ORANGE COUNTY CORRECTIONS
HORIZON BUILDING SECURITY SCREEN REPLACEMENT

ISSUED FOR PERMIT AND CONSTRUCTION

September 29, 2015

Orange County Government

Capital Projects Division

400 East South Street
Orlando, FL 32801

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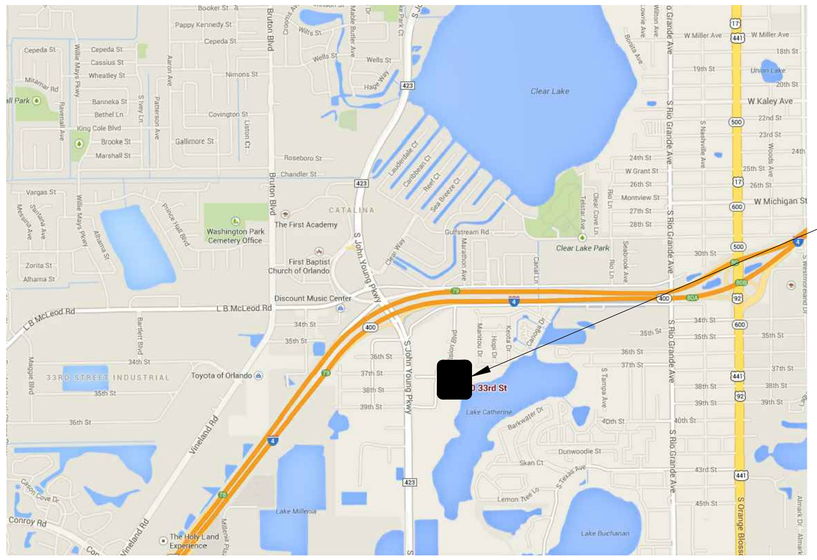

PROJECT LOCATION
ORANGE COUNTY CORRECTIONS
HORIZON BUILDING
3723 VISION BLVD,
Orlando, FL 32839

PROJECT SUMMARY

REPLACEMENT OF THE EXTERIOR SOUTH EAST AND NORTH WEST HORIZON BUILDING SECURITY SCREENS. MODIFICATION OF EXISTING ROOF DESIGN OVER RECREATION YARDS

LOCATION MAP

rhodes + brito
ARCHITECTS

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PROJECT DESIGN TEAM

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Architect of Record	Engineer of Record									
Joseph Baker, AIA AR 0013188	Jamshid Hakimian, PE PE 46613									

PROFESSIONAL SEALS

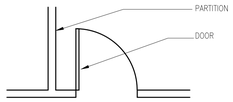
DIMENSIONING

1. WHEN A ROOM/BUILDING/OBJECT CENTERLINE IS INDICATED, ONLY ONE SIDE OF ELEMENT MAY BE DIMENSIONED

2. DOOR LOCATION

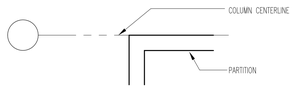
   DOORS ARE LOCATED BY ONE OF THE FOLLOWING:

   A. ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE.

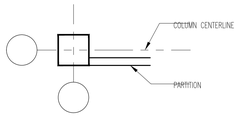


   B. AS DIMENSIONED

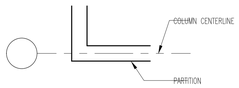
3. PARTITION FINISH FACE ON COLUMN OR GRID LINE WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY ON LARGER SCALE DRAWINGS.



4. PARTITIONS WITH FINISH FACE FLUSH WITH FINISH FACE OF COLUMN WILL NOT BE DRAWN ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY ON LARGER SCALE DRAWINGS.



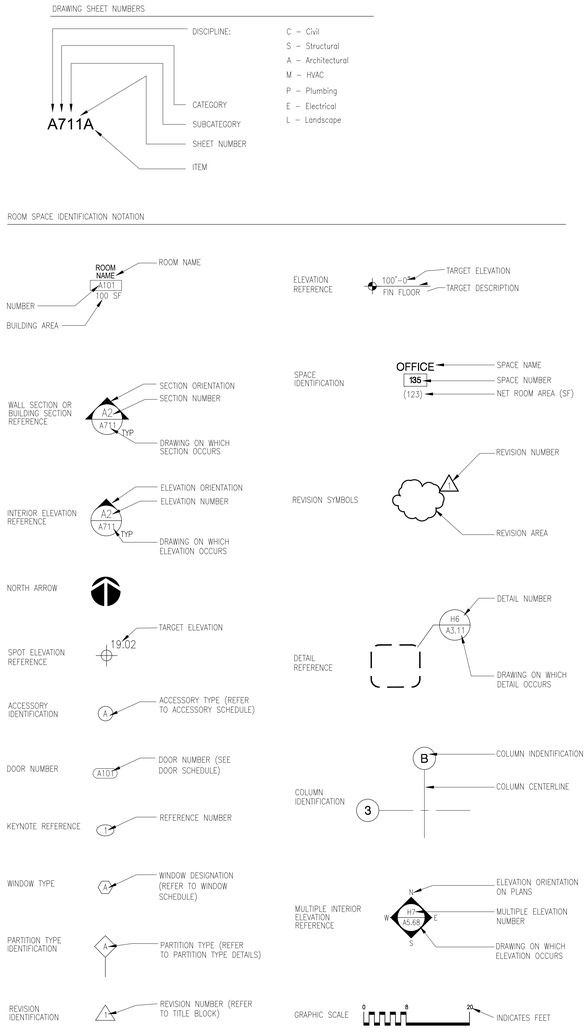
5. PARTITIONS CENTERED ON COLUMNS OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY ON LARGER SCALE DRAWINGS.



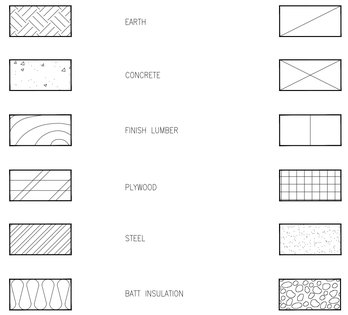
6. PARTITIONS ARE DIMENSIONED TO FACE OF STUDS, FACE OF CMU AND FACE OF BLOCK UNLESS INDICATED OTHERWISE

7. DIMENSIONS ARE INDICATED ON DRAWINGS, DO NOT SCALE DRAWINGS

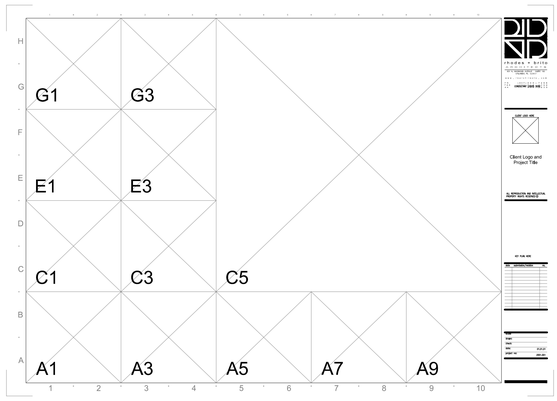
DRAWING SYMBOL LEGEND



MATERIALS LEGEND



DRAWING FORMAT



EACH SHEET IS DIVIDED INTO A GRID. AN ALPHA–NUMERIC GRID COORDINATE SYSTEM IS USED TO ORGANIZE THE DRAWING TITLES

DRAWING TITLES ARE NUMBERED ACCORDING TO ITS LOCATION ON THE GRID. THE LOWER LEFT HAND CORNER GRID OF THE DRAWING IS USED AS THE IDENTIFICATION NUMBER (SEE DIAGRAM).

DRAWING INDEX

ARCHITECTURAL

CS001	COVER SHEET
G001	DRAWING GUIDE/ ABBREVIATIONS/ LEGENDS/ CODE INFO
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D202	DEMOLITION PLANS
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A201	FLOOR PLANS
A202	FLOOR PLANS
A203	ROOF PLAN
A301	ELEVATIONS
A302	ELEVATIONS
A501	ENLARGED PLANS
A502	ROOF DETAILS
A601	ENLARGED PLANS

STRUCTURAL

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S201	STRUCTURAL FLOOR PLANS
S202	STRUCTURAL FLOOR PLANS
S301	STRUCTURAL EXTERIOR ELEVATIONS
S401	PANEL TYPES
S402	SECTIONS AND DETAILS
S501	EXISTING CONCRETE RESTORATION
S502	EXISTING CONCRETE RESTORATION

LIST OF ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ACOUSTICAL
ACC	ACCESS
ACPL	ACOUSTICAL PLASTER
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
ADD	ADDENDUM
ADD'D	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANC	ANCHOR(AGE)
ANOD	ANODIZED
AP	ACCESS PANEL
APROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASB	ASBESTOS
ASPH	ASPHALT
AUTO	AUTOMATIC
A/V	AUDIO VISUAL
BD	BOARD
BEL	BELOW
BET	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLK(G)	BLOCK(ING)
BM	BENCH MARK
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BRG PL	BEARING PLATE
BRK	BRICK
BS	BOTH SIDES
BSL	BUILDING SETBACK LINE
BSMT	BASEMENT
BUR	BUILT UP ROOFING
BVL	BEVELED
BW	BOTH WAYS
CAB	CABINET
CAT	CATEGORY
CB	CAST BASIN
C/C	CENTER TO CENTER
CFT	CUBIC FOOT
CG	CORNER GUARD
CHAM	CHAMFER
CHT	CEILING HEIGHT
CI	CAST IRON
CIP	CAST–IN–PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CK	CAULK
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR(ANCE)
CLS	CLOSURE
CMU	CONC MASONRY UNIT
CNTR	CENTER
CNTRSNK	COUNTERSINK
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
COMPT	COMPARTMENT
CORR	CORRUGATED
CP	CENTER POINT
CR	CHROMIUM (PLATED)
CRS	COURSE(S)
CSMT	CASEMENT
CT	CERAMIC TILE
CYD	CUBIC YARD
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV DR	DIVISION DOOR
DL	DEAD LOAD
DN	DOWN
DP	DAMP PROOFING
DR	DOOR
DRB	DRAIN BOARD
DS	DOWN SPOUT
DTL	DETAIL
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EB	EXPANSION BOLT
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE(URE)
ENGR	ENGINEER
EP	ELECTRICAL POWERBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCALATOR
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPANDED(EXPANSION)
EXT	EXTERIOR
FA	FIRE ALARM
FAS	FASTEN, FASTENER
FB	FACE BRICK
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FFE	FINISHED FLOOR ELEVATION
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIN	FINISH(ED)
FJT	FLUSH JOINT
FLEX	FLEXIBLE
FLG	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIREPROOF
FPL	FLOOR PLATE
FR	FRAME(D)(ING)
FRC	FIRE–RESISTANT COATING
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE–RETARDANT
FS	FULL SIZE
FT	FOOT
FTG	FOOTING
FUT	FUTURE
FUR	FURRING
FURN	FURNITURE/FURNISHINGS
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GRADE
GEN'L	GENERAL
GI	GALVANIZED IRON
GKT	GASKET(ED)
GL	GLASS
GLAM	GLUE LAMINATED
GP	GALVANIZED PIPE
GSS	GALVANIZED STEEL SHEET
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GYPBD	GYPSUM BOARD
HB	HOSE BIBB
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDR	HEADER
HJT	HEAD JOINT
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HRDW	HARDWARE
HT	HEIGHT
HD, HT	HEAD HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HWD	HARDWOOD
HWH	HOT WATER HEATER
IBC	INSULATED BY CONTRACTOR
ID	INSIDE DIAMETER
INCL	INCLUDE(D)(ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
JB	JUNCTION BOX
JC	JANITOR CLOSET
JF	JOINT FILLER
JST	JOIST
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LB	LAG BOLT
LBL	LABEL
LF	LINEAR FOOT
LH	LEFT HAND
LL	LIVE LOAD
LS	LUMP SUM
LT	LIGHT
LVL	LAMINATED VENEER LUMBER
LVR	LOUVER
M	METER
MAS	MASONRY
MAT'L	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MT	METAL THRESHOLD
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFC	OFFICE
OH	OVERHEAD
OH/OPH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OS	OUTSIDE
OV	OVERALL
PC	PRE CAST
PCC	PRE CAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERIM	PERIMETER
PFN	PRE FINISHED
PG	PLATE GLASS
PH	PHASE
PJ	PANEL JOINT
PL	PROPERTY LINE/PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLF	POUNDS PER LINEAL FOOT
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PNTD	PAINTED
POL	POLISHED
PR	PAIR/PROPOSAL REQUEST
PREFAB	PREFABRICATE(D)
PRELIM	PRELIMINARY
PRF	PERFORMED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT/PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
QTR	QUARTER
R	RISER
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE(D),(ING)
REM	REMOVE
REQ'D	REQUIRED
RES	RESILIENT
RET	RETURN
REV	REVISION(S),(D)
RFG	ROOFING
RFH	ROOF HATCH
RFI	REQUEST FOR INFO
RFL	REFLECT(ED),(ING)
RH	RIGHT HAND
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWC	RAIN WATER CONDUCTOR
RVS	REVERSE(SIDE)
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FOOT
SFGL	SAFETY GLASS
SG	SHEET GLASS
SH	SHELVING
SHELV	SHELVING
SHT	SHEET
SHTH	SHEATHING
SIM	SIMILAR
SJ	STEEL JOIST
SL	SLEEVE
SLR	SEALER
SOG	SLAB ON GRADE
SP	SOUND PROOF
SPCR	SPACER
SPEC	SPECIFICATION(S)
SPK	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SQ/IN	SQUARE INCH
SQ/YD	SQUARE YARD
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRUCTURAL
SUS	SUSPENDED
SYM	SYMMETRY(ICAL)
SYN	SYNTHETIC
SYS	SYSTEM
T	TREAD
TB	TOWEL BAR
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
T&G	TONGUE AND GROOVE
THK	THICK(NESS)
THRES	THRESHOLD
TLT	TOILET
TO	TOP OF
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TR	TRANSOM
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UL	UNDERWRITERS LABORATORY
UNF	UNFINISHED
UNO	UNLESS NOTED
UR	URINAL
VAT	VINYL ASBESTOS TILE
VAR	VARNISH
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
W	WEST
W/	WITH
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WG	WIRED GLASS
WH	WALL HUNG
WHB	WHEEL BUMPER
WI	WROUGHT IRON
WIN	WINDOW
WM	WIRED MESH
W/O	WITHOUT
WP	WATER PROOFING
WR	WATER REPELLENT
WS	WATER STOP
WSCT	WAINSCOT
WTH	WIDTH
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC

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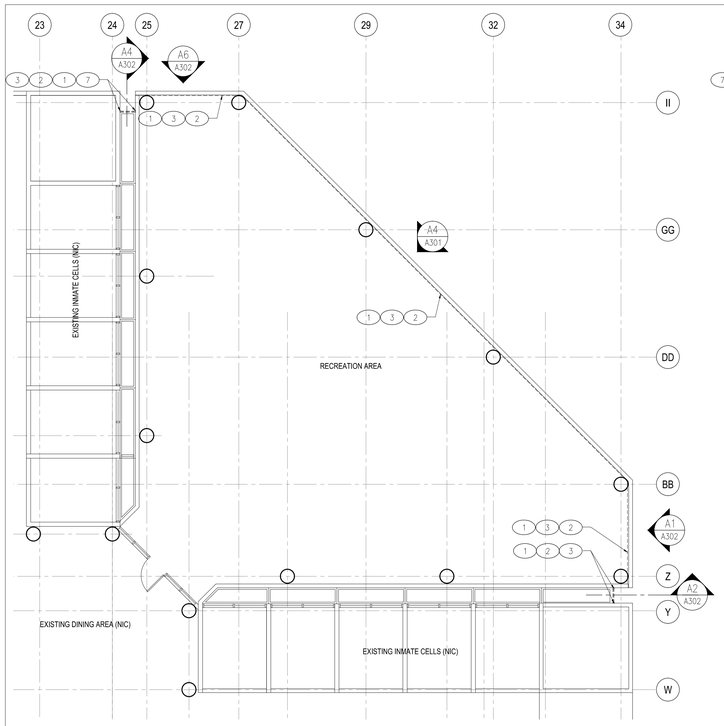
JOSEPH BAKER, AIA FL. REG. NO. AR0013188
DATE:

date	submission/revision	no.

DRAWING GUIDE/ ABBREVIATION LEGENDS/ CODE INFO

scale:	AS NOTED
drawn:	AR
check:	FR
date:	09/29/2015
project no:	12002.013

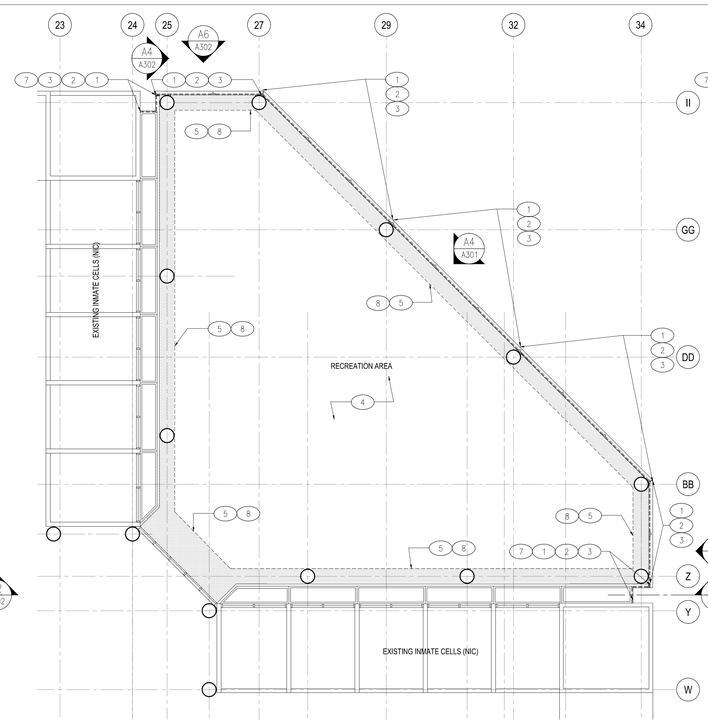
G001



FOURTH FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E1 / D201

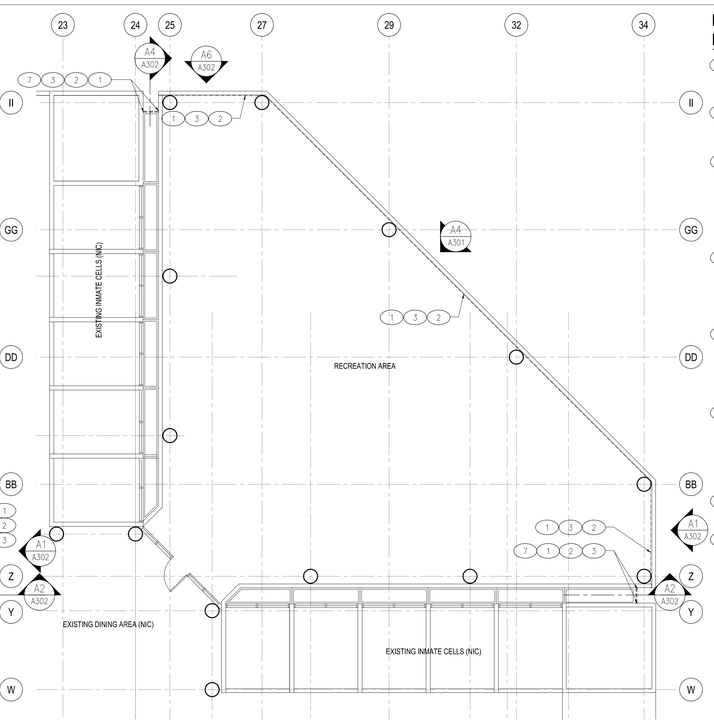
scale: 1/8" = 1'-0"



THIRD FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E4 / D201

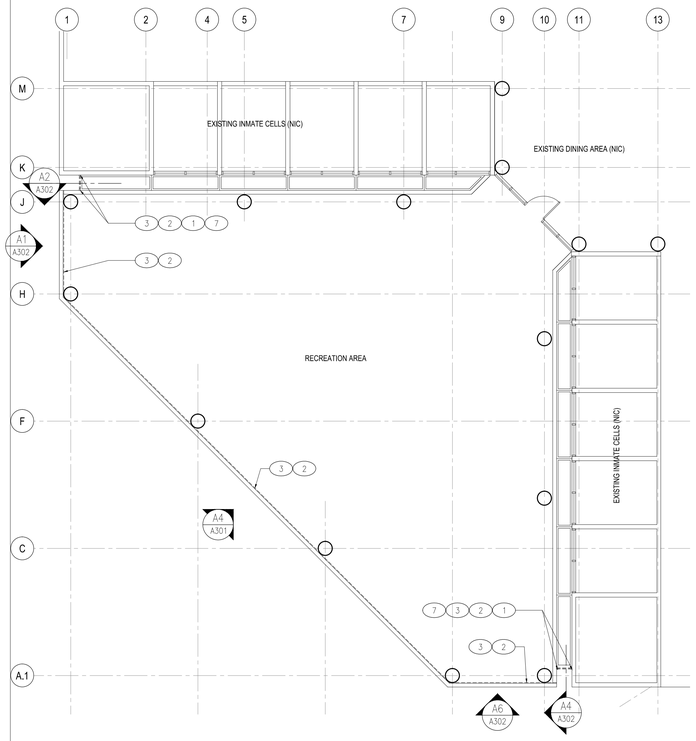
scale: 1/8" = 1'-0"



SECOND FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E8 / D201

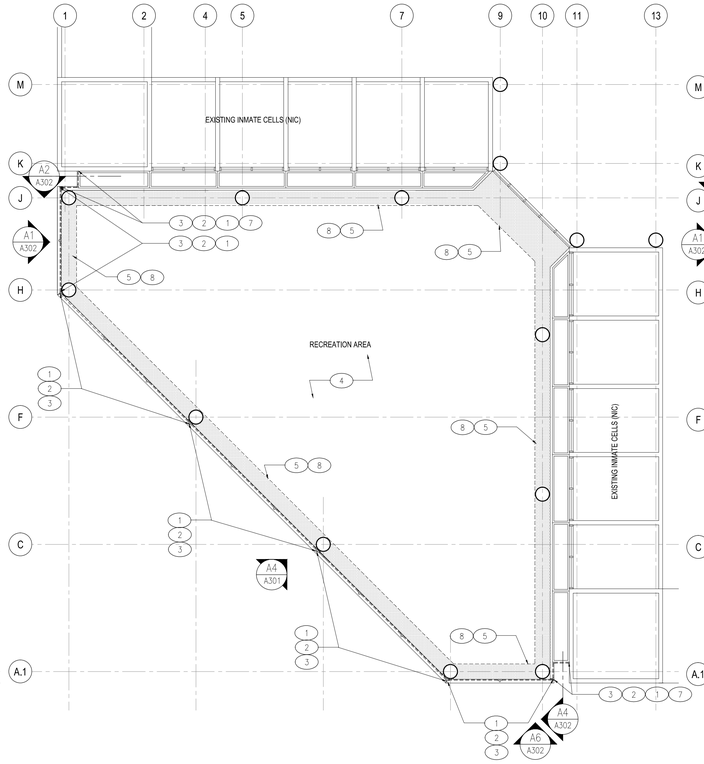
scale: 1/8" = 1'-0"



FOURTH FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A1 / D201

scale: 1/8" = 1'-0"



THIRD FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A4 / D201

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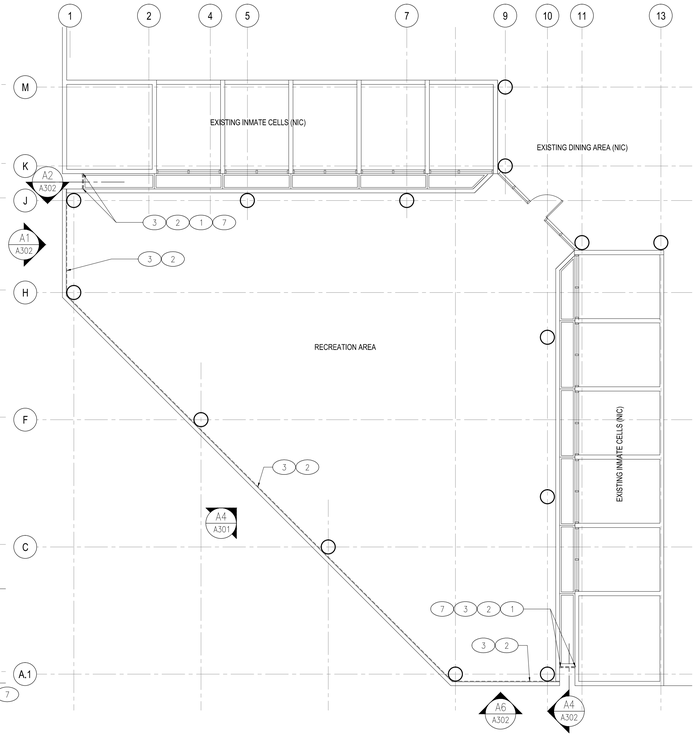

SECOND FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A8 / D201

scale: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEYNOTES

1. CONTRACTOR IS TO REMOVE ALL EXISTING SECURITY SCREENS W/ SUPPORTING FRAMEWORK
2. CONTRACTOR IS TO REMOVE ALL EXISTING CONNECTING ANGLES/PLATES AS REQUIRED
3. ALL THE EXISTING EMBED PLATES USED FOR SUPPORTING THE PERIMETER SECURTY SCREENS ARE TO HAVE EXISTING PAINT REMOVED AND BE CLEANED AND PREPARED TO RECEIVE NEW FRAMES AND SECURITY SCREEN ENCLOSURES
4. THE EXISTING EXPOSED STRUCTURE WHICH ACTS AS THE CEILING OF THE RECREATION AREA IS TO BE PRESSURE WASHED AND PREPARED TO RECEIVE A NEW PAINT FINISH
5. THE EXISTING EMBED PLATES ON THE BOTTOM OF THE EXPOSED STRUCTURAL BEAM ARE TO BE CLEANED / SANDED TO BARE METAL IN PREPARATION FOR NEW PRIMER / PAINT FINISH
6. EXISTING PRECAST PANELS TO REMAIN. PROTECT NEW PAINT FINISH FROM DAMAGE. CONTRACTOR WILL REPAIR / REPAINT ANY DAMAGE FROM DEMOLITION / NEW CONSTRUCTION PHASES OF WORK
7. DEMOLISH STEEL PLATE ATTACHED TO SECURITY SCREEN FRAME
8. OUTLINE OF PERIMETER CONCRETE BEAM ABOVE

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DEMOLITION PLANS

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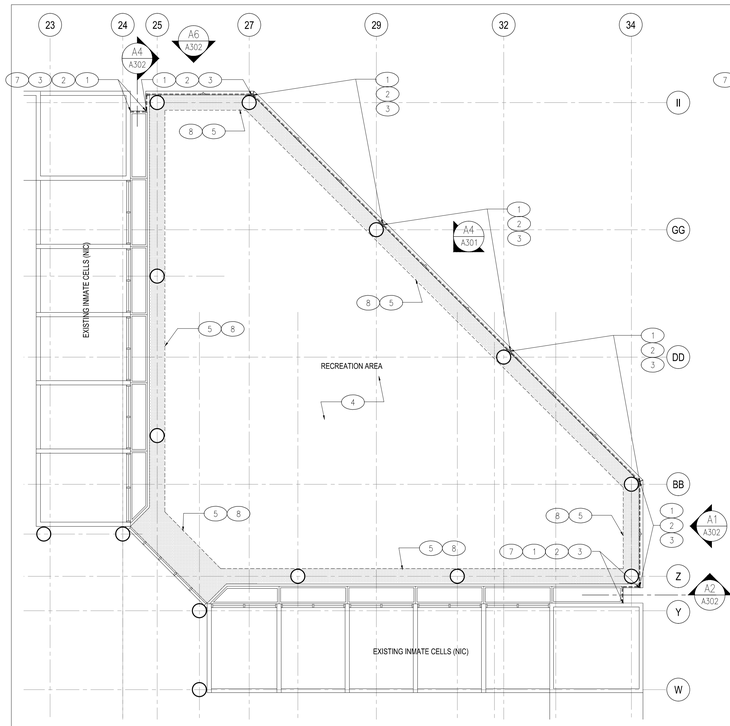
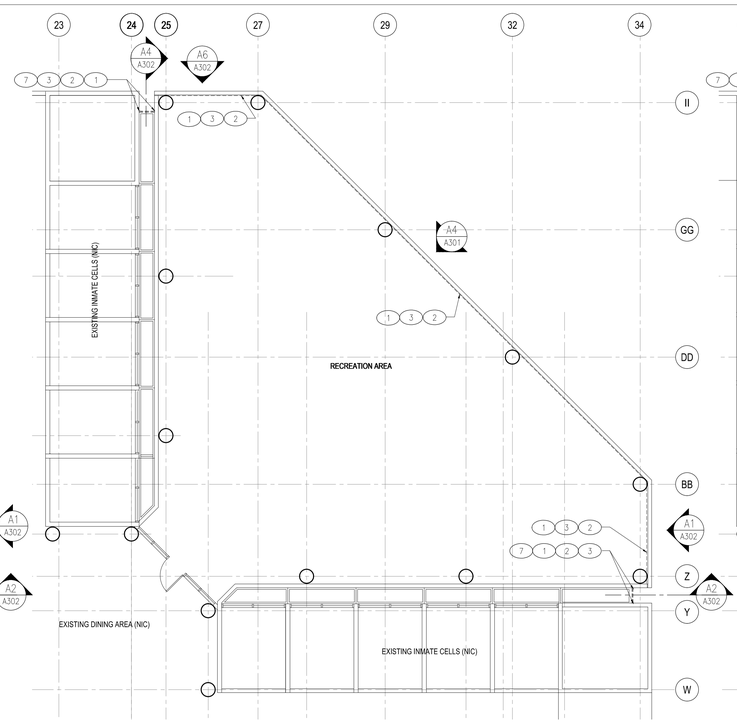
D201



SEVENTH FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E1 / D202

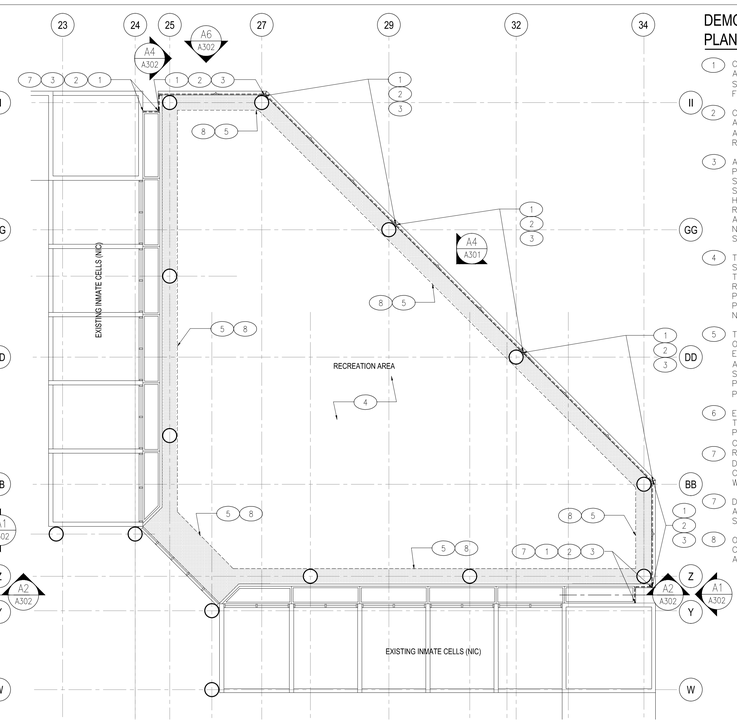
scale: 1/8" = 1'-0"



SIXTH FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E4 / D202

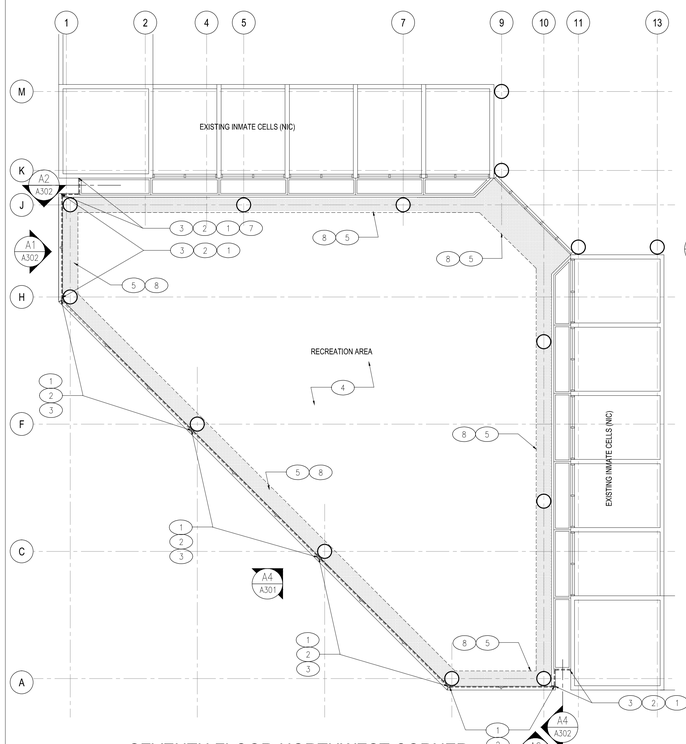
scale: 1/8" = 1'-0"



FIFTH FLOOR-SOUTHEAST CORNER DEMOLITION PLAN

E8 / D202

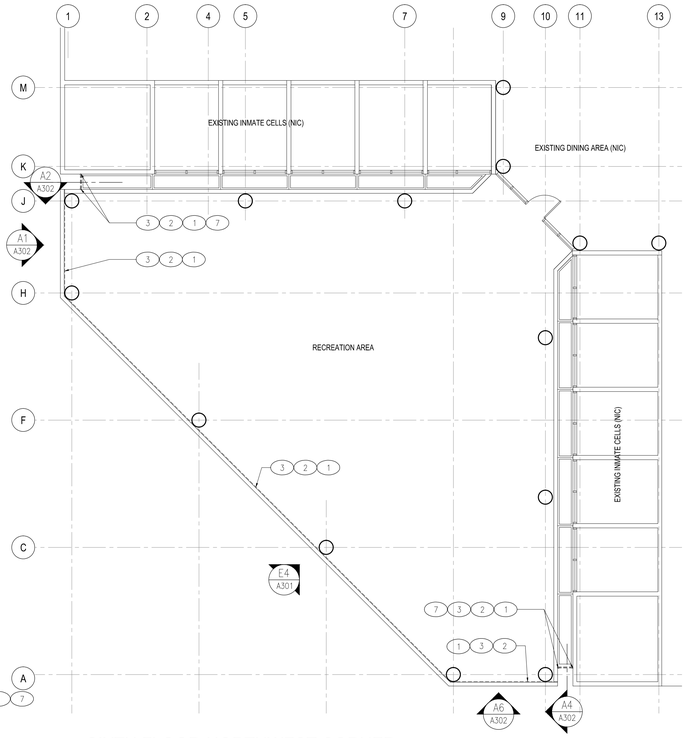
scale: 1/8" = 1'-0"



SEVENTH FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A1 / D202

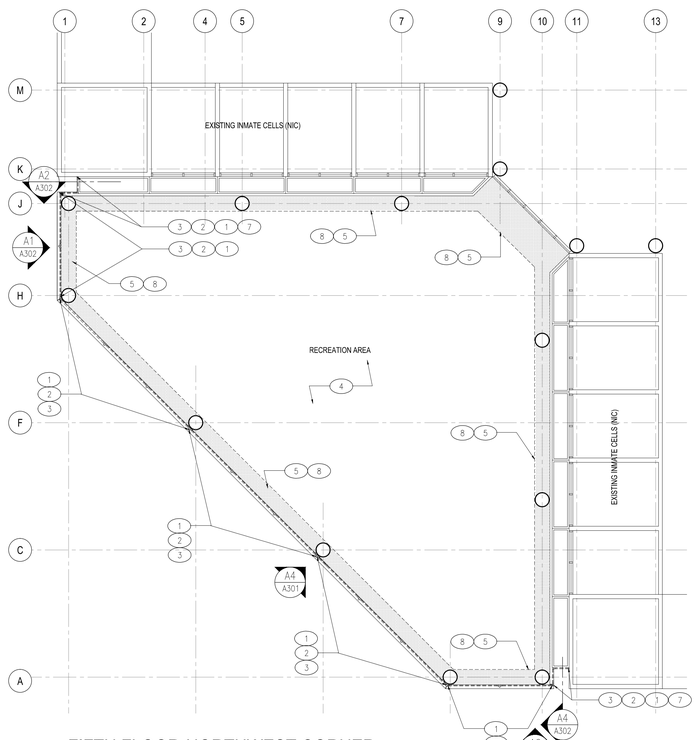
scale: 1/8" = 1'-0"



SIXTH FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A4 / D202

scale: 1/8" = 1'-0"



FIFTH FLOOR-NORTHWEST CORNER DEMOLITION PLAN

A8 / D202

scale: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEYNOTES

1. CONTRACTOR IS TO REMOVE ALL EXISTING SECURITY SCREENS W/ SUPPORTING FRAMEWORK
2. CONTRACTOR IS TO REMOVE ALL EXISTING CONNECTING ANGLES/PLATES AS REQUIRED
3. ALL THE EXISTING EMBED PLATES USED FOR SUPPORTING THE PERIMETER SECURTY SCREENS ARE TO HAVE EXISTING PAINT REMOVED AND BE CLEANED AND PREPARED TO RECEIVE NEW FRAMES AND SECURITY SCREEN ENCLOSURES
4. THE EXISTING EXPOSED STRUCTURE WHICH ACTS AS THE CEILING OF THE RECREATION AREA IS TO BE PRESSURE WASHED AND PREPARED TO RECEIVE A NEW PAINT FINISH
5. THE EXISTING EMBED PLATES ON THE BOTTOM OF THE EXPOSED STRUCTURAL BEAM ARE TO BE CLEANED / SANDED TO BARE METAL IN PREPARATION FOR NEW PRIMER / PAINT FINISH
6. EXISTING PRECAST PANELS TO REMAIN. PROTECT NEW PAINT FINISH FROM DAMAGE. CONTRACTOR WILL REPAIR / REPAINT ANY DAMAGE FROM DEMOLITION / NEW CONSTRUCTION PHASES OF WORK
7. DEMOLISH STEEL PLATE ATTACHED TO SECURITY SCREEN FRAME
8. OUTLINE OF PERIMETER CONCRETE BEAM ABOVE

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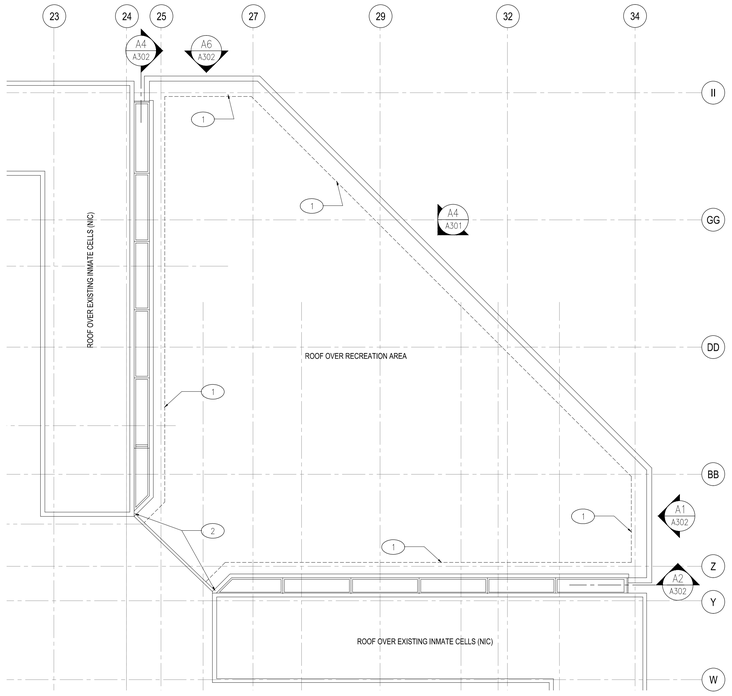
DEMOLITION PLANS

scale:	
drawn:	AR
check:	FR
date:	09/29/2015
project no:	12002.013

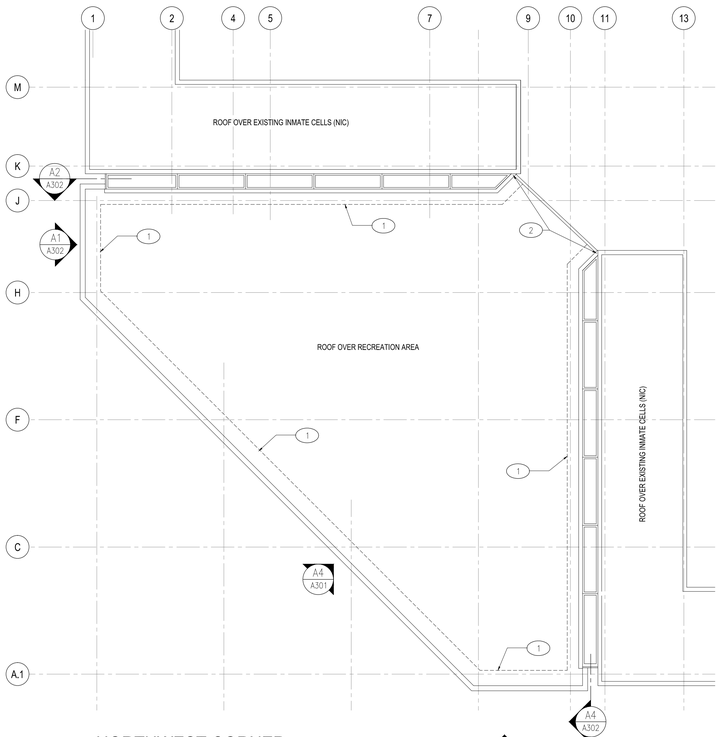
D202



SOUTHEAST CORNER ROOF PLAN

E7 / A202

scale: 1/8" = 1'-0"



NORTHWEST CORNER ROOF PLAN

A7 / A202

scale: 1/8" = 1'-0"

DEMOLITION KEYNOTES

1. REMOVE SECTION OF EXISTING ROOF COATING TO ALLOW FOR INSTALLATION OF NEW CURB AND FLASHING
2. REMOVE SECTION OF EXISTING FLASHING AND EXPANSION JOINT MATERIAL TO PREPARE FOR NEW CURB W/ EXPANSION JOINT SYSTEM TO TIE INTO THE EXISTING JOINT

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DEMOLITION ROOF PLANS

scale:	
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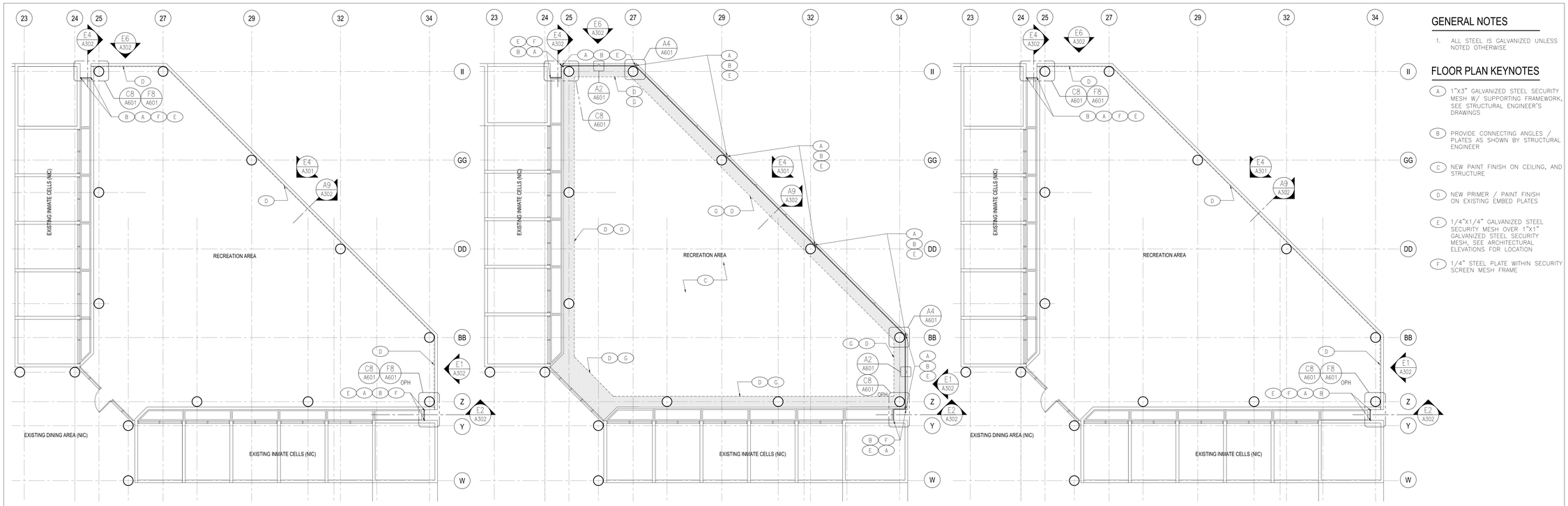
date:	09/29/2015
project no:	12002.013

D203



FOURTH FLOOR-SOUTHEAST CORNER NEW CONSTRUCTION PLAN

E1 / A201

scale: 1/8" = 1'-0"

THIRD FLOOR-SOUTHEAST CORNER NEW CONSTRUCTION PLAN

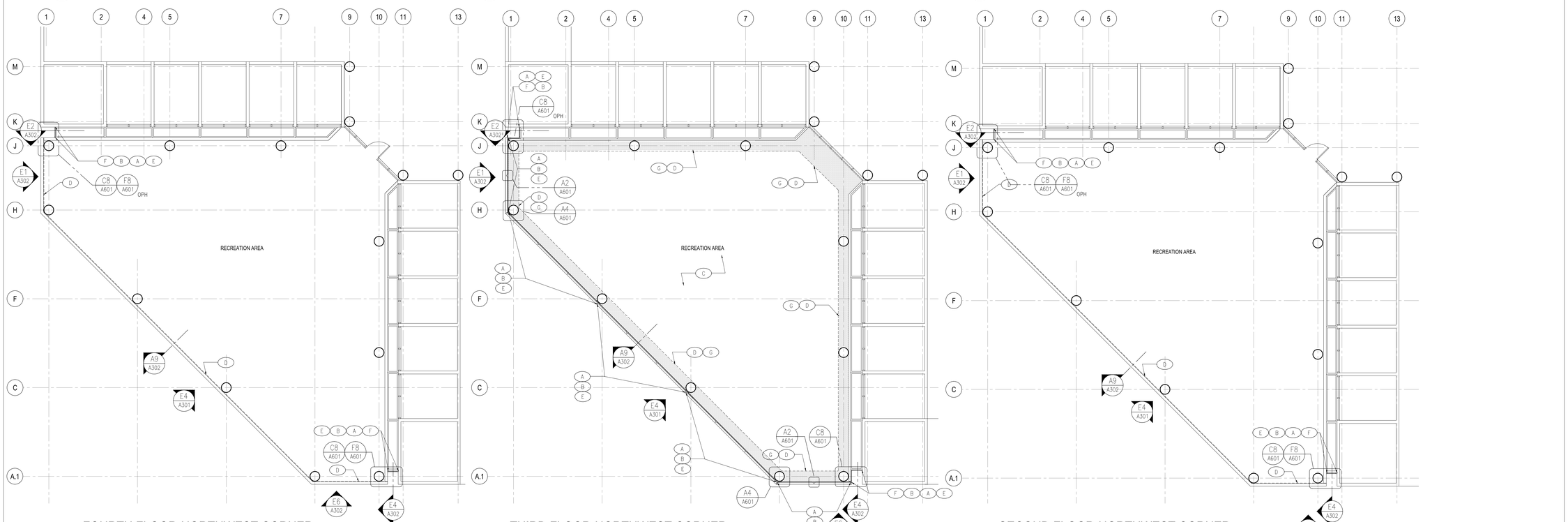
E4 / A201

scale: 1/8" = 1'-0"

SECOND FLOOR-SOUTHEAST CORNER NEW CONSTRUCTION PLAN

E8 / A201

scale: 1/8" = 1'-0"



FOURTH FLOOR-NORTHWEST CORNER NEW CONSTRUCTION PLAN

A1 / A201

scale: 1/8" = 1'-0"

THIRD FLOOR-NORTHWEST CORNER NEW CONSTRUCTION PLAN

A4 / A201

scale: 1/8" = 1'-0"

SECOND FLOOR-NORTHWEST CORNER NEW CONSTRUCTION PLAN

A8 / A201

scale: 1/8" = 1'-0"

GENERAL NOTES

1. ALL STEEL IS GALVANIZED UNLESS NOTED OTHERWISE

FLOOR PLAN KEYNOTES

- A — 1"X3" GALVANIZED STEEL SECURITY MESH W/ SUPPORTING FRAMEWORK, SEE STRUCTURAL ENGINEER'S DRAWINGS
- B — PROVIDE CONNECTING ANGLES / PLATES AS SHOWN BY STRUCTURAL ENGINEER
- C — NEW PAINT FINISH ON CEILING, AND STRUCTURE
- D — NEW PRIMER / PAINT FINISH ON EXISTING EMBED PLATES
- E — 1/4"X1/4" GALVANIZED STEEL SECURITY MESH OVER 1"X1" GALVANIZED STEEL SECURITY MESH, SEE ARCHITECTURAL ELEVATIONS FOR LOCATION
- F — 1/4" STEEL PLATE WITHIN SECURITY SCREEN MESH FRAME

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FLOOR PLANS

scale:	
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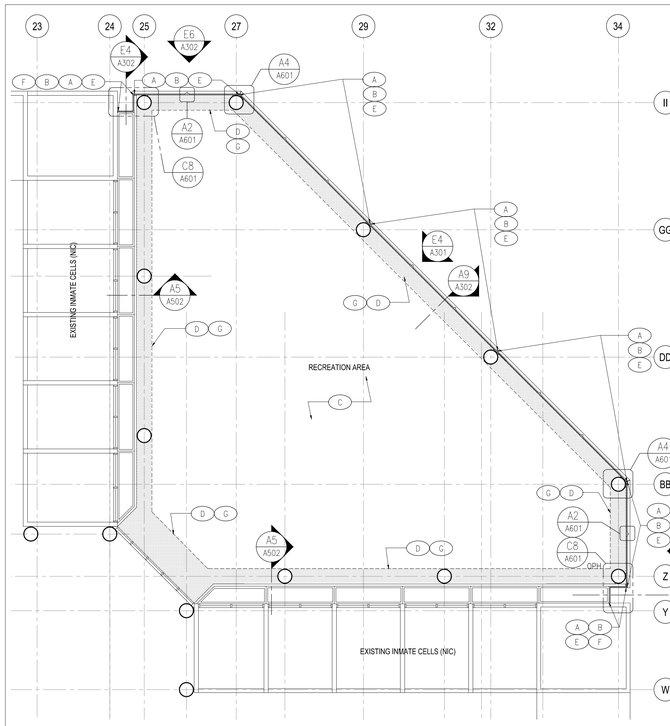
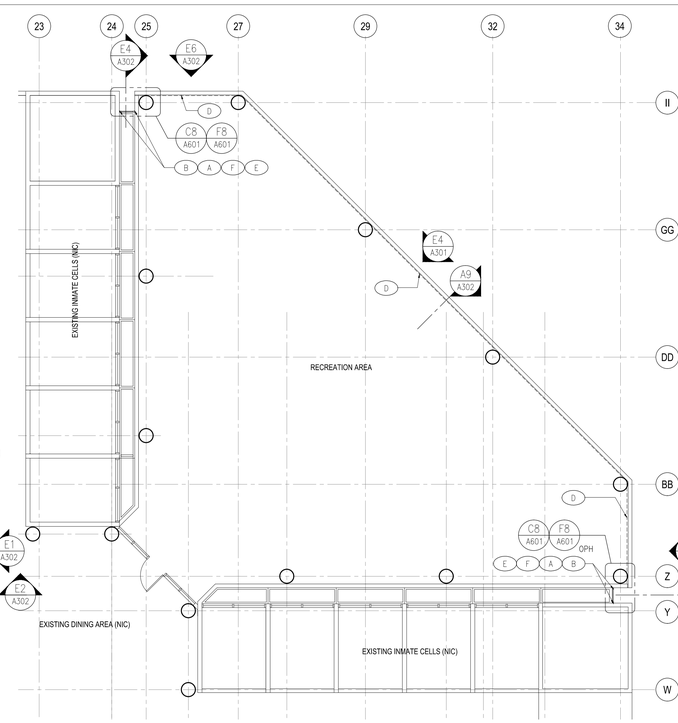
date:	09/29/2015
project no:	12002.013

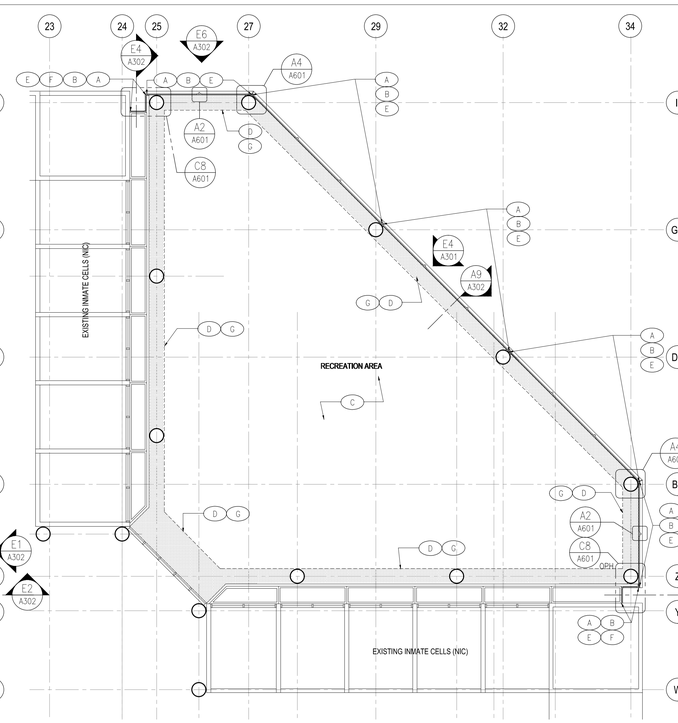
A201



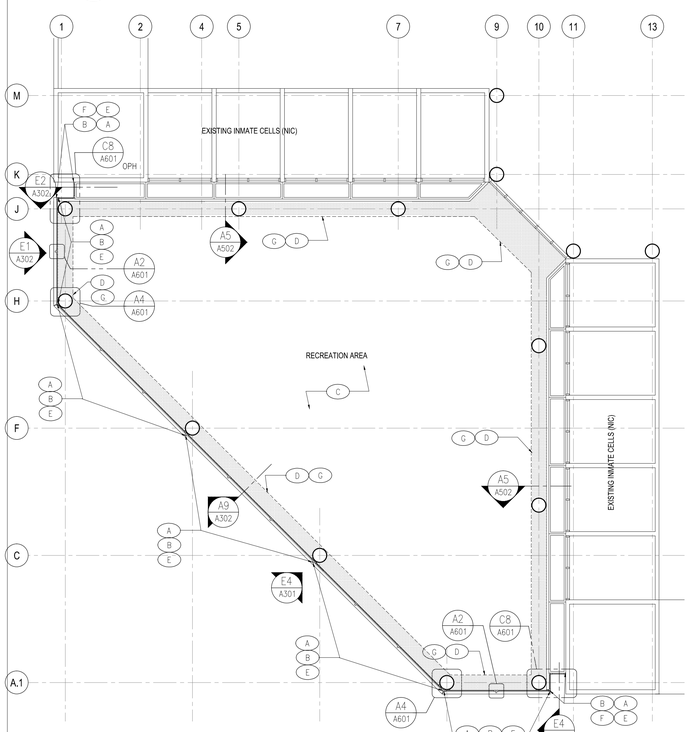
SEVENTH FLOOR-SOUTHEAST CORNER
NEW CONSTRUCTION PLAN
E1 A202
scale: 1/8" = 1'-0"



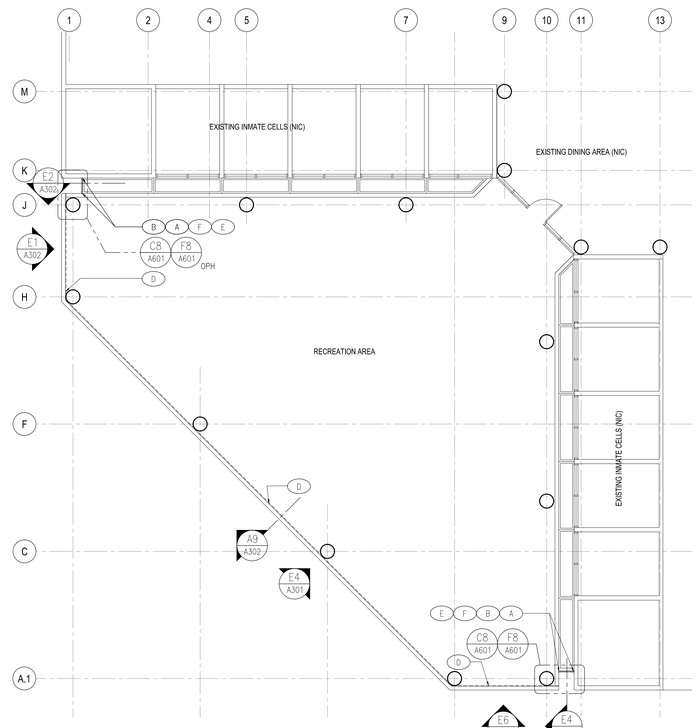
SIXTH FLOOR-SOUTHEAST CORNER
NEW CONSTRUCTION PLAN
E4 A202
scale: 1/8" = 1'-0"



FIFTH FLOOR-SOUTHEAST CORNER
NEW CONSTRUCTION PLAN
E8 A202
scale: 1/8" = 1'-0"



SEVENTH FLOOR-NORTHWEST CORNER
NEW CONSTRUCTION PLAN
A1 A202
scale: 1/8" = 1'-0"



SIXTH FLOOR-NORTHWEST CORNER
NEW CONSTRUCTION PLAN
A4 A202
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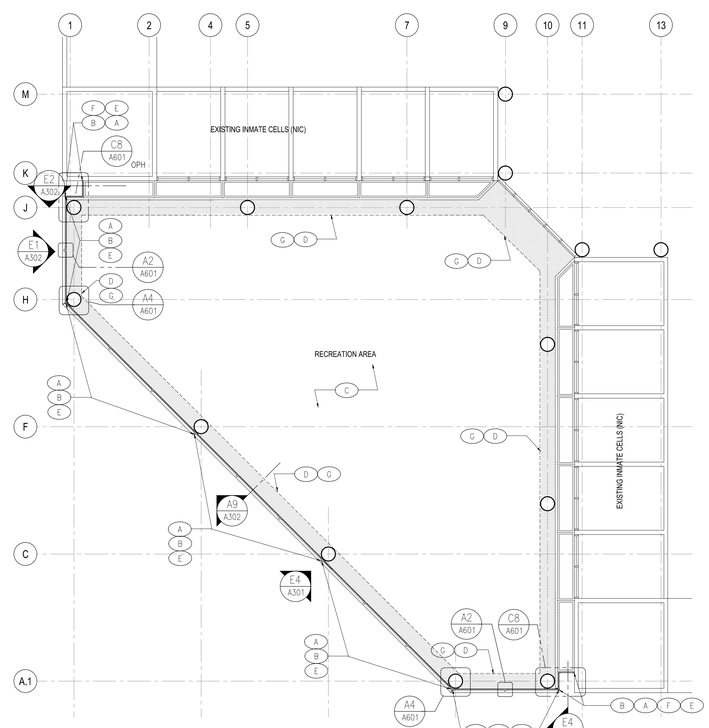

FIFTH FLOOR-NORTHWEST CORNER
NEW CONSTRUCTION PLAN
A8 A202
scale: 1/8" = 1'-0"

GENERAL NOTES

1. ALL STEEL IS GALVANIZED UNLESS NOTED OTHERWISE

FLOOR PLAN KEYNOTES

- A 1"X3" GALVANIZED STEEL SECURITY MESH W/ SUPPORTING FRAMEWORK, SEE STRUCTURAL ENGINEER'S DRAWINGS
- B PROVIDE CONNECTING ANGLES / PLATES AS SHOWN BY STRUCTURAL ENGINEER
- C NEW PAINT FINISH ON CEILING, AND STRUCTURE
- D NEW PRIMER / PAINT FINISH ON EXISTING EMBED PLATES
- E 1/4"X1/4" GALVANIZED STEEL SECURITY MESH OVER 1"X1" GALVANIZED STEEL SECURITY MESH, SEE ARCHITECTURAL ELEVATIONS FOR LOCATION
- F 1/4" STEEL PLATE WITHIN SECURITY SCREEN MESH FRAME
- G OUTLINE OF PERIMETER CONCRETE BEAM ABOVE

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FLOOR PLANS

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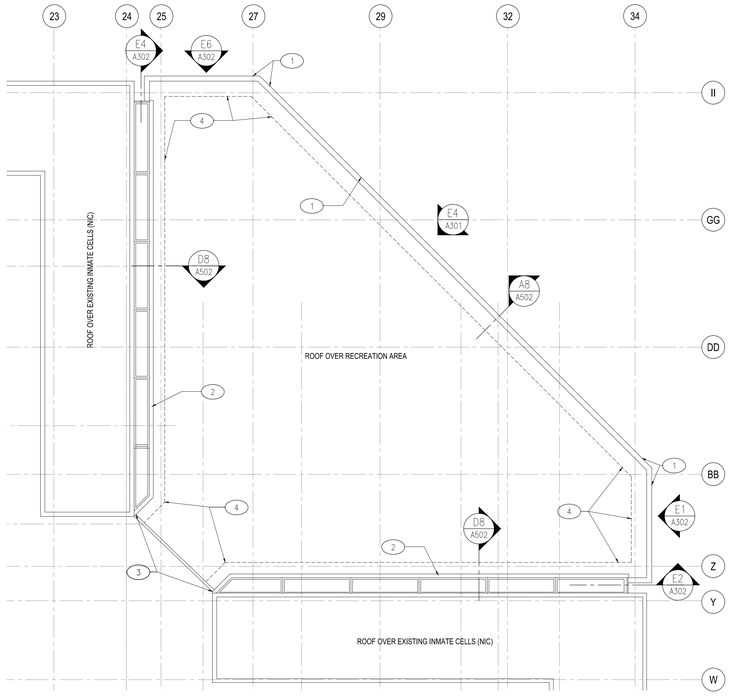
date:	09/29/2015
project no:	12002.013

A202



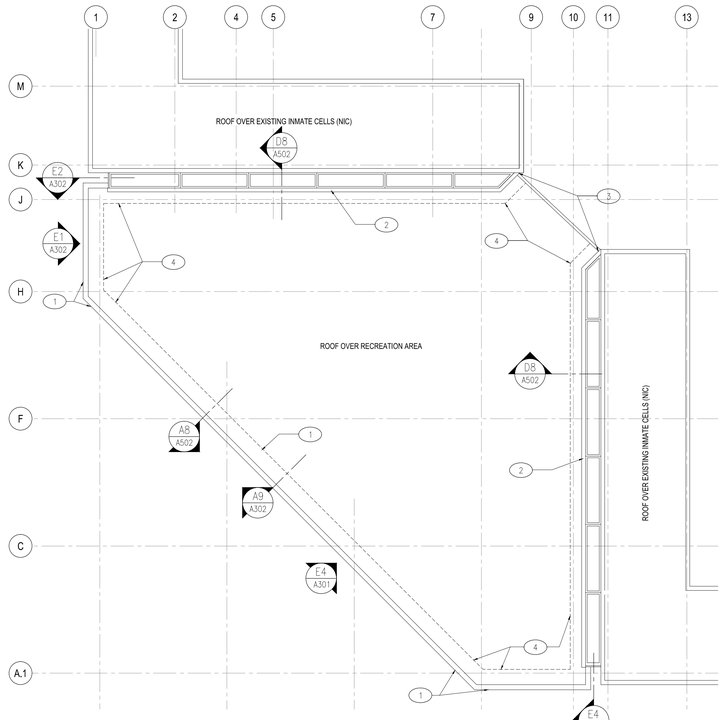
SOUTHEAST CORNER ROOF PLAN

E7 / A202

scale: 1/8" = 1'-0"

NEW CONSTRUCTION NOTES

1. NEW PERIMETER DRIP FLASHING SYSTEM AT OUTSIDE ROOF EDGE
2. NEW PERMITER CONCRETE CURB W/ FLASHING AROUND AREA AT ROOF
3. NEW ROOFTOP EXPANSION JOINT, SEE DETAIL A2/A502
4. PATCH/REPAIR EXISTING ROOF COATING AS REQUIRED TO MAINTAIN CURRENT ROOF WARRANTY



NORTHWEST CORNER ROOF PLAN

A7 / A202

scale: 1/8" = 1'-0"

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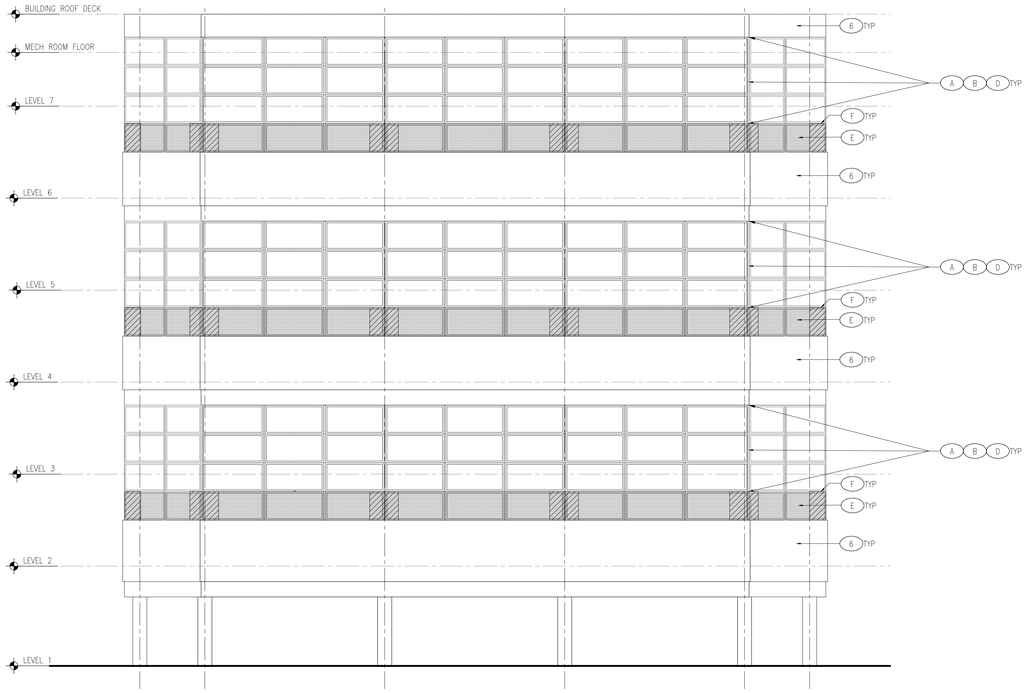
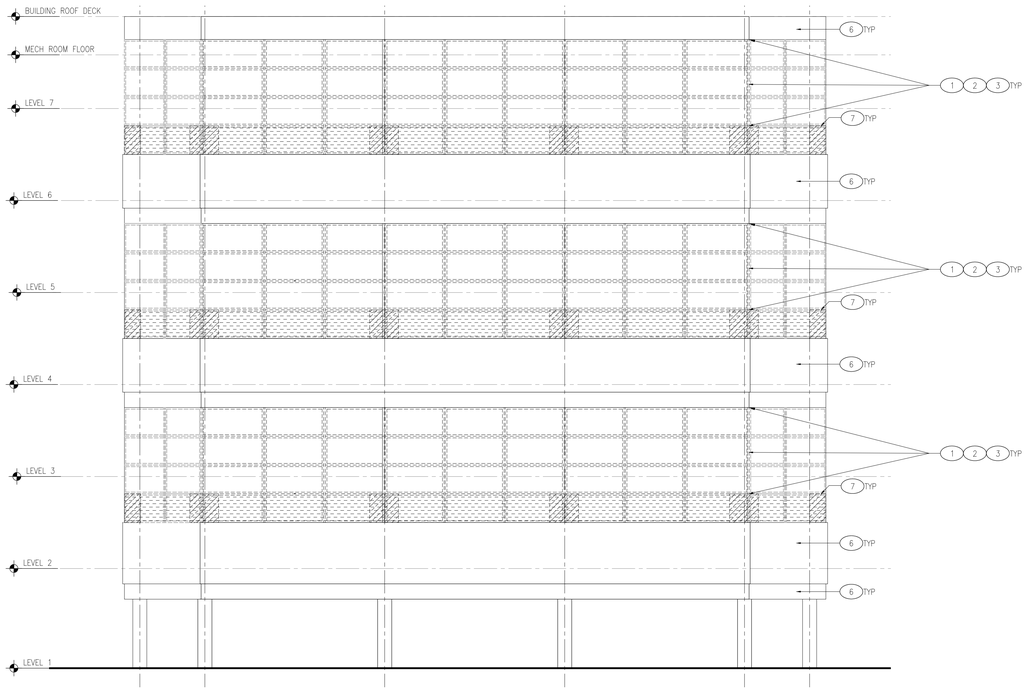
project no:	12002.013

A203



E4 A301 SOUTHEAST/NORTHWEST ELEVATION

scale: 1/8" = 1'-0"



A4 A301 EXISTING SOUTHEAST/NORTHWEST DEMO ELEVATION

scale: 1/8" = 1'-0"

GENERAL NOTES

1. ALL STAINLESS STEEL NOTES REFER TO TYPE 316 STAINLESS STEEL

DEMOLITION ELEVATION KEYNOTES

1. CONTRACTOR IS TO REMOVE ALL EXISTING SECURITY SCREENS W/ SUPPORTING FRAMEWORK
2. CONTRACTOR IS TO REMOVE ALL EXISTING CONNECTING ANGLES/PLATES AS REQUIRED
3. ALL THE EXISTING EMBED PLATES USED FOR SUPPORTING THE PERIMETER SECURTY SCREENS ARE TO HAVE EXISTING PAINT REMOVED AND BE CLEANED AND PREPARED TO RECEIVE NEW FRAMES AND SECURITY SCREEN ENCLOSURES
4. THE EXISTING EXPOSED STRUCTURE WHICH ACTS AS THE CEILING OF THE RECREATION AREA IS TO BE PRESSURE WASHED AND PREPARED TO RECEIVE A NEW PAINT FINISH
5. THE EXISTING EMBED PLATES ON THE BOTTOM OF THE EXPOSED STRUCTURAL BEAM ARE TO BE CLEANED / SANDED TO BARE METAL IN PREPARATION FOR NEW PRIMER / PAINT FINISH
6. EXISTING PRECAST PANELS TO REMAIN, PROTECT NEW PAINT FINISH FROM DAMAGE. CONTRACTOR WILL REPAIR / REPAINT ANY DAMAGE FROM DEMOLITION / NEW CONSTRUCTION PHASES OF WORK
7. DEMOLISH STEEL PLATE ATTACHED TO SECURITY SCREEN FRAME

ELEVATION KEYNOTES

- A 1"X3" GALVANIZED STEEL SECURITY MESH W/ SUPPORTING FRAMEWORK, SEE STRUCTURAL ENGINEER'S DRAWINGS
- B PROVIDE CONNECTING ANGLES / PLATES AS SHOWN BY STRUCTURAL ENGINEER
- C NEW PAINT FINISH ON CEILING, AND STRUCTURE
- D NEW PRIMER / PAINT FINISH ON EXISTING EMBED PLATES
- E 1/4"X1/4" GALVANIZED STEEL SECURITY MESH OVER 1"X1" GALVANIZED STEEL SECURITY MESH
- F 1/4" GALVANIZED STEEL PLATE WITHIN SECURITY SCREEN MESH FRAME
- G EXISTING FRAME AND STEEL PLATE TO REMAIN, PROTECT FROM DAMAGE

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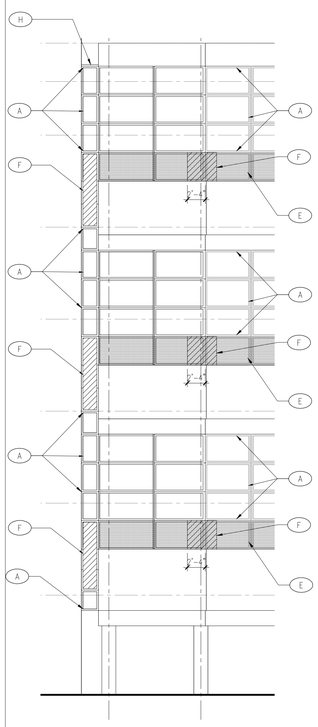
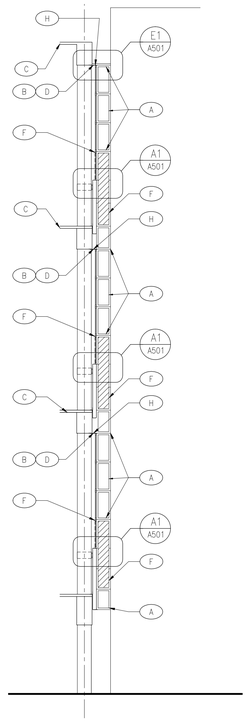
A301



E1 A302 PARTIAL N/S REVEAL ELEV
scale: 1/8" = 1'-0"



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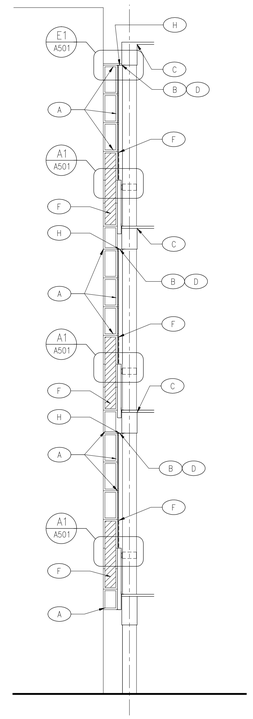

E4 A302 PARTIAL E/W REVEAL ELEV
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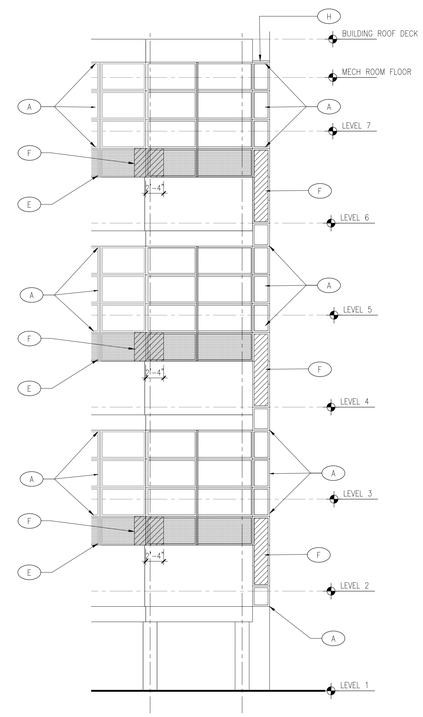

E6 A302 PARTIAL E/W REVEAL ELEV
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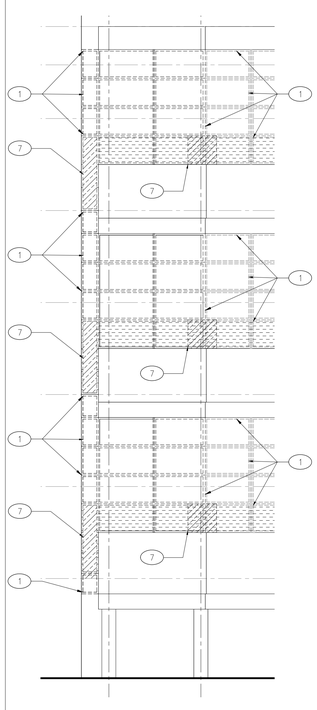

A1 A302 PARTIAL N/S REVEAL DEMO ELEV
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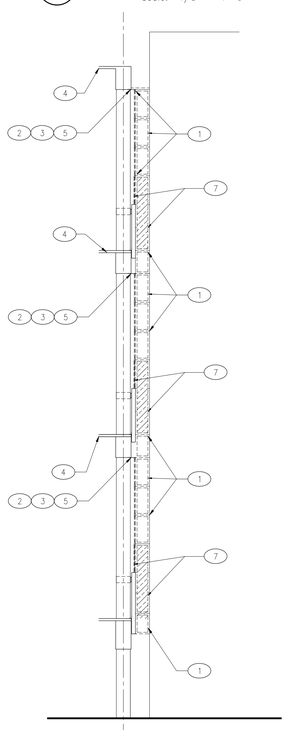
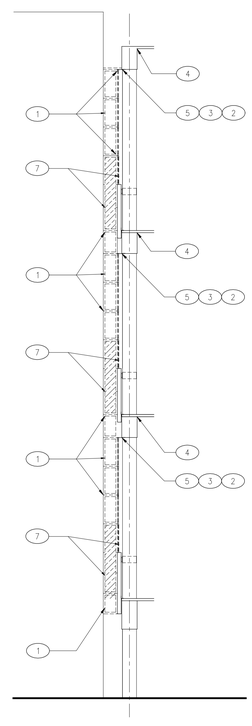


A2 A302 PARTIAL N/S REVEAL DEMO ELEV
scale: 1/8" = 1'-0"



A4 A302 PARTIAL E/W REVEAL DEMO ELEV
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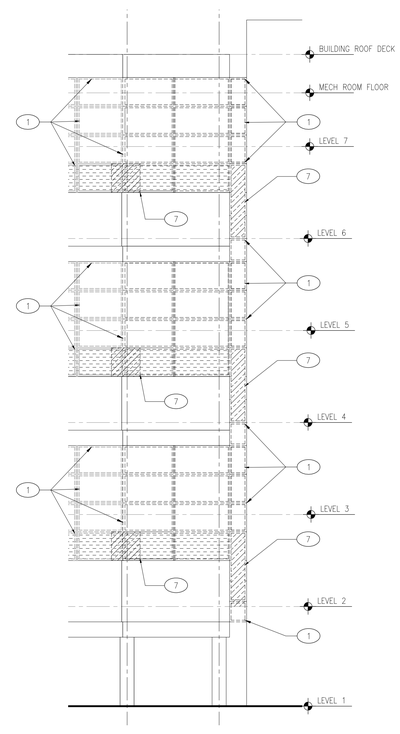

A6 A302 PARTIAL E/W REVEAL DEMO ELEV
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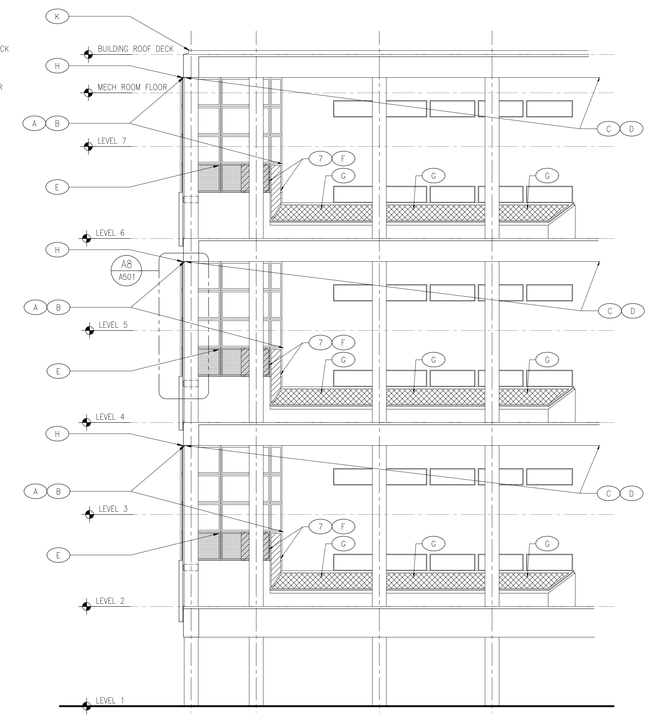

A9 A302 BUILDING SECTION OF RECREATION AREA
scale: 1/8" = 1'-0"

GENERAL NOTES

1. ALL STEEL IS GALVANIZED UNLESS NOTED OTHERWISE

DEMOLITION ELEVATION KEYNOTES

1. CONTRACTOR IS TO REMOVE ALL EXISTING SECURITY SCREENS W/ SUPPORTING FRAMEWORK
2. CONTRACTOR IS TO REMOVE ALL EXISTING CONNECTING ANGLES/PLATES AS REQUIRED
3. ALL THE EXISTING EMBED PLATES USED FOR SUPPORTING THE PERIMETER SECURITY SCREENS ARE TO HAVE EXISTING PAINT REMOVED AND BE CLEANED AND PREPARED TO RECEIVE NEW FRAMES AND SECURITY SCREEN ENCLOSURES
4. THE EXISTING EXPOSED STRUCTURE WHICH ACTS AS THE CEILING OF THE RECREATION AREA IS TO BE PRESSURE WASHED AND PREPARED TO RECEIVE A NEW PAINT FINISH
5. THE EXISTING EMBED PLATES ON THE BOTTOM OF THE EXPOSED STRUCTURAL BEAM ARE TO BE CLEANED / SANDED TO BARE METAL IN PREPARATION FOR NEW PRIMER / PAINT FINISH
6. EXISTING PRECAST PANELS TO REMAIN. PROTECT NEW PAINT FINISH FROM DAMAGE. CONTRACTOR WILL REPAIR / REPAINT ANY DAMAGE FROM DEMOLITION / NEW CONSTRUCTION PHASES OF WORK
7. DEMOLISH STEEL PLATE ATTACHED TO SECURITY SCREEN FRAME

ELEVATION KEYNOTES

- A 1"X3" GALVANIZED STEEL SECURITY MESH W/ SUPPORTING FRAMEWORK, SEE STRUCTURAL ENGINEER'S DRAWINGS
- B PROVIDE CONNECTING ANGLES / PLATES AS SHOWN BY STRUCTURAL ENGINEER
- C NEW PAINT FINISH ON CEILING, AND STRUCTURE
- D NEW PRIMER / PAINT FINISH ON EXISTING EMBED PLATES
- E 1/4"X1/4" GALVANIZED STEEL SECURITY MESH OVER 1"X1" GALVANIZED STEEL SECURITY MESH
- F 1/4" GALVANIZED STEEL PLATE WITHIN SECURITY SCREEN MESH FRAME
- G EXISTING FRAME AND STEEL PLATE TO REMAIN. PROTECT FROM DAMAGE
- H NEW FLASHING SYSTEM AT SCREEN HEAD
- K NEW ROOF EDGE FLASHING DETAIL

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ELEVATIONS

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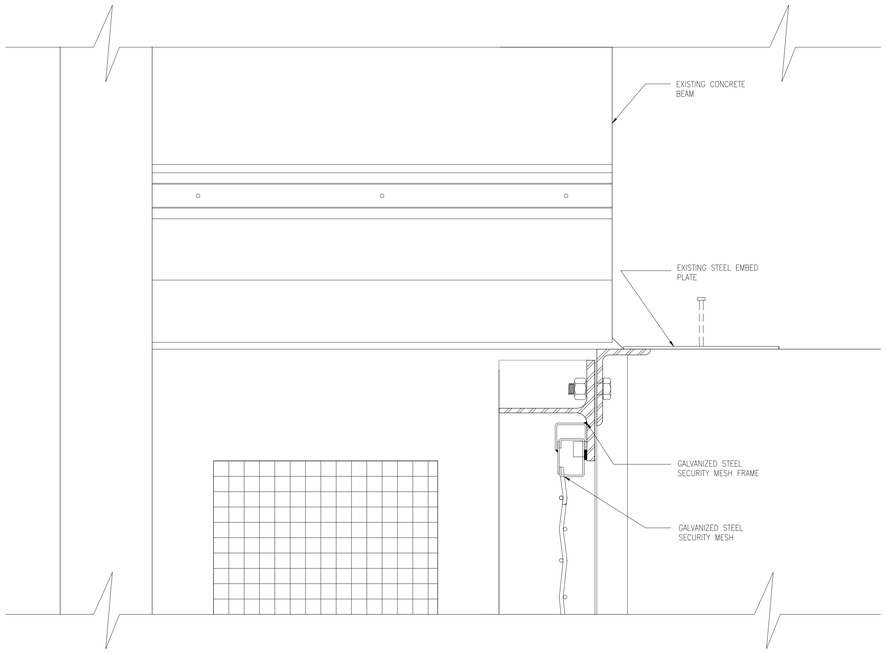
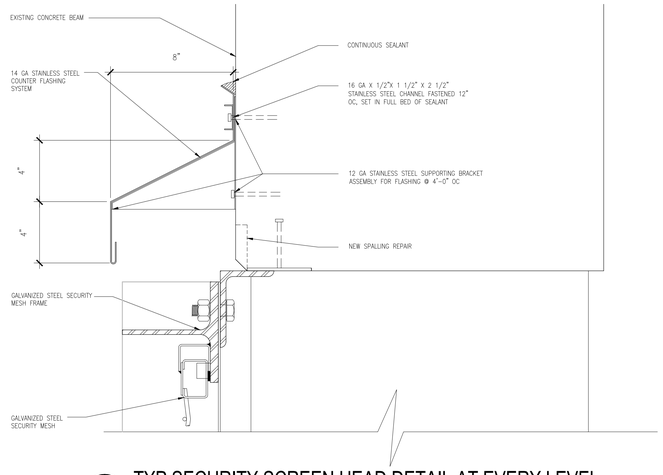
A302



E1 A501 SECURITY SCREEN HEAD DETAIL AT REVEAL
scale: 3" = 1'-0"



F6 A501 TYP SECURITY SCREEN HEAD DETAIL AT EVERY LEVEL
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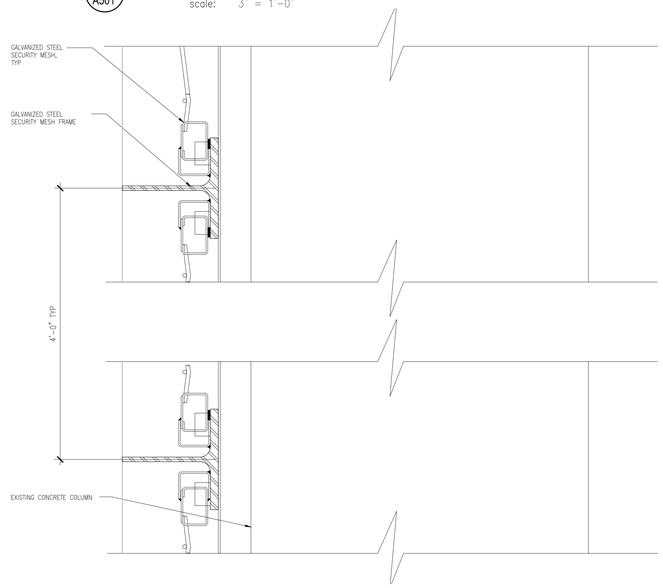

C6 A501 TYP SECURITY SCREEN MULL DETAIL
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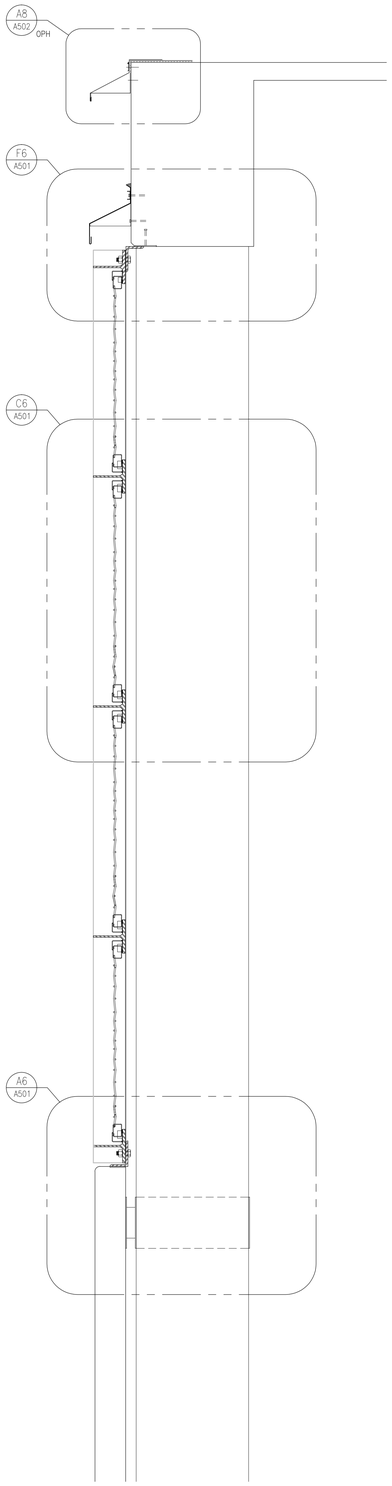

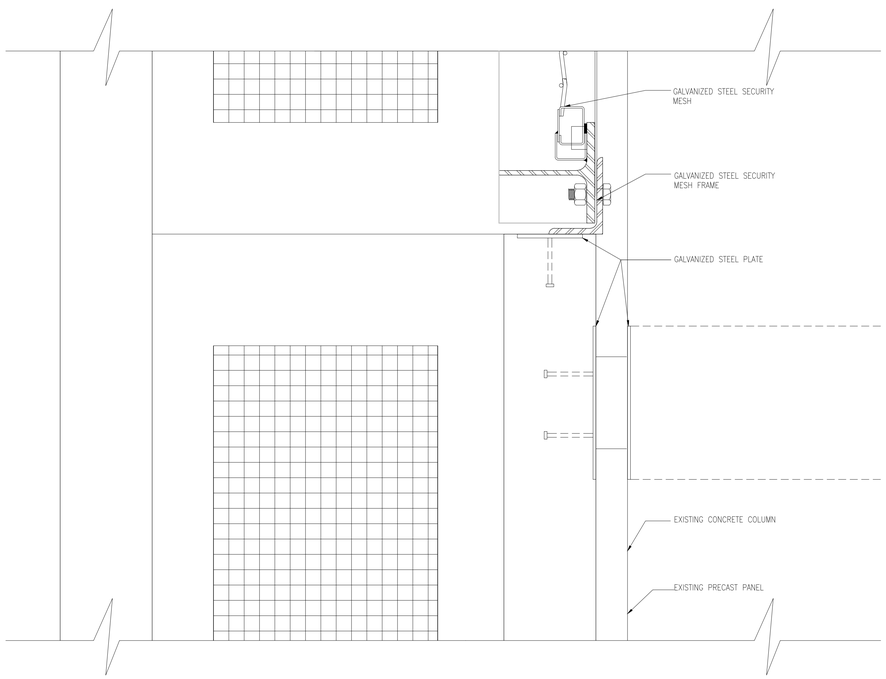

A1 A501 SECURITY SCREEN SILL DETAIL AT REVEAL
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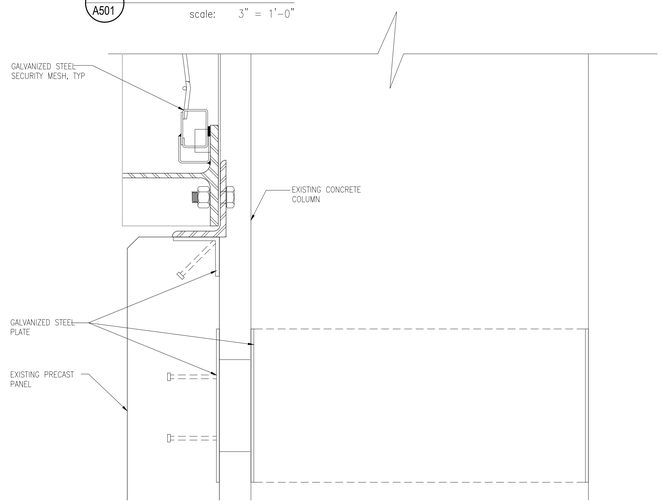

A6 A501 TYP SECURITY SCREEN SILL DETAIL
scale: 3" = 1'-0"

A8 A501 TYP SECURITY SCREEN SECTION DETAIL
scale: 1/2" = 1'-0"

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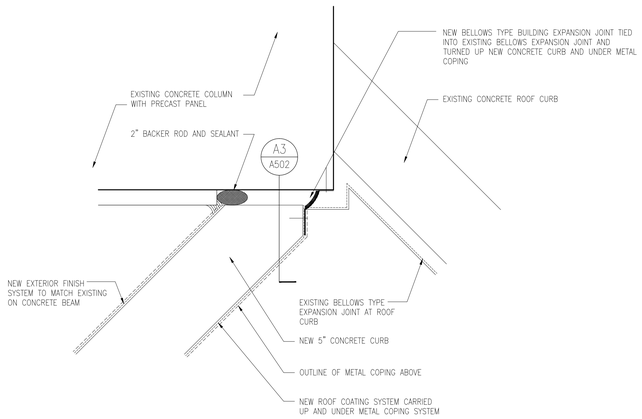

E3 A502 EXPANSION JOINT PLAN DETAIL

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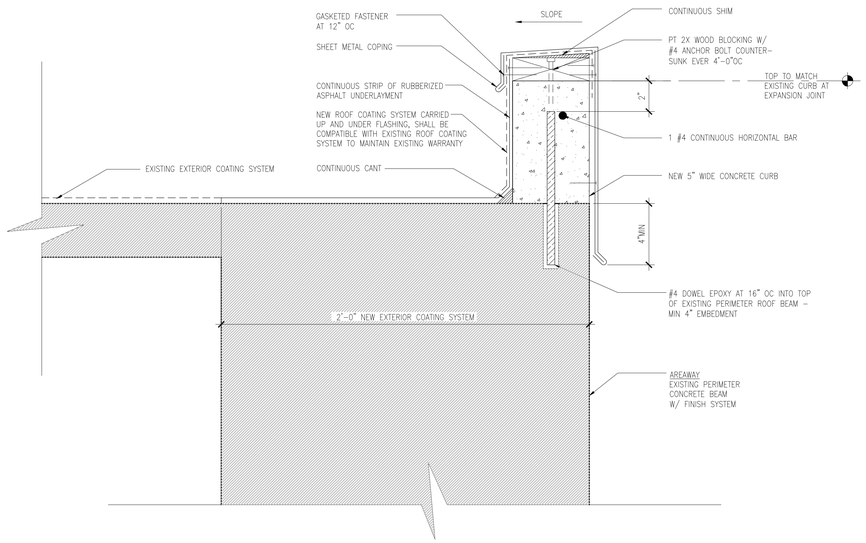

D8 A502 CURB DETAIL

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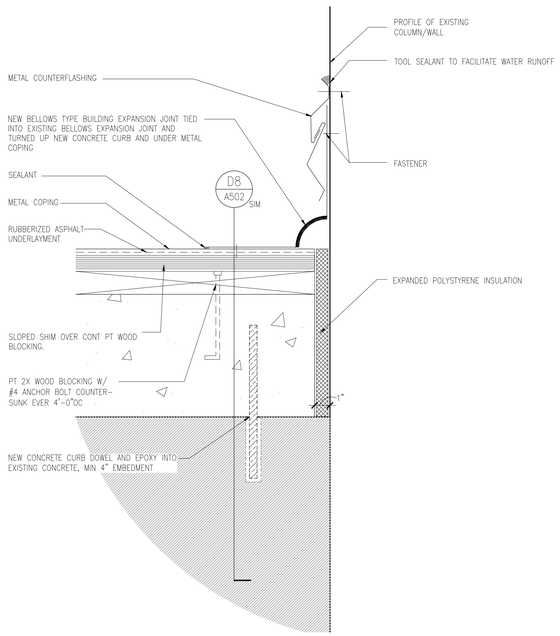

A3 A502 EXPANSION JOINT DETAIL

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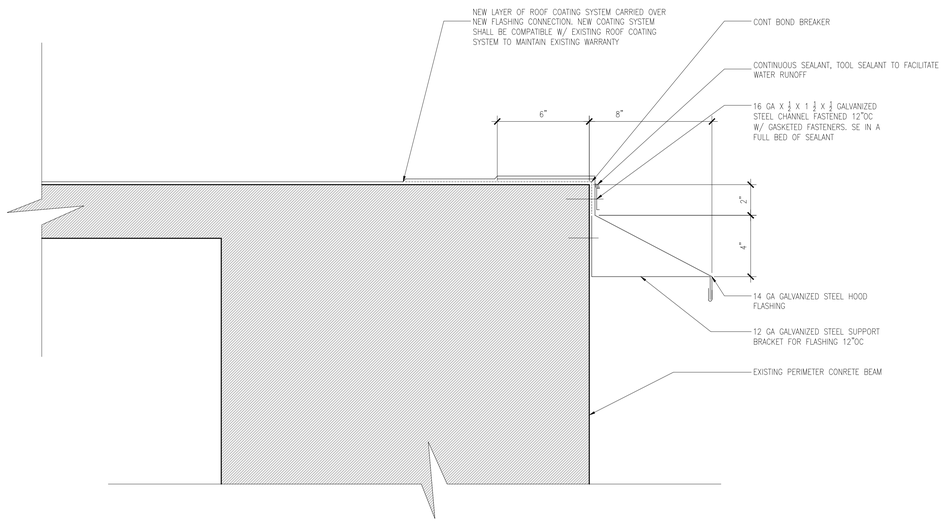

A8 A502 ROOF EDGE DETAIL

scale: 3" = 1'-0"

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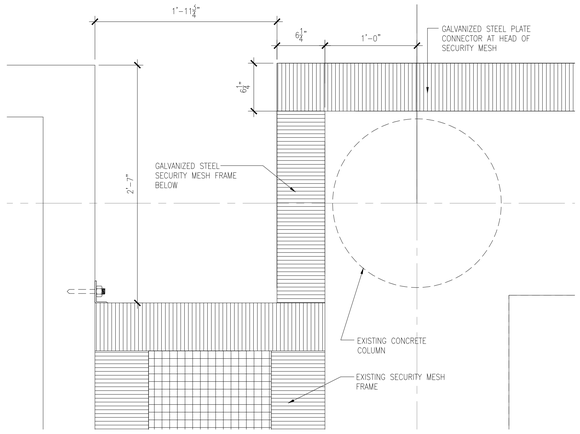
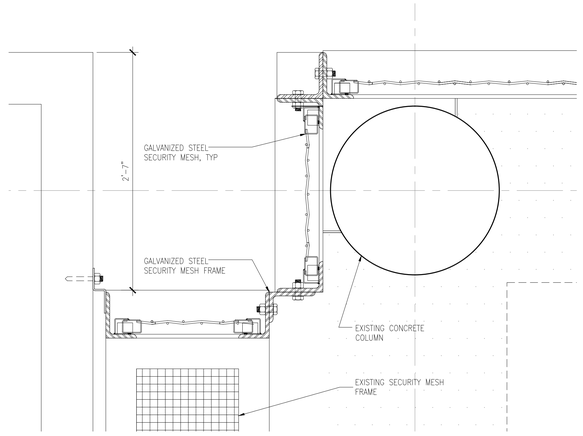


F8 A601 SECURITY SCREEN PLAN DETAIL
scale: 1 1/2" = 1'-0"



C8 A601 SECURITY SCREEN PLAN DETAIL
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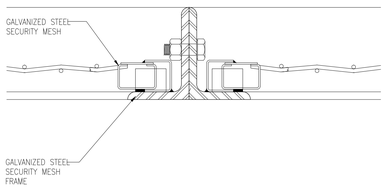

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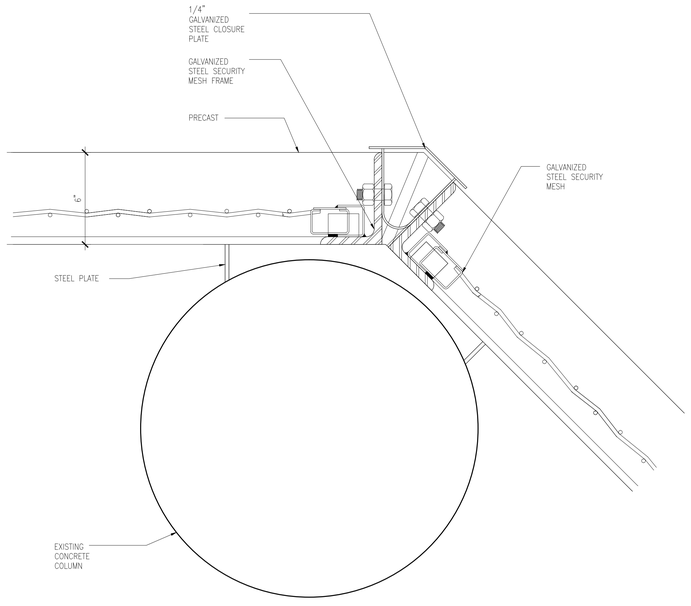

A4 A601 SECURITY SCREEN PLAN DETAIL
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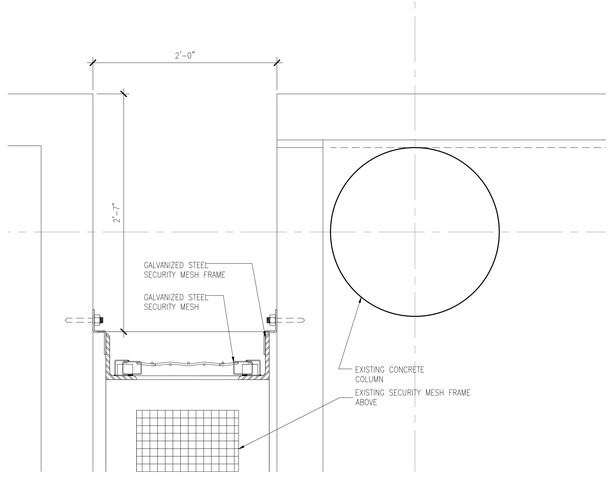

A8 A601 SECURITY SCREEN PLAN DETAIL
scale: 1 1/2" = 1'-0"

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STRUCTURAL GENERAL NOTES:

GENERAL

A. PERFORM CONSTRUCTION AND WORKMANSHIP IN COMPLIANCE WITH CONTRACT DOCUMENTS AND THE FLORIDA BUILDING CODE 2014.

B. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

C. STRUCTURAL DRAWINGS, AS PART OF CONTRACT DOCUMENTS, INDICATE SUFFICIENT INFORMATION TO CONVEY DESIGN INTENT. IF ERRORS, INCONSISTENCIES OR OMISSIONS ARE DISCOVERED PROMPTLY NOTIFY STRUCTURAL ENGINEER BEFORE PROCEEDING WITH WORK.

D. NO PORTION OF STRUCTURAL RELATED WORK, INCLUDING SHOP DRAWING DEVELOPMENT, SHALL BE PERFORMED WITHOUT CONSIDERING REQUIREMENTS OF CONTRACT DOCUMENTS IN THEIR ENTIRETY. FOR EXAMPLE, REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS, PENETRATIONS AND EMBEDMENT FOR DUCTS, PIPING, VENTS, CONDUITS AND OTHER ITEMS INCORPORATED IN STRUCTURAL WORK.

E. OBSERVATION VISITS TO SITE BY FIELD REPRESENTATIVES OF ENGINEER OF RECORD DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION MEANS AND METHODS. OBSERVATIONS PERFORMED BY ENGINEER OF RECORD DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE PERFORMED BY OTHERS. OBSERVATIONS PERFORMED BY ENGINEER OF RECORD ARE PERFORMED SOLELY FOR THE PURPOSE OF DETERMINING IF CONTRACTOR UNDERSTANDS DESIGN INTENT CONVEYED IN DESIGN DOCUMENTS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBER, AND ERECTION IN THE FIELD.

G. THE CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF A ANY STRUCTURAL MEMBERS.

H. ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL ELEMENTS DURING CONSTRUCTION PROCESS UNTIL LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.

I. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.

J. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WEATHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER.

K. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, PROCEDURES OF CONSTRUCTION AND TO COMPLY WITH OSHA REGULATIONS.

L. THE FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS HAS ISSUED STATEMENTS ON RESPONSIBILITIES OF PROFESSIONAL ENGINEERS, PURSUANT TO RULE 21H-19.003). CERTAIN COMPONENTS OF THE STRUCTURE REQUIRE THE WORK OF A SPECIALTY ENGINEER FOR THE DESIGN OF THOSE COMPONENTS. ALL PROCEDURES STATED IN THE STATEMENTS SHALL APPLY TO THIS PROJECT.

STRUCTURAL STEEL

A. MATERIALS
1. ALL STEEL ANGLES, TEES AND PLATES SHALL BE ASTM A36 STEEL GALV.
2. THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL MEMBERS.

B. ERECTION
1. ERECTION TOLERANCES OF ANCHORS BOLTS, EMBEDDED ITEMS, AND ALL STRUCTURAL STEEL UNLESS SPECIFIED OTHERWISE ON THE DRAWINGS SHALL CONFORM TO AISC CODE OF STANDARD PRACTICE.
2. THE DESIGN OF ALL TEMPORARY SHORING AND BRACING NOT SHOWN ON THE DRAWING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TEMPORARY SHORING AND BRACING IS TO BE DESIGNED BY A FLORIDA PROFESSIONAL ENGINEER.

D. WELDING
1. STRUCTURAL STEEL SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. ALL WELDING SHALL BE DONE BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH AWS D1.1. WELDS SHOWN IN THE DRAWINGS ARE THE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES, BASED ON PLATE THICKNESS. THE MINIMUM WELD SIZE SHALL BE 3/16 INCH. FIELD WELDING SYMBOLS HAVE NOT NECESSARILY BEEN INDICATED ON THE DRAWINGS. WHERE SHOWN, PROPER FIELD WELDING PER AWS D1.1 SHALL BE USED. WHERE NO FIELD WELDING SYMBOLS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS.

DESIGN LOADS

A. WIND LOADS:
1. WIND LOADS SHALL BE BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2014.
   a) DESIGN WIND SPEED (Vult)= 140 MPH
      NOMINAL WIND SPEED (Vasd) = 109 MPH
   b) RISK CATEGORY III
   c) WIND EXPOSURE C.
   d) APPLICABLE INTERNAL PRESSURE COEFFICIENT +/- 0.18
   e) NET DESIGN SERVICE LEVEL (ASD) WIND PRESSURES FOR WALL COMPONENTS AND CLADDING = 62 PSF

F. STRUCTURAL BOLTS
1. ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL ASTM A325 GALV, MINIMUM BOLT DIAMETER SHALL BE 3/4 INCHES.
2. UNLESS NOTED OTHERWISE IN THE DRAWINGS OR IN THESE GENERAL NOTES ALL BOLTED CONNECTION SHALL BE BEARING TYPE CONNECTIONS USING STANDARD HOLES WITH THREAD INCLUDED IN THE PLANES.
3. HIGH STRENGTH BEARING BOLTS SHALL BE TIGHTENED USING AN IMPACT WRENCH TO A SNUG TIGHT CONDITION. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED WITH A FEW IMPACT OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.
4. ALL BOLTS SHALL BE WELL LUBRICATED AT THE TIME OF INSTALLATION. DRY, RUSTY BOLTS WILL NOT BE ALLOWED.
5. ALL BOLTS SHALL BE NEW AND SHALL NOT BE REUSED.

L. CONNECTIONS
1. TYPICAL CONNECTION DETAILS ARE INDICATED ON THE DRAWINGS
2. MINIMUM CONNECTION SHALL BE A TWO BOLT CONNECTION USING 3/4 INCH DIAMETER A325 GALV. BOLTS IN SINGLE SHEAR.
3. ALL HIGH-STRENGTH BOLTS SHALL BE INSTALLED, TIGHTENED AND INSPECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. THE CRITERIA FOR SNUG-TIGHT CONNECTIONS SHALL APPLY TO ALL CONNECTIONS UNLESS NOTED OTHERWISE AS SLIP CRITICAL. SLIP CRITICAL CONNECTIONS SHALL USE LOAD INDICATOR WASHERS OR TENSION CONTROLLED BOLTS. ALL BOLTS SHALL BE STANDARD BOLTS UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SELECTION OF OPTIONAL DETAILS SHOWN ON THE DRAWINGS.
5. WHEN CONDITIONS VARY FROM THOSE SHOWN IN THE "TYPICAL DETAILS" OR WHEN THE CONTRACTOR WANTS TO USE ALTERNATE DETAILS± SUBMIT SIGNED AND SEALED CALCULATIONS FOR ENGINEER'S APPROVAL.

EPOXY ANCHORS

EPOXY ANCHORS SHALL BE PROVIDED WHERE NOTED ON DRAWINGS TO PROVIDE ANCHORAGE TO HARDENED CONCRETE EPOXY ADHESIVE ANCHORING SYSTEM FOR CONCRETE SHALL BE 3/4" DIA. HILTI HIT-Z STAINLESS STEEL TYPE 316 ANCHOR WITH HIT-HY 200 ADHESIVE. PROVIDE 4" MIN. EMBEDMENT UNLESS OTHERWISE NOTED.

EXISTING STRUCTURE

A. EXISTING STRUCTURAL FRAMING, DIMENSIONS AND MEMBER SIZES ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL IN THE FIELD PRIOR TO FABRICATION. THE CONTRACTOR SHALL VERIFY THE ACTUAL CONFIGURATION OF EXISTING CONTRUCTION AND THE CONDITION OF THE STRUCTURE BEFORE BEGINNING WORK. ANY DISCREPANCIES OR UNSOUND CONDITION SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION BEFORE BEGINNING WORK.

B. TEMPORARY SHORING AND BRACING MAY BE NECESSARY IN ORDER TO PERFORM THE NECESSARY STRUCTURAL MODIFICATIONS TO THE EXISTING STRUCTURE SHOWN ON THE STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS. THE CONTRACTOR MUST RETAIN A LICENSED STRUCTURAL ENGINEER WHO SHALL INVESTIGATE WHERE THIS TEMPORARY SHORING/BRACING IS REQUIRED, AND SHALL DESIGN THIS TEMPORARY SHORING/BRACING.

SHOP DRAWINGS

A. ALL SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL. ALL SUBMITTAL SHALL BE PROVIDED FOR THE ENGINEER REVIEW A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION OR REQUIRED DELIVERY OF MATERIALS. THE ENGINEER SHALL BE PROVIDED A MINIMUM OF (10) BUSINESS DAY TO REVIEW SUBMITTALS. THE CONTRACTOR SHALL MAKE NO CLAIMS FOR DELAY FOR SUBMITTALS NOT PROVIDED IN ACCORDANCE WITH THIS REQUIRED REVIEW PERIOD OR NOT OTHERWISE SUBMITTED IN A TIMELY MANNER. THE SHOP DRAWING SHALL BE SUBMITTED ELECTRONICALLY IN BLACK AND WHITE "PDF" OR "DWF" FORMAT.

B. THE CONTRACTOR IS TO REVIEW EACH SUBMITTAL PRIOR TO FORWARDING TO ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR IS TO STAMP EACH SUBMITTAL VERIFYING THAT THE FOLLOWING IS ADDRESSED:

1. SHOP DRAWINGS IS REQUESTED.
2. THE SHOP DRAWING IS BASED ON THE LATEST DESIGN.
3. THE ARCHITECT'S AND STRUCTURAL ENGINEER'S COMMENTS FROM ANY PREVIOUS SUBMITTALS ARE ADDRESSED.
4. THE WORK IS COORDINATED AMONG ALL CONSTRUCTION TRADES.
5. REVISIONS FROM PREVIOUS SUBMITALS ARE CLEARLY MARKED BY CIRCLING OR CLOUDS.
6. SUBMITTAL IS COMPLETED.

C. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, THEREFORE THEY SHALL BE VERIFIED BY THE CONTRACTOR.

D. SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHING AND INSTALLED, AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHOD. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWINGS SUBMITTAL AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

E. THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
1. STRUCTURAL STEEL.
2. SCREENS AND WIND LOAD CALCULATION

F. THE STEEL FABRICATOR SHALL NOT OUT SOURCE THE STRUCTURAL STEEL DETAILING OVER SEAS, THE STEEL FABRICATOR SHALL HIRE A QUALIFIED DETAILER WITH A MINIMUM OF 10 YEARS EXPERIENCE LOCATED IN UNITED STATES AND THE DETAILING WORK SHALL BE PERFORMED IN THE UNITED STATES. THE SHOP DRAWING SHALL BE SUBMITTED ELECTRONICALLY IN BLACK AND WHITE "PDF" OR "DWF" FORMAT.

NOTE #1:
FIELD SURVEY AND VERIFY ALL DIMENSIONS AND THE EXISTING CONDITIONS BEFORE SHOP DRAWING SUBMITTAL AND FABRICATION TYP.

STRUCTURAL SHEET INDEX

SHEET NO.	SHEET TITLE:
S001	STRUCTURAL GENERAL NOTES
S201	STRUCTURAL FLOOR PLANS
S202	STRUCTURAL FLOOR PLANS
S301	STRUCTURAL EXTERIOR ELEVATIONS
S401	PANEL TYPES
S402	SECTIONS AND DETAILS
S501	EXISTING CONCRETE RESTORATION
S502	EXISTING CONCRETE RESTORATION

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ADVANCED STRUCTURAL DESIGN
To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010
1265 S. Semoran Blvd. Suite 1201, Winter Park, FL 32792
Phone: 407-677-5536 - Fax: 407-677-5894
Florida Engineering Business Number: 25893
Jamshid Hakimian, P.E. Florida No: 46613

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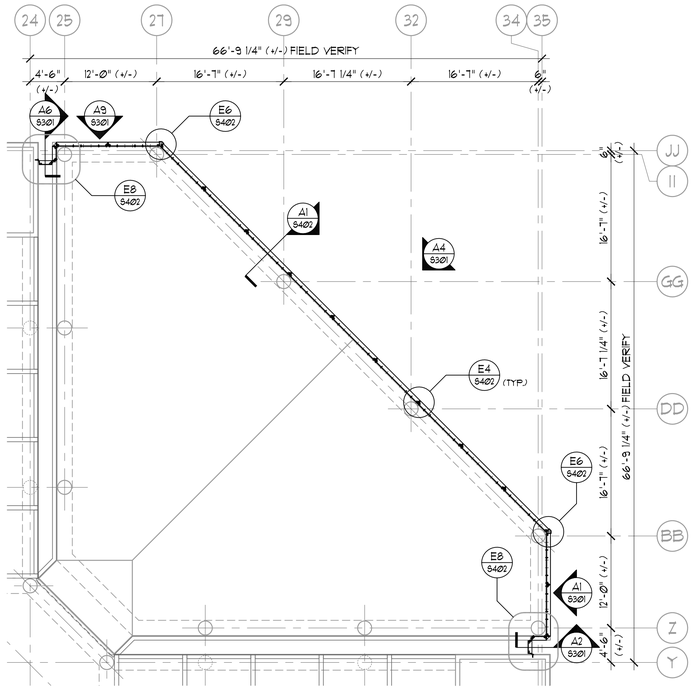
Jamshid Hakimian, P.E.
Florida No: 46613

date	submission/revision	no.

Structural General Notes

scale:	AS NOTED
drawn:	S.L.
check:	J.H.
date:	09/29/2015
project no:	12002.013

S001

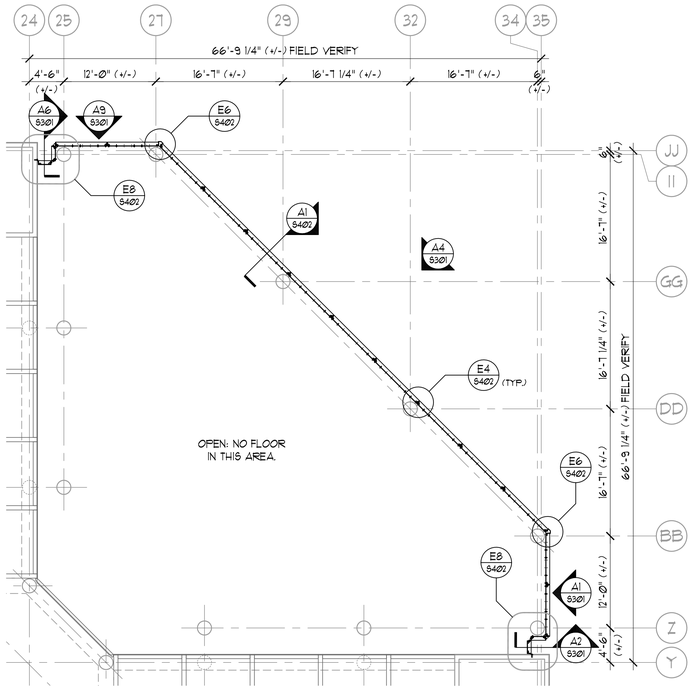


FOURTH FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E1 / S201

scale: 1/8" = 1'-0"

133'-3" (+/-)
T/4th FLOOR
(FIELD VERIFY)

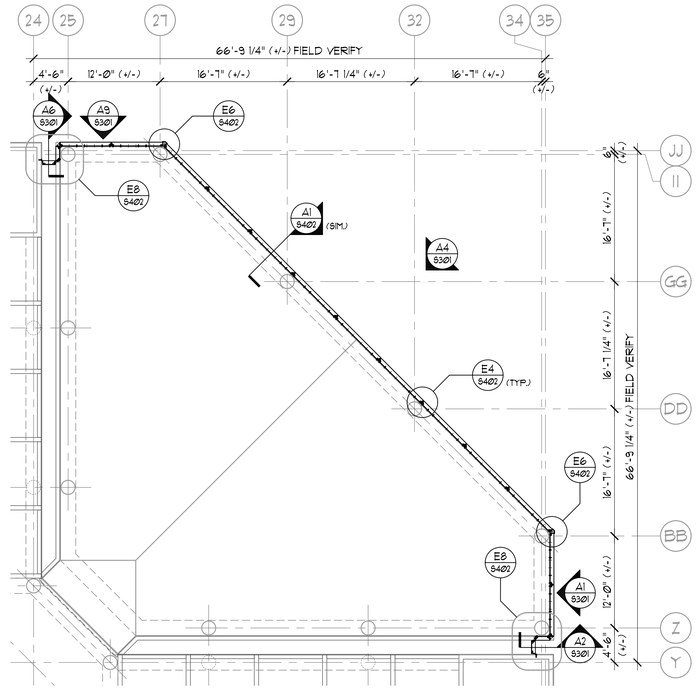


THIRD FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E4 / S201

scale: 1/8" = 1'-0"

121'-3" (+/-)
T/3rd FLOOR
(FIELD VERIFY)

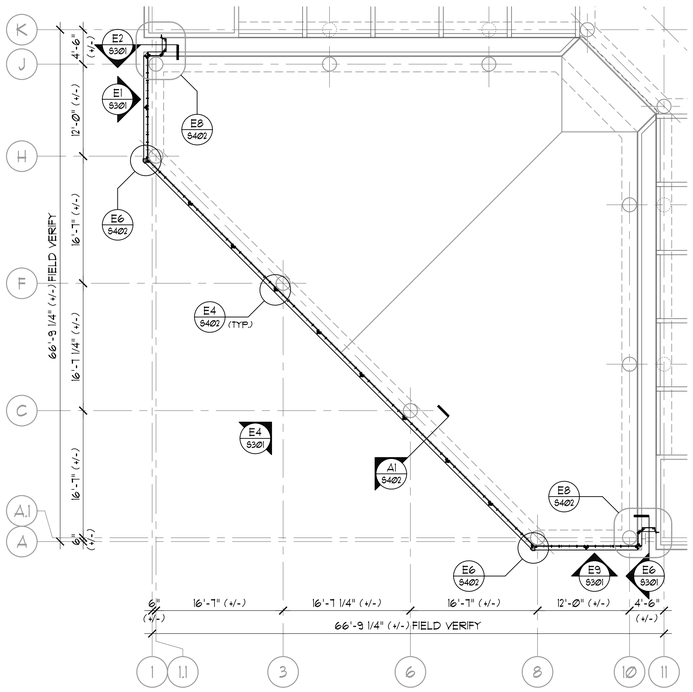


SECOND FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E8 / S201

scale: 1/8" = 1'-0"

109'-3" (+/-)
T/2nd FLOOR
(FIELD VERIFY)

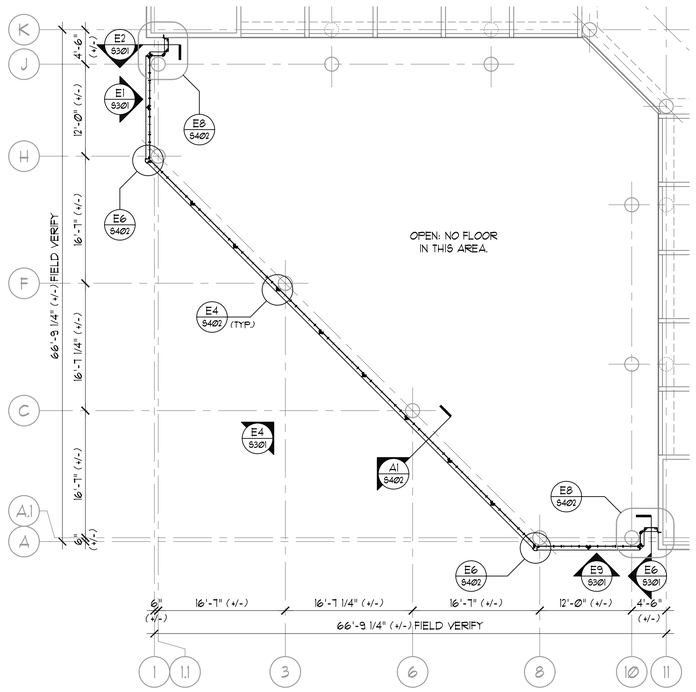


FOURTH FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A1 / S201

scale: 1/8" = 1'-0"

133'-3" (+/-)
T/4th FLOOR
(FIELD VERIFY)

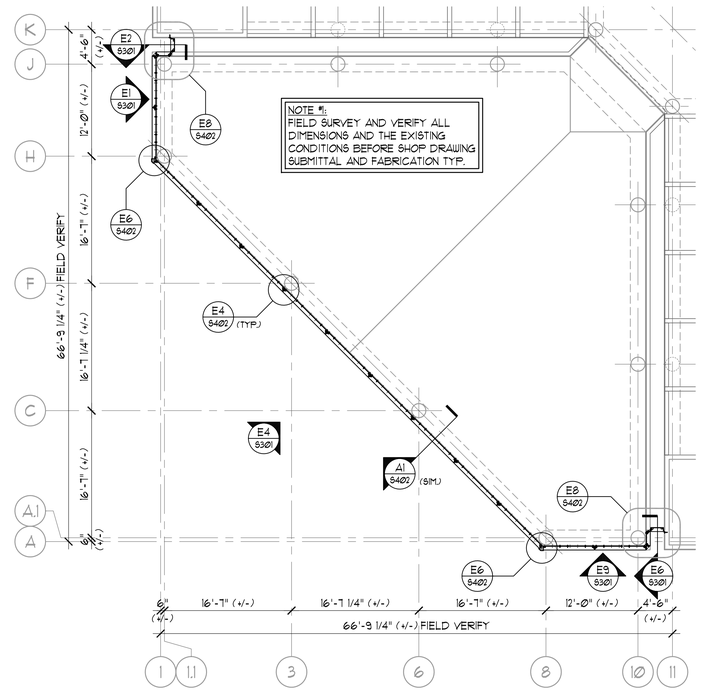


THIRD FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A4 / S201

scale: 1/8" = 1'-0"

121'-3" (+/-)
T/3rd FLOOR
(FIELD VERIFY)



SECOND FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A8 / S201

scale: 1/8" = 1'-0"

109'-3" (+/-)
T/2nd FLOOR
(FIELD VERIFY)

rhodes + brito
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ASD
ADVANCED STRUCTURAL DESIGN

To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010

1265 S. Semoran Blvd. Suite 1201, Winter Park, FL 32792
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Florida Engineering Business Number: 25693
Jamshid Hakimian, P.E. Florida No: 46613

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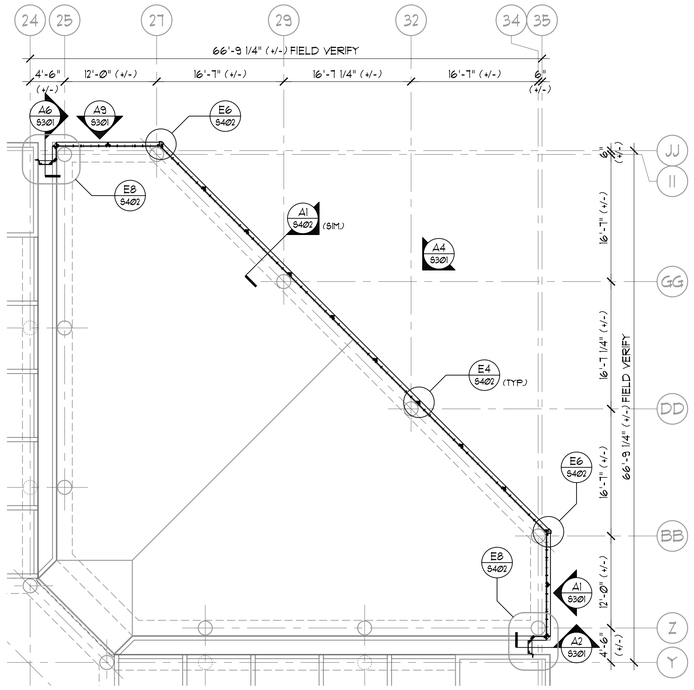
STRUCTURAL
FLOOR
PLANS

scale:	AS NOTED
drawn:	S.L.
check:	J.H.
date:	09/29/2015
project no:	12002.013

S201

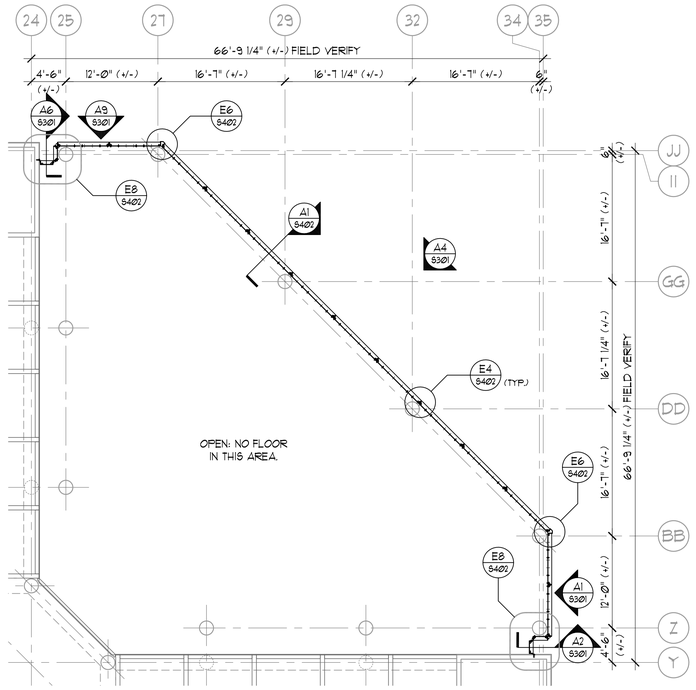


SEVENTH FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E1 / S202

scale: 1/8" = 1'-0"

169'-3" (+/-)
T/7th FLOOR
(FIELD VERIFY)

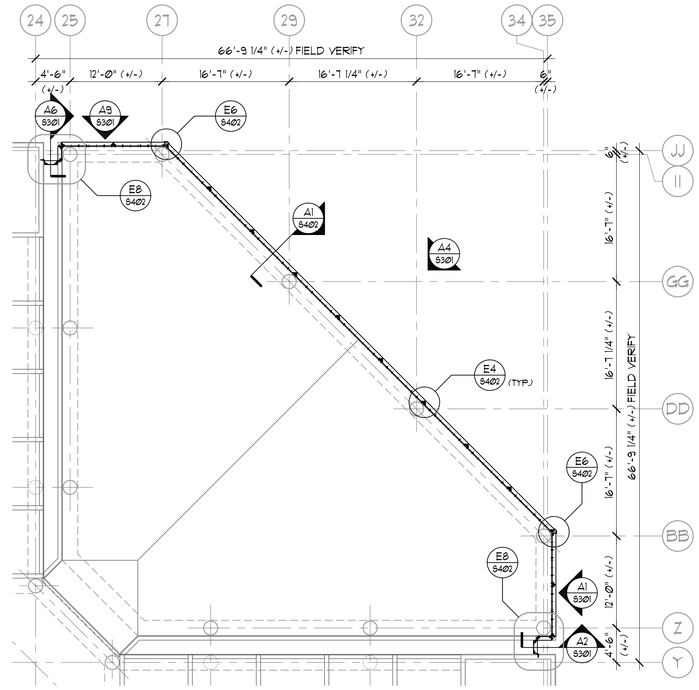


SIXTH FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E4 / S202

scale: 1/8" = 1'-0"

157'-3" (+/-)
T/6th FLOOR
(FIELD VERIFY)

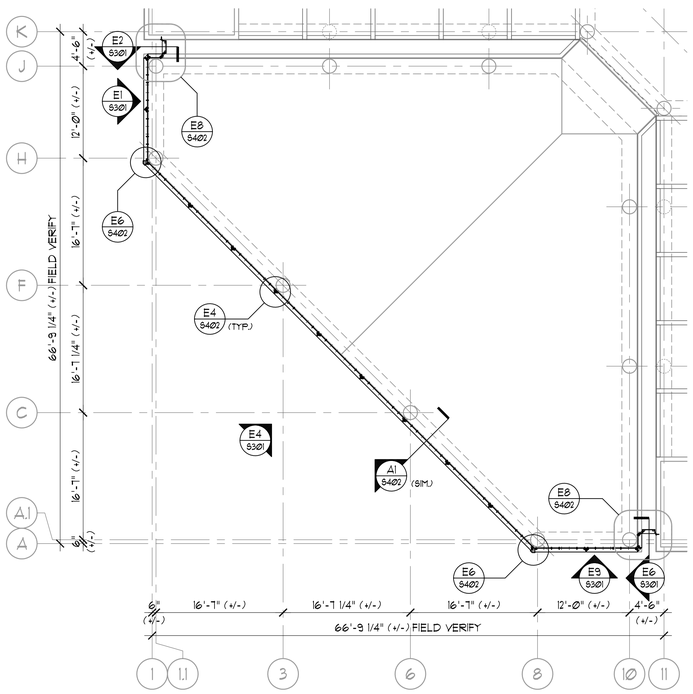


FIFTH FLOOR - SOUTHEAST CORNER
NEW CONSTRUCTION PLAN

E8 / S202

scale: 1/8" = 1'-0"

145'-3" (+/-)
T/5th FLOOR
(FIELD VERIFY)

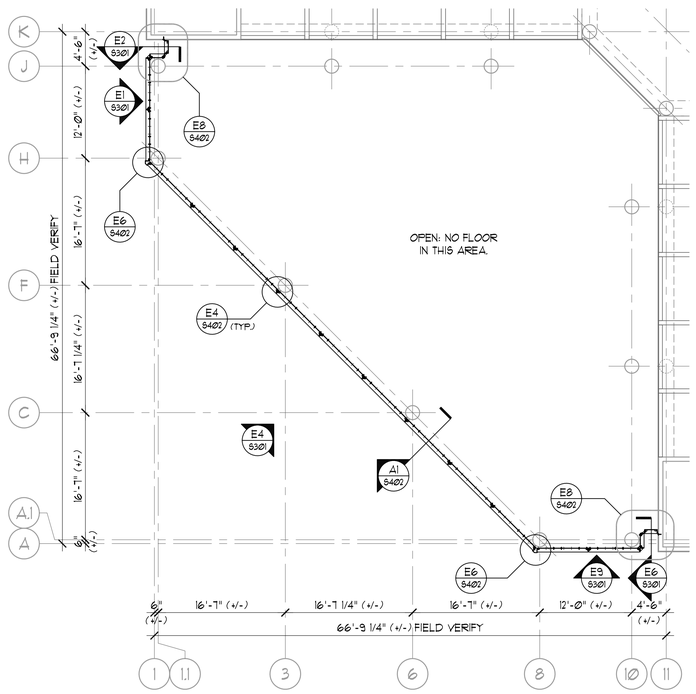


SEVENTH FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A1 / S202

scale: 1/8" = 1'-0"

169'-3" (+/-)
T/7th FLOOR
(FIELD VERIFY)

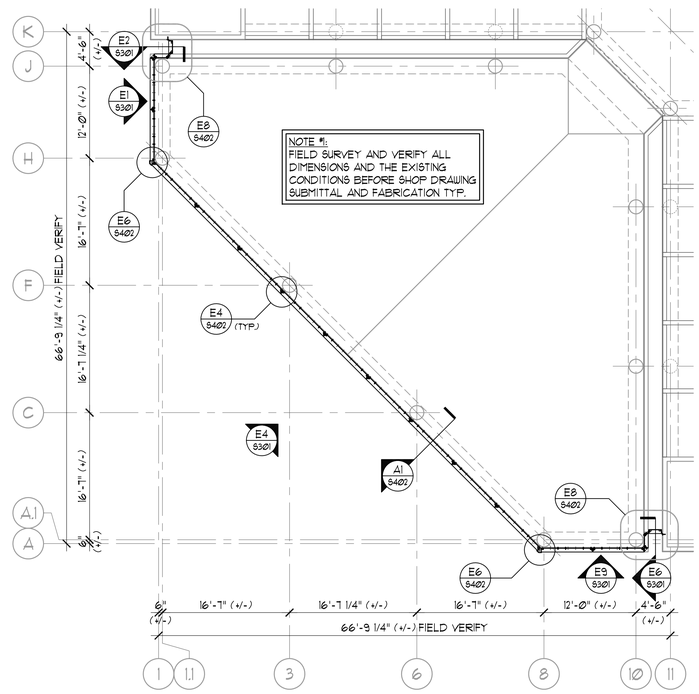


SIXTH FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A4 / S202

scale: 1/8" = 1'-0"

157'-3" (+/-)
T/6th FLOOR
(FIELD VERIFY)



FIFTH FLOOR - NORTHWEST CORNER
NEW CONSTRUCTION PLAN

A8 / S202

scale: 1/8" = 1'-0"

145'-3" (+/-)
T/5th FLOOR
(FIELD VERIFY)

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STRUCTURAL
FLOOR
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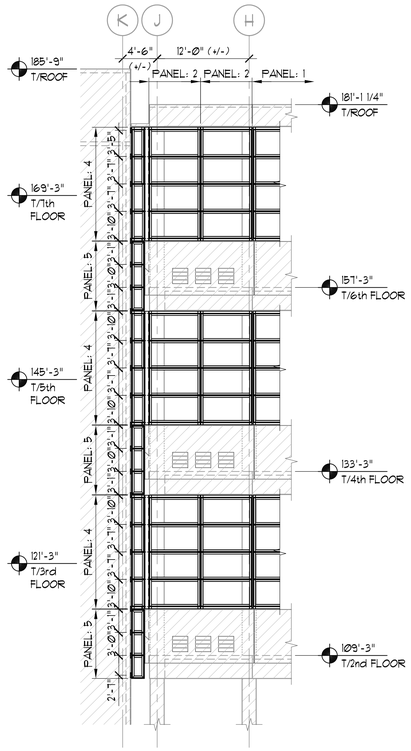
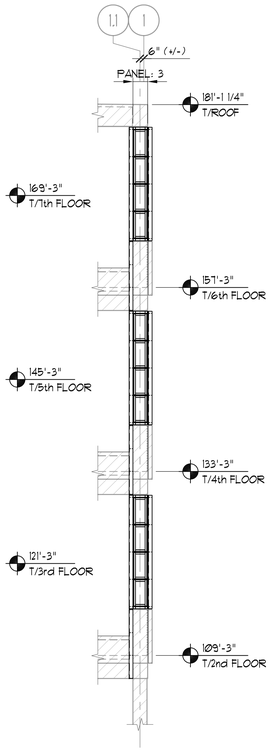
project no:	12002.013

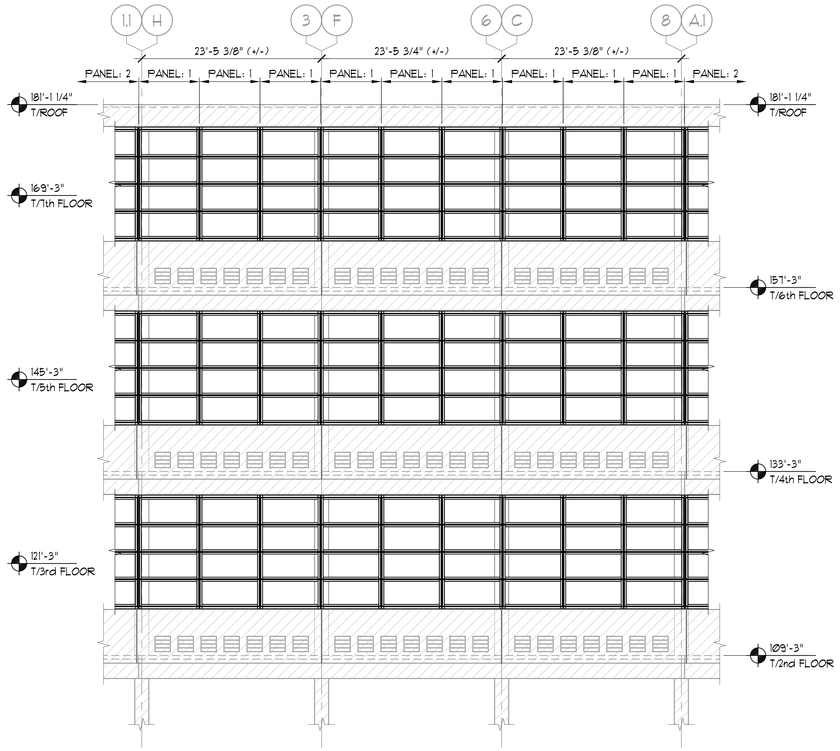
S202



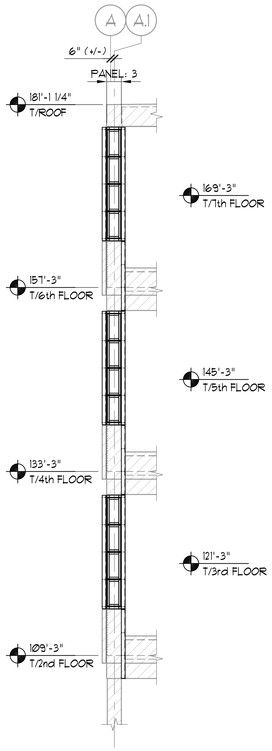
E1 S301 NORTHWEST ELEVATION
scale: 1/8" = 1'-0"



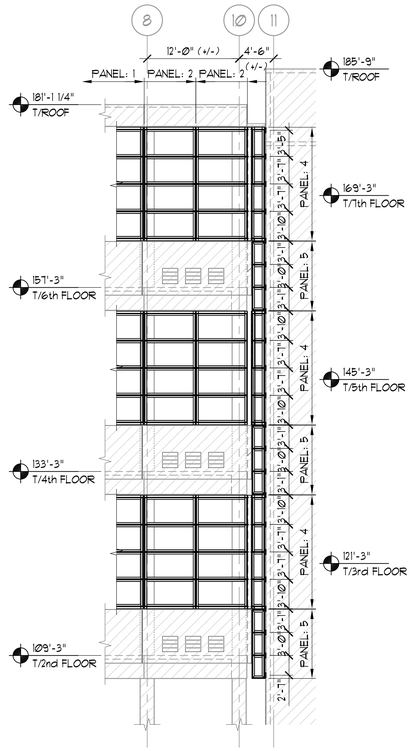
E2 S301 NORTHWEST ELEVATION
scale: 1/8" = 1'-0"



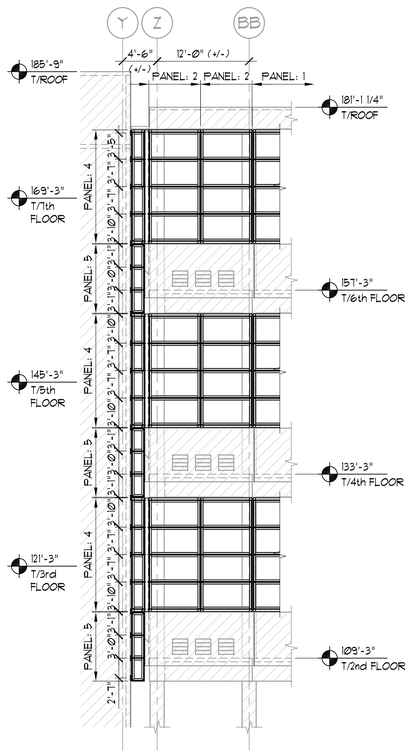
E4 S301 NORTHWEST ELEVATION
scale: 1/8" = 1'-0"



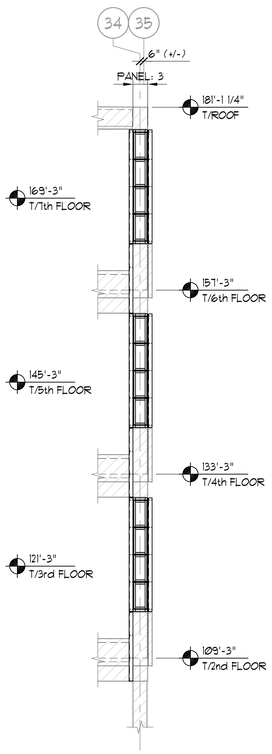
E6 S301 NORTHWEST ELEVATION
scale: 1/8" = 1'-0"



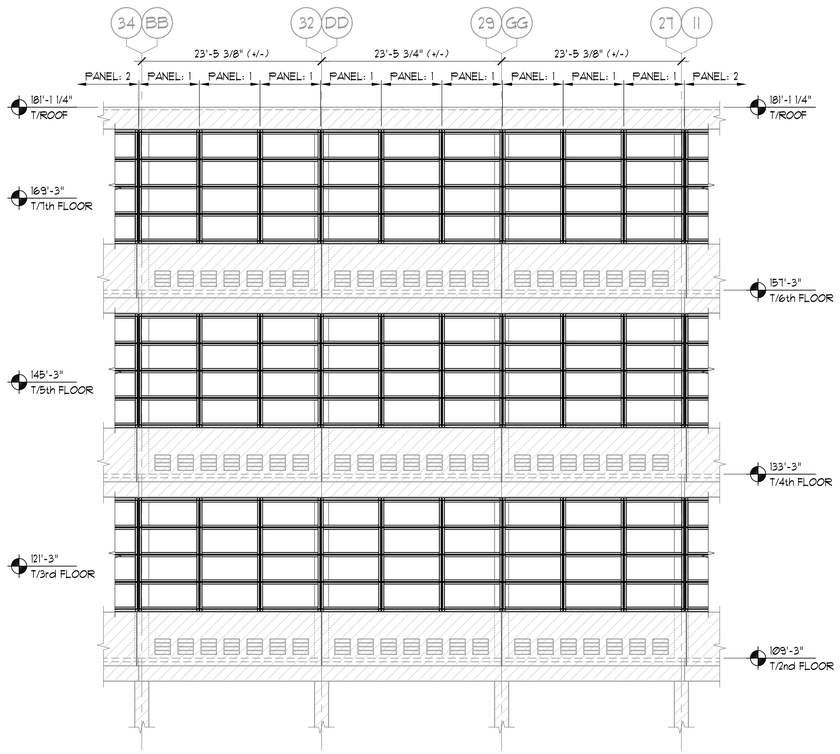
E9 S301 NORTHWEST ELEVATION
scale: 1/8" = 1'-0"



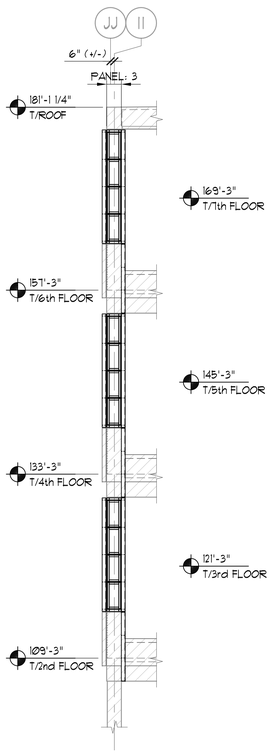
A1 S301 SOUTHEAST ELEVATION
scale: 1/8" = 1'-0"



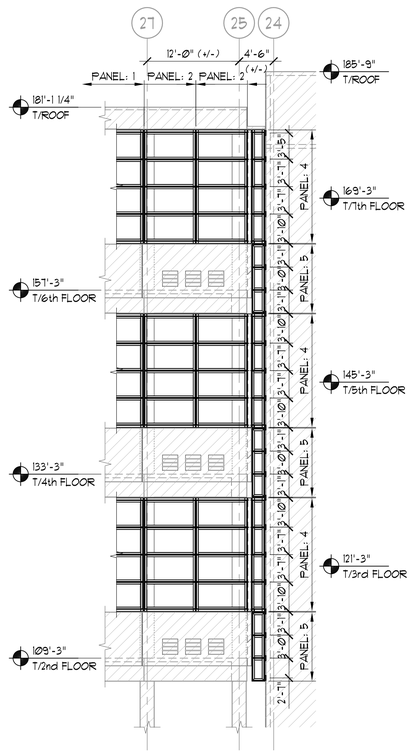
A2 S301 SOUTHEAST ELEVATION
scale: 1/8" = 1'-0"



A4 S301 SOUTHEAST ELEVATION
scale: 1/8" = 1'-0"



A6 S301 SOUTHEAST ELEVATION
scale: 1/8" = 1'-0"



A9 S301 SOUTHEAST ELEVATION
scale: 1/8" = 1'-0"

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Florida Engineering Business Number: 25893
Jamshid Hakimian, P.E. Florida No: 46613

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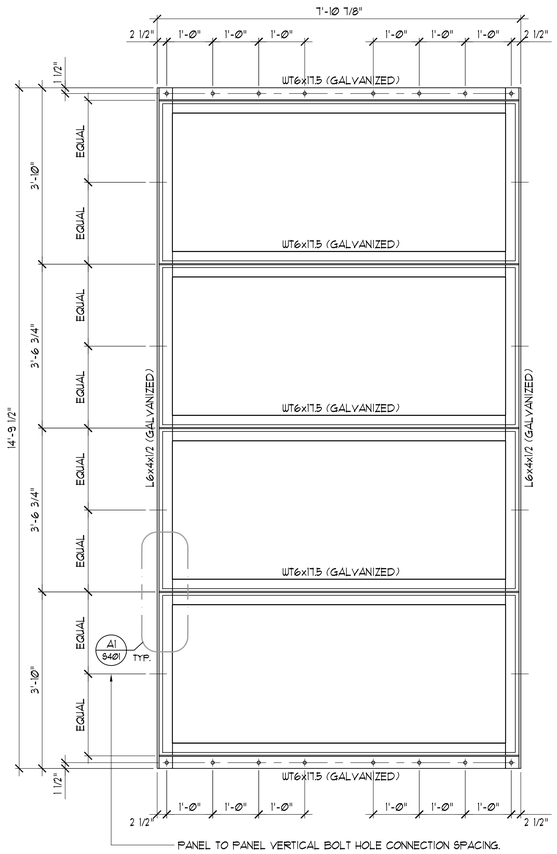
STRUCTURAL EXTERIOR ELEVATIONS

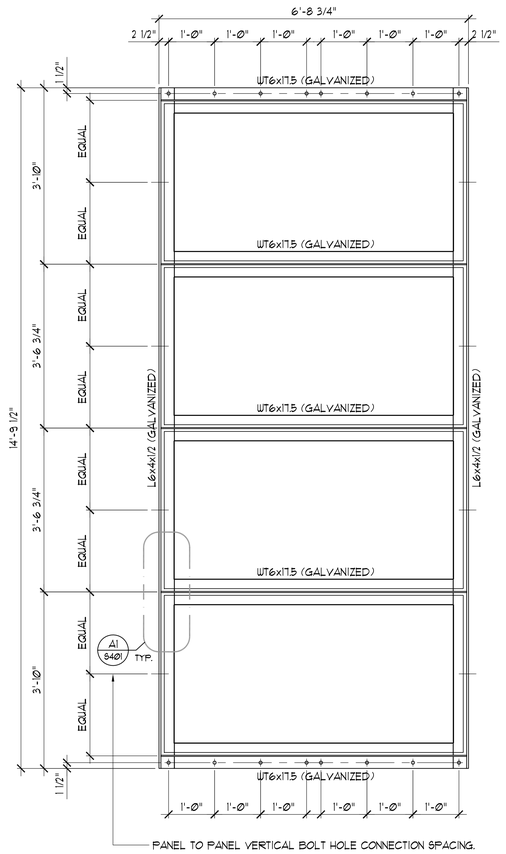
scale:	AS NOTED
drawn:	S.L.
check:	J.H.
date:	09/29/2015
project no:	12002.013

S301



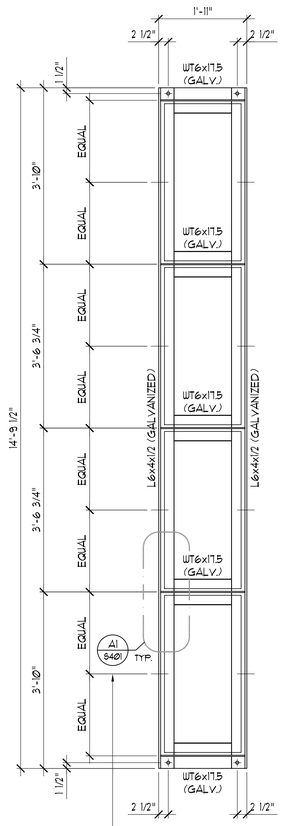
D1 S401 PANEL: 1

scale: 3/4" = 1'-0"



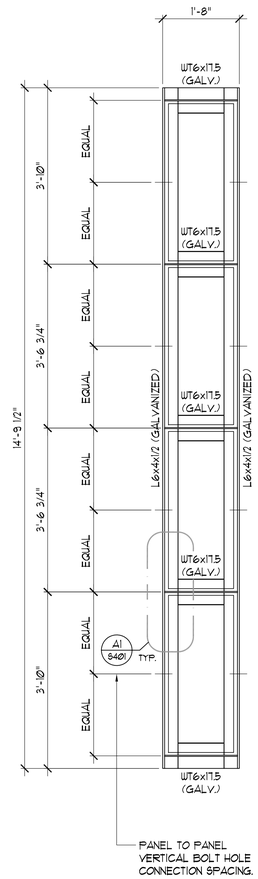
D3 S401 PANEL: 2

scale: 3/4" = 1'-0"



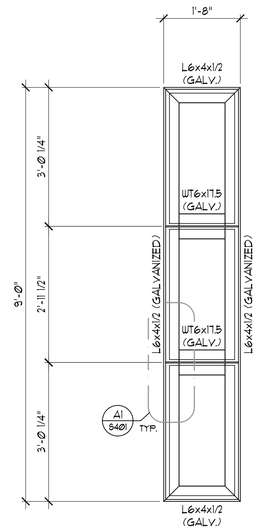
D6 S401 PANEL: 3

scale: 3/4" = 1'-0"



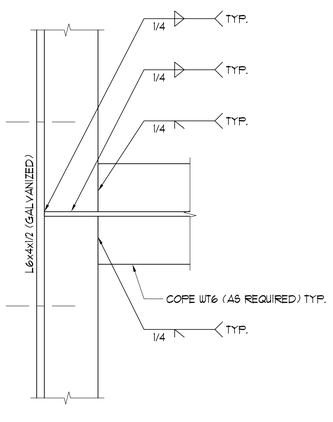
D7 S401 PANEL: 4

scale: 3/4" = 1'-0"



D9 S401 PANEL: 5

scale: 3/4" = 1'-0"



A1 S401 TYPICAL WT6 TO L6x4 SHOP WELDING

scale: 3" = 1'-0"

NOTE #1:
FIELD SURVEY AND VERIFY ALL DIMENSIONS AND THE EXISTING CONDITIONS BEFORE SHOP DRAWING SUBMITTAL AND FABRICATION TYP.

NOTE #2:
REPAIR ALL DAMAGED GALVANIZED STEEL WITH ZINC RICH GALVANIZING REPAIR PAINT (e.g. FIELD WELDING, SCRATCHES, ETC.) TYP.

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PANEL TYPES

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check:	J.H.
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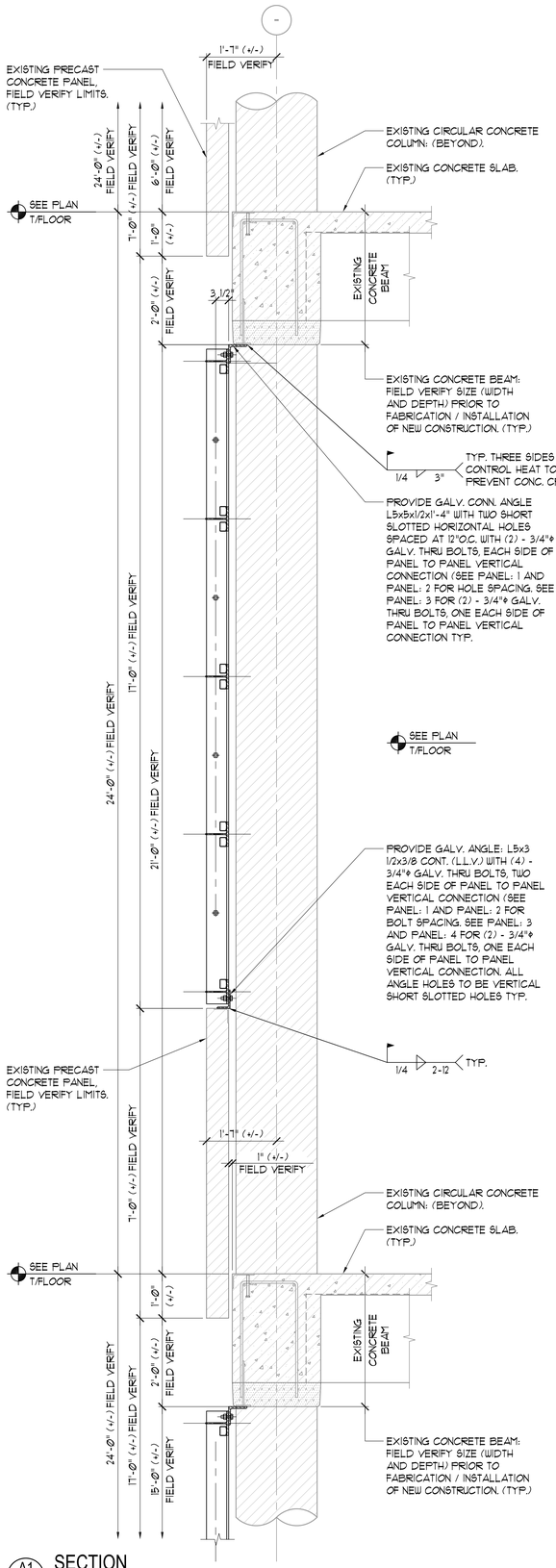
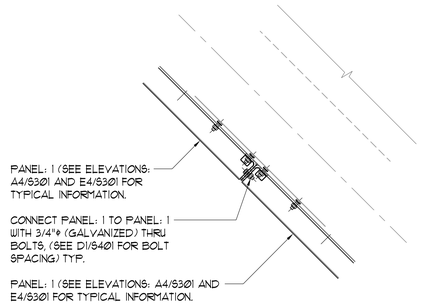
S401



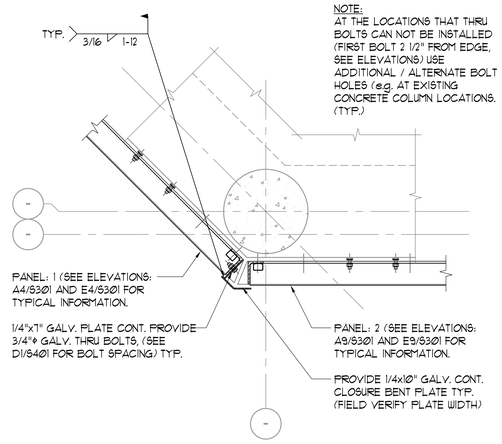
A1 / S402 SECTION

scale: 3/4" = 1'-0"



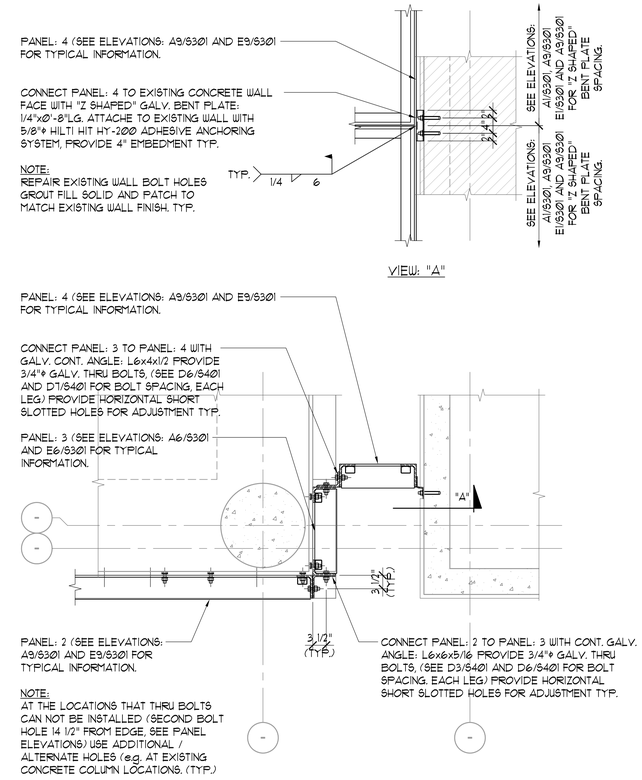
E4 / S402 SECTION

scale: 3/4" = 1'-0"



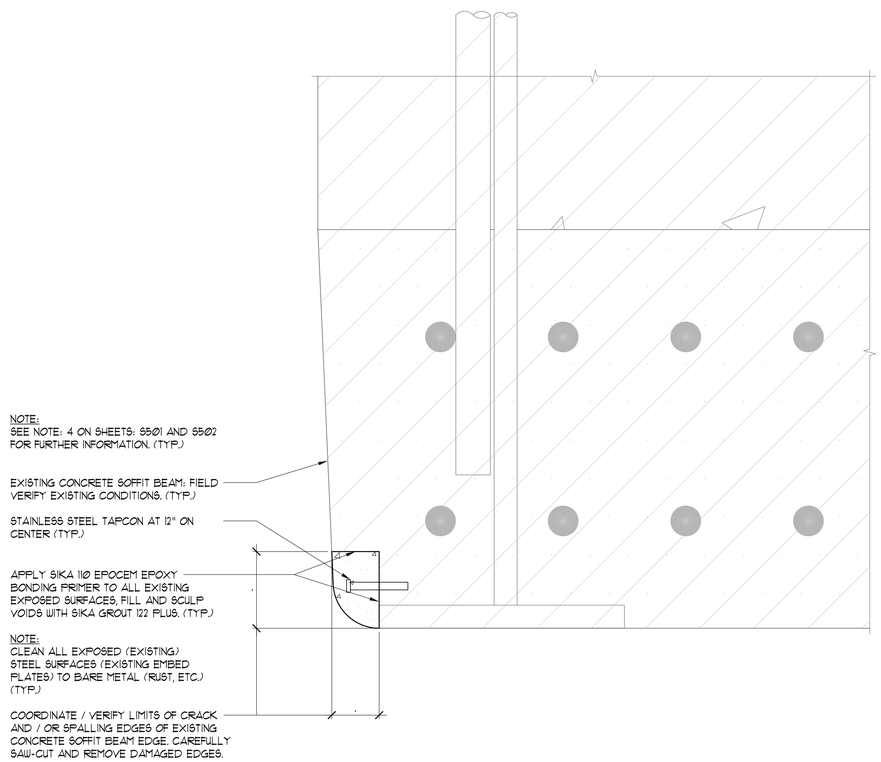
E6 / S402 SECTION

scale: 3/4" = 1'-0"



E8 / S402 SECTION

scale: 3/4" = 1'-0"



A4 / S402 EXISTING CONCRETE BEAM EDGE CRACK AND SPALLING REPAIR DETAIL (TYPICAL)

scale: 12" = 1'-0"

NOTE #1:
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SECTIONS AND DETAILS

scale:	AS NOTED
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check:	J.H.
date:	09/29/2015
project no:	12002.013

S402

SEE PLAN NOTE 1

F1 S501 EXISTING SECURITY PARTIAL SOUTH ELEVATION

scale: N/A

SEE PLAN NOTE 1

F3 S501 EXISTING SECURITY PARTIAL SOUTH ELEVATION

scale: N/A

SEE PLAN NOTE 1

F5 S501 EXISTING SECURITY PARTIAL NORTH ELEVATION

scale: N/A

SEE PLAN NOTE 1

F7 S501 EXISTING SECURITY PARTIAL NORTH ELEVATION

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C1 S501 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C3 S501 CONCRETE CRACK AT BOTTOM OF PRECAST PANEL

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C5 S501 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C7 S501 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A1 S501 1/4"x4"x4" STEEL BENT PLATE CORROSION

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A3 S501 1/4"x5"x5" STEEL ANGLE BRICK SUPPORT CORROSION

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A5 S501 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM

scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A7 S501 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM

scale: N/A

PLAN NOTES:

1. REMOVE ALL EXISTING SECURITY SCREEN SYSTEM, STRUCTURAL STEEL FRAMING, CLIP ANGLES, BENT PLATES, CONT. PLATES, BOLTS, AND ALL WELDS IN ITS ENTIRETY. GROUND EXISTING WELDS TO A SMOOTH FINISH, EXERCISE CARE NOT TO DAMAGE EXISTING CAST-IN-PLACE OR PRECAST CONCRETE OR EMBEDDED STEEL MEMBERS.
2. CLEAN TO BARE METAL ALL EXISTING STRUCTURAL STEEL EMBEDS, PER STEEL STRUCTURES PAINT COUNCIL (SSPC) SPECIFICATION NO. SP11 COMPLETE REMOVAL OF ALL RUST AND SCALE. PAINT ALL EXISTING STEEL EMBEDS WITH ZINC RICH GALV. PAINT.
3. PAINT PER ARCHITECTURAL PAINT SPECIFICATION.
4. REPAIR EXISTING CONCRETE CRACKS AND SURFACE SPALL. CHIP LOOSE CONCRETE WITH A SMALL 15# CHIPPING HAMMER, APPLY SIKA 110 EPOCEM EPOXY BONDING PRIMER TO ALL EXPOSED SURFACES, FILL VOIDS WITH SIKA GROUT 122 PLUS, SCULPTURE AND PAINT TO MATCH EXISTING CONCRETE. FOR PRICING ASSUME TWO HUNDRED (400) LINER FOOT (PROJECT TOTAL) BY 2" WIDE BY 2" DEEP ARE REQUIRED. ALSO PROVIDE A UNIT PRICE PER ONE LF BY 2" WIDE AND 2" DEEP FOR ADDITION / SUBTRACTION OF THIS TYPE OF REPAIR. COORDINATE WITH ARCHITECT FOR ADDITIONAL REQUIREMENTS.

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ASD ADVANCED STRUCTURAL DESIGN
To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010
1265 S. Semoran Blvd. Suite 1201, Winter Park, FL 32792
Phone: 407-677-5636 - Fax: 407-677-5694
Florida Engineering Business Number: 25893
Jamshid Hakimian, P.E. Florida No: 46613

ORANGE COUNTY GOVERNMENT FLORIDA

ORANGE COUNTY
ORANGE COUNTY CORRECTIONS
HORIZON BUILDING
SECURITY SCREEN REPLACEMENT
ORLANDO, FLORIDA

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SEAL

Jamshid Hakimian, P.E.
Florida No: 46613

date	submission/revision	no.

EXISTING CONCRETE RESTORATION

scale:	AS NOTED
drawn:	S.L.
check:	J.H.
date:	09/29/2015
project no:	12002.013

S501

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

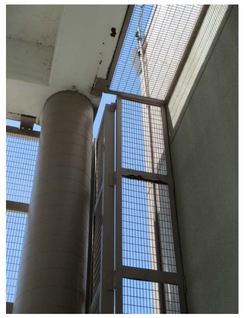
F1 S502 TS 16x4 STEEL TUBE CORROSION AT WALKWAYS
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

F3 S502 EMBED PLATE CORROSION AT BOTTOM OF CAST-IN-PLACE BEAM
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

F5 S502 TS 6x4 STEEL TUBE CORROSION AT WALKWAYS
scale: N/A



SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

F7 S502 TS 6x4 STEEL TUBE CORROSION AT WALKWAYS
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C1 S502 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C3 S502 EMBED PLATE CORROSION AT CONCRETE FLOOR SLAB
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C5 S502 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLCE BEAM
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

C7 S502 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A1 S502 1/4"x4"x4" STEEL BENT PLATE CORROSION
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A3 S502 1/4"x5"x5" STEEL ANGLE BRICK SUPPORT CORROSION
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A5 S502 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLCE BEAM
scale: N/A

SEE PLAN NOTE 1
SEE PLAN NOTE 2
SEE PLAN NOTE 3
SEE PLAN NOTE 4

A7 S502 CONCRETE SPALL AT BOTTOM OF CAST-IN-PLACE BEAM
scale: N/A

PLAN NOTES:

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S502