION OF CONFLICTS.
- THE DELEGATED ENGINEER SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE ENGINEER OF RECORD FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AND INCLUDE:
- 7. DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
- A) CALCULATIONS.

EXISTING BUILDINGS

NFORMATION ON THE EXISTING BUILDING, SHOWN ON THESE PLANS, WAS OBTAINED FROM HAYES/CUMMING ARCHITECTS AS WELL AS INFORMATION GATHERED FROM SITE VISITS. EXISTING INFORMATION DOES NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THESE PLANS AND NOTIFY THE ENGINEER OF ANY VARIATION.

SITE WORK

- A SUBSURFACE INVESTIGATION HAS BEEN COMPLETED AT THE PROJECT SITE BY WINGERTER LABORATORIES, INC. SOIL BORING LOGS AND SITE PREPARATION PROCEDURES ARE INCLUDED IN THE PROJECT SOILS REPORT WLI ORDER NO. 13-1194, DATED JUNE 18, 2013, WHICH IS AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS.
- 2. SITE WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SOILS
- 3. CONTRACTOR SHALL REVIEW THE SOILS REPORT AND VERIFY THAT TEST BORINGS HAVE BEEN DONE UNDER ALL BUILDING(S) PRIOR TO BEGINNING EARTHWORK.
- 4. INFORMATION FROM GEOTECHNICAL REPORT:
- A) DESIGN SOIL BEARING PRESSURE = 4,000 PSF.
- 5. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING MINIMUM TESTS. REFER TO SOILS REPORT FOR ANY ADDITIONAL
- A) ONE DENSITY TEST FOR EACH 2,000 SQUARE FEET OF
- COMPACTED SUBGRADE AND COMPACTED FILL. B) ONE DENSITY TEST AT EACH COLUMN FOOTING.
- C) ONE DENSITY TEST PER 50 FEET OF WALL FOOTING.
- 6. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.
- 7. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.
- 8. THE SIDES OF FOOTINGS MAY BE EARTH_FORMED IF THE EXCAVATION CAN BE KEPT VERTICAL, CLEAN, AND STABLE, OTHERWISE, PLYWOOD FORMS MUST BE USED.
- 9. EXERCISE CARE WHEN COMPACTING NEAR ADJACENT STRUCTURES. FOLLOW THE RECOMMENDATIONS IN THE SOILS REPORT AND DOCUMENT EXISTING CONDITIONS WITH PHOTOGRAPHS PRIOR TO STARTING WORK.
- 10. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITY LINES, TANKS, ETC. WITHIN THE CONSTRUCTION AREA AND RELOCATE THEM AS DIRECTED BY THE CIVIL ENGINEER.

CAST IN PLACE CONCRETE

- 1. ALL CAST-IN-PLACE CONCRETE WORK INCLUDES REINFORCING STEEL AND RELATED WORK SHOWN INCLUDING FORMWORK. SETTING ANCHOR BOLTS. PLATES. FRAMES, DOWELS FOR MASONRY OR OTHER ITEMS EMBEDDED IN CONCRETE.
- 2. APPLICABLE STANDARDS
- ACI NUMBER TITLE
- 117 STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION
- 226 GROUND GRANULATED BLAST-FURNACE SLAG 301 STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
- 302 GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION
- 304 GUIDE FOR MEASURING MIXING, TRANSPORTING AND PLACING CONCRETE
- 304.2R PLACING CONCRETE BY PUMPING METHODS.
- 305R HOT WEATHER CONCRETING
- 306R COLD WEATHER CONCRETING
- 308 STANDARD PRACTICE FOR CURING CONCRETE
- 309R GUIDE FOR CONSOLIDATION OF CONCRETE
- 315 MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES
- 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK

CRSI NUMBER TITLE

- RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS
- 3. CONCRETE MATERIALS

A) PORTLAND CEMENT — ASTM C 150, TYPE I

- B) AGGREGATES NORMAL WEIGHT CONCRETE, COARSE AND FINE, ASTM C33.
- STRUCTURAL LIGHT WEIGHT ASTM C330. C) AIR-ENTRAINING - ASTM C260
- D) WATER REDUCING ASTM C494, TYPE A
- E) WATER FRESH, CLEAN AND POTABLE F) NO ACCELERATORS, RETARDERS OR ADMIXTURES CONTAINING CHLORIDES WILL BE PERMITTED
- G) FLY-ASH ASTM C618, CLASS F, 20% MAXIMUM OF CEMENTITIOUS MATERIAL BY WEIGHT. DO NOT USE FOR EXPOSED SLABS OR ARCHITECTURAL CONCRETE.
- H) SUPER PLASTICIZER ASTM C494, TYPE F OR G, WHERE AUTHORIZED BY THE ENGINEER.
- I) GROUND GRANULATED BLAST-FURNACE SLAG CEMENT ASTM C989, 50% MAXIMUM BY WEIGHT
- J) MAXIMUM AGGREGATE SIZE FOOTINGS = #57, OTHERS #67

- 4. REINFORCING MATERIALS
- A) DEFORMED BARS ASTM A615, GRADE 60
- B) SMOOTH DOWELS ASTM A615, PLAIN BARS, MINIMUM YIELD STRENGTH OF
- 60,000 PSI. C) CORROSION RESISTANT UNCOATED STEEL (MMFX-2) - ASTM A615, GRADE

75 AND ASTM A1035 LOW-CARBON (8% MINIMUM) CHROMIUM BY MMFX OR

- EQUAL. D) WELDED WIRE FABRIC - ASTM A185, PLAIN WIRE FABRIC IN FLAT SHEETS
- E) ACCESSORIES TO CONFORM TO ACI 315.
- F) WHERE CONCRETE SURFACES ARE EXPOSED, MAKE THOSE PORTIONS OF ALL ACCESSORIES IN CONTACT WITH THE CONCRETE SURFACE OR WITHIN 1/2 INCH THEREOF. OF PLASTIC OR STAINLESS STEEL
- 5. PROVIDE THE FOLLOWING MINIMUM CONCRETE STRENGTHS AT 28 DAYS: A) FOOTINGS, SLAB-ON-GRADE-----3000 PSI
- B) MASONRY WALL BEAMS, TIE COLUMNS-----3000 PSI C) FORMED COLUMNS, WALLS, BEAMS & SLABS-----4000 PSI
- CONCRETE MUST BE BATCHED, MIXED AND TRANSPORTED IN ACCORDANCE WITH 28. SLOPE WALKWAYS TO DRAIN AWAY FROM THE BUILDING. THE SPECIFICATIONS FOR READY-MIXED CONCRETE ASTM C94.
- 7. REQUIRED SLUMP = 4 PLUS OR MINUS ONE INCH.
- 8. CONCRETE MUST BE PLACED WITHIN 90 MINUTES OF BATCH TIME. WHEN AIR TEMPERATURE IS BETWEEN 85 AND 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 75 MINUTES. WHEN AIR TEMPERATURE IS HIGHER THAN 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.
- 9. DO NOT ADD WATER AT THE JOB SITE WITHOUT APPROVAL OF THE PROJECT SUPERINTENDENT. DO NOT EXCEED THE SLUMP LIMITATION. USE ONLY COLD. WATER FROM THE TRUCK TANK. ANY ADDED WATER MUST BE INDICATED ON 30. TESTING THE DELIVERY TICKET PLUS THE NAME OF THE PERSON AUTHORIZING. TEST CYLINDERS SHALL BE TAKEN AFTER THE ADDITION OF WATER.
- 10. LAP SPLICE REINFORCING PER CONCRETE LAP SCHEDULE MINIMUM UNLESS OTHERWISE SHOWN OR NOTED.
- 11. PROVIDE CORNER BARS AT ALL WALL FOOTING, WALL AND BEAM CORNERS. SIZE AND NUMBER TO MATCH HORIZONTAL BARS.
- 12. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND NUMBER OF VERTICAL BARS. EMBED DOWELS TO:
- A) 3" ABOVE BOTTOM OF FOOTINGS 13. REINFORCEMENT SHALL BE FASTENED AND SECURED TOGETHER TO PREVENT

DISPLACEMENT BY CONSTRUCTION LOADS OR THE PLACING OF CONCRETE.

- 14. REINFORCING BAR COVER A) FOOTINGS 2" (TOP), 3" (SIDES AND BOTTOM)
 - B) COLUMNS AND BEAMS 1-1/2"
- C) SLABS 3/4" (INTERIOR), 1-1/2" (EXTERIOR)
- 15. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, LENGTH OF HOOK, REQUIRED. IS NOT INCLUDED.
- 16. SELECT PROPORTIONS IN ACCORDANCE WITH ACI 301 TO PROVIDE CONCRETE CAPABLE OF BEING PLACED WITHOUT EXCESSIVE SEGREGATION AND WITH ACCEPTABLE FINISHING PROPERTIES, DURABILITY, SURFACE HARDENERS, APPEARANCE. AND STRENGTH REQUIREMENTS REQUIRED BY THESE SPECIFICATIONS.
- 17. CHAIR WELDED WIRE FABRIC REINFORCING AT 3'-0" ON CENTER MAXIMUM IN EACH DIRECTION.
- 18. MAXIMUM WATER TO CEMENT RATIO WHEN NO BACK-UP DATA IS AVAILABLE:
 - A) 4000 PSI, 28-DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.44 MAXIMUM (NON-AIR-ENTRAINED), 0.36 MAXIMUM (AIR-ENTRAINED)
 - B) 3000 PSI, 28-DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.58 MAXIMUM (NON-AIR-ENTRAINED), 0.47 MAXIMUM (AIR-ENTRAINED).
- 19. DATA TO BE SUBMITTED:
 - A) INTENDED USAGE AND LOCATION FOR EACH TYPE
 - B) MIX DESIGN FOR EACH TYPE
- C) CEMENT CONTENT IN POUNDS-PER-CUBIC YARD
- D) CCARSE AND FINE AGGREGATE IN POUNDS/CUBIC YARD
- E) WATER CEMENT RATIO BY WEIGHT F) CEMENT TYPE AND MANUFACTURER
- G) SLUMP RANGE
- H) AIR CONTENT ADMIXTURE TYPE AND MANUFACTURER
- J) PERCENT ADMIXTURE BY WEIGHT
- K) STRENGTH TEST DATA REQUIRED TO ESTABLISH MIX DESIGN. STEEL INCLUDING ACCESSORIES THAT HAVE BEEN REVIEWED AND STAMPED
- ELEVATIONS (IE. TOP OF CONCRETE) 20. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CONSTRUCTION

BY THE GENERAL CONTRACTOR. INCLUDE ALL REQUIRED DIMENSIONS AND

- OF FORMWORK, SHORING AND RE-SHORING IN ACCORDANCE WITH ACI 347. A) FORM AND SHORING DESIGN BY A P.E. REGISTERED IN THE STATE OF
- WHEN REQUIRED BY FLORIDA THRESHOLD LAW. 22. CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS MUST BE MADE AND
- LOCATED TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. A) NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS, 2. PLANT RECORDS OF PRODUCTION AND QUALITY CONTROL SHALL BE KEPT IN GIRDERS AND SLABS.

- B) LOCATION OF ANY CONSTRUCTION JOINT NOT SHOWN IS SUBJECT TO REVIEW AND ACCEPTANCE BY ENGINEER.
- 23. INTERNAL VIBRATION, PROPERLY APPLIED IS THE REQUIRED METHOD OF CONSOLIDATING PLASTIC CONCRETE.
- 24. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
- 25. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, AND SLAB RECESSES AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED. NO SLEEVE, OPENINGS, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMN UNLESS APPROVED BY THE ENGINEER.
- 26. CONTRACTOR SHALL VERIFY EMBEDDED ITEMS INCLUDING, BUT NOT LIMITED TO, ANCHOR BOLTS, BOLT CLUSTERS, WELD PLATES, ETC., BEFORE PLACING CONCRETE. NOTIFY ENGINEER OF ANY CONFLICTS WITH REBAR.
- 27. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISHES.
- 29. BUILDING FLOOR AND SITE SLABS-ON-GRADE SHALL BE 4" MINIMUM THICKNESS, UNLESS NOTED OTHERWISE.
- A) REINFORCED WITH 6X6 W1.4 X W1.4 W.W.F.
- B) PLACED ON 10 MIL POLYETHYLENE VAPOR RETARDER. LAP 6" AND TAPE
- D) PROVIDE HOUSEKEEPING PADS AS REQUIRED.
- A) A QUALIFIED TESTING LAB SHALL BE RETAINED TO PERFORM QUALITY CONTROL WORK AND ON-SITE TESTING.
- B) SLUMP TEST ASTM 143 MOLD AND CURE TEST CYLINDERS (ASTM C-31) AND TEST CYLINDERS FOR STRENGTH (ASTM C39). TAKE ONE TEST — FOUR CYLINDERS FOR EACH DAYS POUR OF 50 CUBIC YARDS, OR FRACTION THEREOF. TEST ONE CYLINDER AT 7 DAYS, TWO AT 28 DAYS AND ONE HOLD. TEST CYLINDER SAMPLES SHALL BE TAKEN AT THE POINT OF DISCHARGE WHEN USING A
- D) ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO THE OWNER, ENGINEER, ARCHITECT AND GENERAL CONTRACTOR.
- USE. REFER TO ACI 117 FOR FLOOR TOLERANCES.
- 32. REPAIR ANY CRACKS OR DEFECTIVE AREAS THAT WILL RESTORE THE AFFECTED SURFACE OR AREAS TO THEIR FULL DESIGN STRENGTH AND APPEARANCE.
- 33. ACCEPTANCE OF THE STRUCTURE WILL BE MADE IN CONFORMANCE WITH ACI
- WATER SATURATED FABRIC. MOISTURE RETAINING MEMBRANE OR LIQUID CURING COMPOUND.

- A) FOG SPRAYING
- B) PONDING
- E) CONTINUE CURING BY USE OF MOISTURE RETAINING COVER UNTIL CONCRETE
- F) OR LIQUID CURING COMPOUND AFTER FINISHING PROCESS IS COMPLETED. G) CONCRETE WET CURE TIME TO BE 7 DAYS MINIMUM AT 50 DEGREES MINIMUM
- 36. SUBMIT MATERIALS AND METHOD OF CURING FOR REVIEW.
- 37. DO NOT USE MOISTURE RETAINING CURING COMPOUNDS FOR CURING SURFACES TO RECEIVE CARPET, FLEXIBLE FLOORING, CERAMIC TILED FLOORS OR OTHER SPECIFIED FLOOR SYSTEMS, UNLESS IT HAS BEEN DEMONSTRATED THAT SUCH COMPOUNDS WILL NOT PREVENT BOND.
- 39. POUR ALL GROUND SLABS ON 10 MIL MINIMUM VAPOR RETARDER IN
- FOR PUMP LINES, TREMIES, OR CHUTES OTHER THAN SHORT CHUTES SUCH AS AND WHERE BENDS OR HOOKS ARE DETAILED ON THE PLANS. THOSE USED TO CONVEY CONCRETE FROM A TRUCK MIXER.
- 41. THE CODE PROHIBITS THE USE OF ALUMINUM (CONDUIT, PIPES, ETC.) IN STRUCTURAL CONCRETE UNLESS IT IS EFFECTIVELY COATED OR COVERED.

- 1. UNITS SHALL BE FABRICATED BY A FIRM ENGAGED IN THE MANUFACTURING OF 21. SUBMIT FORM WORK AND SHORING DRAWINGS TO LOCAL BUILDING DEPARTMENT PRECAST AND PRE-STRESSED CONCRETE U-LINTELS AND SILLS FOR A MINIMUM OF 5 YEARS. FABRICATOR SHALL HAVE A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH THE PROCEDURES OF MANUAL 116 BY THE PRECAST/PRE-STRESSED CONCRETE INSTITUTE PCI).
 - ACCORDANCE WITH PCI RECOMMENDATIONS AND MADE AVAILABLE UPON REQUEST FOR THE ARCHITECT/ENGINEER.
 - CODES AND STANDARDS:
 - A) AMERICAN SOCIETY FOR TESTING AND MATERIALS(ASTM) 1) C33 - SPECIFICATION FOR CONCRETE AGGREGATES
 - 2) C150 SPECIFICATION FOR PORTLAND CEMENT

- ALL JOINTS. C) SAW-CUT CONTROL JOINTS @ LESS THAN OR EQUAL TO 15'-0" EACH WAY.
- E) SEE DRAWINGS FOR ANY ADDITIONAL CONDITIONS.
- 31. CONTRACTOR SHALL PROVIDE FLATNESS AND LEVELNESS IN CONCRETE SLABS PER ACI 302.1R, FIG. 8.7 MINIMUM REQUIRED "F" NUMBERS FOR TYPE OF SLAB
- CONTACT THE STRUCTURAL ENGINEER FOR ADVICE AND EVALUATION.
- 34. ALL CAST-IN-PLACE CONCRETE MUST BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A MINIMUM OF 7 DAYS FOLLOWING THE PLACING OF THE CONCRETE BY THE USE OF A WATER SPRAY,
- 35. CURE SLABS-ON-GRADE FOR THE FIRST 72 HOURS BY THE USE OF:
- C) SPRINKLING
- D) CONTINUOUSLY WET ABSORPTIVE MATS OR FABRIC
- HAS OBTAINED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.
- 38. DO NOT PERMIT CONCRETE NOT FULLY CURED TO BE EXPOSED TO EXCESSIVE TEMPERATURE CHANGES OR HIGH WINDS.
- COMPLIANCE WITH ASTM E1745, LAPPED 6" MINIMUM AND FULLY TAPED.

PRECAST CONCRETE U-LINTELS AND SILLS

- D) AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530) CONCRETE MATERIALS: PORTLAND CEMENT: ASTM C150 TYPE I OR III, GRAY COLOR
- WATER: POTABLE D) ADMIXTURES: SHALL NOT CONTAIN CALCIUM CHLORIDE OR CHLORIDE IONS

B) PRECAST/PRE-STRESSED CONCRETE INSTITUTE (PCI) STANDARDS: MANUAL

C) AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR

STRUCTURAL CONCRETE (ACI 318)

AGGREGATES: ASTM C33

FOR QUALITY CONTROL FOR PRECAST AND PRE-STRESSED CONCRETE

- REINFORCING
- DEFORMED REINFORCEMENT: ASTM A615 GRADE 40 OR 60.
- 6. U-LINTEL UNITS 14 FEET IN OVERALL LENGTH AND SHORTER SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3500 PSI AT 28 DAYS.
- 7. U-LINTEL UNITS EXCEEDING 14 FEET IN OVERALL LENGTH SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 6000 PSI AT 28 DAYS AND SHALL BE PRE-STRESSED CONCRETE.
- 8. SILL UNITS SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.
- 12" WIDE U-LINTELS SHALL BE SMOOTH FORM FINISHED. 10. PRECAST CONCRETE U-LINTELS SHALL BE DESIGNED BY A LICENSED DELEGATED

9 UNITS SHALL BE SAND BLOCK FINISH EXCEPT PRE-STRESSED, 6" WIDE, AND

11. SUBMITTALS

ENGINEER.

- A) PROVIDE MANUFACTURER'S CATALOG ENGINEERING DATA.
- B) MANUFACTURER SHALL RATE U-LINTEL UNITS FOR GRAVITY, UPLIFT, AND LATERAL LOADS IN UNITS OF POUNDS PER LINEAR FOOT.

MASONRY

- 1. HOLLOW LOAD BEARING UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE II. MINIMUM NET COMPRESSIVE UNIT STRENGTH = 2000 PSI. (NET AREA COMPRESSIVE MASONRY STRENGTH F'M = 1500 PSI).
- MORTAR SHALL BE TYPE S AND CONFORM TO ASTM C270 (PROPORTION OR PROPERTY SPECIFICATION) WITH A MINIMUM AVERAGE COMPRESSIVE STRENGTH AT
- 3. COARSE GROUT SHALL CONFORM TO ASTM C476: A) 2500 PSI AT 28 DAYS.

28 DAYS OF 1800 PSI.

- B) 1/4" MAXIMUM AGGREGATE. C) 8" - 11" SLUMP.
- 4. CODES AND STANDARDS:
- TMS 602 IS INCLUDED BY REFERENCE IN ITS ENTIRETY. B) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES - ACI 530/ ASCE 5/TMS 402.

5. A REINFORCED TIE BEAM SHALL BE PROVIDED IN ALL WALLS SHOWN ON THE

SPECIFICATIONS FOR MASONRY STRUCTURES - ACI 530.1/ASCE 6/

- STRUCTURAL DRAWINGS AT EACH FLOOR. THE ROOF, AND AT TOP OF ANY PARAPET WALL. USE GALVANIZED MESH-TYPE CELL CAPS. PROVIDE CORNER BARS AT ALL BEAM CORNERS TO MATCH HORIZONTAL BARS.
- 6. UNLESS NOTED OTHERWISE, TIE BEAMS SHALL BE AS FOLLOWS: A) ROOF LEVEL: DOUBLE COURSE OF KNOCK-OUT BLOCKS WITH (1) #5 IN EACH COURSE.
- MASONRY. THE CLEAR DISTANCE BETWEEN BARS SHALL NOT EXCEED ONE BAR DIAMETER, OR MORE THAN 1". CENTER BARS IN WALLS U.N.O. VERTICAL REINFORCING SHALL BE AS SHOWN ON THE DRAWINGS. FILLCELLS WITH COARSE GROUT AS SPECIFIED. PROVIDE ACI 90 DEGREE STANDARD HOOKS INTO FOOTING AND ROOF TIE BEAM. LAP SPLICE VERTICAL REINFORCEMENT ABOVE

7. VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM OF BAR

AND AT 8'_0" O.C. MAXIMUM WITH A MINIMUM CLEARANCE OF 1/2" FROM

FOOTING AND ABOVE EACH FLOOR LEVEL UNLESS NOTED OTHERWISE. MAINTAIN

VERTICAL REINFORCING SHOWN ON PLANS ABOVE AND BELOW MASONRY

- OPENINGS. CONTINUE FOUNDATION DOWELS BELOW ALL MASONRY OPENINGS. 9. REINFORCED FILL CELLS ARE TO BE CLEAN AND FREE OF ANY FOREIGN MATERIAL OR DEBRIS. REMOVE ANY INSULATING MATERIAL FROM CELLS,
- L) COMPLETE DETAIL AND PLACING SHOP DRAWINGS FOR ALL REINFORCING 40. EQUIPMENT MADE OF ALUMINUM OR ALUMINUM ALLOYS, SHALL NOT BE USED 10. REINFORCING BARS SHALL BE STRAIGHT EXCEPT FOR BENDS AROUND CORNERS

INCLUDING POLYSTYRENE INSULATING INSERTS, PRIOR TO GROUT POUR.

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ROOF FRAMING DETAILS

ROOF FRAMING DETAILS



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CLIENT / PROJECT NAME: CITY OF KEY WEST

RENOVATION TO

RECREATION CENTER

KEY WEST, FL 33040

Original drawing is 24"x36". Scale accordingly if reduced.

REVISIONS:

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111 OLIVIA STREET

BID SET

SHEET TITLE:

STRUCTURAL SPECIFICATIONS

DRAWING NUMBER

S-001

SHEET:

7 OF 68

STRUCTURAL SPECIFICATIONS (CONTINUED) MASONRY (CONTINUED)

- 11. REINFORCING BARS SHALL BE LAPPED PER MASONRY LAP SCHEDULE MINIMUM (UNLESS OTHERWISE NOTED) WHERE SPLICED AND SHALL BE WIRED TOGETHER.
- 12. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICALS. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT
- 13. PROVIDE HORIZONTAL WALL REINFORCING (9 GA.) HOT DIPPED GALVANIZED LADDER TYPE DUR-O-WALL (OR EQUIVALENT) AT 16" O.C. JOINT REINFORCING SHALL CONFORM TO ASTM A-951.
- 14. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT DOORS AND WINDOWS FOR FIRST AND SECOND BLOCK COURSE ABOVE AND BELOW APERTURES. RUN REINFORCING CONTINUOUS OR EXTEND TWO FEET FROM APERTURE EDGE.
- 15. WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AT SPLICES AND SHALL CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT IN THE LAPPED DISTANCE.
- 16. CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE OF MASONRY IN EACH GROUT POUR WHEN THE POUR HEIGHT EXCEEDS 5'. CLEANOUTS TO BE SAW-CUT 4" X 4".
- 17. GROUT POUR HEIGHT SHALL NOT EXCEED 24'. PLACE GROUT IN 5' MAX. LIFTS
- 18. CONSOLIDATE GROUT POURS AT THE TIME OF PLACEMENT BY MECHANICAL MEANS AND RECONSOLIDATE AFTER INITIAL WATER LOSS AND SETTLEMENT.
- 19. ALL MASONRY FOUNDATION STEMWALLS AND RETAINING WALLS SHALL BE FULLY GROUTED.
- 20. STORE BLOCKS ON PALLETS AND COVER WITH PLASTIC SHEETING.
- 21. PLACE MASONRY IN RUNNING BOND WITH 3/8" MORTAR JOINTS. PROVIDE COMPLETE COVERAGE FACE SHELL MORTAR BEDDING, HORIZONTAL AND VERTICAL. FULLY MORTAR WEBS IN ALL COURSES OF PIERS, COLUMNS, AND PILASTERS AND ADJACENT TO GROUTED CELLS.
- 22. SEE DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. SPACE AT 26'-0" O.C. AT EXTERIOR WALLS, 32'-0" O.C. AT INTERIOR WALLS UNLESS NOTED OTHERWISE
- 23. SUBMITTALS:
- A) SUBMIT PROPOSED GROUT MIX DESIGN PRIOR TO CONSTRUCTION.
- B) SUBMIT PROPOSED MORTAR MIX DESIGN PRIOR TO CONSTRUCTION.
- SUBMIT DETAILED SHOP DRAWINGS OF REINFORCING BARS SHOWING NUMBER, SIZE, AND LOCATION. INCLUDE BAR LISTS AND BEND DIAGRAMS. INCLUDE ALL REQUIRED DIMENSIONS AND ELEVATIONS.
- D) SUBMIT COMPRESSIVE STRENGTH TESTS OF PROPOSED MASONRY UNITS PRIOR TO CONSTRUCTION, MASONRY UNITS ARE TO BE TESTED IN ACCORDANCE WITH ASTM C140.
- 24. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING TESTS:
- A) SAMPLE AND TEST GROUT IN ACCORDANCE WITH ASTM C1019 FOR EACH 5000 SQ, FT. OF MASONRY.
- SLUMP TESTS ASTM C143.
- C) MASONRY PRISM TEST IN ACCORDANCE WITH ASTM C1314. PROVIDE ONE SET OF 3 PRISMS PRIOR TO CONSTRUCTION AND DURING CONSTRUCTION FOR EACH 5000 SQ. FT. OF WALL.
- 25. PROVIDE 8" DEEP PRECAST REINFORCED CONCRETE LINTELS OVER ALL MASONRY OPENINGS NOT SHOWN TO HAVE A STRUCTURAL BEAM. MINIMUM END BEARING = 8". LINTEL WIDTH TO MATCH MASONRY WIDTH.
- 26. TOPS OF PARTIALLY CONSTRUCTED WALLS SHALL BE COVERED WITH VISQUEEN WHENEVER RAIN OCCURS AND AT THE END OF THE WORK DAY.

DRILL-IN BOLTS, SCREWS AND DOWELS

- 1, EPOXY BOLTS SHALL BE ASTM A307 THREADED BOLTS WITH NUTS AND WASHERS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE "EPOXY-TIE SET" ANCHORS BY SIMPSON STRONG-TIE OR EQUAL.
- 2. ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT SOLID EPOXY-BASED SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD SIDE-BY-SIDE CARTRIDGE AND DISPENSED THROUGH A STATIC-MIXING NOZZLE SUPPLIED BY THE MANUFACTURER. EPOXY SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM C-881 SPECIFICATION FOR TYPE I, II, IV AND V, GRADE 3, CLASS B, C AND D AND MUST DEVELOP A MINIMUM 12,650 PSI COMPRESSIVE YIELD STRENGTH AFTER 7-DAY CURE.
- 3. EXPANSION BOLTS SHALL BE "WEDGE-ALL" ANCHORS BY SIMPSON STRONG-TIE OR EQUAL.
- 4. EXPANSION BOLTS SHALL BE NON-BOTTOM BEARING, WEDGE-STYLE EXPANSION ANCHOR FOR USE IN SOLID CONCRETE OR GROUT FILLED MASONRY WITH A ONE-PIECE NON-CORROSIVE CLIP FOR UNIFORM HOLDING CAPACITY THAT INCREASES AS TENSION IS APPLIED. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 5. MASONRY SCREWS SHALL BE 1/4" DIAMETER WITH 1-1/2" MINIMUM EMBEDMENT INSTALLED IN DRILLED HOLES USING AN APPROPRIATE BIT DIAMETER.
- 6. SCREWS SHALL BE MADE FROM TEN HUNDRED SERIES COLD-ROLLED STEEL AND SHALL BE FLUOROCARBON COATED. PROVIDE "TITEN" SCREWS BY SIMPSON STRONG-TIE OR EQUAL.
- 7. DRILL-IN REBAR DOWELS SHALL BE SET USING A TWO-PART EPOXY AS DESCRIBED ABOVE.
- NAILS, SCREWS, BOLTS AND/OR OTHER FASTENERS OF ANY KIND AND DESCRIPTION SHALL BE OF DOMESTIC (USA) MANUFACTURER; NO FOREIGN MADE FASTENERS, NOR FASTENERS MADE OF FOREIGN MADE MATERIALS WILL

BE ALLOWED ON THE PROJECT.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATION FOR BUILDINGS", LATEST EDITION.
- 2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1. ALL WELDING SHALL BE PERFORMED USING E70XX, LOW HYDROGEN ELECTRODES. ELECTRODES ARE TO BE PROTECTED FROM MOISTURE.
- 3. CONNECTIONS TO BE DOUBLE ANGLE FRAMED BEAM CONNECTION PER AISC UNLESS NOTED OTHERWISE. ALL BOLTS TO BE 3/4" DIAMETER UNLESS NOTED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS. ALL FIELD CONNECTIONS ARE TO BE BOLTED WITH ASTM A325N OR A490 BOLTS (BEARING TYPE BOLTS WITH THREADS IN THE SHEAR PLANE) INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT UNLESS OTHERWISE NOTED. DESIGN CONNECTIONS FOR THE LARGER OF EITHER THE SHEAR SHOWN ON THE DRAWINGS, (INDICATED AS "V =K" AT ENDS OF MEMBER) OR 55% OF THE MAXIMUM LOAD(IN KIPS) LISTED IN THE TABLES FOR "MINIMUM TOTAL FACTORED UNIFORM LOADS IN KIPS FOR BRACED, SIMPLE SPAN BEAMS BENT ABOUT THE STRONG AXIS" OF THE LATEST EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION"
- 4. SIZE AND USE OF HOLES: SEE AISC TABLE J3.3.
- A) LARGER HOLES ARE PERMITTED IN STANDARD COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 3/8". HARDENED WASHERS, TO COVER THE LARGER HOLE, SHALL BE PROVIDED.
- B) LARGER HOLES ARE NOT PERMITTED IN WIND FRAME COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 1/16"
- C) SLOTTED HOLES: A PLATE WASHERS OR A CONTINUOUS BAR WITHSTANDARD HOLES, HAVING A SIZE SUFFICIENT TO COMPLETELY COVER THE SLOT AFTER INSTALLATION, AND A MIN. OF 5/16" THICK SHALL BE PROVIDED. TACK WELD NUT TO BOLT AFTER ERECTION.
- 5. STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN THE MILL TOLERANCE) LOCATED ABOVE THE HORIZONTAL CENTERLINE BETWEEN THE END CONNECTIONS.
- 6. VERIFY THE EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS FOR MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION OF MATERIALS.
- 7. SHOP PRIME STEEL SURFACES EXCEPT THE FOLLOWING:
- A) SURFACES EMBEDDED IN CONCRETE OR MORTAR. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2 INCHES.
- B) SURFACES TO BE FIELD WELDED.
- C) SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS.
- D) SURFACES TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS.
- E) GALVANIZED SURFACES.
- 8. SURFACE PREPARATION: CLEAN SURFACES TO BE PAINTED. REMOVE LOOSE RUST AND MILL SCALE AND SPATTER, SLAG, OR FLUX DEPOSITS. PREPARE SURFACES ACCORDING TO THE FOLLOWING SPECIFICATIONS AND STANDARDS.
- 9. PRIMING: IMMEDIATELY AFTER SURFACE PREPARATION, APPLY PRIMER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND AT RATE RECOMMENDED BY SSPC TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. USE PRIMING METHODS THAT RESULT IN FULL COVERAGE OF JOINTS, CORNERS, EDGES, AND EXPOSED SURFACES.
- A) STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES.
- B) APPLY TWO COATS OF SHOP PAINT TO INACCESSIBLE SURFACES AFTER ASSEMBLY OR ERECTION. CHANGE COLOR OF SECOND COAT TO DISTINGUISH IT FROM FIRST.
- 10. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.
- 11. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING TESTS.
- A) VISUALLY INSPECT ALL STEEL MEMBERS AND CONNECTIONS.
- TEST 50 PERCENT OF FULL PENETRATION WELDS.
- 12. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.
- 13. STEEL SHALL CONFORM TO:
- WIDE FLANGE (WF)(WT)-----ASTM A992 (50 KSI)
- SHAPES (L, C, MC)-----ASTM A36

WELDING ELECTRODES----E70XX

- HOLLOW STRUCTURAL SECTIONS (HSS)-----ASTM A500 GRADE B (RECTANGULAR 46 KSI; ROUND 42 KSI) STEEL PIPE-----ASTM A53
- ANCHOR RODS-----ASTM F1554 (55 KSI W/S1 SUPPLEMENT) ANCHOR BOLTS-----ASTM A307
- FRAMING BOLTS-----ASTM A325N OR A490N SHEAR STUDS----ASTM A108
- 14. FASTENERS AND MATERIALS USED FOR WELDING OR OTHERWISE SECURING COMPONENTS ONE TO ANOTHER SHALL BE OF DOMESTIC (USA MADE) MANUFACTURE. SIMILARLY, ALL MATERIALS USED IN THE MANUFACTURING PROCESS SHALL BE FROM A DOMESTIC SOURCE.
- 15. OPENINGS THROUGH STEEL BEAMS SHALL BE PROVIDED AS DETAILED ON THE DRAWINGS, ALL SUCH OPENINGS SHALL BE MACHINE CUT IN THE SHOP, ALL RECTANGULAR OPENINGS SHALL HAVE A CORNER RADIUS OF 2 TIMES THE WEB THICKNESS, 1/2" MINIMUM.
- 16. SHOP AND FIELD WELDS SHALL BE DONE BY A.W.S. CERTIFIED WELDERS. PROVIDE CURRENT CERTIFICATES UPON REQUEST.
- 17. NO SPLICES SHALL BE PERMITTED IN ANY STRUCTURAL STEEL MEMBER UNLESS SHOWN ON APPROVED SHOP DRAWINGS.
- 18. STEEL STAIRS AND/OR LADDERS SHALL BE DESIGNED FOR 100 PSF LIVE LOAD BY A LICENSED DELEGATED ENGINEER, WHO SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS. SHOP DRAWINGS SHALL SPECIFY ALL DESIGN LOADS.

- ALL STRUCTURAL STEEL LAYOUTS AND DETAILS, SIZES OF MEMBERS, TYPE OF STEEL, CONNECTION DETAILS, WELDS, BOLTS, ETC., AS REQUIRED TO FABRICATE AND ERECT ALL STRUCTURAL STEEL FRAMING. ALL CONNECTIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE DETAILER AND SUBMITTED ON SHOP DRAWINGS, SIGNED AND SEALED BY A REGISTERED FLORIDA DELEGATED ENGINEER.
- 20. NON-SHRINK GROUT SHALL BE: NONMETALLIC SHRINKAGE-RESISTANT GROUT, PREMIXED, NON-CORROSIVE, NON-STAINING PRODUCT CONTAINING SELECTED SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER-REDUCING AGENTS, COMPLYING WITH CRD-C621, CORPS OF ENGINEERS.
- 21. IF NOT SPECIFIED ON THE DRAWINGS, THE THROAT SIZE OF ANY FILLET WELD SHALL BE EQUAL TO 1/16" LESS THAN THE THINNEST CONNECTION COMPONENT.
- 22. NO FIELD WELDING OF GALVANIZED MEMBERS IS PERMITTED.
- 23. MINIMUM EMBEDMENT DEPTH OF ANCHOR BOLTS: A) BEAMS, COLUMNS, WALLS = 6" FOOTINGS = 3" FROM BOTTOM
- 24. ERECTION
 - A) BEFORE ERECTION, THE CONTRACTOR IS TO REMOVE ALL MUD, DIRT OR OTHER FOREIGN MATTER, WHICH ACCUMULATES DURING HANDLING AND STORAGE.
- B) DRIFTING TO ENLARGE UNFAIR HOLES WILL NOT BE PERMITTED. DRILL SUCH HOLES TO ACCOMMODATE THE NEXT LARGER SIZE FASTENER, WHERE POSSIBLE.
- C) AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS WHERE SHOP COAT HAS BEEN DAMAGED. SPOT AND PRIME AREAS USING SAME MATERIAL AS SHOP COAT.
- D) SET ALL MEMBERS SO THAT, IN THEIR FINAL LOCATION, LEVEL. PLUMBNESS AND ALIGNMENT ARE WITHIN THE TOLERANCES PRESCRIBED BY AISC CODE.
- E) DOUBLE CONNECTIONS THROUGH COLUMN WEBS OR AT BEAMS THAT FRAME OVER THE TOPS OF COLUMNS MUST BE DESIGNED TO HAVE AT LEAST ONE INSTALLED BOLT REMAIN IN PLACE TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED. ALTERNATIVELY, THE FABRICATOR MUST SUPPLY A SEAT OR EQUIVALENT DEVICE WITH A MEANS OF POSITIVE ATTACHMENT TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED

OPEN WEB STEEL JOISTS AND JOIST GIRDERS (NOTED "JOISTS" HEREIN)

- 1. STEEL JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST
- OF THE AISC STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS K. LH. OR DLH SERIES (SEE PLAN), AND OSHA STEEL ERECTION STANDARD.
- 3. JOISTS, GIRDERS, AND ALL ACCESSORIES SHALL BE DESIGNED BY A LICENSED DELEGATED ENGINEER WHO SHALL PREPARE DESIGN CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS.
- 4. VERIFY THE EXACT LOCATION AND WEIGHT OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION OF JOISTS.
- 5. ALL HANGERS TO SUPPORT MECHANICAL EQUIPMENT, ETC., TO BE SUPPORTED BY THE TOP OR BOTTOM CHORD OF JOISTS SHALL BE LOCATED AT THE PANEL POINT OF THE JOIST. IF HANGERS MUST BE LOCATED IN BETWEEN PANEL POINTS, PROVIDE JOIST STIFFENER AS INDICATED IN DETAILS. ALL HANGERS TO BE LOCATED AT THE CENTERLINE OF THE BOTTOM CHORD MEMBER.
- 6. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST SHALL BE MADE WITHOUT THE APPROVAL OF THE DELEGATED ENGINEER.
- 7. DELEGATED ENGINEER SHALL DESIGN JOISTS AND BRIDGING FOR GRAVITY LOADS AND WIND LOAD UPLIFT PRESSURES INDICATED ON THE DRAWINGS.
- 8. JOIST BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE DESIGN BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS.
- WEB BEAMS, A STEEL JOIST SHALL BE FIELD-BOLTED AT THE COLUMN TO PROVIDE LATERAL STABILITY DURING ERECTION.
- 10. A 6"X6" MINIMUM VERTICAL STABILIZER PLATE TO RECEIVE THE JOIST BOTTOM CHORD MUST BE PROVIDED AT COLUMNS. THE STABILIZER PLATE MUST HAVE A 13/16 INCH HOLE FOR THE ATTACHMENT OF GUYING OR PLUMBING CABLES.
- 11. JOISTS AND ACCESSORIES SHALL HAVE ONE SHOP COAT OF PAINT MEETING THE MINIMUM PERFORMANCE REQUIREMENTS OF THE LATEST SJI SPECIFICATIONS. SEE ARCHITECT FOR PREFERRED COLOR.
- 12. SEE PLAN FOR ANY CONCENTRATED LOADS OR UNUSUAL CONDITIONS. ALL JOISTS SUBJECT TO SPECIAL LOADS OR CONDITIONS SHALL BE CONSIDERED "SPECIAL JOISTS", (SP).
- 13. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING JOISTS, BRIDGING, AND ALL CONNECTIONS. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE DELEGATED ENGINEER.
- 15. UNLESS PANELIZED, ALL JOISTS 40 FOOT LONG AND LONGER AND THEIR BEARING MEMBERS MUST HAVE HOLES TO ALLOW FOR INITIAL CONNECTIONS BY BOLTING.

DRAWINGS AND SPECIFICATIONS.

- 16. PROVIDE ONE ROW UPLIFT BRIDGING AT THE FIRST PANEL POINT FROM EACH
- 17. A ROW OF BOLTED DIAGONAL BRIDGING MUST BE PROVIDED NEAR MIDSPAN OF ALL JOISTS SHOWN IN SJI TABLES A & B. DO NOT RELEASE HOISTING CABLES UNTIL THIS BRIDGING IS INSTALLED.
- 18. FOR JOIST SPANS OVER 60 FEET, ALL ROWS OF BRIDGING SHALL BE BOLTED DIAGONAL BRIDGING. DO NOT RELEASE HOISTING CABLES UNTIL THE TWO ROWS NEAR THE THIRD POINTS ARE INSTALLED.

- 19. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING 19. FOR JOIST SPANS OVER 100 FEET THRU 144 FEET, ALL ROWS OF BRIDGING SHALL BE BOLTED DIAGONAL BRIDGING. DO NOT RELEASE HOISTING CABLES UNTIL ALL ROWS OF BRIDGING ARE INSTALLED.
 - 20. PROVIDE ONE ROW DIAGONAL BRIDGING AT THE SUPPORTS OF ALL FULL DEPTH BEARING JOISTS. DO NOT RELEASE HOISTING CABLES UNTIL THE SUPPORT BRIDGING IS INSTALLED.
 - 21. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL PROVIDE MEANS FOR ADEQUATE DISTRIBUTION OF CONCENTRATED LOADS SO THAT THE CARRYING CAPACITY OF ANY JOIST IS NOT EXCEEDED.
 - 22. ONE END OF ALL JOISTS SHALL BE ATTACHED TO ITS SUPPORT IN ACCORDANCE WITH SJI SPECIFICATIONS BEFORE ALLOWING THE WEIGHT OF AN ERECTOR ON THE JOISTS.
 - 23. IN THE CASE OF BOTTOM CHORD BEARING JOISTS, THE ENDS OF THE JOIST MUST BE RESTRAINED LATERALLY BEFORE RELEASING THE HOISTING CABLES.
 - 24. SEE STANDARD JOIST SPECIFICATIONS FOR CAMBER REQUIREMENTS.
 - 25. SUBMIT COMPLETE SHOP DRAWINGS FOR ALL JOISTS AND ACCESSORIES, AND A LETTER, 16. FRAME BOTH SIDES OF EXPANSION AND CONTROL JOINTS, AS SHOWN FOR SIGNED AND SEALED BY THE DELEGATED ENGINEER, CONFIRMING COMPLIANCE WITH THE DESIGN CRITERIA AND ALL APPLICABLE CODES.

METAL DECKING

- 1. METAL DECK WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK
- 2. METAL ROOF DECK SHALL BE 1 1/2" DEEP, WIDE RIB TYPE B AND GALVANIZED. (VULCRAFT OR EQUIVALENT.)
- FASTEN ROOF DECK AS INDICATED ON PLANS.
- MINIMUM FASTENING AT BUILDING PERIMETER OF DECK SHALL BE 5/8" DIAMETER PUDDLE WELDS AT 6" O.C.
- METAL DECK AND SHEET METAL COATING DESIGNATION:
- A) WITH STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING G90 B) WITHOUT STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING — G60
- INSTALL ALL DECKING 3 SPAN CONTINUOUS.
- 7. USE WELD WASHERS FOR ALL DECKING 24 GA. AND THINNER
- 2. STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION 8. DO NOT HANG OR ATTACH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, CEILINGS, ETC. 23. PROVIDE HORIZONTAL BLOCKING BETWEEN EACH STUD AT 4'-0" ON CENTER FROM METAL DECKING.
 - TYPICAL DECK OPENING DETAIL, INCLUDING OPENINGS FOR ROOF SUMP PANS.
 - PAINT. (SEE NOTE BELOW) 11. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING LAYOUT OF DECK, TYPE OF DECK, ALL CONNECTIONS INCLUDING END WELDS, SEAM WELDS, 27. STEEL TRUSSES:

INTERMEDIATE WELDS, AND ALL ACCESSORY MATERIAL SUCH AS CLOSURES, SUMPS FOR

10. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION WITH A GALVANIZED TOUCH-UP

12. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO VISUALLY INSPECT ALL DECK WELDS AND FASTENERS.

COLD-FORM STEEL FRAMING

DRAINS, ETC.

- 1. STEEL FRAMING SHALL CONFORM TO THE A.I.S.I. "SPECIFICATION FOR THE DESIGN OF COLD_FORMED STEEL STRUCTURAL MEMBERS".
- AND SPACING REQUIREMENTS OF THE SJI STANDARD SPECIFICATIONS. ALL 2. COLD-FORMED STEEL FRAMING SYSTEM, INCLUDING STUDS, TRUSSES, CONNECTIONS, 28. CONTRACTOR TO SUBMIT THE FOLLOWING: AND ALL ACCESSORIES, SHALL BE DESIGNED BY A DELEGATED ENGINEER WHO SHALL PREPARE CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS.
- 9. WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH SOLID 3. WELDED CONNECTIONS SHALL CONFORM TO "CODE FOR WELDING IN BUILDING CONSTRUCTION, AWS D1.3".
 - 4. ASTM A_568 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR STEEL, CARBON AND HIGH STRENGTH LOW_ALLOY HOT ROLLED SHEET AND COLD ROLLED
 - 5. ALL STEEL FRAMING SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHT GAUGE STEEL FRAMING INSTALLATION.
 - 6. WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED FOR A 29. SUBMITTALS SHALL BEAR THE SEAL OF THE DELEGATED ENGINEER. FIRE_RESISTANCE RATING, INCLUDING THOSE REQUIRED FOR COMPLIANCE WITH GOVERNING REGULATIONS. PROVIDE MEMBERS WHICH HAVE BEEN APPROVED BY 30. SUBMITTED SHOP DRAWINGS MUST BE CHECKED AND SIGNED BY THE GENERAL GOVERNING AUTHORITIES HAVING JURISDICTION.
 - 7. PROTECT LIGHT GAUGE STEEL FRAMING MEMBERS FROM RUSTING AND DAMAGE. DELIVER TO PROJECT SITE IN BUNDLES, FULLY IDENTIFIED WITH NAME, BRAND, TYPE AND GRADE. STORE OFF GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH SUITABLE WATERPROOF COVERINGS.
- 14. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE 8. WITH EACH TYPE OF STEEL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM.
 - 9. FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY SHEET STEEL WITH A MINIMUM YIELD POINT OF 50,000 PSI FOR STUDS, AND 33,000 PSI FOR RUNNERS; ASTM A653.
 - 10. PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A525 WITH A G60 COATING.
 - 11. PROVIDE MANUFACTURER'S STANDARD STRUCTURAL "CEE" SHAPED STEEL STUDS OF SIZE, SHAPE, AND GAUGE INDICATED, WITH A NOMINAL 1_5/8" FLANGE AND MINIMUM 1/2" FLANGE RETURN LIP BY DIETRICH INDUSTRIES, INC. OR PRIOR APPROVED EQUAL.

- 12. THE EXTERIOR WALL SYSTEM SHALL BE DESIGNED TO WITHSTAND BOTH POSITIVE AND NEGATIVE WIND PRESSURE WITH A MAXIMUM DEFLECTION BASED UPON THE APPLICABLE CODE AND MATERIAL REQUIREMENTS OF THE VENEER,
- 13. FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION. FABRICATE PANELS PLUMB, SQUARE, TRUE TO LINE AND BRACED AGAINST RACKING WITH JOINTS WELDED. PERFORM LIFTING OF PREFABRICATED PANELS IN A MANNER TO PREVENT DAMAGE OR DISTORTION.
- 14. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH REVIEWED SHOP
- 15. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUD DEPTH. ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED, EXCEPT DO NOT EXCEED 24" O.C. SPACING FOR NAIL OR POWDER_DRIVEN FASTENERS, OR 16" O.C., FOR OTHER TYPES OF ATTACHMENT. PROVIDE FASTENERS AT CORNERS AND ENDS OF TRACKS.
- THE WALL SYSTEM, WITH SEPARATE STUDS AND DO NOT BRIDGE THE JOINT WITH COMPONENTS OF THE STUD SYSTEM.
- 17. WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.
- 18. RESISTANCE TO BENDING AND ROTATION ABOUT THE MINOR AXIS SHALL BE PROVIDED BY MECHANICAL LATERAL BRACING WHERE REQUIRED.
- 19. ATTACHMENTS OF SIMILAR COMPONENTS SHALL BE DONE BY WELDING, SCREW ATTACHMENT, OR BOLTING. WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED.
- 20. WELDING OF MEMBERS LIGHTER THAN 18 GAUGE SHALL NOT BE PERMITTED.
- 21. SPLICES SHALL NOT BE PERMITTED.

BUT SHALL NOT EXCEED L/360.

- 22. MINIMUM NUMBERS OF EQUALLY SPACED JOIST BRIDGING FOR THE SPANS
- SHOWN: UP TO 14' _ 1 ROW 14' TO 20' _ 2 ROWS 20' TO 26' _ 3 ROWS 26' TO 32' _ 4 ROWS

OVER 32' _ AT 8' CENTERS

- MAXIMUM OR AT EACH SHEATHING JOINT.
- 9. ROOF DECK OPENINGS 12" DIAMETER OR LARGER ARE TO HAVE SUPPORT ANGLES PER 24. FULLY INSTALL ALL BRIDGING BEFORE APPLYING LOADS.
 - 25. JOIST SHALL BEAR DIRECTLY ON STUDS UNLESS HEADERS ARE USED. 26. PROVIDE JOIST WEB STIFFENERS WHERE JOIST BEARING IS LESS THAN

 - A) TRUSS ERECTOR IS RESPONSIBLE FOR ALL TEMPORARY BRIDGING OF THE TRUSS SYSTEM DURING CONSTRUCTION.
 - B) TRUSSES SHALL BE DESIGNED SO THAT NO HORIZONTAL REACTIONS ARE IMPOSED ON THE SUPPORTING STRUCTURE UNDER VERTICAL LOAD. C) PREFABRICATED TRUSSES AND PANELS SHALL BE SQUARE AND BRACED
 - AGAINST RACKING. D) TRUSS MANUFACTURER SHALL PROVIDE A BENT PLATE 3" X 3" X 14 GAGE TYPICAL AT ALL RIDGE AND VALLEY LINES. PROVIDE CONTINUOUS DECK SUPPORT BETWEEN TRUSSES AT ALL HIPS, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE.

 - A) SUBMIT COMPLETE STRUCTURAL CALCULATIONS FOR THE STEEL FRAMING SYSTEM. CALCULATIONS SHALL COVER ALL STUDS, JAMB STUDS, RUNNER TRACK, BRACING, ATTACHMENT OF LIGHT GAUGE FRAMING TO LIGHT GAUGE FRAMING, AND ATTACHMENT OF LIGHT GAUGE FRAMING TO
 - CONCRETE OR STRUCTURAL STEEL. B) SUBMIT DETAILED SHOP DRAWINGS FOR STEEL FRAMING SHOWING THE TYPE AND SPACING OF ALL MEMBERS, ALL ATTACHMENTS SHALL BE CLEARLY DETAILED ON THE DRAWINGS. INDICATED SUPPLEMENTAL STRAPPING, BRACING, CLIPS, AND OTHER ACCESSORIES REQUIRED FOR
 - PROPER INSTALLATION. C) SUBMIT CERTIFICATION OF MATERIALS FROM THE MANUFACTURER TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS AND RELATED DRAWINGS.

 - CONTRACTOR.

FIRE RETARDANT PLYWOOD

- 1. ALL PLYWOOD SHALL BE FIRE-RETARDANT TREATED WHERE REQUIRED BY ARCHITECT.
- SEE ARCHITECT FOR FIRE RESISTIVE RATINGS.
- 3. SUBMIT DATA FOR FIRE-RETARDANT TREATMENT FROM CHEMICAL TREATMENT MANUFACTURER AND CERTIFICATION BY TREATING PLANT THAT TREATED PLYWOOD COMPLIES WITH REQUIREMENTS. INCLUDE PHYSICAL PROPERTIES OF TREATED MATERIALS.
- TYPE, SUBMIT PHYSICAL PROPERTIES OF TREATED PLYWOOD BOTH BEFORE AND AFTER EXPOSURE TO ELEVATED TEMPERATURES. BASED ON TESTING BY A QUALIFIED INDEPENDENT TESTING AGENCY ACCORDING TO ASTM D 5516.

4. FOR FIRE-RETARDANT TREATMENTS SPECIFIED TO BE HIGH-TEMPERATURE (HT)

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CLIENT / PROJECT NAME:

CITY OF KEY WEST RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET

KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

STRUCTURAL SPECIFICATIONS

REVISIONS:

DATE ISSUED: 03/28/2016

PROJECT NO.: 12.0D01

DRAWING NUMBER:

8 OF 68

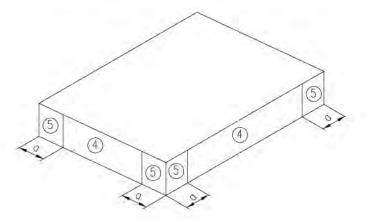
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STRUCTURAL SPECIFICATIONS (CONTINUED) FIRE RETARDANT PLYWOOD (CONTINUED)

- 5. INCLUDE COPIES OF WARRANTIES FROM CHEMICAL TREATMENT MANUFACTURERS FOR EACH TYPE OF TREATMENT.
- 6. FOR ASSEMBLIES WITH FIRE—RESISTANCE RATINGS, PROVIDE MATERIAL AND CONSTRUCTION IDENTICAL TO THOSE OF ASSEMBLIES TESTED FOR FIRE RESISTANCE PER ASTM E119 BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
- 7. COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C27.
- A) USE TREATMENT THAT DOES NOT PROMOTE CORROSION OF METAL FASTENERS.
- B) USE EXTERIOR TYPE FOR EXTERIOR LOCATIONS AND WHERE INDICATED.
- C) USE INTERIOR TYPE A, HIGH TEMPERATURE (HT) FOR ROOF SHEATHING AND WHERE
- D) USE INTERIOR TYPE A, UNLESS OTHERWISE INDICATED.
- 8. KILN-DRY MATERIAL AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 15 PERCENT. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL.
- 9. IDENTIFY FIRE—RETARDANT—TREATED PLYWOOD WITH APPROPRIATE CLASSIFICATION MARKING OF UL, U.S. TESTING, TIMBER PRODUCTS INSPECTION, OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
- 10. ALL FASTENERS SHALL BE STAINLESS STEEL, UNLESS SUBMITTED MANUFACTURER'S DOCUMENTATION APPROVEES GALVANIZED FASTENERS.

ULTIMATE WIND PRESSURES (PSF) EXTERIOR DOORS, WINDOWS, WALLS

EFFECTIVE AREA (ft)	ZON	E 4	ZON	NE 5
AREA (ft)	PRESSURE	SUCTION	PRESSURE	SUCTION
1 TO 20	93.0	-100.7	93.0	-124.0
21 TO 50	88.7	-96.4	88.7	-115.4
51 TO 100	83.5	-91.3	83.5	-105.0
101 TO 150	79.2	-87.0	79.2	-96.4
151 TO 250	76.6	-84.4	76.6	-92.1
251 TO 500	74.0	-81.8	74.0	-86.
501 + ABOVE	69.7	-77.5	69.7	-11.5



DOORS, WINDOWS AND WALLS

GROSS ULTIMATE WIND LOADS

GYMNASIUM ROOF ROOFING MATERIALS

COMPONENTS		ROOF ZONE	
AND CLADDING	1	2	3
PRESSURE (psf)	41.3	41.3	41.3
SUCTION (psf)	-101.6	-170.5	-256.6
odd Holl (poli/	101.0	110.5	200

NET ULTIMATE WIND LOADS GYMNASIUM ROOF JOISTS

COMPONENTS	ROOF ZONE						
AND CLADDING	1	2	3				
PRESSURE (psf)	33.6	33.6	33.6				
SUCTION (psf)	-93.8	-114.5	-120.5				

ULTIMATE

GROSS WIND LOADS

NEW ADDITION ROOF

ROOFING MATERIALS

35.5

-87.2

ULTIMATE

NET WIND LOADS

NEW ADDITION ROOF

JOISTS

32.5

-74.2

COMPONENTS

AND CLADDING

COMPONENTS

AND CLADDING

PRESSURE (psf)

SUCTION (psf)

PRESSURE (psf)

SUCTION (psf)

ROOF ZONE

35.5

-146.3

ROOF ZONE

32.5

-114.2

35.5

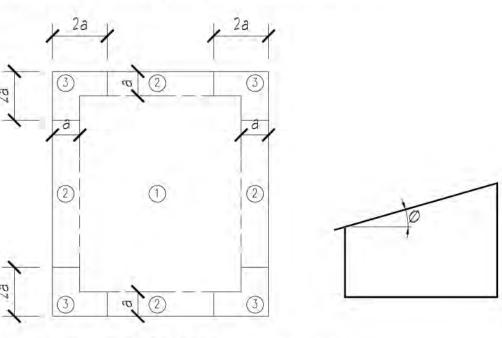
-2202

32.5

-156.3

). a= 7.5 FT

- 2. THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
- 3. TO CONVERT THE (ASCE 1-10) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.

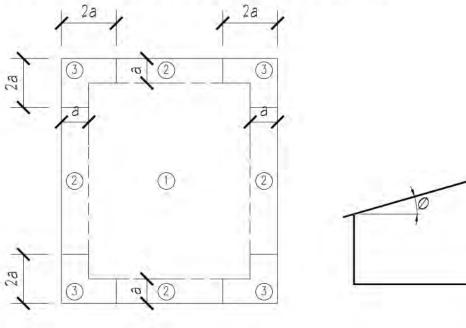


FLAT ROOF (ذ≤ 3°)

COMPONENT AND CLADDING LOADING DIAGRAMS

1. a= 3 FT

- THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
- . TO CONVERT THE (ASCE T-10) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.



FLAT ROOF (ذ≤ 3°)

COMPONENT AND CLADDING LOADING DIAGRAMS

ULTIMATE GROSS WIND LOADS PITCHED ROOF

ROOFING MATERIALS								
COMPONENTS	ROOF ZONE							
AND CLADDING	1	2	3					
PRESSURE (psf)	51.7	51,7	51.7					
SUCTION (psf)	-82.1	-142.9	-211.3					

ULTIMATE NET WIND LOADS PITCHED ROOF TRUSSES

COMPONENTS	ROOF ZONE						
AND CLADDING	1	2	3				
PRESSURE (psf)	36.5	36.5	36.5				
SUCTION (psf)	-64.5	-94.9	-155.7				

ULTIMATE GROSS WIND LOADS PITCHED ROOF OVERHANGS AND CANOPIES ROOFING MATERIALS

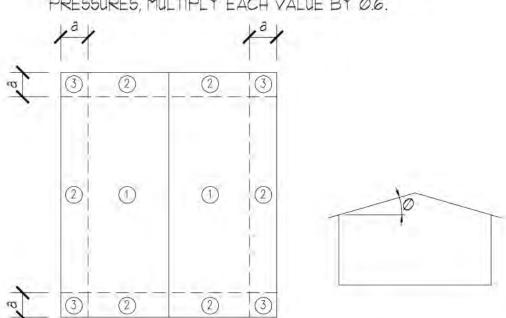
COMPONENTS	ROOF ZONE							
ND CLADDING	1	2	3					
RESSURE (psf)	51.7	51.7	51.7					
UCTION (psf)	-82.1	-142.9	-211.3					

ULTIMATE NET WIND LOADS PITCHED ROOF OVERHANGS AND CANOPIES TRUSSES

COMPONENTS	ROOF ZONE							
AND CLADDING	1	2	3					
PRESSURE (psf)	36.5	36.5	36.5					
SUCTION (psf)	-148.0	-178.4	-239.2					

l. a= 3 FT

- 2. THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
- PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.



GABLE ROOF $(7^{\circ} < \Theta \le 27^{\circ})$

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CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

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BID SET

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SHEET TITLE:

STRUCTURAL SPECIFICATIONS AND WIND TABLES

REVISIONS:

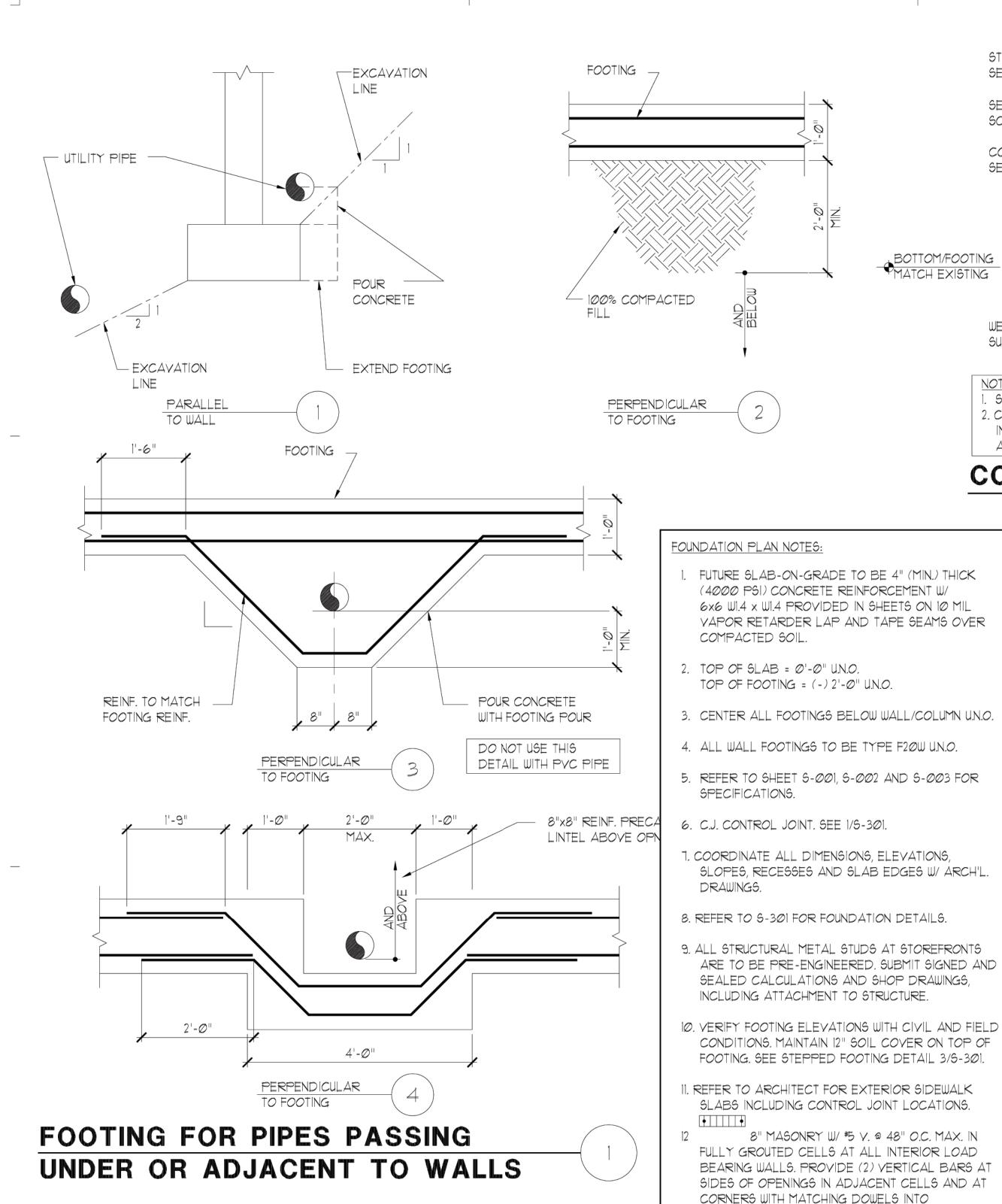
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

)3 SHEET:

9 OF 68

S-003



STEEL COLUMN SEE PLAN 1/2" ISOLATION JOINT SEE BASE PLATE MATERIAL. SCHEDULE ON 7/5-301 COMBINED FOOTING. - EXISTING FOOTING. SEE PLAN. FIELD VERIFY. BOTTOM/FOOTING MATCH EXISTING WELL COMPACTED SUBGRADE

> NOTES: SECONDARY POUR AND SLAB ON GRADE NOT SHOWN FOR CLARITY 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF

COMBINED FOOTING DETAIL

ROOF FRAMING PLAN NOTES:

DECK.

ANY DISCREPANCIES.

- METAL ROOF DECK TO BE 1/2" DEEP (22) GA. PAINTED TYPE "B". FASTEN DECK W/ (7) 5/8 " o PUDDLE WELD PATTERN AT EACH SUPPORT AND (8) #12 TEK SCREW SEDELAP FASTENERS FOR 36' WIDE DECKING. SEE 1/8-303. (---) INDICATES DIRECTION OF DECK SPAN. SEE 5-201 AND 1/5-303 FOR GYMNASIUM ROOF
- ROOF JOISTS ARE EQUALLY SPACED BETWEEN SUPPORTS AT 5'-0" ON CENTER, MAX.
- 3. MAIN ROOF SLOPE = SEE ARCH'L.
- 4. SP = JOIST ENGINEER TO DESIGN A SPECIAL JOIST OR DOUBLE JOIST AT WOOD TRUSS BEARING LOCATIONS. SEE 1/S-401 FOR LOADING.
- . REFER TO ARCHITECTURAL FOR DIMENSIONS AND ELEVATIONS.
- REFER TO SHEETS S-001, S-002, AND S-003 FOR SPECIFICATIONS.
- . SEE PLAN FOR JOIST BEARING ELEVATIONS.
- 8. (+) INDICATES TOP OF STEEL BEAM, TYP., UN.O.
- 9. CANTILEVERED ROOF TIE BEAM. SEE 9/S-303.
- 10. SPI = JOIST ENGINEER TO DESIGN A SPECIAL JOIST OR DOUBLE JOIST AT ROOF TOP UNIT LOCATIONS .. RTU'S TO BEAR ON A MINIMUM OF (2) JOISTS AS SHOWN. ONE RTU MAX PER JOIST SPAN. REFER TO MECHANICAL/ARCHITECTURAL DRAWINGS FOR EXACT LOCATION, SIZE AND WEIGHT. WEIGHTS SHOWN DO NOT INCLUDE ALLOWANCE FOR
- SEE S-003 FOR WIND TABLES.
- 12. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.
- 13. FIELD VERIFY WEIGHTS OF ALL EXISTING RELOCATED ROOF TOP UNITS AND SUBMIT TO ENGINEER OF RECORD, ARCHITECT, AND JOIST

OVERBUILD ROOF FRAMING PLAN NOTES:

ROOF FRAMING TO BE PRE-ENGINEERED METAL TRUSSES @ 24" O.C. MAX. U.N.O. SEE ARCHITECTURAL DRAWINGS FOR EXTENT. PROVIDE SIGNED AND SEALED SHOP DRAWINGS, AND CALCULATIONS FOR REVIEW PRIOR TO FABRICATION AND CONSTRUCTION.

STEEL COLUMN

SEE FOOTING

WELL COMPACTED

ANY DISCREPANCIES.

SUBGRADE

SCHEDULE

SEE BASE PLATE -

SCHEDULE ON 7/5-301

SEE PLAN

- ROOF DECK SHEATHING TO BE 5/8" THICK EXTERIOR GRADE FIRE RETARDANT PLYWOOD W/ #10 TEK SCREWS @ 4" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT ALL PANEL JOINTS, SEE 6/S-304.
- 3. ROOF SLOPE = MATCH EXISTING.
- 4. ROOF TRUSS ELEVATION = SEE PLAN
- 5. SEE S-003 FOR WIND TABLES.
- 6. REFER TO SHEETS 5-001, S-002, AND S-003 FOR SPECIFICATIONS.
- 1. ALL TRUSS TO TRUSS CONNECTIONS BY DELEGATED TRUSS ENGINEER.
- 8. SEE ARCHITECTURAL SECTIONS FOR CEILING FRAMING AND SOFFIT/FASCIA FRAMING.
- 9. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING.
- 10. REFER TO ARCHITECTURAL FOR METAL TRUSS CONFIGURATION.
- 11. VERIFY ALL DIMENSIONS AND ELEVATIONS W/ ARCHITECTURAL DRAWINGS.
- 12. ALL SIMPSON CONNECTORS ARE TO BE FULLY SCREWED U.N.O.
- 13. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.

ENTRY CANOPY ROOF FRAMING PLAN NOTES:

EXISTING MASONRY

EXISTING FOOTING.

TOP/FOOTING

FIELD VERIFY

FIELD YERIFY.

-DRILL AND EPOXY REBAR INTO

-CLEAN EXISTING FACE

BONDING AGENT.

SECONDARY POUR AND SLAB ON GRADE NOT SHOWN FOR CLARITY

2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

NEW EXISTING FOOTING TIE-IN

INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF

OF DEBRIS AND APPLY

EXISTING FOOTING W/ 6" MIN. EMBED.

- METAL ROOF DECK TO BE (16) GA. ARCHDECK. REFER TO ARCHITECT FOR EXTENT. (---) INDICATES DIRECTION OF SPAN.
- REFER TO ARCHITECT FOR RADIUS OF ROOF DECK.
- REFER TO ARCHITECT FOR DIMENSIONS AND ELEVATIONS.
- 4. REFER TO 5-001, 5002, 5003 FOR SPECIFICATIONS.
- 5. REFER TO 5-003 FOR WIND TABLES.
- 6. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.

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2555 Nursery Road, Suite 101 Clearwater, FL. 33764-3080 (727) 536-8772 Florida Coa 4187 Justin W. Duncan, P.E. Florida P.E. 78524 McCarthy Project No. 13178

CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

STRUCTURAL SPECIFICATIONS

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

DIVITINO NOMBE

SHEET: 10 OF 68,

S-004

18. COORDINATE ALL FOOTING STEPS AND TOP OF FOOTING ELEVATIONS WITH PLUMBING DRAWINGS. STEP FOOTINGS BELOW PIPES, TYPICAL. SEE DETAILS ON 1/S-004.

8" MASONRY W/ #5 V. @ 48" O.C. MAX. IN

8" MASONRY W/ #5 VERTICAL @ 24" O.C.

8" MASONRY W/ #6 VERTICAL @ 16" O.C.

FOUNDATION. HOOK INTO FOOTING CONTINUOUS TO

MAX. IN FULLY GROUTED CELLS. PROVIDE

ADJACENT CELLS AND AT CORNERS WITH

FOOTING CONTINUOUS TO TOP OF TIE BEAM.

MAX. IN FULLY GROUTED CELLS. PROVIDE

FOOTING CONTINUOUS TO TOP OF TIE BEAM.

15. PROVIDE (2) #5 VERTICAL BARS IN ADJACENT

16.(2) *4 x 4'-0" AT MID DEPTH OF SLAB, TYPICAL.

17. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF ANY

(2) VERTICAL BARS AT SIDES OF OPENINGS IN ADJACENT CELLS AND AT CORNERS WITH

MATCHING DOWELS INTO FOUNDATION, HOOK INTO

(2) VERTICAL BARS AT SIDES OF OPENINGS IN

MATCHING DOWELS INTO FOUNDATION, HOOK INTO

TOP OF TIE BEAM.

CELLS FULLY GROUTED.

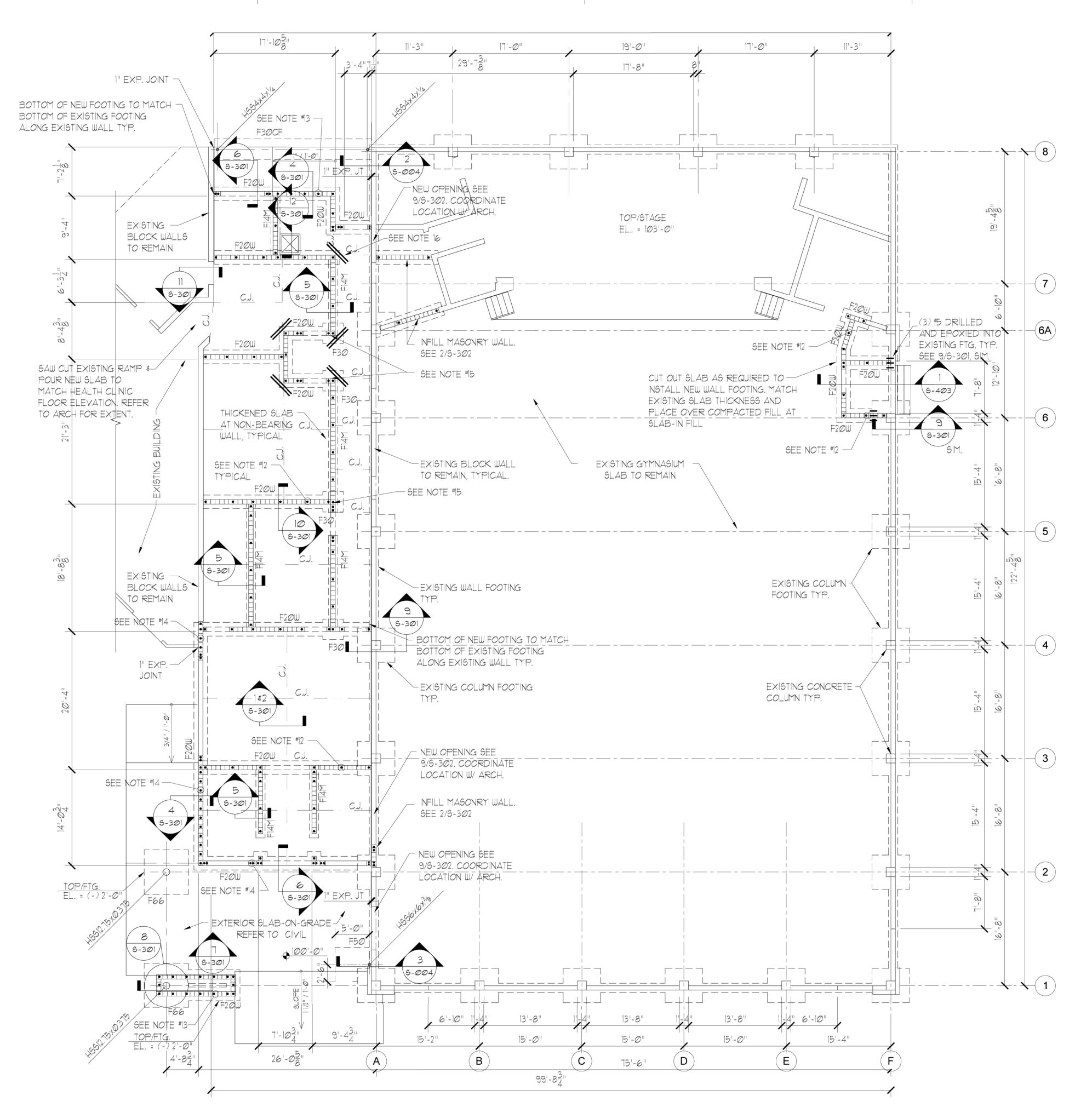
DISCREPANCIES.

4 4 4

+ + + +

SUPPORTING CURBS.

DELEGATED ENGINEER PRIOR TO FABRICATION OF JOISTS.





FOOTING SCHEDULE									
MARK	SIZE	DEPTH	REINF. EA. WAY	REMARKS	DWL/A.B. EMBEDMENT				
F14M	1'-4"	10"	(2) #5 CONT.	MONO FTG. SEE 5/S-301	7"				
F2ØW	2'-Ø"	1'-Ø"	(3) #5 CONT. #4@24" TRANSV.	WALL FTG.	3"				
*F3@CF	3'-Ø"	1'-2"	(4) #6 T #B LONG #6 a12" SHORT	COMBINED FOOTING	11"				
F3Ø	3'-Ø"x3'-Ø"	1'-Ø"	(3) #5 CONT.		3"				
F5Ø	5'-0"x5'-0"	MATCH EXISTING	(5) #5 TOP & BOT.		9"				
F66	6'-6"x6'-6"	1'-4"	(8)#5 TOP & BOT.		1'-1"				

*FIELD VERIFY ACTUAL LENGTH OF FOOTING WITH FIELD CONDITIONS. PROVIDE $\frac{1}{2}$ " ISOLATION JOINT BETWEEN NEW FOOTING AND EXISTING FOOTING

	Y REINF. HEDULE
BAR SIZE	LAP LENGTH
#3 BAR	18"
#4 BAR	24"
#5 BAR	3Ø"
#6 BAR	36"
#1 BAR	42"

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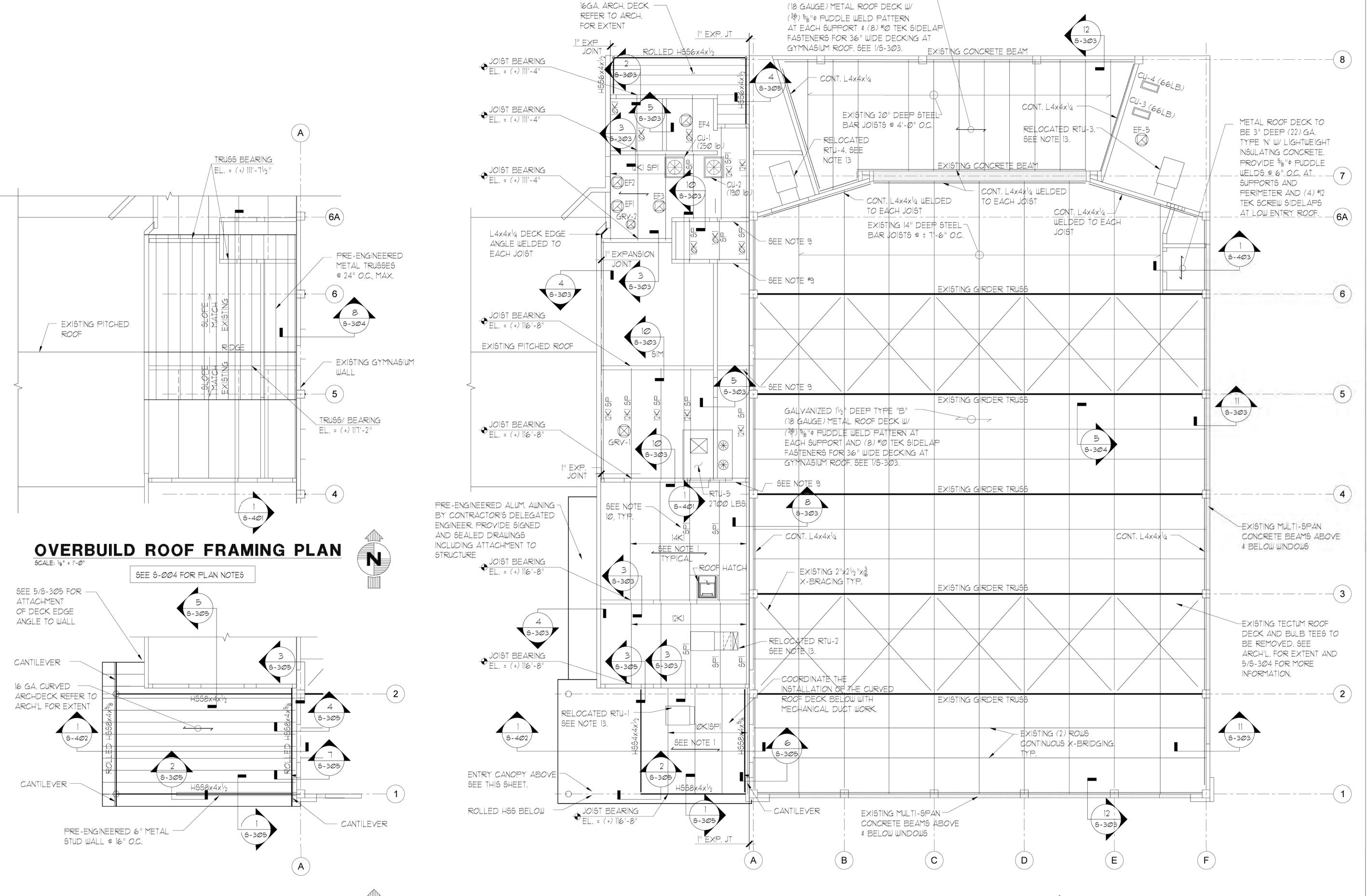
FOUNDATION PLAN

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-101 SHEET: 11 OF 68



GALVANIZED 11/2" DEEP TYPE "B" ---

ROOF FRAMING PLAN

SEE S-004 FOR PLAN NOTES

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-201

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ROOF FRAMING PLAN

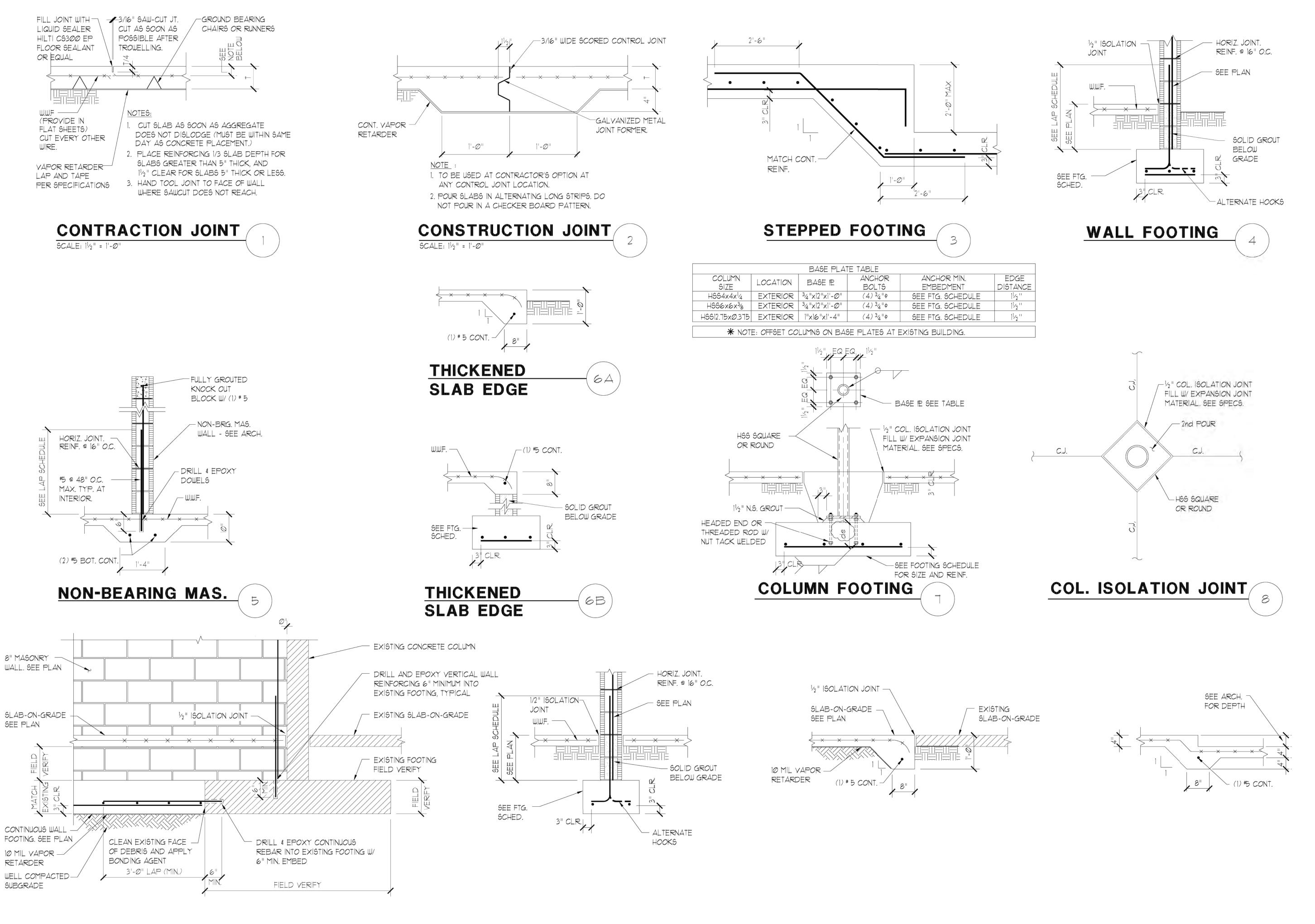
REVISIONS:

12 OF 68

SHEET:

ENTRY CANOPY ROOF FRAMING PLAN

SEE 5-004 FOR PLAN NOTES



SHEET:

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FOUNDATION DETAILS

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-301 13 of 68

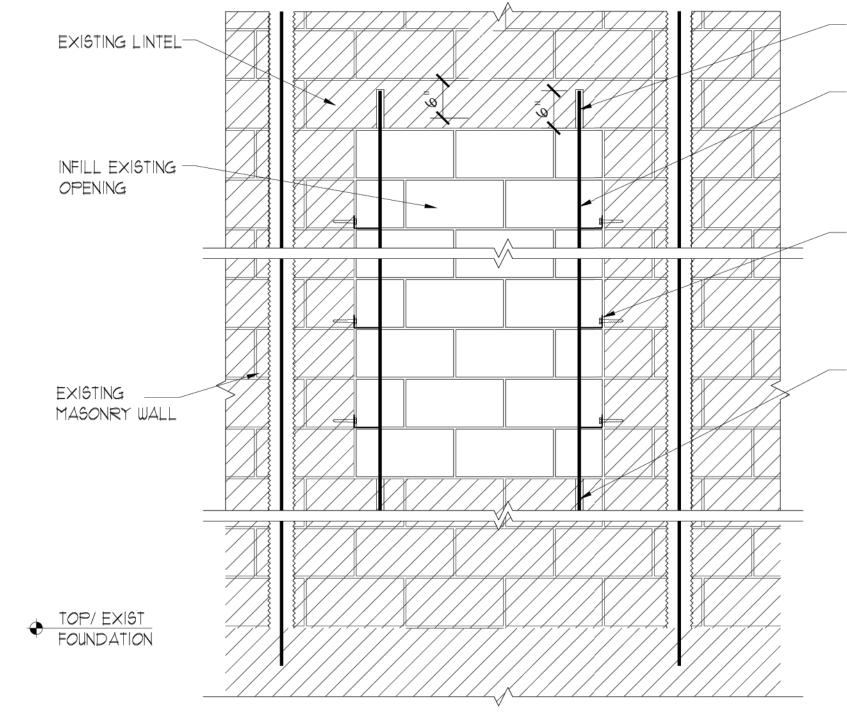
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.

NEW/EXISTING FOOTING TIE IN

INTERIOR WALL FOOTING

SLAB DETAIL

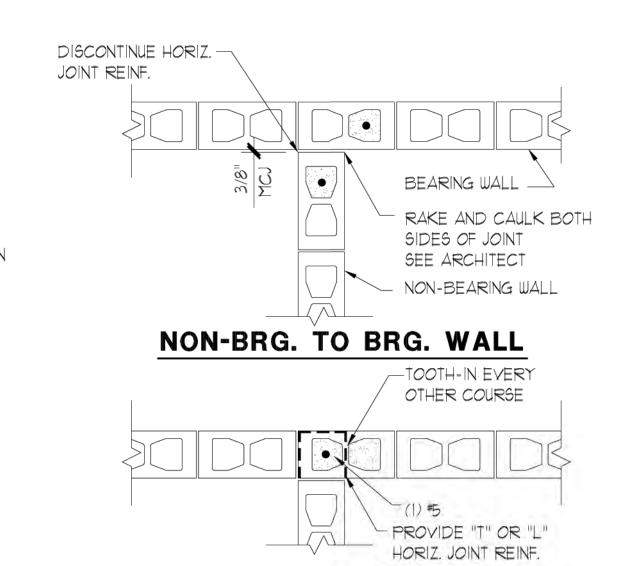
SLAB RECESS



TYP. INFILL WALL REINFORCING

- (1) VERTICAL @

MIN EMBED INSTALL #5 VERTICALS a 32"OC MAX IN INFILL BLOCKS, MIN (1) AT EACH END. GALVANIZED MASONRY JOINT ANCHOR @ 16" O.C W/ 1/4" x 3" TAPCONS, TYPICAL SEE LAP SCHEDULE ALTERNATE DIRECTION MIN 6" EMBED INTO OR 24" MIN. OF DOWEL BEND FULLY GROUTED CELL -INTERLOCK WALL INTERSECTIONS W/ RUNNING BOND COURSING



BRG. TO BRG. OR NON-BRG. TO NON-BRG.

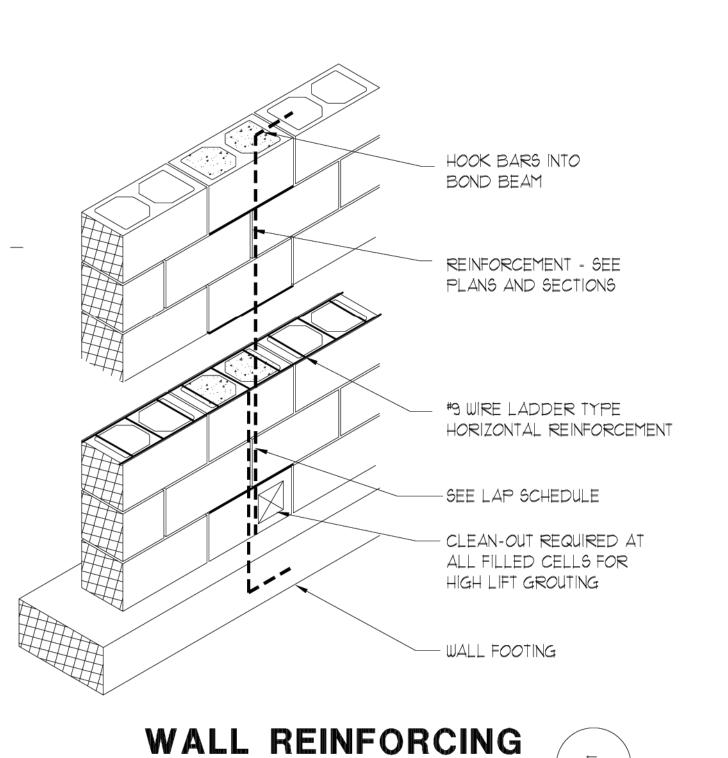
TYP. WALL INTERSECTIONS

TYPICAL WALL AND FTG. REINF. INTERSECTIONS

-STD. HOOK

, 30 BAR

DIA. MIN.



SEE ARCH.

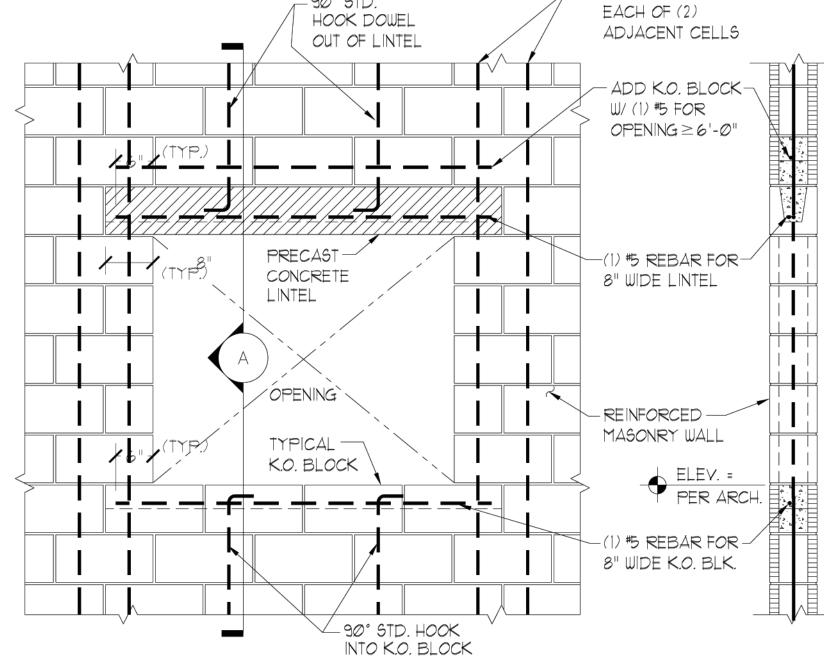
SLOPE THREADS TYP. SEE

 \times \times \times

- 1/2" ISOLATION JT.

-(2) #5 CONT.

ARCH, FOR EXTENT



8" LINTEL SAFE LOAD TABLE FOR 8"x8" HIGH-STRENGTH CASTCRETE PRECAST-PRESTRESSED U LINTELS

8" MASONRY BOND

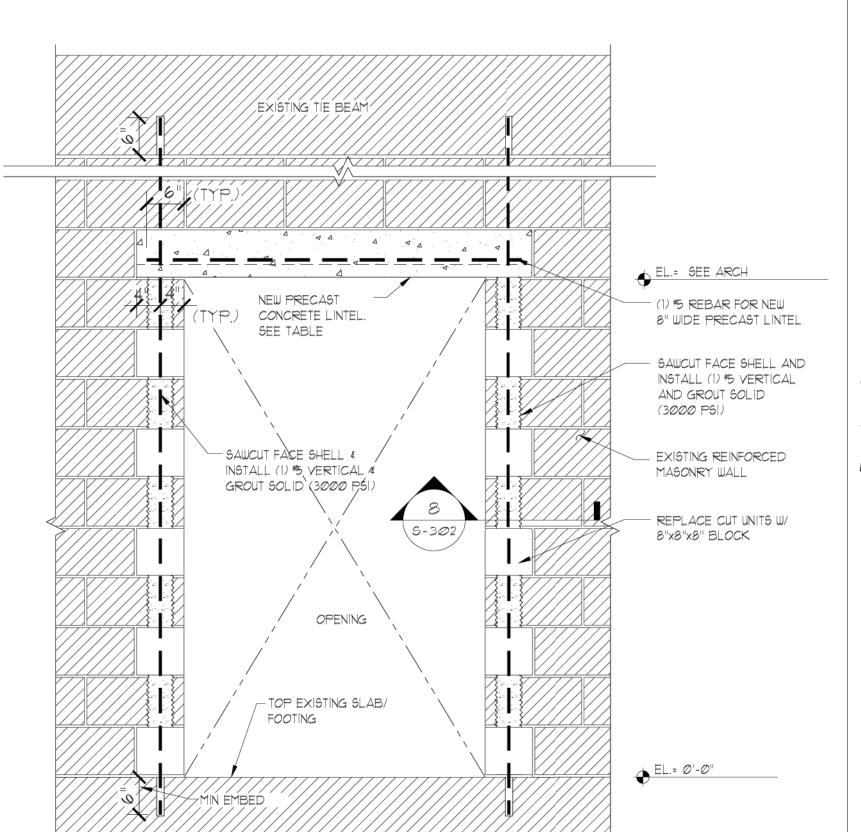
BEAM CONNECTION

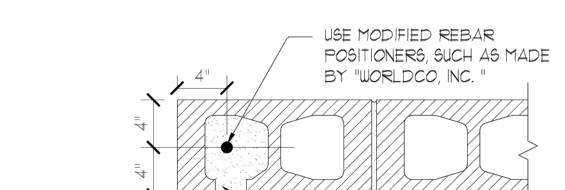
LENGTH	UNIFORM SAFE LOAD - P	OUNDS PER LINEAR FOOT
LENGTH	W/O K.O. BLOCK	W/ K.O. BLOCK
4'-0" (48") PRECAST	2,693 LBS.	6,113 LBS.
4'-6" (54") PRECAST	2,189 LBS.	6,113 LBS.
5'-10" (70") PRECAST	1,451 LBS.	4,360 LBS.
7'-6" (90") PRECAST	1,011 LBS.	2,661 LBS.
9'-4" (112") PRECAST	752 LBS.	1,843 LBS.
10'-6" (126") PRECAST	643 LBS.	1,533 LBS.
11'-4" (136") PRECAST	582 LBS.	1,366 LBS.
12'-0" (144") PRECAST	540 LBS.	1,254 LBS.
14'-0" (168") PRECAST	442 LBS.	1,002 LBS.
17'-4" (208") PRESTRESSED	300 LBS.	95Ø LBS.
19'-4" (232") PRESTRESSED	235 LBS.	75Ø LBS.

NOTE:

SECTION A

- W/O K.O. BLOCK DESIGNATION REPRESENTS AN 8"x8" FULLY GROUTED CASTCRETE LINTEL WITH (1) #5 CONT. BOTTOM REINF.
- . W/K.O. BLOCK DESIGNATION REPRESENTS A 16" NOMINAL DEPTH, FULLY GROUTED COMPOSITE LINTEL WITH (1) #5 CONT. TOP REINF. IN THE K.O. BEAM AND (1) #5 CONT. BOTTOM IN CASTCRETE LINTEL.
- PROVIDE CASTCRETE PRECAST CONCRETE LINTELS OVER ALL MASONRY OPENINGS GREATER THAN 12" USE RECESSED LINTELS WHERE REQUIRED BY ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 8" BEARING EACH SIDE OF OPENINGS AND KNOCKOUT BOTTOM OF LINTEL FOR MASONRY / CONCRETE COLUMN REINFORCING TO CONTINUE. SUBMIT LINTEL MANUFACTURER'S LOAD CAPACITY TABLE WITH LINTEL SHOP DRAWINGS.





TYPICAL CONCRETE LINTEL

REINFORCING DETAIL

CONCRETE STEPS

#4 NOSE BAR

#3@ 14"O.C. EA. WAY-

COMPACTED SOIL

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

- SAWCUT FACE SHELL & INSTALL (1) #5 VERTICAL \$

> TYPICAL NEW DOOR OPENING REINFORCING DETAIL

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SHEET TITLE:

MASONRY DETAILS

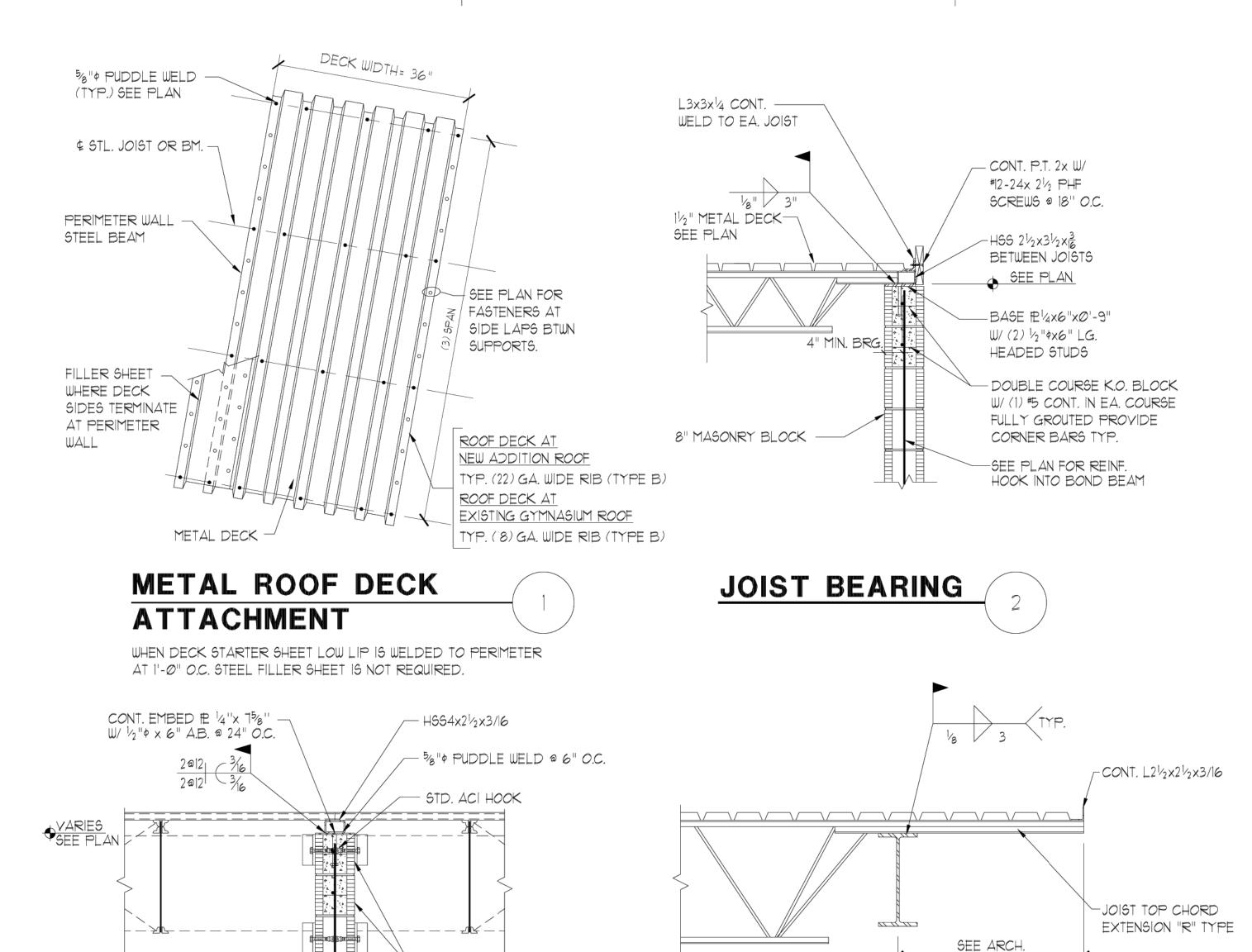
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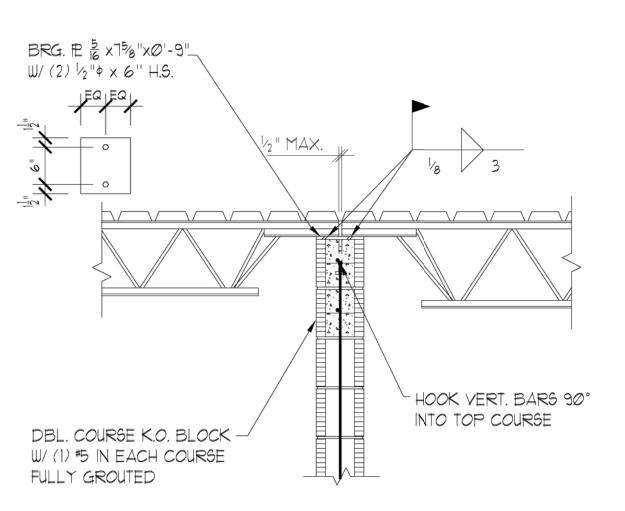
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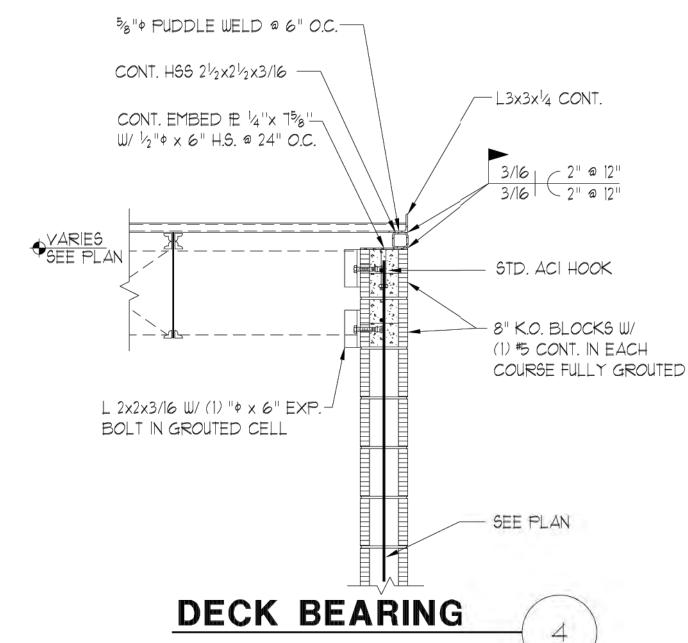
S-302 SHEET:

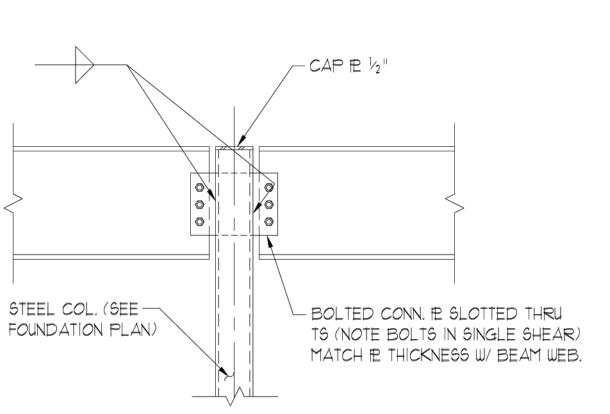
14 OF 68

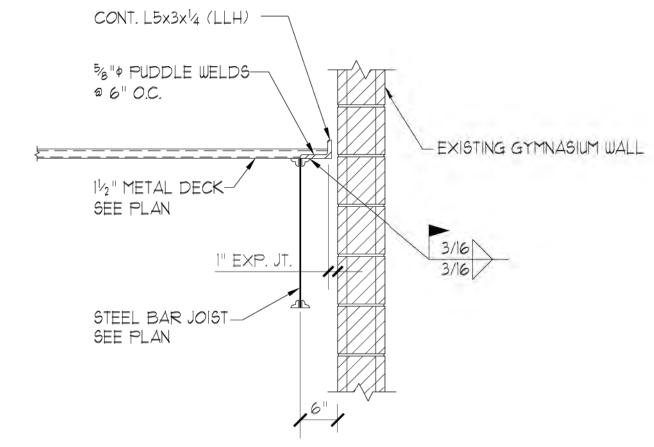




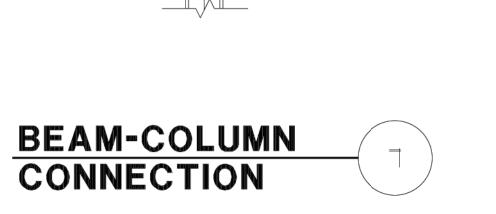
K JOIST BEARING

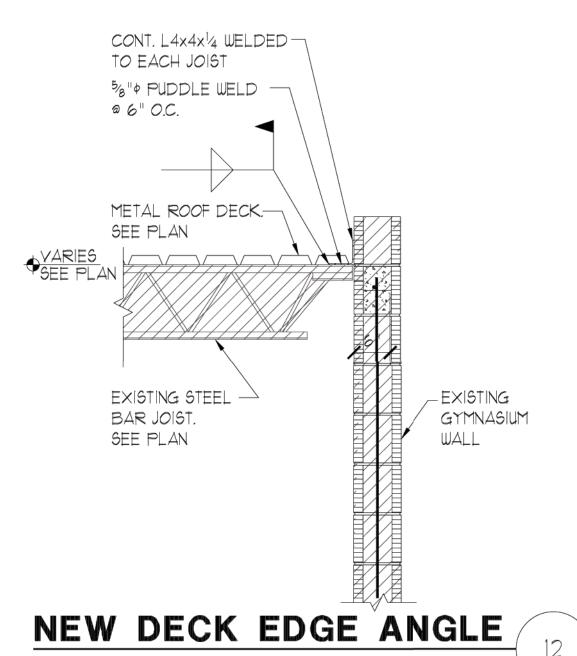


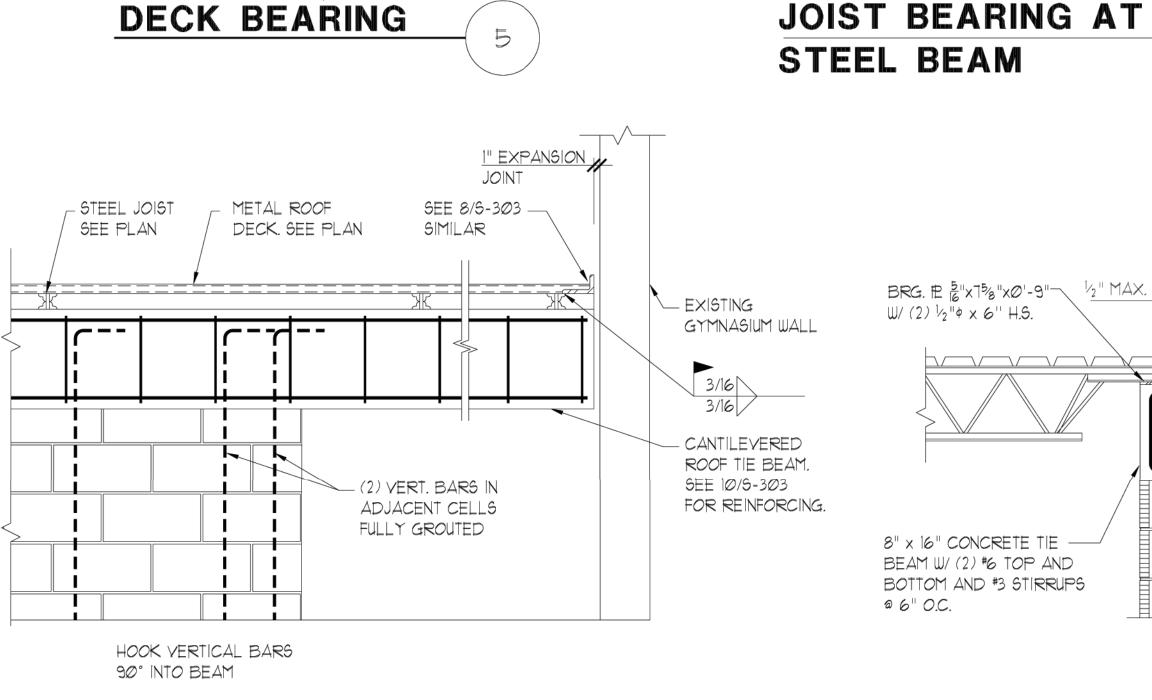




EXPANSION JOINT







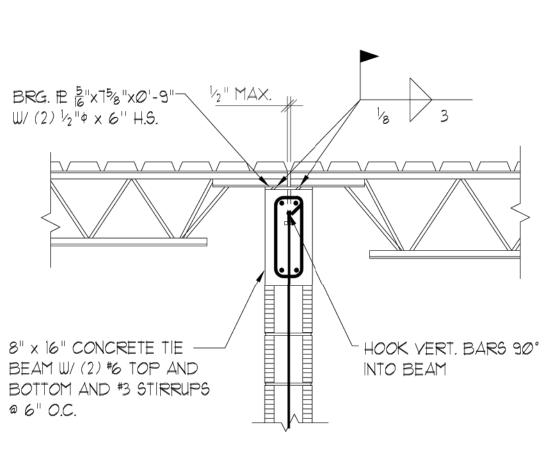
- 8" K.O. BLOCKS W/ (1) #5

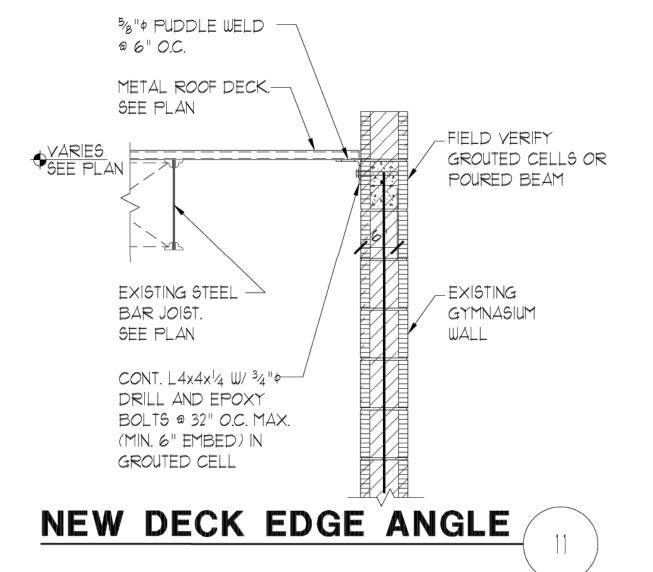
CONT. IN EACH COURSE

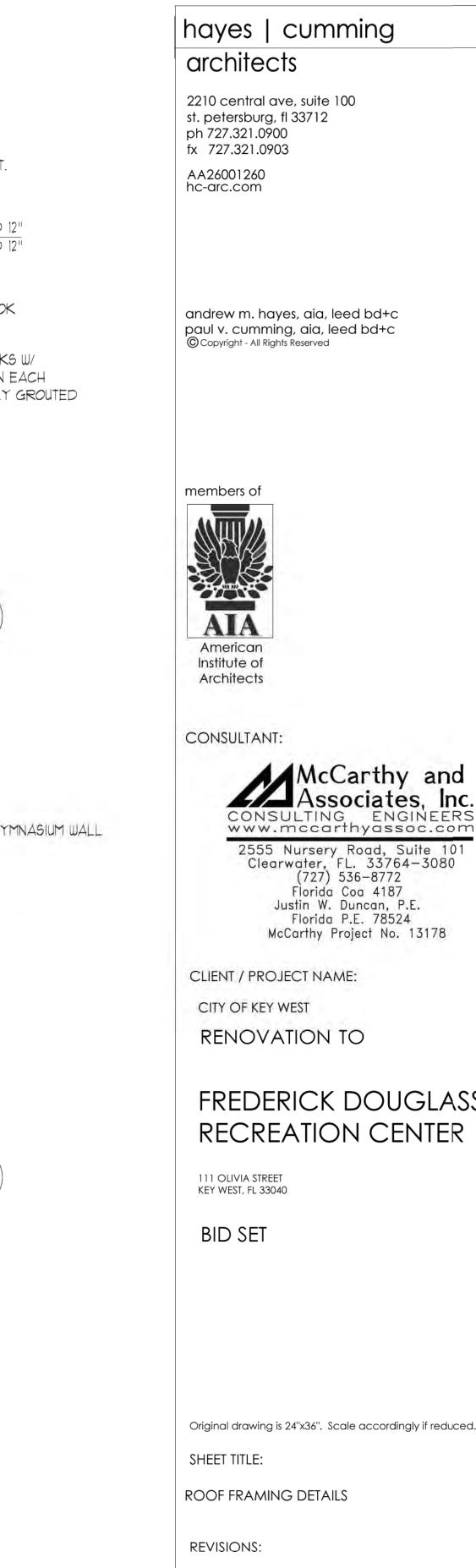
VERTICAL REINFORCEMENT

FULLY GROUTED

SEE PLAN FOR







FREDERICK DOUGLASS RECREATION CENTER

McCarthy and

Florida Coa 4187 Justin W. Duncan, P.E. Florida P.E. 78524

McCarthy Project No. 13178

BID SET

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ROOF FRAMING DETAILS

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-303

SHEET: 15 OF 68

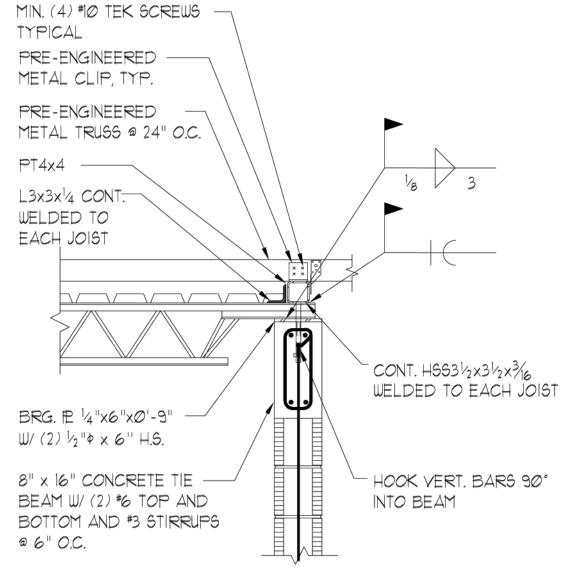
K JOIST BEARING

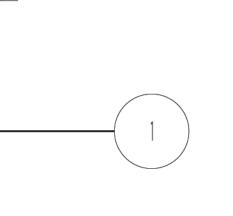
ROOF TIE BEAM

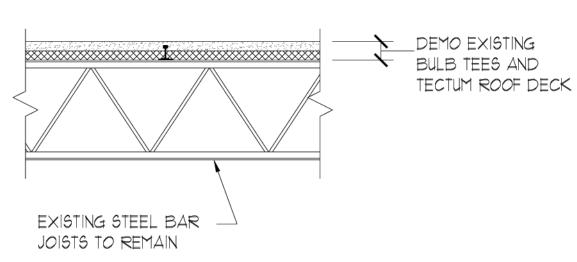
CANTILEVERED

L 2x2x3/16 W/ (1) "\$ x 6" EXP.-1

BOLT IN GROUTED CELL





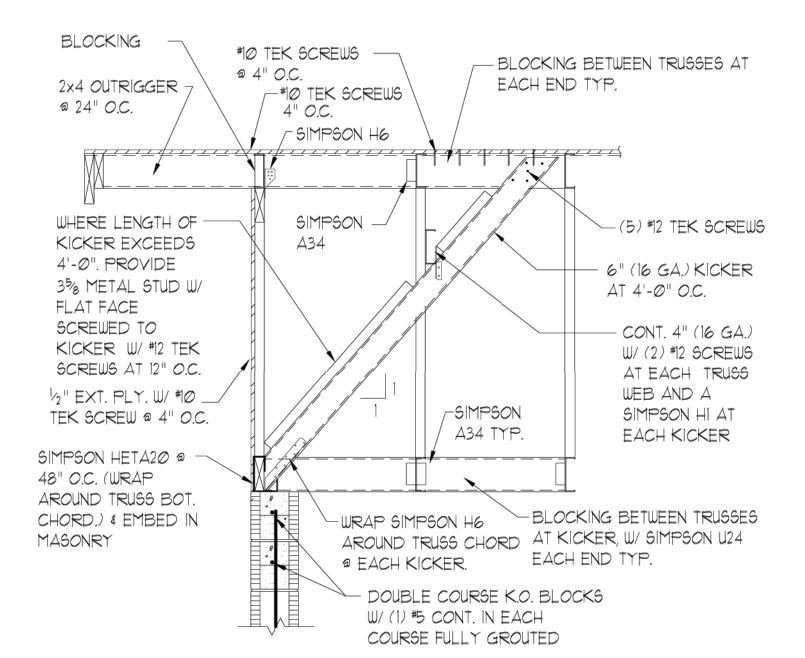


METAL TRUSS

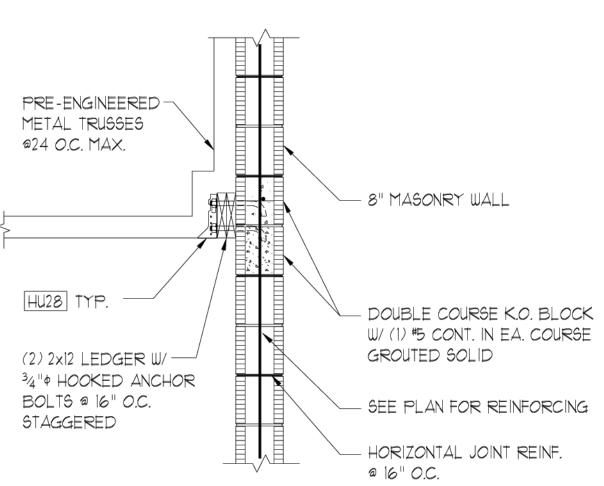
SUPPORT DETAIL

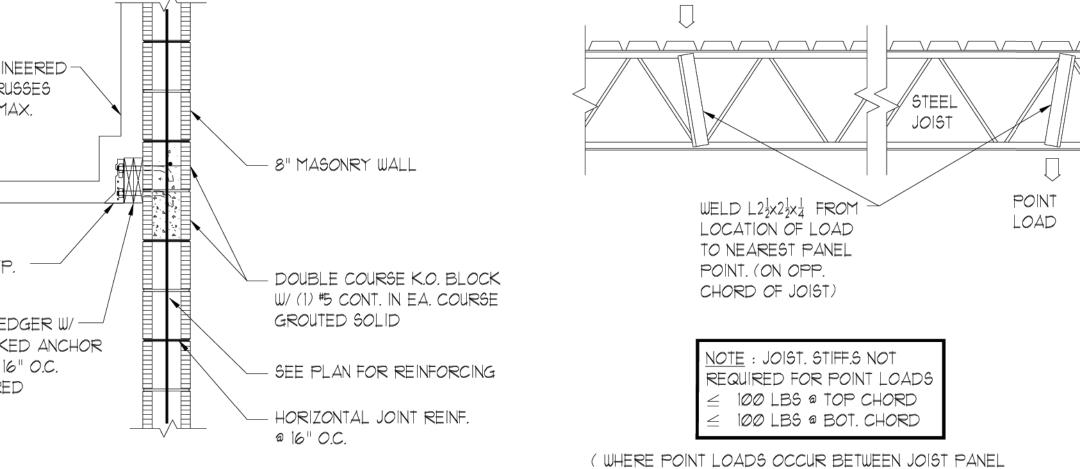
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING DURING DEMOLITION OF EXISTING ROOF AND INSTALLATION OF NEW ROOF
- 2. GRIND OFF WELDS CONNECTING THE BULB TEES TO THE EXISTING JOISTS
- 3. USE CAUTION NOT TO DAMAGE THE EXISTING
- 4. IF EXISTING JOISTS ARE DAMAGED DURING THE REMOVAL OF THE BULB TEES, CONTACT McCARTHY AND ASSOCIATES IMMEDIATELY FOR DIRECTION.

EXISTING ROOF DEMOLITION



TYPICAL SECTION AT GABLE END TRUSSES

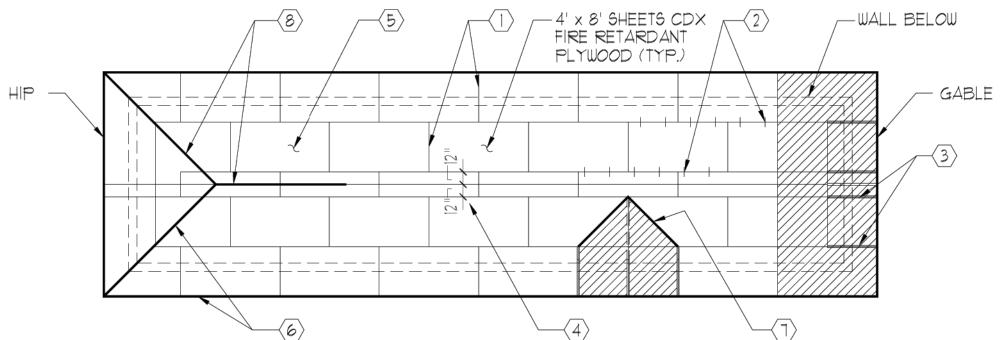




EQUIP. CURB POINT

LOAD, ETC.

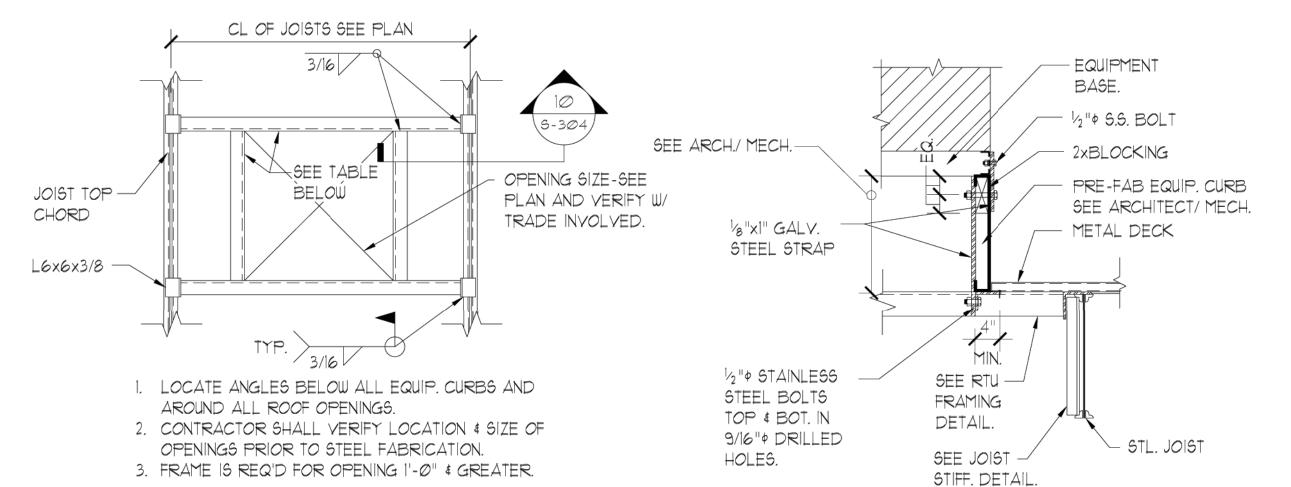
JOIST BEARING AT JOIST STIFFENER **METAL TRUSSES**



- (1) STAGGER END JOINTS AT FRAMING MEMBER
- PROVIDE A HURRICANE CLIP AT EACH JOINT, BETWEEN EACH FRAMING MEMBER
- (3) BLOCKING AT EACH JOINT, IN END ZONE
- 4 MINIMUM PLYWOOD WIDTH 12" SEE ARCHITECT FOR RIDGE VENTS
- (5) 5/8" OR GREATER PLYWOOD # 10 TEK SCREWS @ 4" O.C. EDGES AND 6" O.C. INTERMEDIATE

- (6) #10 TEK SCREWS @ 6" O.C. AT HIPS AND SUBFASCIA
- (1) #10 TEK SCREWS @ 3" O.C. AT VALLEYS
- PROVIDE BEVELED SHIMS FOR

ROOF DIAGRAM ATTACHMENT SCHEDULE SCALE: 1/8" = 1'-0"



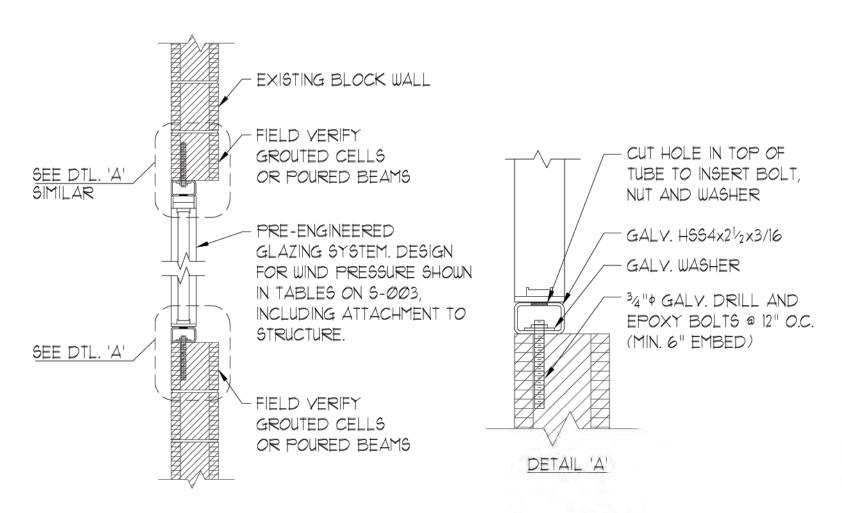
UNIT WEIGHT ANGLE SIZE \emptyset = 675 lbs. L4x3x1/4 L.L.V. 676 - 1500 lbs. L4x31/2x5/16 L.L.V 1501 - 3000 lbs. L6x4x3/8 L.L.V. 3001 - 6000 lbs | L6x6x3/8

RTU FRAMING

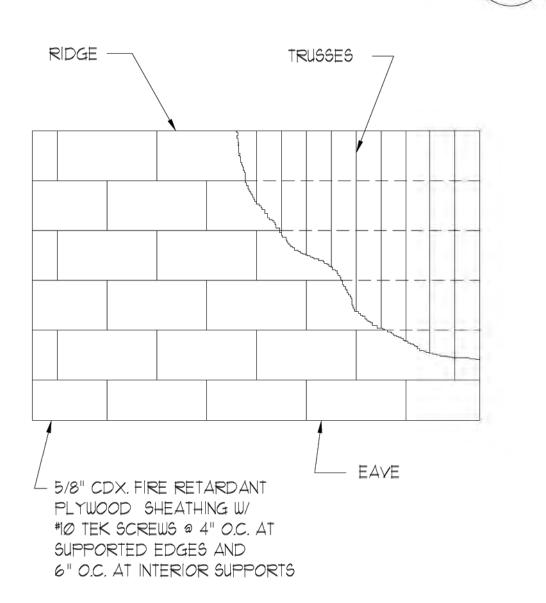
RTU HOLD-DOWN DETAIL

MAX. IN BETWEEN.

LOCATE 2 @ EACH CORNER \$ @ 5'-O" O.C.



WINDOW JAMB DETAIL



PLYWOOD ROOF DIAPHRAGM

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CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

ROOF FRAMING DETAILS

REVISIONS:

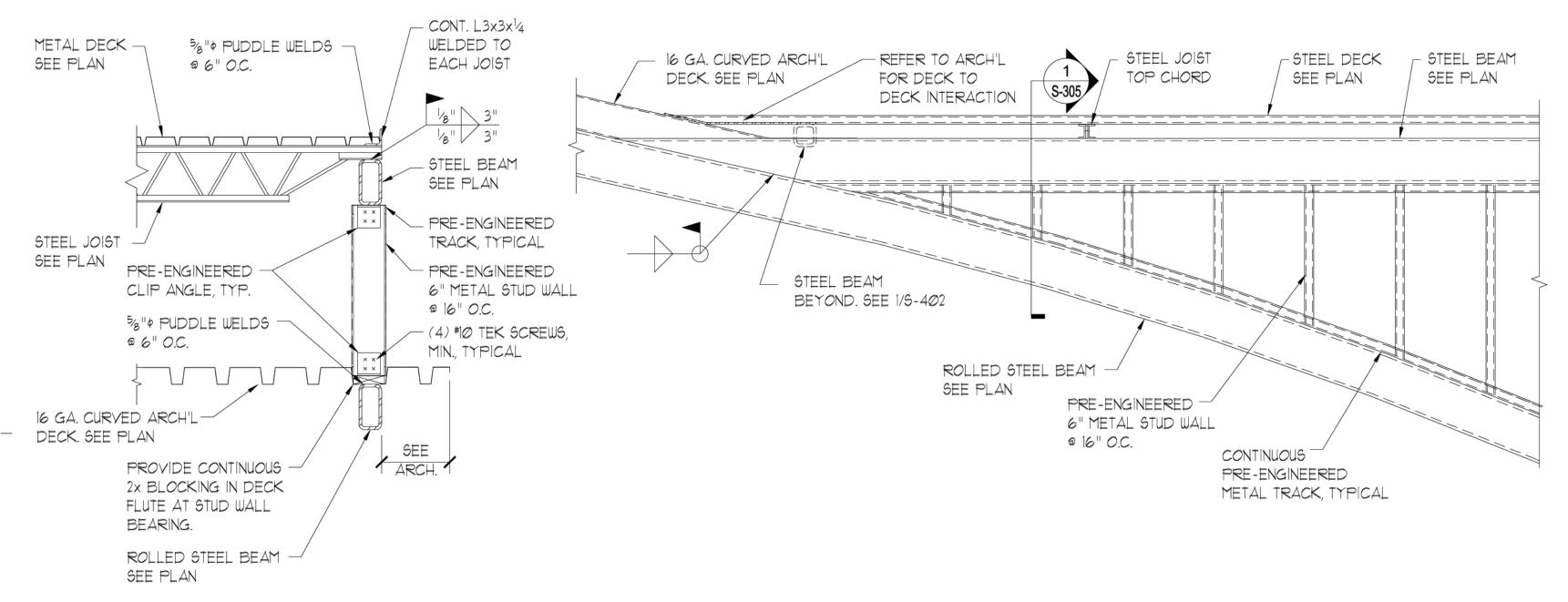
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

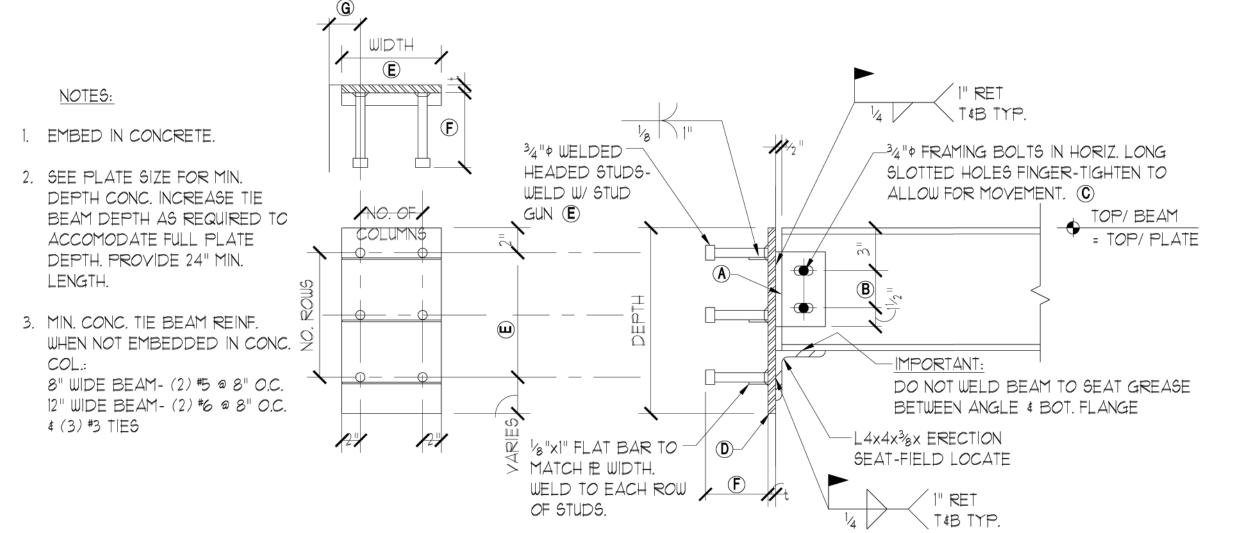
DRAWING NUMBERS

SHEET:

S-304

16 OF 68



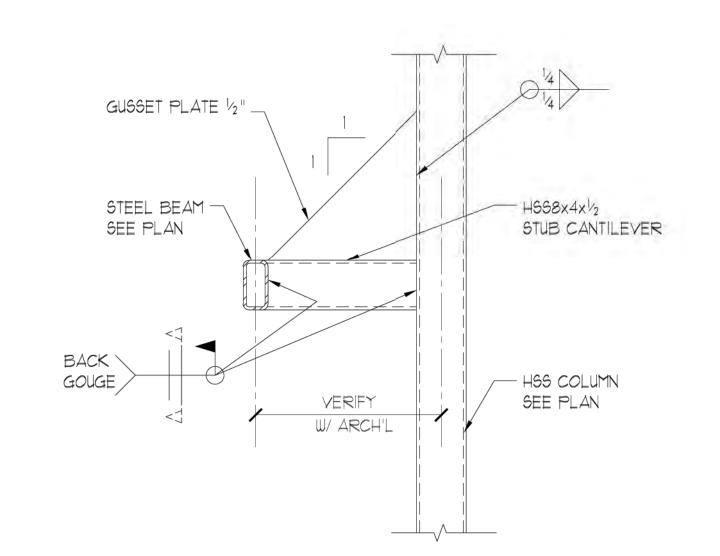


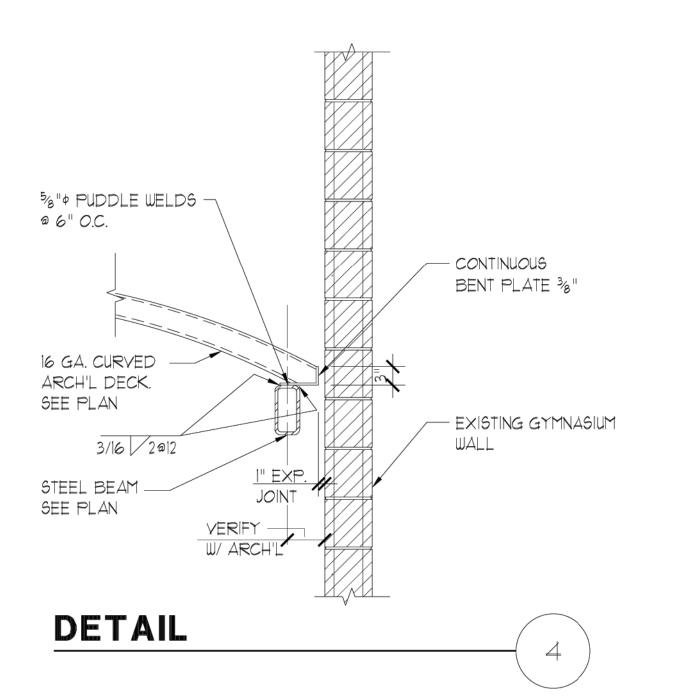
BEAM	MAX REACT.	FRAMING ANGLES	NO. BOLTS	BOLT TYPE		NO. O	F SHEAR STU	DS	STUD	MIN. EDGE		
SERIES	(KIPS)				(t x W x D)	COLUMNS	ROWS	TOTAL	LENGTH	DISTANCE		
		(A)	B	©	D		E		F	G		/
HSS4×4					½x10x1'-1"	2@ 5" O.C.	2@ 5" O.C.	4	5"	21/2"	t	
H\$\$6×4					1/2×10×1'-1"	2@ 5" O.C.	2@ 5" O.C.	4	5"	21/2"	\	
HSS8×4					1/2×10×1'-1"	2a 5" O.C.	2a 5" O.C.	4	5"	21/2"		\

DETAIL

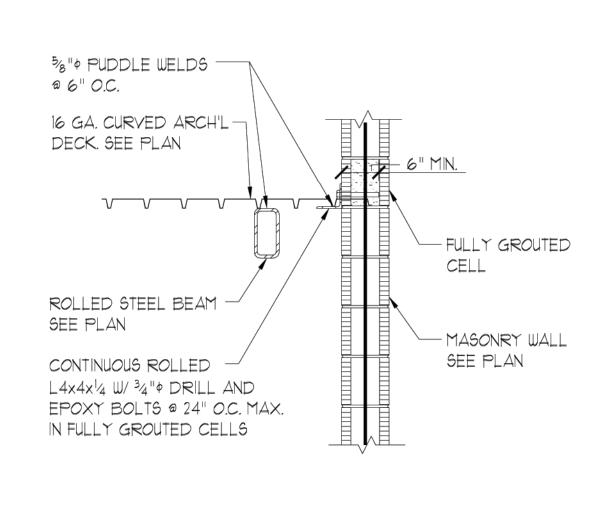
DETAIL

DOLI CLUSIEN DEIAIL





DETAIL



STEEL BEAM -SEE PLAN / 1/2" COLUMN CAP P BACK \
GOUGE - HSS COLUMN SEE PLAN GUSSET PLATE 1/2" _

DETAIL

VERIFY

W/ ARCH'L

HSS8x4x1/2

STUB CANTILEVER

DETAIL

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SHEET TITLE:

ROOF FRAMING DETAILS

REVISIONS:

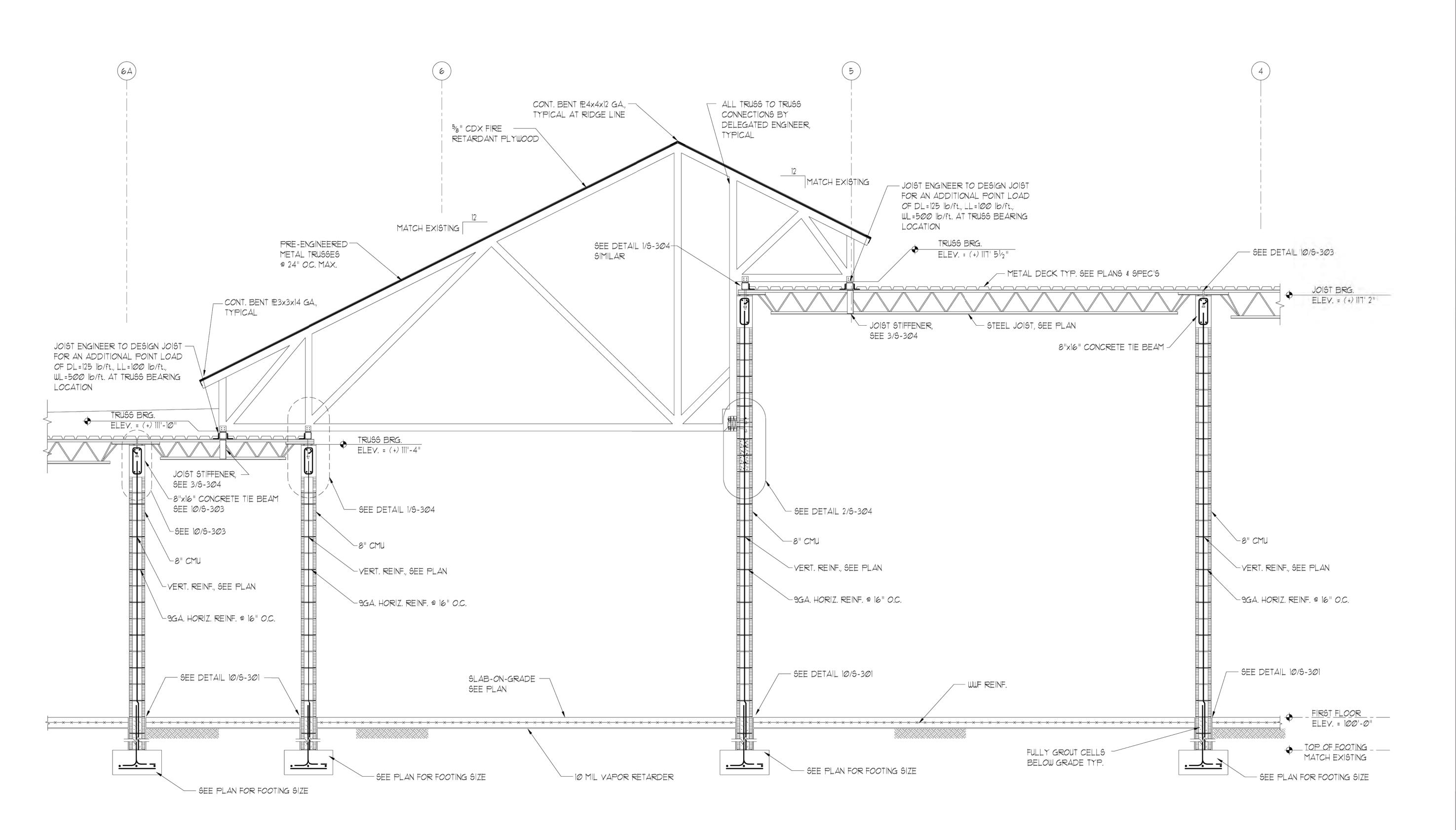
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-305

17 OF 68

SHEET:



PARTIAL BUILDING SECTION SCALE : 1/2" = 1'-0"

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SHEET TITLE:

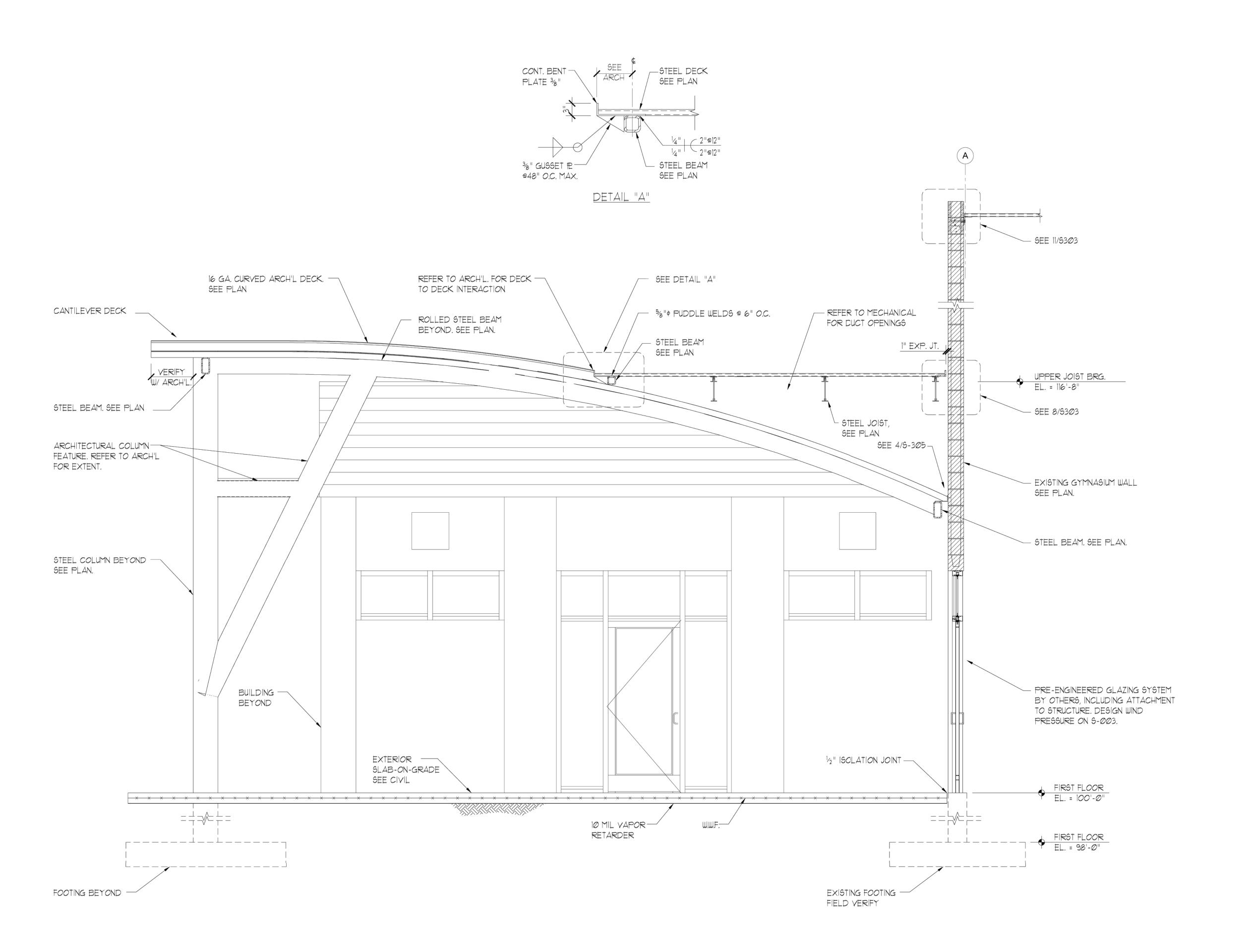
PARTIAL BUILDING SECTION

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

S-401 SHEET:



PARTIAL BUILDING SECTION SCALE : 1/2" = 1'-0"

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SHEET TITLE:

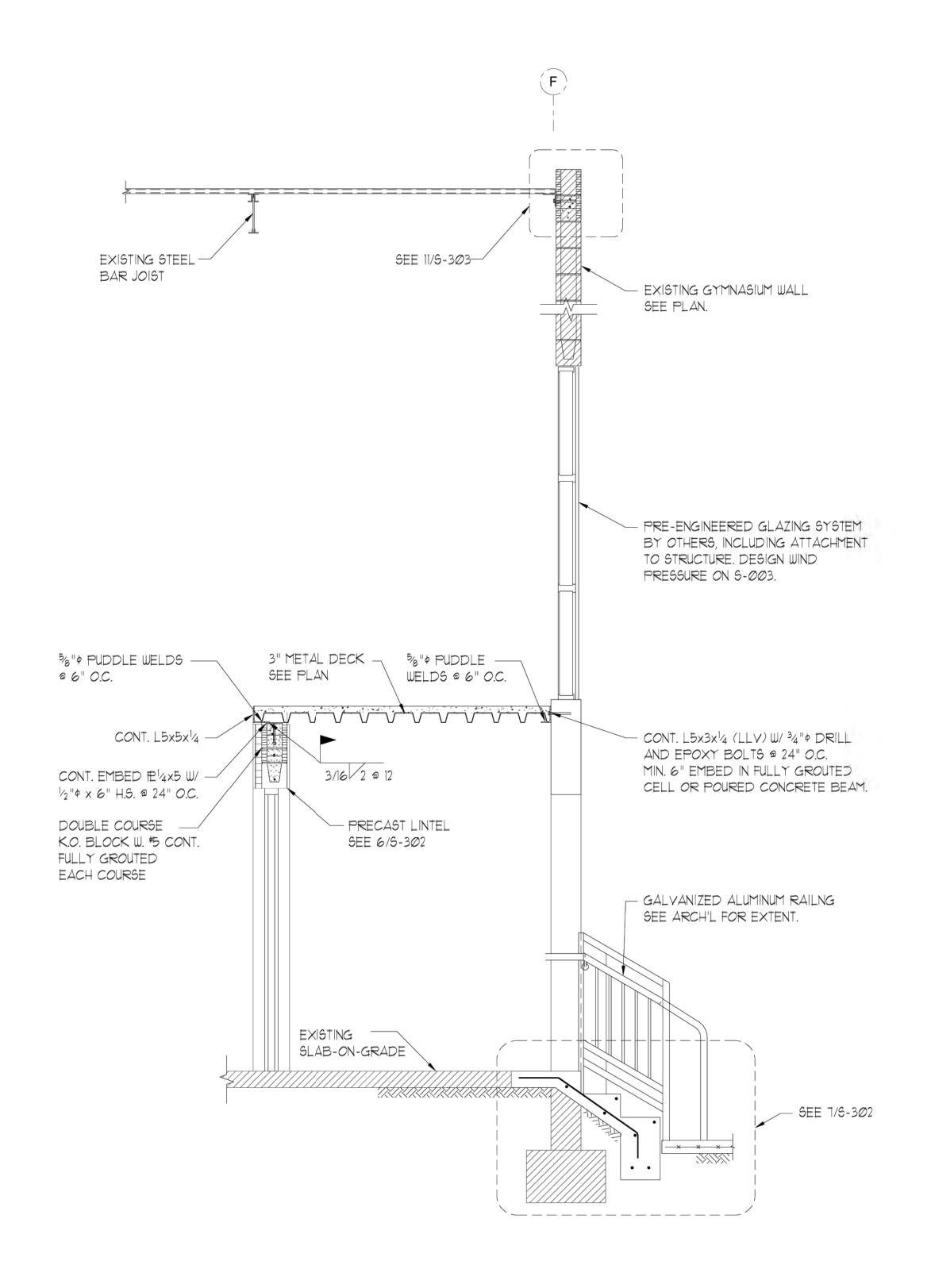
PARTIAL BUILDING SECTION

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER:

19 OF 68



PARTIAL BUILDING SECTION

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

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SHEET TITLE:

WALL SECTION

REVISIONS:

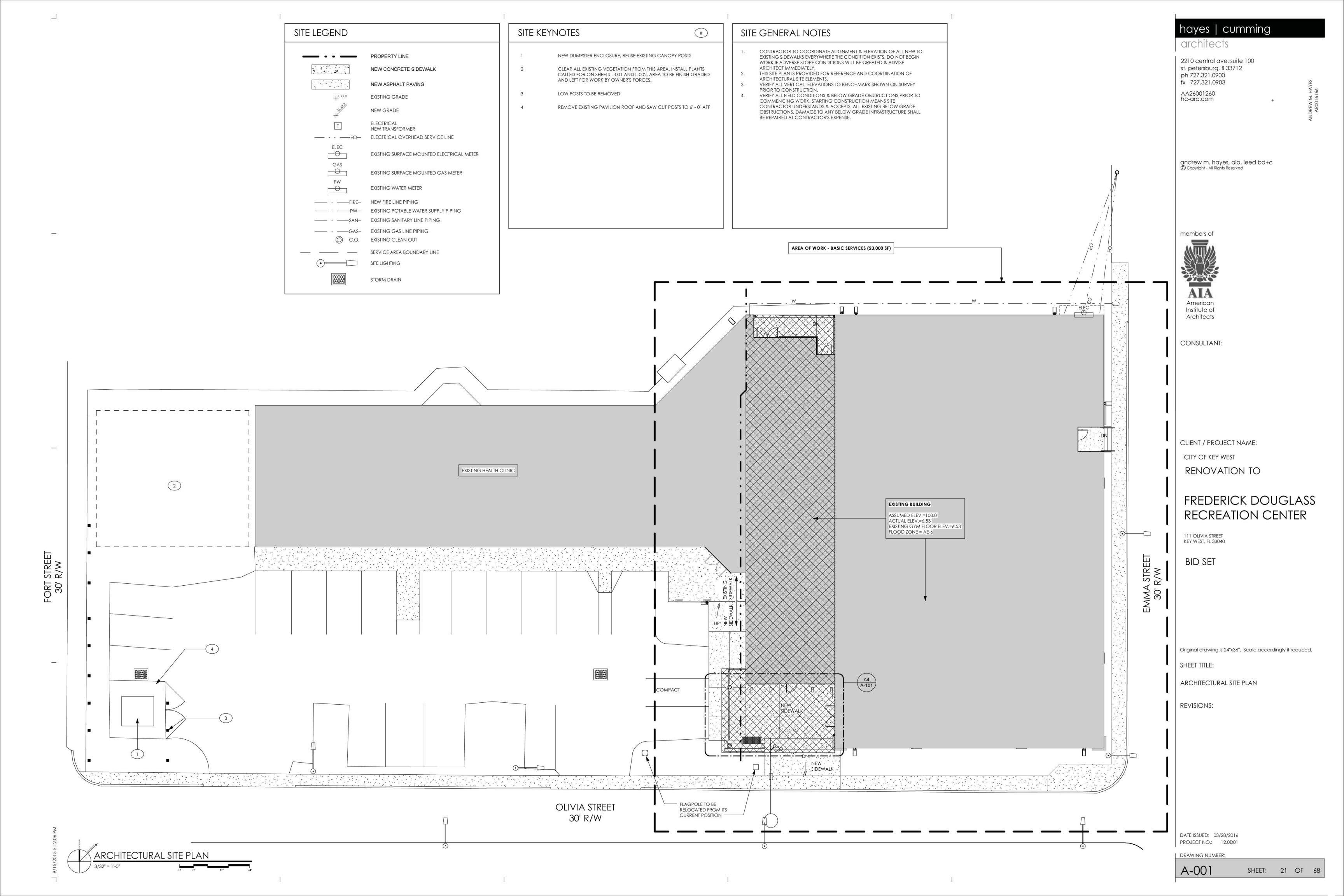
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

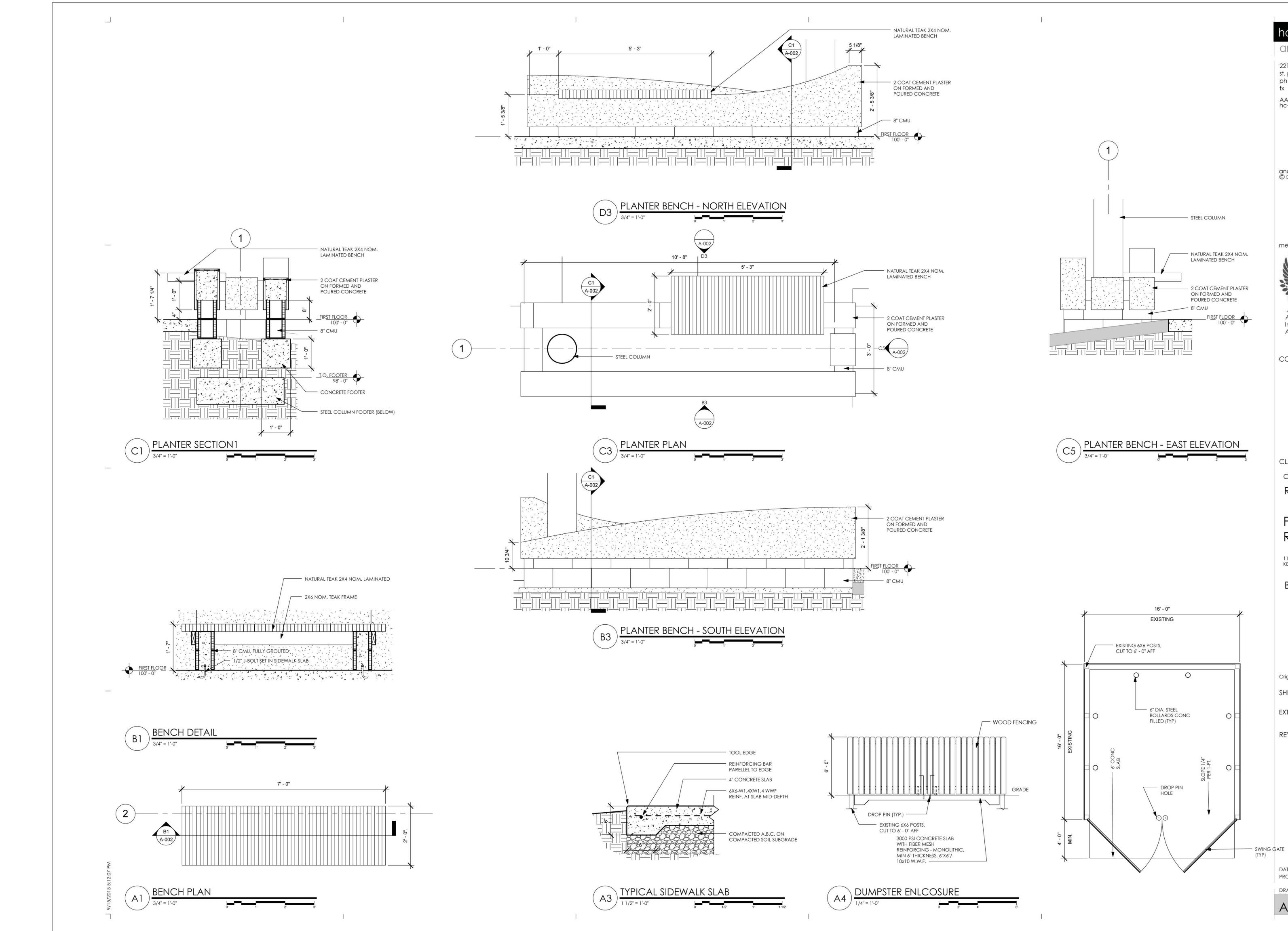
DRAWING NUMBER:

S-403

20 of 68

SHEET:





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BID SE

Original drawir SHEET TITLE:

REVISIONS:

EXTERIOR SI

DATE ISSUED: PROJECT NO.:

DRAWING NUM

A-002

GENERAL DEMOLITION NOTES

NOTE! SEE PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION
 SHEETS FOR SCOPE OF WORK SPECIFICALLY RELATING TO THESE TRADES.

REMOVE AND DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED. RECYCLE ITEMS AS

MUCH AS POSSIBLE.

3. REMOVE OF OR RELOCATE ALL WIRING, PLUMBING AND MECHANICAL EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND/OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISH SURFACES AND SHALL BE PROPERLY CAPPED OR PLUGGED.

4. COORDINATE DEMOLITION & CONSTRUCTION WITH EXISTING HEALTH

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SELECTIVE DEMOLITION KEYNOTES

#

DEMOLISH ALL FLOORS, WALLS, AND ROOF IN THIS AREA UNLESS OTHERWISE NOTED

WALLS TO REMAIN INTACT

CANTILEVERED CONCRETE ROOF TO BE REMOVED

REMOVE EXISTING DOOR

REMOVE EXISTING WINDOWS

DEMOLISH EXISTING ROOF

CRACKING EVIDENT TO WALL AND COLUMNS AT ELEVATION OF ROOF TO BE DEMOLISHED. GENERAL CONTRACTOR TO PROVIDE BRACING OF WALL PRIOR TO DEMOLITION. ENSURE ROOF LOAD TO EXISTING WALL TO REMAIN IS REMOVED GRADUALLY TO PREVENT FURTHER DAMAGE.

REMOVE EXISTING WALL TO HEIGHT OF 8'-0" AFF. PROVIDE TEMPORARY LINTEL AND BRACING.

PACKAGE PLAQUE, STORE IN A SECURE LOCATION FOR RE-USE

CAREFULLY REMOVE EXISTING PLAQUE AND FRAME. WRAP AND

0 BLEACHER SYSTEM TO BE RELOCATED. SEE A-101 FOR NEW LOCATION.

REPAIR ANY WALL DAMAGE TO MATCH EXISTING.

EXISTING COURT SURFACE TO BE COVERED AND PROTECTED THROUGHOUT CONSTRUCTION.

12 EXISTING BLEACHER SYSTEM TO BE COVERED AND PROTECTED THROUGHOUT CONSTRUCTION.

13 REMOVE EXISTING WALL TO HEIGHT OF 9'-0" AFF. PROVIDE TEMPORARY LINTEL AND BRACING

EXISTING CONCRETE WALK TO REMIAN

5 REMOVE EXISTING WALL FULL HEIGHT. PROVIDE TEMPORARY LINTEL AND

BRACING

16 REMOVE EXISTING DRINKING FOUNTAIN

17 REMOVE EXISITING PARTITION

8 SAW CUT OPENING FOR NEW WINDOW. PROVIDE TEMPORARY BRACING

19 SAW CUT AND DEMO EXISTING CONCRETE AWNING

SAW CUT SLAB FOR NEW SANITARY LINE

21 SAW CUT SLAB FOR FUTURE WALLS

REMOVE EXISTING A/C UNIT

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RENOVATION TO

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111 OLIVIA STREET KEY WEST, FL 33040

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SHEET TITLE:

SELECTIVE DEMOLITION PLAN

REVISIONS:

DEMOLITION LEGEND



EXISTING ONE STORY BUILDING



AREA OF EXISTING CONCRETE OVERHANG CANTILEVER TO BE REMOVED. THIS CONCRETE OVERHANG IS INTEGRAL TO ROOF STRUCTURE OF EXISTING BUILDING TO BE DEMOLISHED IT WILL HAVE TO BE REMOVED SIMULTANEOUS TO BUILDING AND WILL IMPACT CLINIC ACCESS AND OPERATIONS.



DEMOLISH EXISTING ROOF



EXISTING WALLS TO REMAIN

DEMOLISHED WALLS

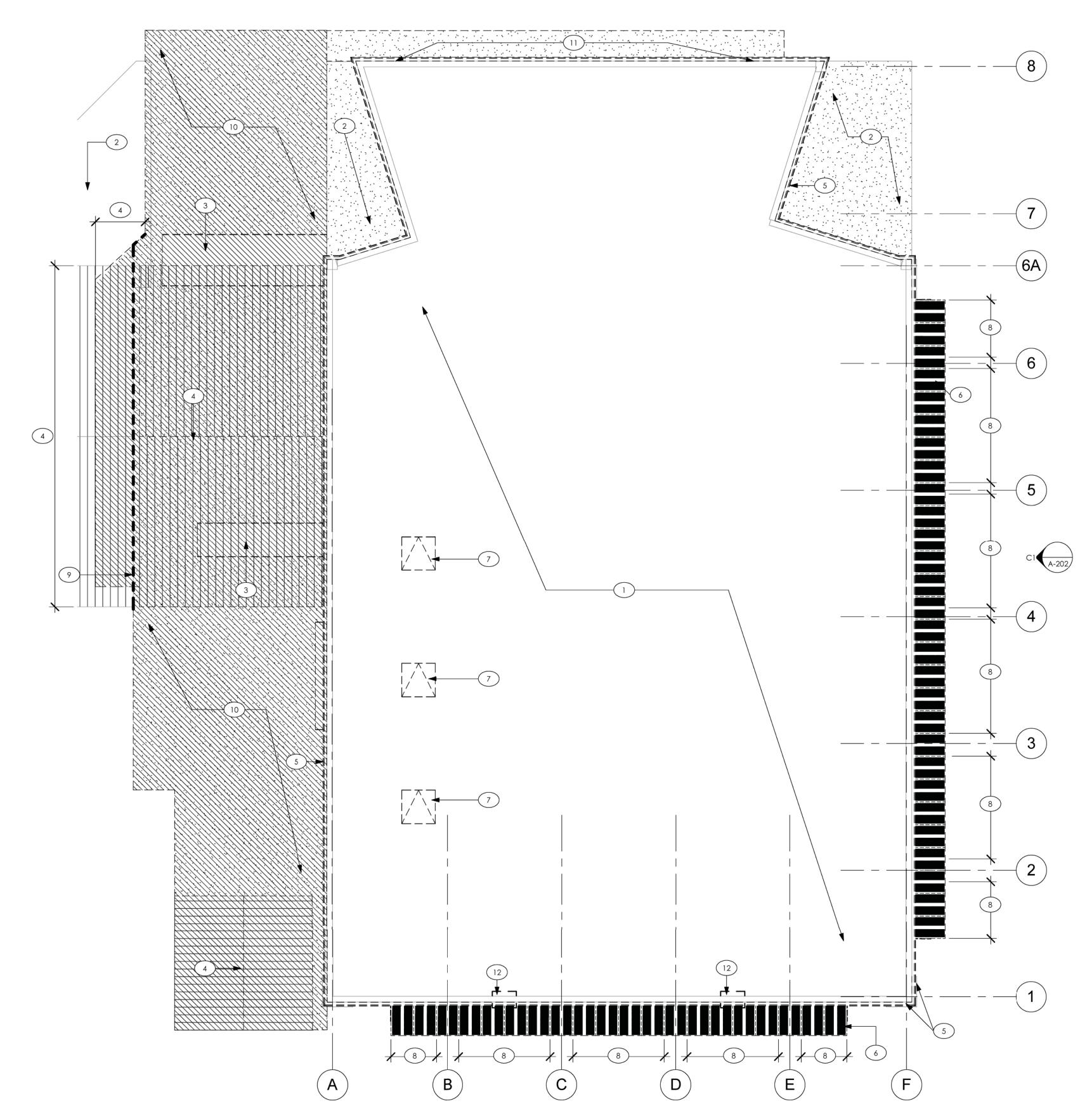
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER;

A-003

SHEET: 23 OF 68





GENERAL DEMOLITION NOTES

- NOTE! SEE PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION SHEETS FOR SCOPE OF WORK SPECIFICALLY RELATING TO THESE TRADES.
- REMOVE AND DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED. RECYCLE ITEMS AS MUCH AS REMOVE OF OR RELOCATE ALL WIRING, PLUMBING AND MECHANICAL
 - EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND/OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISH SURFACES AND SHALL BE PROPERLY CAPPED OR PLUGGED. COORDINATE DEMOLITION & CONSTRUCTION WITH EXISTING HEALTH CLINIC

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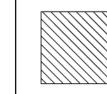
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SLECTIVE DEMOLITION KEYNOTES

- REMOVE BUILT-UP TECTUM/GYPSUM DECKING AND BULB TEE, SEE STRUCTURAL
- REMOVE ROOF MEMBRANE ON 4" CONCRETE DECK, INSPECT DECK FOR STRUCTURAL DAMAGE; ADVISE ARCHITECT IMMEDIATELY UPON FINDING ANY ADVERSE CONDITIONS.
- REMOVE ROOF MEMBRANE, PLYWOOD DECK AND 2X6 FRAMING
- REMOVE STANDING SEAM ALUMINUM ROOF
- REMOVE METAL GUTTER
- REMOVE METAL STORM SHUTTERS
- REMOVE SEALED ROOF VENT, ROOF CURB AND EXTRANEOUS SUPPORT/METAL DOWN TO TOP CHORD OF ROOF JOISTS
- REMOVE ALL EXISTING HARDWARE AND MOUNTING BRACKETS FOR WINDOW SHUTTERS
- EDGE OF DEMISING WALL
- REMOVE ROOF MEMBRANE AND CONCRETE DECK
- SAW CUT AND DEMO EXISTING CONCRETE AWNING
- REMOVE EXISTING EXHAUST FAN

DEMOLITION LEGEND



AREA OF BUILDING TO BE COMPLETELY DEMOLISHED

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RENOVATION TO

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BID SET

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SHEET TITLE:

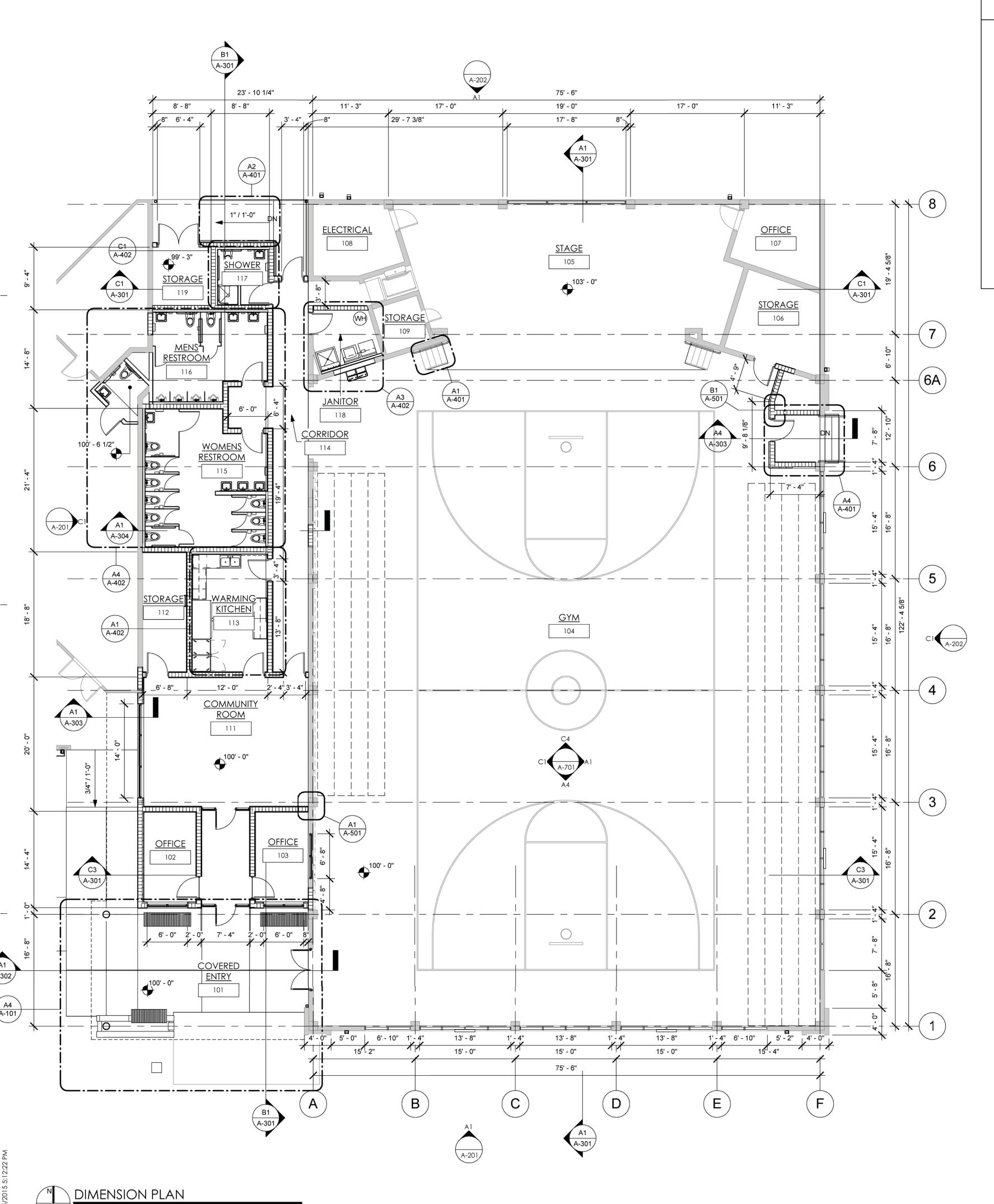
SELECTIVE DEMOLITION ROOF PLAN

REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

A-004

SHEET: 24 OF 68



SHEET KEYNOTES NEW CONCRETE SIDEWALK SLAB NEW CMU/CONCRETE PLANTER 1" EXPANSION JOINT, TYP.

CEMENT PLASTER ON EXPANDED WIRE MESH

INSTALL NEW PLAQUE, SEE DETAIL A4/A-202

INSTALL EXISTING HISTORICAL PLAQUE

STEEL COLUMN

EDGE OF EXISTING SIDEWALK

STEEL COLUMN, WRAP WITH METAL FURRING AND (2) COAT PORTLAND

GENERAL NOTES

REFER TO A-400 SHEETS FOR DIMENSIONS ON ENLARGED PLANS ALL DIMENSIONS TO FACE OF CMU

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SHEET TITLE:

DIMENSION PLAN

REVISIONS:

DATE ISSUED: 03/28/2016

PROJECT NO.: 12.0D01

DRAWING NUMBER:

A-101

SHEET: 25 OF 68

SEE A-400 SHEETS FOR ENLARGED PLANS DIMENSIONS ARE INDICATED TO THE CENTERLINE OF STRUCTURAL GRID, FACE OF CONCRETE WALL, NOMINAL FACE OF CMU WALL, FACE OF PARTITION AS SCHEDULED, UNLESS OTHERWISE NOTED ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT. TRUE & PLUMB. DIMENSIONAL LAYOUT SHALL BE IN THE FOLLOWING PRIORITY STRUCTURAL DRAWINGS

DIMENSION NOTES

LARGE SCALE DETAILS SMALL SCALE DETAILS **ENLARGED PLANS AND SECTIONS** FLOOR PLANS

FLOOR ELEVATIONS ARE INDICATED AT THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED VERTICAL DIMENSIONS ARE INDICATED FROM THE FLOOR SLAB ELEVATION TO

FACE OF FRAMING OR STRUCTURAL MEMBER, UNLESS NOTED ABOVE FINISH FLOOR - "AFF"

CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF THE SUSPENDED ACOUSTIC CEILING GRID OR FACE OF FRAMING MEMBER FOR OTHER CEILING TYPES, UNLESS OTHERWISE NOTED

REQUIRED SIZE, CLEARANCES, AND RELATIONSHOPS ARE INDICATED BY DIMENSIONS AS NOTED

THE EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS ARE PROVIDED BY THE ARCHITECT BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON THE JOB SITE AND NOTIFY THE ARCHITECT OF DEVIATIONS FROM THESE DRAWINGS.

(2) A1 A-002 A1 A-302 CJ CJ

ENLARGED COVERED ENTRY

10' - 8"

REFER TO A-400 SHEETS FOR ENLARGED PLANS FOR DIMENSION PLAN OF THIS LEVEL SEE A-101

OUTDOOR STAIRWAYS AND OUTDOOR APPROACHES TO STAIRWAYS SHALL BE

THE WALKING SURFACE OF TREADS AND LANDING SHALL NOT BE SLOPED

ALL EXTERIOR FASTENERS SHALL BE STAINLESS STEAEL OR HOT DRIPPED

STEEPER THAN 1:50 (2 PERCENT SLOPE) IN ANY DIRECTION.

HI-LO DRINKING FOUNTAIN

EXISTING CLINIC WALL TO REMAIN

CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES,

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SHEET TITLE:

ARCHITECTURAL PLAN

REVISIONS:

SOUTH WALL, OR HOW THEY FALL WITH A FIELD PATTERN CENTERED ON THE SPACE.

METAL STUD INFILL, PATCH AND REPAIR PLASTER TO MATCH EXISTING EXISTING GENERATOR ON CONCRETE SLAB 1" EXPANSION JOINT, TYP. EXISTING ELECTRICAL METER CENTER MAIN EXISTING CONCRETE SIDEWALK TO REMAIN TAPER ASPHALT TO MEET CONCRETE SLAB ELEVATION NEW CONCRETE WALK NEW SLAB OVER EXISTING RAMP TO MATCH HEALTH CLINIC SLAB RELOCATED BLEACHERS, PATCH AND REPAIR EXISTING WALL AS CORNER GUARD, SEE FINISH SCHEDULE SLOPE SLAB FINISH FOR DRAINAGE FLOOR TILE PATTERN, SEE DETAIL A5/A-102 OVERHANG ABOVE ROOF ACCESS LADDER STEEL COLUMN

#

BLOCK INFILL, PATCH AND REPAIR PLASTER TO MATCH EXISTING

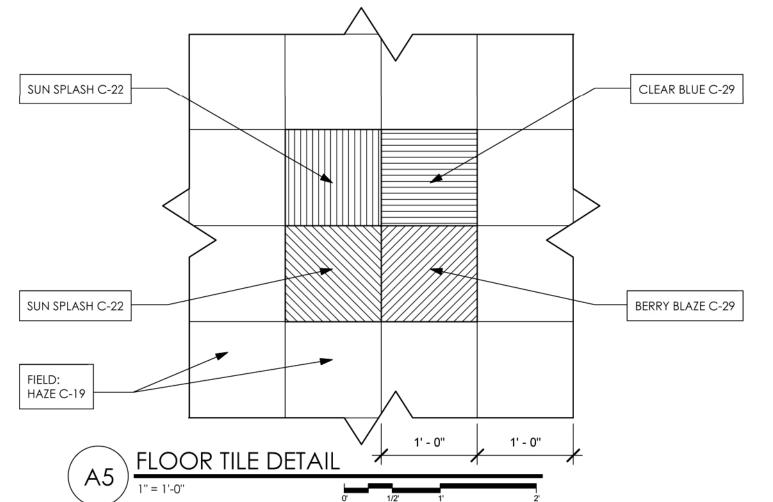
EXISTING WHEELCHAIR LIFT TO REMAIN

MATERIAL AND FINISH CODE LIST

SHEET KEYNOTES

		FLC	OOR		WALLS								CEIL	ING		
ROOM				BAS	E	NC	RTH	E/	AST	SC	UTH	W	'EST			
NO.	NAME	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MTL	FIN	MATL	FIN	MATL	FIN	NOTES
				1												
101	COVERED ENTRY															SEE ELEVATIONS FOR EXTERIOR FINISHES
102	OFFICE	Α	VCT-1	RWB-1		С	P-1	С	P-1	С	P-1	С	P-1	G	ACT-1	
103	OFFICE	Α	VCT-1	RWB-1		С	P-1	E	P-2	С	P-1	С	P-1	G	ACT-1	
104	GYM	Α	ETR	RWB-1		ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	ETR	ETR	EXISTING SPC-1 TO REMAIN
105	STAGE	F	ETR	RWB-1		ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	ETR	ETR	INSPECT EXISTING WOOD FLOOR. REPAIL AND REPLACE AS NEEDED
106	STORAGE	ETR	ETR	ETR		ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	Α	ETR	
107	OFFICE	ETR	ETR	ETR		ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	Α	ETR	
108	ELECTRICAL	ETR	ETR	ETR	-	ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	Α	ETR	
109	STORAGE	ETR	ETR	ETR		ETR	P-2	ETR	P-2	ETR	P-2	ETR	P-2	Α	ETR	
110	HALL	Α	VCT-1	RWB-1				С	P-1	, 		С	P-1	С	P-3	SEE FLOOR PATTERN DETAIL A4/A-102
111	COMMUNITY ROOM	Α	VCT-1	RWB-1		С	P-1	Е	P-2	С	P-1	С	P-1	G	ACT-1	SEE FLOOR PATTERN DETAIL A4/A-102
112	STORAGE	Α	VCT-1	RWB-1		С	P-1	C	P-1	С	P-1	С	P-1	G	ACT-1	
113	WARMING KITCHEN	Α	VCT-1	RWB-1		С	P-1	С	P-1	С	P-1	С	P-1	G	ACT-1	
114	CORRIDOR	Α	VCT-1	RWB-1		С	P-1	Е	P-2	С	P-1	С	P-1	G	ACT-1	SEE FLOOR PATTERN DETAIL A4/A-102
115	WOMENS RESTROOM	Α	CT-1	WT-1		С	P-1/WT	С	P-1/WT	С	P-1/WT	С	P-1/WT	G	ACT-1	SEE TILE PATTERNS A-702
116	MENS RESTROOM	Α	CT-1	WT-1		С	P-1/WT	С	P-1/WT	С	P-1/WT	С	P-1/WT	G	ACT-1	SEE TILE PATTERNS A-702
117	SHOWER	Α	CT-1	WT-1		С	P-1/WT	С	P-1/WT	С	P-1/WT	С	P-1/WT	С	P-3	SEE TILE PATTERNS A-702
118	JANITOR	Α	VCT-1	RWB-1	·	В	P-2	Е	P-2	Е	P-2	Е	P-2	Α		WT-6 TILE TO 4'-0" AFF AT MOP SINK
119	STORAGE	Α	CBF			В		В		В		E		OTA		
120	RESTROOM	Α	VCT-1	RWB-1		E	P-2	С	P-1	E	P-2	С	P-1	G	ACT-1	FINISHES TO MATCH EXISTING CLINIC

	2' X 2' ACOUSTICAL CEILING TILE CONCRETE BROOM FINISH CORNER GUARD TO 6'-0" AFF - FLEXCO VINYL 2 1\4" X 2 1\4" - CAPPUCINO 065 CERAMIC TILE: 12" X 12" FIELD - DALTILE SUNRISE CP81 LATEX PAINT LATEX PAINT LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT VINYL TILE: 12" X 12" - FLEXCO - HAZE C-19
C GYPSUM BOARD D CEMENT BOARD E CEMENT PLASTER F PLYWOOD DECK G 2X2 SUSPENDED CEILING ETR EXISTING TO REMAIN OTA OPEN TO ABOVE CG-1 CT-1 P-1 P-2 P-3 ETR EXISTING TO REMAIN SPC-1 VCT-1	CORNER GUARD TO 6'-0" AFF - FLEXCO VINYL 2 1\4" X 2 1\4" - CAPPUCINO 065 CERAMIC TILE: 12" X 12" FIELD - DALTILE SUNRISE CP81 LATEX PAINT LATEX PAINT LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
D CEMENT BOARD E CEMENT PLASTER F PLYWOOD DECK G 2X2 SUSPENDED CEILING ETR EXISTING TO REMAIN OTA OPEN TO ABOVE CT-1 VCT-1	CERAMIC TILE: 12" X 12" FIELD - DALTILE SUNRISE CP81 LATEX PAINT LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
E CEMENT PLASTER F PLYWOOD DECK G 2X2 SUSPENDED CEILING ETR EXISTING TO REMAIN OTA OPEN TO ABOVE P-1 P-2 P-3 RWB-1 VCT-1	LATEX PAINT LATEX PAINT LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
F PLYWOOD DECK G 2X2 SUSPENDED CEILING ETR EXISTING TO REMAIN OTA OPEN TO ABOVE P-2 P-2 P-3 EXISTING TO REMAIN SPC-1 VCT-1	LATEX PAINT LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
G 2X2 SUSPENDED CEILING P-3 ETR EXISTING TO REMAIN RWB-1 OTA OPEN TO ABOVE SPC-1	LATEX PAINT - CEILING RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
ETR EXISTING TO REMAIN OTA OPEN TO ABOVE RWB-1 SPC-1 VCT-1	RESILIENT WALL BASE - FLEXCO VINYL 6" COVE - CAPPUCINO 065 SPORT COURT
OTA OPEN TO ABOVE SPC-1 VCT-1	SPORT COURT
VCT-1	
100	VINYL TILE: 12" X 12" - FLEXCO - HAZE C-19
NOTES LEGEND:	
	VINYL TILE: 12" X 12" COLOR BLOCK - FLEXCO - SUN SPLASH C22, CLEAR BLUE C-27, COOL CUCUMBER C-25, BERRY BLAZE C-29
1. USE MOISTURE RESISTANT GYPSUM BOARD AT ALL WET AREAS. WT-1	WALL TILE: 6" X 4" BASE - DALTILE - VANILLA QH23 SEMIGLOSS
2. USE CEMENTITIOUS BACKER BOARD FOR TILE SUBSTRATE. 3. FLOOR GROUT TO BE LATICRETE #56 DESERT KHAKI 4. WALL GROUT TO BE LATICRETE # 85 ALMOND	WALL TILE: 12" X 12" FIELD @ 45 DEGREES - DALTILE - PORCELAIN BEIGE CD31 UNPOLISHED
WT-3	WALL TILE: 6" X 4" TRIM - DALTILE - VANILLA QH23 SEMIGLOSS
WT-4A	WALL TILE: 6" X 6" BAND - DALTILE - AEGEAN QH31 SEMIGLOSS
WT-4B	WALL TILE: 6" X 6" BAND - DALTILE - PERIWINKLE QH31 SEMIGLOSS
WT-4C	WALL TILE: 6" X 6" BAND - DALTILE - DAISY QH97 SEMIGLOSS
WT-4D	WALL TILE: 6" X 6" BAND - DALTILE - CANDY APPLE QH93 SEMIGLOSS
WT-5	WALL TILE: 6" X 4" TRIM BULLNOSE - DALTILE - VANILLA QH23 SEMIGLOSS
WT-6	WALL TILE: 6" X 6" FIELD SHOWER - DALTILE - PORCELAIN MANDORLA CON SPEZIA CD UNPOLISHED



HALL 110 - CENTERED IN THE ROOM. COMMUNITY ROOM 111 (4) - EACH CORNER OF THE ROOM, APPROX. 2'-0" FROM EACH WALL, OR HOW THEY FALL WITH

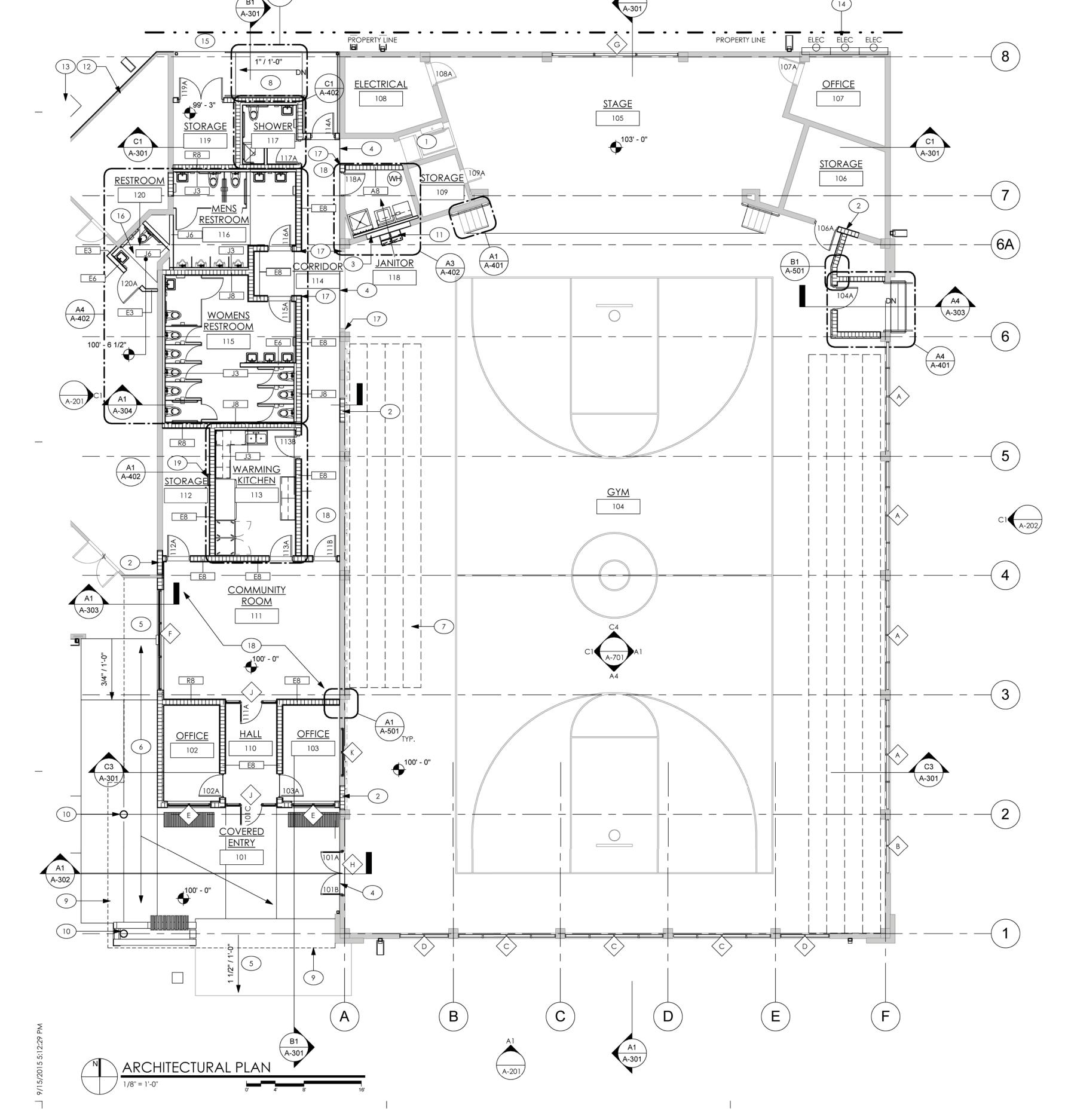
A FIELD PATTERN CENTERED ON THE ROOM. CORRIDOR 114 - NORTH AND SOUTH ENDS CENTERED ON THE CORRIDOR AND APPROX. 2'-0" FROM NORTH AND

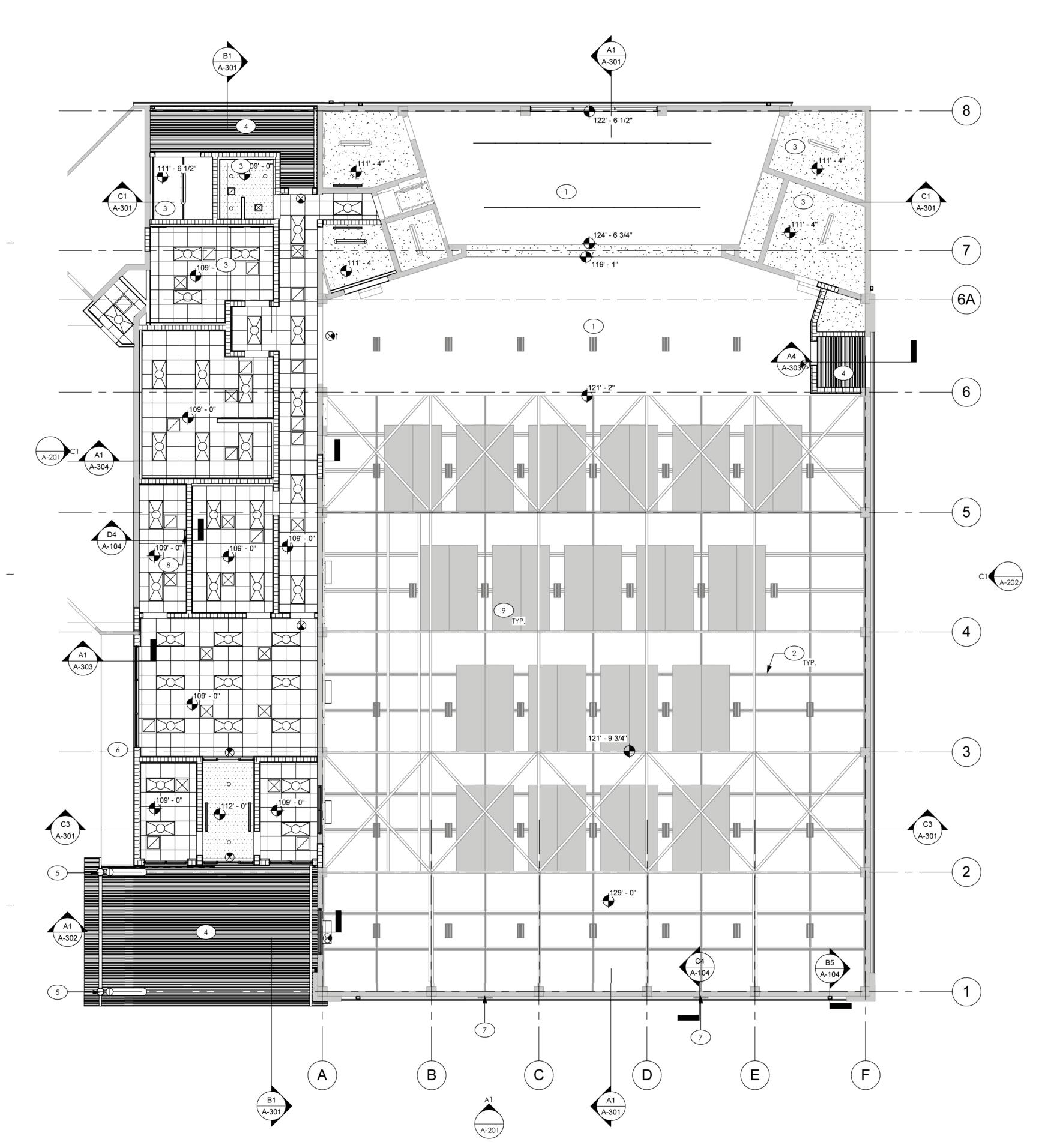
CORRIDOR 114 - AT THE INTERSECTION OF THE CENTER OF THE CORRIDOR AND THE CENTER OF THE RESTROOM VESTIBULE.

> DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

DRAWING NUMBER

A-102 SHEET: 26 OF 68





GENERAL NOTES

REVIEW ALL PROPOSED CONSTRUCTION BEFORE COMMENCING WORK.

FURNISH AND INSTALL ALL NEW CEILINGS AS INDICATED ON THE DRAWINGS AND IN THE ROOM FINISH SCHEDULE.
REFER TO MECHANICAL, ELECTRICAL, PLUMBING, & FIRE PROTECTION DRAWINGS

FOR COORDINATION OF ALL TRADES AND ASSOCIATED WORK.
ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS

CEILING HEIGHTS INDICATED ARE RELATIVE TO FINISH FLOOR HEIGHT WHERE CEILING TAG IS LOCATED

ALL ACOUSTICAL CEILING TILE IS TO BE CENTERED IN THE ROOM WHERE ACOUSTICAL PANELS ARE REQUIRED TO BE CUT, CUT THE PANELS TO MAINTAIN A SHARP AND NEAT EDGE.

FOR SCHEDULE OF LIGHT FIXTURES.

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EXISTING GYPSUM CEILING SOFFIT

EXISTING STEEL TRUSS

OPEN TO ABOVE

SHEET KEYNOTES

EXTRUDED ROOF DECK CEILING SYSTEM

STEEL COLUMN

ALUMINUM AWNING

EXISTING FANS TO BE REMOVED; 6" METAL STUD INFILL WITH CEMENT

PLASTER EACH SIDE, ALIGN WITH INTERIOR FINISH

ROOF ACCESS LADDER

CEILING LEGEND

 \boxtimes

EXISTING ACOUSTIC PANEL TO REMAIN

GYPSUM BOARD

CONCRETE DECK

2' X 2' ACOUSTICAL LAY IN CEILING

DIFFUSERS (CEILING MOUNTED)

DIFFUSERS (DUCT MOUNTED)

EMERGENCY LIGHT, BATTERY POWERED

CEILING MOUNTED ILLUMINATED EXIT SIGN

WALL MOUNTED ILLUMINATED EXIT SIGN

INDUSTRIAL LOW BAY SUSPENDED LIGHT FIXTURE

2' X 4' RECESSED LIGHT FIXTURE

LOW PROFILE T5 STRIP LIGHT

EXISTING ACOUSTIC PANEL

EMERGENCY LIGHT/EXIT SIGN COMBINATION, BATTERY POWERED

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CLIENT / PROJECT NAME:

CITY OF KEY WEST

RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

BID SET

Original drawing is 24"x36". Scale accordingly if reduced.

SHEET TITLE:

REFLECTED CEILING PLAN

REVISIONS:

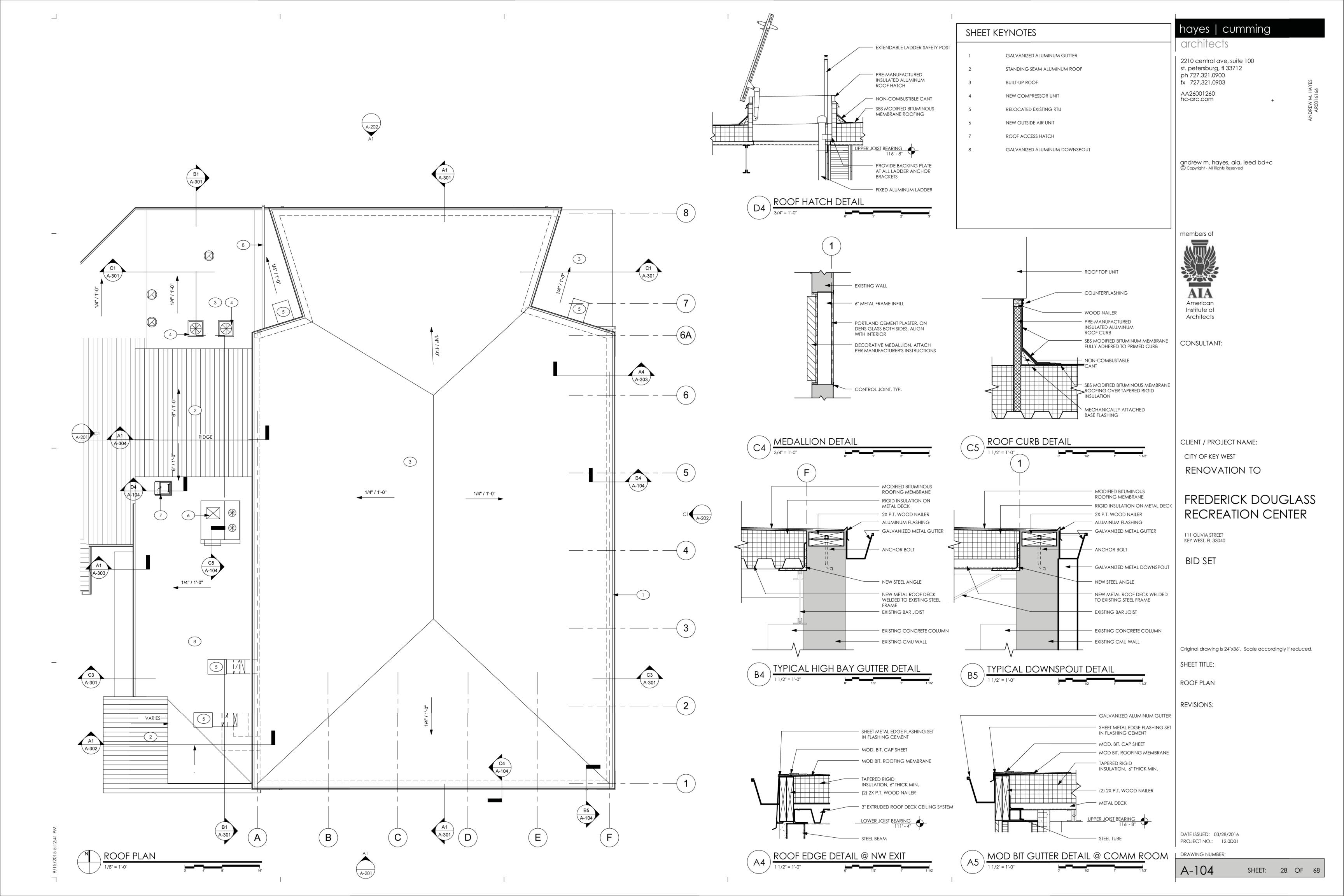
EXTRUDED ROOF DECK CEILING SYSTEM

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

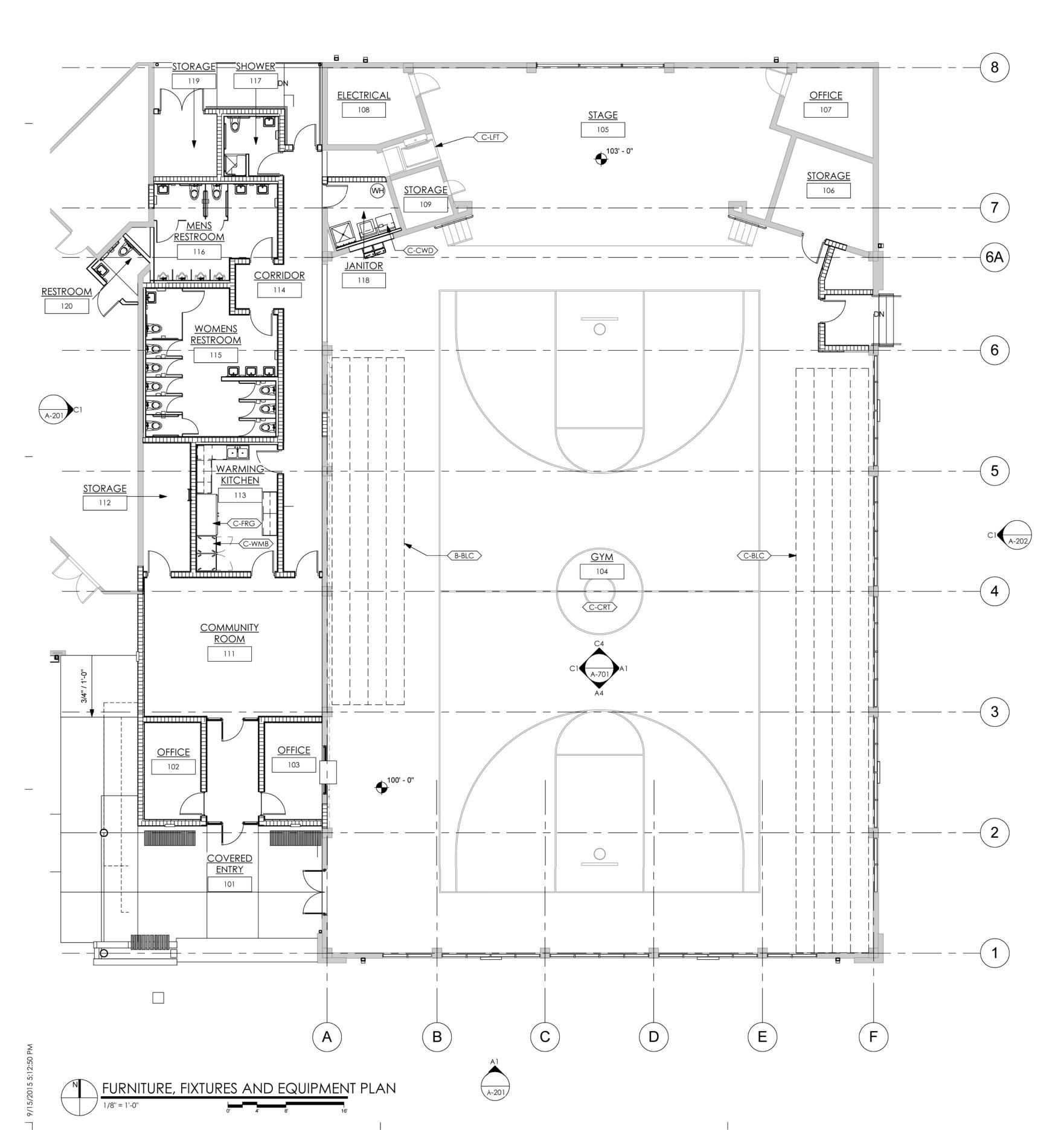
DRAWING NUMBER:

A-103

SHEET: 27 OF 68







	DESCRIPTION MODEL MANUFACTUR	ER DEPTH	WIDTH	NOTES			
TO !!	ET A COESSO DIES						
IOIL	LET ACCESSORIES						
MARK	DESCRIPTION			CATALOG #			
TA-1	36" STAINLESS STEEL GRAB BAR WITH SNAP FLANGE		BOBRICK B-6806 x 36				
TA-2	42" STAINLESS STEEL GRAB BAR WITH SNAP FLANGE		BOBRICK B-6806 x 42				
TA-3	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER		BOBRICK B-2888				
	SURFACE MOUNTED SOAP DISPENSER		BOBRICK B-2111				
TA-4	MIRROR WITH STAINLESS STEEL CHANNEL FRAME - HANDICAP ACCESSIBLE		BOBRICK B-165 2448				
TA-4 TA-5	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL		BOBRICK B-270				
			BOBRICK B-43699				
TA-5	SURFACE MOUNTED PAPER TOWEL DISPENSER/ WASTE RECEPTACLE		BOBRICK B-6137				
TA-5 TA-6	SURFACE MOUNTED PAPER TOWEL DISPENSER/ WASTE RECEPTACLE 36" x 18" STAINLESS STEEL ADA SHOWER GRAB BAR						
TA-5 TA-6 TA-7			BOBRICK B-6717				
TA-5 TA-6 TA-7 TA-8	36" x 18" STAINLESS STEEL ADA SHOWER GRAB BAR		BOBRICK B-6717 BOBRICK B223 x 24				

ARK	DESCRIPTION	MODEL	MANUFACTU	JRER DEPTH	WIDTH	NOTES	
BLC	RELOCATED BLEACHERS	EXISTING TO REMAIN	EXISTING	10' - 0"	48' - 0''		

EQU	IPMENT SCHEDULE	C'-FURNISHE	d by owne	ER & INST	TALLED E	BY OWNER (OTHERS) (X-XXX)
MARK	DESCRIPTION	MODEL	MANUFACTURER	DEPTH	WIDTH	NOTES
		<u> </u>				
C-BLC	BLEACHERS	EXISTING TO REMAIN	EXISTING	10' - 0"	80' - 9"	COVER AND PROTECT DURING CONSTRUCTION
C-CRT	COURT SURFACE	EXISTING TO REMAIN	EXISTING	83' - 4"	44' - 4''	COVER AND PROTECT DURING CONSTRUCTION
C-CWD	COMMERCIAL WASHER/DRYER	TBD	TBD	2' - 6"	2' - 3"	
C-FRG	COMMERCIAL REFRIGERATOR/FREEZER	TBD	TBD	3' - 0"	6' - 0''	
C-LFT	ADA LIFT	EXISTING TO REMAIN	EXISTING	7' - 0''	3' - 4"	
C-WMB	FOOD WARMING BOX	TRD	TRD	2' - 10"	2' - 4"	

OWNER TO PROVIDE LIST OF ALL FURNITURE & EQUIPMENT TO BE RELOCATED INTO THIS SPACE

GENERAL NOTES:

1. FF&E IS PROVIDED FOR COORDINATION ONLY

2. INTERIOR WALL PARTITIONS, SYSTEMS FURNITURE & SEATING SHOWN IN EQUIPMENT SCHEDULE 'C' IS NOT IN CONTRACT & PROVIDED BY OTHERS 3. DIMENSIONS PROVIDED ON THIS SHEET MUST BE FIELD VERIFIED PRIOR TO FABRICATION OR ORDERING OF EQUIPMENT

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CONSULTANT:

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CITY OF KEY WEST

ALTERATIONS TO

FREDERICK DOUGLASS RECREATION CENTER

111 OLIVIA STREET KEY WEST, FL 33040

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SHEET TITLE:

FURNITURE, FIXTURES & EQUIPMENT PLAN

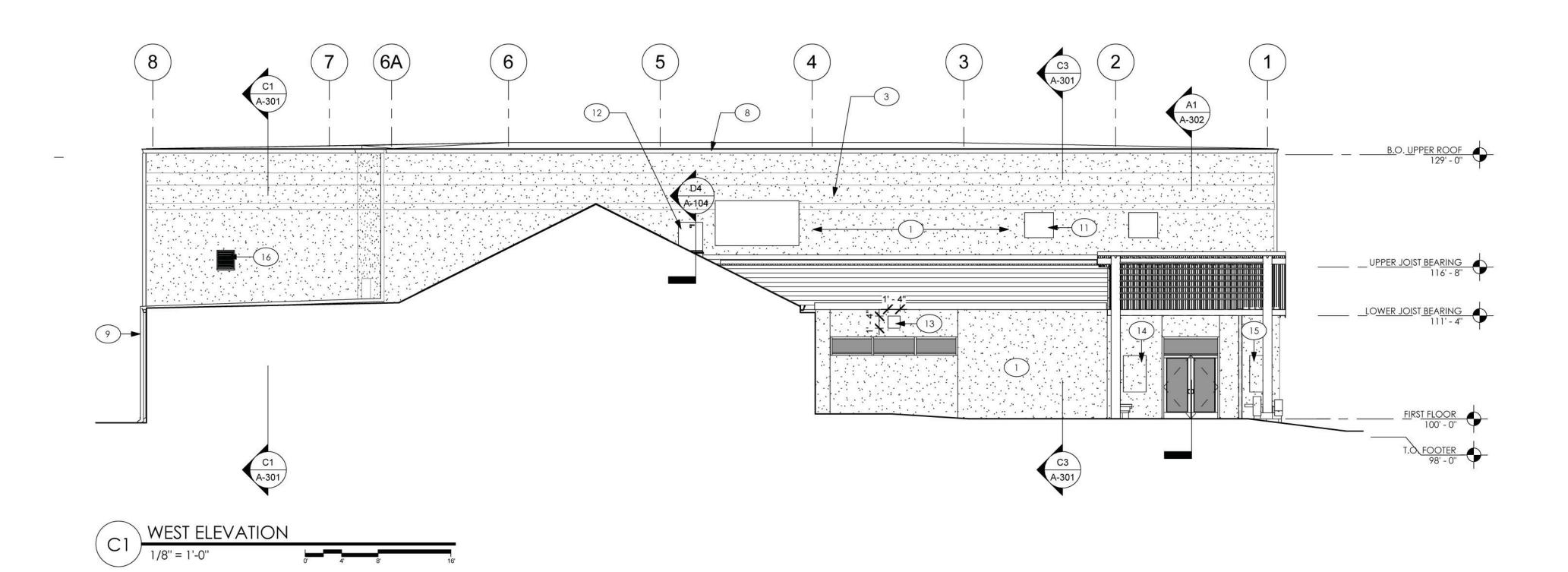
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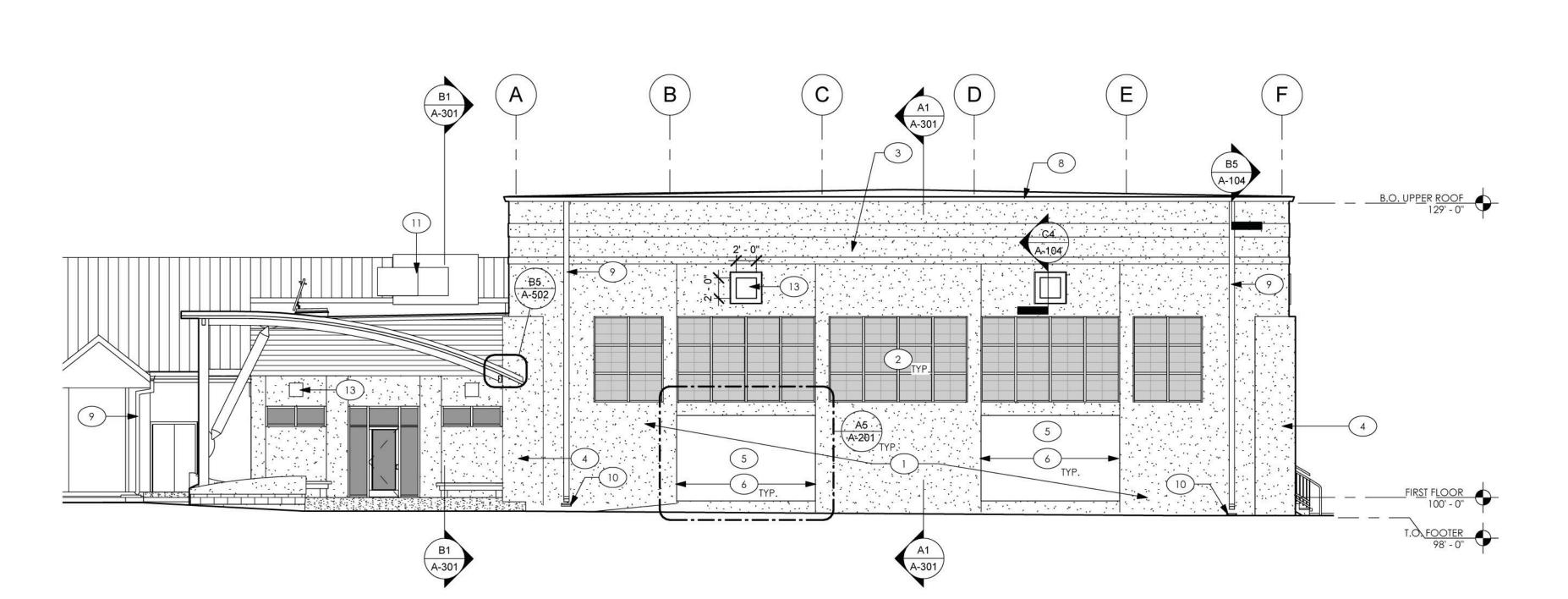
DATE ISSUED: 7/31/2015 PROJECT NO.: 12.0D01

DRAWING NUMBER:

A-105

SHEET: 29 OF 68





SHEET KEYNOTES PAINT OVER EXISTING STUCCO PLASTER TRANSLUCENT GLAZING SYSTEM DECORATIVE COLOR BAND SEE B4/A-202 RAISED PLASTER MURAL PANEL, SEE A4/A-201 **NEW CONTROL JOINT** ONE COAT CEMENT PLASTER OVER CMU-SMOOTH FINISH GALVANIZED ALUMINUM GUTTER GALVANIZED ALUMINUM DOWNSPOUT CONCRETE SPLASH BLOCK RELOCATED EXISTING RTU 12 ROOF ACCESS HATCH DECORATIVE MEDALLION, SEE DETAIL A5/A-202 INSTALL EXISTING HISTORICAL PLAQUE INSTALL NEW PLAQUE, SEE DETAIL A4/A-202

EXTERIOR FINISH MATERIALS LEGEND

MECHANICAL LOUVER

PAINTED COMPONENTS ARE TO BE DETERMINED WITH 4'-0" X 4'-0" TEST SWATCHES IN THE FIELD FROM THE FOLLOWING OPTIONS: STUCCO PLASTER:

MATCH WINDOW WIDTH

BUILDING FIELD COLOR OPTIONS: SW6154 NACRE SW6168 MODERNE WHITE

RAISED PILASTER:

SW7052 GRAY AREA

RAISED CORNICE BAND

TOP AND BOTTOM BAND: SW7562 ROMAN COLUMN

ACCENT STRIP OPTIONS: SW6176 LIVABLE GREEN SW6177 SOFTENED GREEN SW6192 COSTAL PLAIN

SW6161 NONCHALANT WHITE

SW6179 ARTICHOKE

CENTRIA 9962 XL SILVER GRAY METAL SIDING:

SW7052 GRAY AREA hollow metal doors:

> RENOVATION TO FREDERICK DOUGLASS

RECREATION CENTER

CLIENT / PROJECT NAME:

CITY OF KEY WEST

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SHEET TITLE:

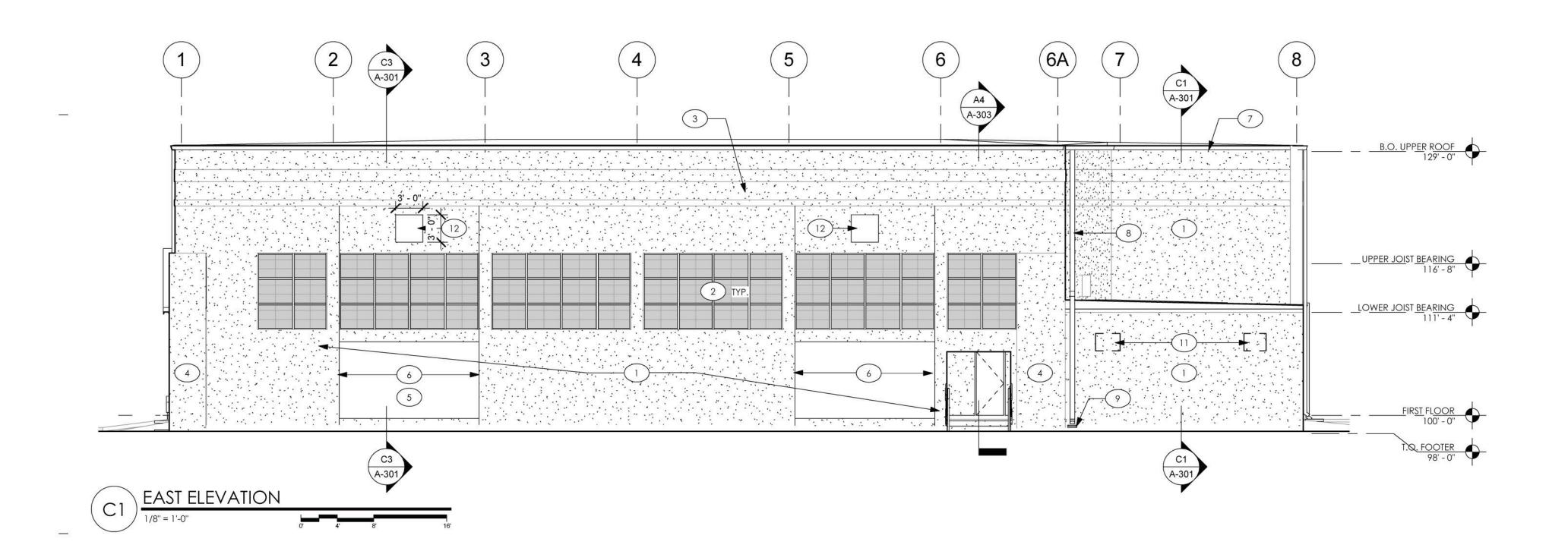
EXTERIOR ELEVATIONS

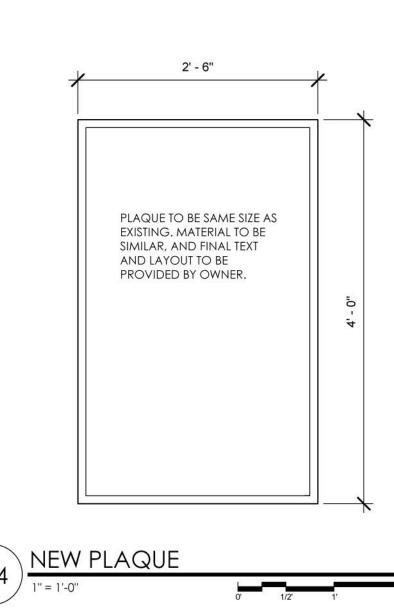
REVISIONS:

DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01 DRAWING NUMBER:

A-201

SHEET: 30 OF 68





SHEET KEYNOTES

- PAINT OVER EXISTING STUCCO PLASTER
- TRANSLUCENT GLAZING SYSTEM
- RAISED CORNICE BAND
- RAISED PLASTER
- MURAL PANEL, SEE A4/A-201
- **NEW CONTROL JOINT**
- GALVANIZED ALUMINUM GUTTER
- GALVANIZED ALUMINUM DOWNSPOUT
- CONCRETE SPLASH BLOCK
- RELOCATED EXISTING RTU
- REMOVE EXISTING A/C UNIT
- DECORATIVE MEDALLION, SEE DETAIL A5/A-202

EXTERIOR FINISH MATERIALS LEGEND

1. PAINTED COMPONENTS ARE TO BE DETERMINED WITH 4'-0" X 4'-0" TEST SWATCHES IN THE FIELD FROM THE FOLLOWING OPTIONS:

STUCCO PLASTER:

VARIES

BUILDING FIELD COLOR OPTIONS: SW6154 NACRE SW6168 MODERNE WHITE

SW6161 NONCHALANT WHITE RAISED PILASTER: SW7052 GRAY AREA

RAISED CORNICE BAND

TOP AND BOTTOM BAND: SW7562 ROMAN COLUMN

ACCENT STRIP OPTIONS: SW6176 LIVABLE GREEN SW6177 SOFTENED GREEN SW6192 COSTAL PLAIN SW6179 ARTICHOKE

MEDALLION TO BE HELICONIA IN PURE PEARL IN THE 16", 24", AND 36" SIZES BY PINEAPPLE GROVE. SEE EXTERIOR ELEVATION SHEETS A-201 AND A-202 FOR LOCATIONS.

METAL SIDING: CENTRIA 9962 XL SILVER GRAY

HOLLOW METAL DOORS: SW7052 GRAY AREA

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CONSULTANT:

CLIENT / PROJECT NAME: CITY OF KEY WEST RENOVATION TO

FREDERICK DOUGLASS RECREATION CENTER

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SHEET TITLE:

EXTERIOR ELEVATIONS

REVISIONS:

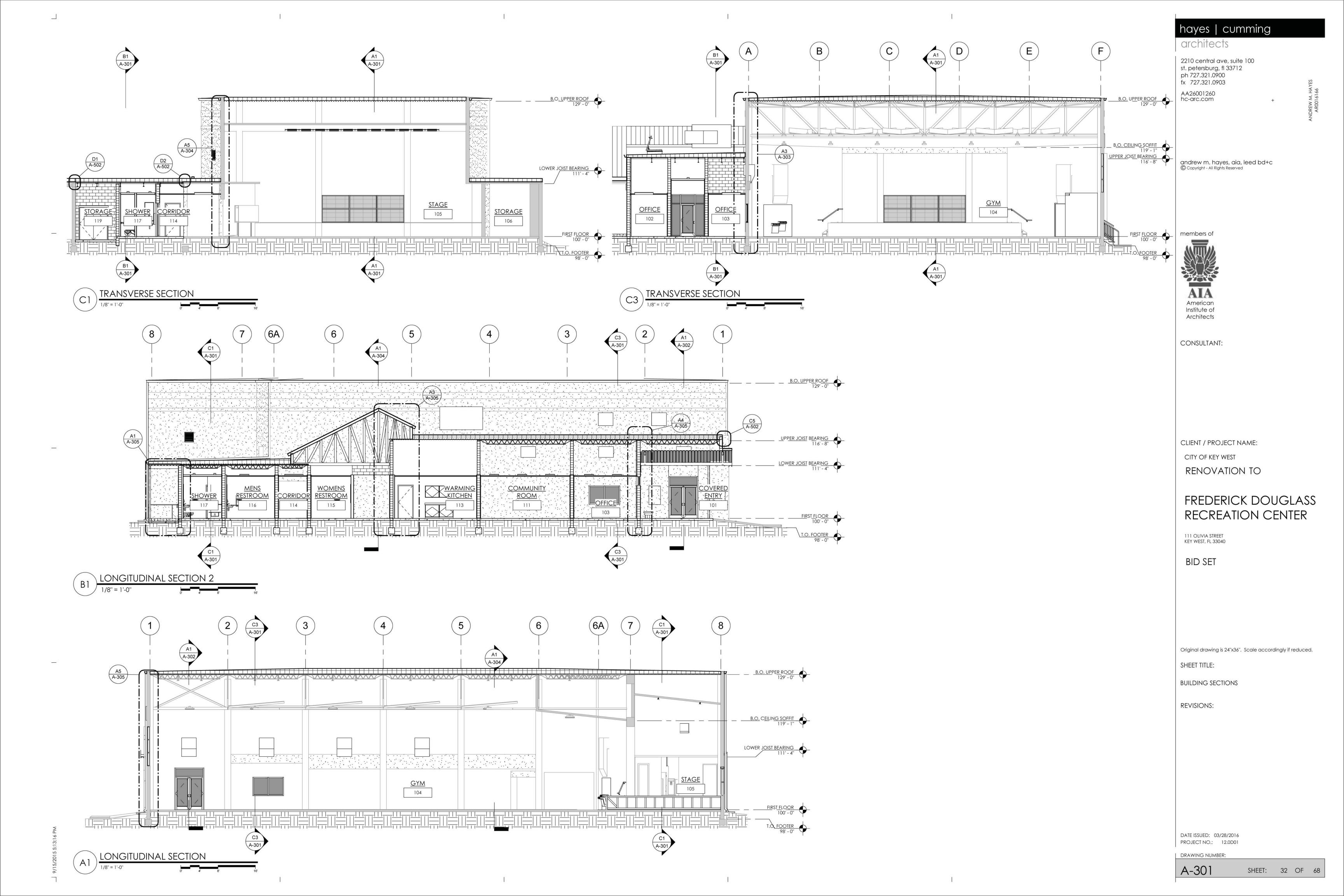
DATE ISSUED: 03/28/2016 PROJECT NO.: 12.0D01

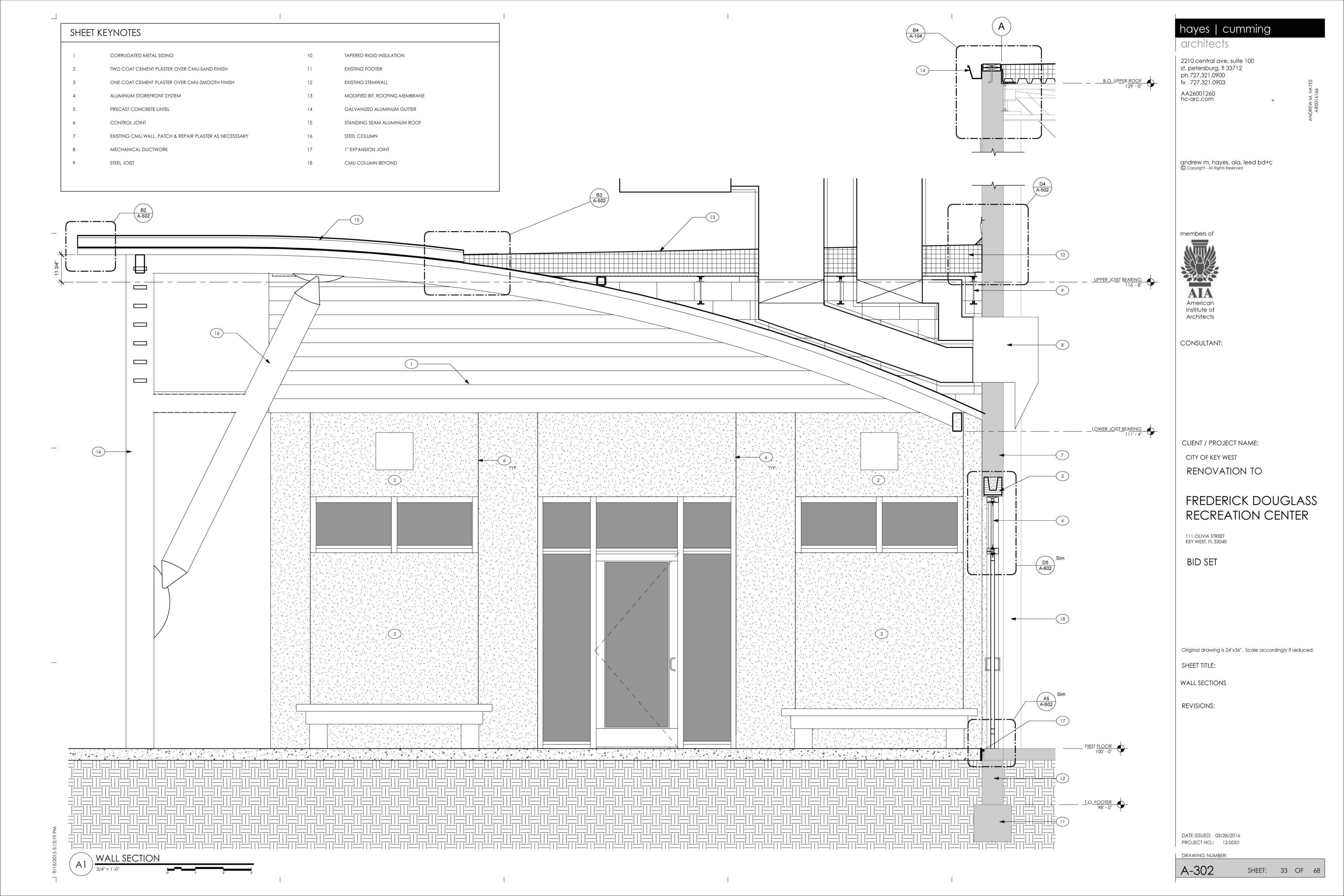
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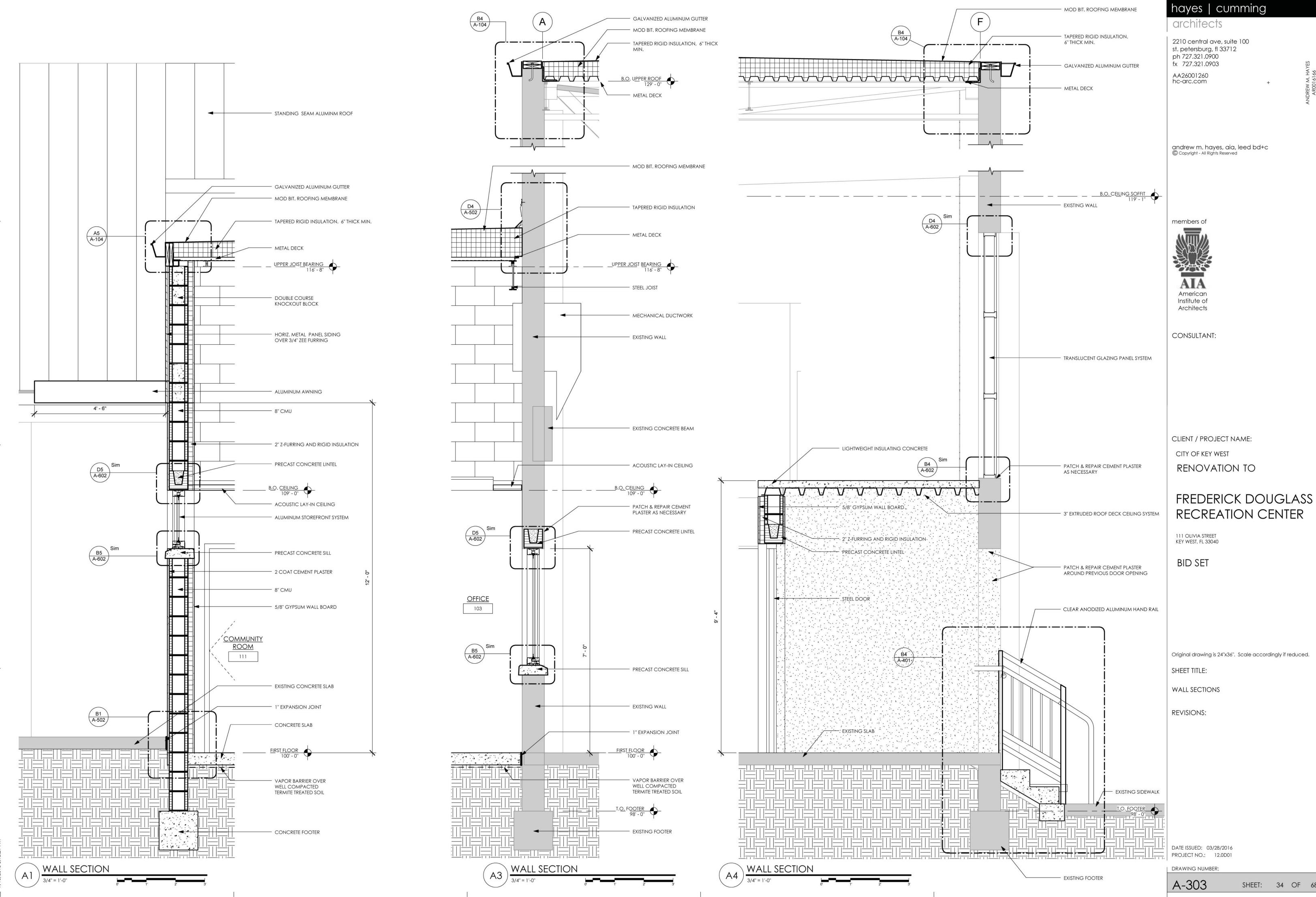
A-202 SHEET: 31 OF 68

NORTH ELEVATION

(B)







SHEET: 34 OF 68