

MH-1

SEE STANDARD SL-1 FOR APPLICABILITY OF SAFETY SLABS.

NOTE: THE TOP OF MASONRY IS TO BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER AND FRAME TO GRADE BY THE USE OF MORTAR OR BRICK AS DIRECTED BY THE ENGINEER.

NOTE: THE TOP OF MASONRY IS TO BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER AND FRAME TO GRADE BY THE USE OF MORTAR OR BRICK AS DIRECTED BY THE ENGINEER.

FLAT SLAB TOP AS DETAILED ON STANDARD 1-MH-2 MAY BE SUBSTITUTED FOR TAPERED SECTION WHEN APPROVED BY THE ENGINEER.

BEVEL 45°

SECTION B-B

BRICK

CONCRETE OR CONCRETE BLOCK

TABLE OF QUANTITIES

DEPTH FEET	MANHOLE		CONCRETE MANHOLE CU. YARDS
	BRICK THOUSANDS	CONCRETE CU. YARDS	
4	0.5	0.785	1.437
5	0.7	0.785	1.899
6	0.9	0.785	1.981
7	1.0	0.785	2.223
8	1.2	0.785	2.485
9	1.4	0.785	2.747
10	1.6	0.785	3.009
11	1.8	0.970	3.456
12	2.2	0.970	3.817
13	2.5	0.970	4.179
14	2.8	0.970	4.541
15	3.1	0.970	4.903
16	3.4	0.970	5.265
17	4.0	1.173	6.032
INCREMENT	0.45	-	0.582

NOTES:

- QUANTITIES SHOWN ARE FOR MANHOLE WITHOUT PIPES. THE AMOUNT DISPLACED BY PIPES MUST BE DEDUCTED TO OBTAIN TRUE QUANTITIES.
- A BASE THICKNESS OF 8" WAS USED IN COMPUTING CONCRETE QUANTITIES.
- INCREMENTS TO BE ADDED FOR EACH ADDITIONAL FOOT OF DEPTH.
- MATERIALS MAY BE BRICK, CONCRETE OR APPROVED CONCRETE MANHOLE BLOCK.
- IF BLOCKS ARE USED THE MINIMUM THICKNESS OF SAME IS TO BE 8". OTHER THICKNESSES ARE TO CONFORM TO WALL THICKNESS SHOWN FOR CONCRETE.
- ALL CONCRETE TO BE CLASS A3.
- WHEN SPECIFIED ON PLANS THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD IS-1.

MANHOLE FOR 12" - 48" PIPE CULVERTS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 5

106.01

104.01

302

DI-1

1/2 SECTION CAST IRON 1/2 SECTION STEEL

PLAN (Grate Removed)

SECTION B-B COLLAR DETAIL

SECTION A-A

SECTION C-C

SECTION D-D

GRATE DETAIL

APPROXIMATE WEIGHT

Cast Iron

Grate 363 ± 18 lbs

CONCRETE QUANTITIES FOR MIN. DEPTH

12" concrete pipe - 1.440 Cu. Yds. Concrete
15" concrete pipe - 1.528 Cu. Yds. Concrete
18" concrete pipe - 1.620 Cu. Yds. Concrete
24" concrete pipe - 1.817 Cu. Yds. Concrete
Add 0.469 Cu. Yds. per additional foot of depth.

STANDARD DROP INLET

12" - 24" PIPE: MAXIMUM DEPTH (H) = 10'

VIRGINIA DEPARTMENT OF TRANSPORTATION

NOTES:

- DEPTH OF INLET (H) TO BE SHOWN ON PLANS. FOR DEPTH GREATER THAN 10' USE STANDARD DI-1A.
- THE "H" DIMENSION SHOWN ON THE STANDARDS AND SPECIFIED ON THE PLANS WILL BE MEASURED FROM THE INVERT OF THE OUTFALL PIPE TO THE TOP OF THE STRUCTURE. PLAN "H" DIMENSIONS ARE APPROXIMATE ONLY FOR ESTIMATING PURPOSES AND THE ACTUAL DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR FROM FIELD CONDITIONS.
- WHEN SPECIFIED ON THE PLANS THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD IS-1. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
- IN THE EVENT THE INVERT OF THE OUTFALL PIPE IS HIGHER THAN THE BOTTOM OF THE STRUCTURE, THE INVERT OF THE STRUCTURE SHALL BE SHAPED WITH CEMENT MORTAR TO PREVENT STANDING OR PONDING OF WATER IN THE STRUCTURE. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO INLET SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
- STEPS ARE TO BE PROVIDED WHEN H IS 4'-0" OR GREATER. FOR DETAILS SEE STANDARD ST-1.
- THIS ITEM MAY BE PRECAST OR CAST-IN-PLACE.
- #4 x 8" SMOOTH DOWELS AT APPROXIMATELY 12" C-C TO BE PLACED IN ALL AREAS ADJACENT TO ABUTTING CONCRETE TO PREVENT SETTLEMENT. IN LIEU OF DOWELS A 2"x4" NOTCH MAY BE PROVIDED. SEE STANDARD T-DI-3, 4 FOR ALTERNATE DESIGN.
- 3" DIAMETER WEEP HOLE WITH 12"x12" PLASTIC HARDWARE CLOTH 1/4" MESH OR GALVANIZED STEEL WIRE, MINIMUM WIRE DIAMETER 0.03", NUMBER 4 MESH HARDWARE CLOTH ANCHORED FIRMLY TO THE OUTSIDE OF THE STRUCTURE.
- CAST IN PLACE CONCRETE IS TO BE CLASS A3 (3000 PSI). PRECAST CONCRETE IS TO BE 4000 PSI.
- ANY ALTERNATE METHODS OF ANCHORAGE MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED FOR THE CAST IRON LUGS AS SHOWN HEREON.

104.01

233

302

3' MIN.

2' MIN.

12" MIN.

12" MIN.

12"

SPRING LINE OF PIPE

D/4 BUT NOT LESS THAN 4"

COMPACTED EARTH

NOTE: FOR INSTALLATION OF PIPE UNDER EXISTING PAVED SURFACES, BACKFILL OVER PIPE SHALL BE VDOT 21A OR 21B STONE TO PAVEMENT WITH GEOTEXTILE FABRIC AT INTERFACE

SELECTED HAND-PLACED COMPACTED BACKFILL. FOR PLASTIC PIPE, BACKFILL SHALL BE #25 OR #26 AGGREGATE EXTENDING TO 6" ABOVE THE TOP OF THE PIPE.

COMPACTED VDOT #25 OR #26 AGGREGATE BEDDING.

#57 STONE MAY BE USED IN HIGH WATER TABLE AREAS.

UNDISTURBED SOIL

ALL PIPE TRENCHES TO BE EXCAVATED TO 12" BEYOND PIPE ON EACH SIDE OF PIPE.

STORM SEWER TRENCH

N.T.S.

3' MIN.

2' MIN.

12" MIN.

12" MIN.

12"

SPRING LINE OF PIPE

D/4 BUT NOT LESS THAN 4"

COMPACTED EARTH

SELECTED HAND-PLACED COMPACTED BACKFILL

COMPACTED VDOT #10 OR #26 AGGREGATE BEDDING

#57 MAY BE USED IN HIGH WATER TABLE AREAS.

UNDISTURBED SOIL

ALL PIPE TRENCHES TO BE EXCAVATED TO 12" BEYOND PIPE ON EACH SIDE OF PIPE.

HDPE STORM SEWER TRENCH

N.T.S.

CLEANOUT ADAPTER & THREADED PLUG

BACKFILL

GROUND SURFACE

3"

6" VDOT TYPE A3 CONCRETE AT TOP OF BACKFILL IN TRENCH

SET HEIGHT AS REQUIRED

45° BEND

45° BEND

18"

24"

COMPACTED VDOT NO. 26 STONE TO INVERT OF CLEANOUT

ELEVATION

STORM SEWER CLEANOUT WITH BURIED CLEANOUT PLUG

(USE WITH ALL CLEANOUTS IN YARDS)

N.T.S.

REVISIONS

NO.	DESCRIPTION	DATE

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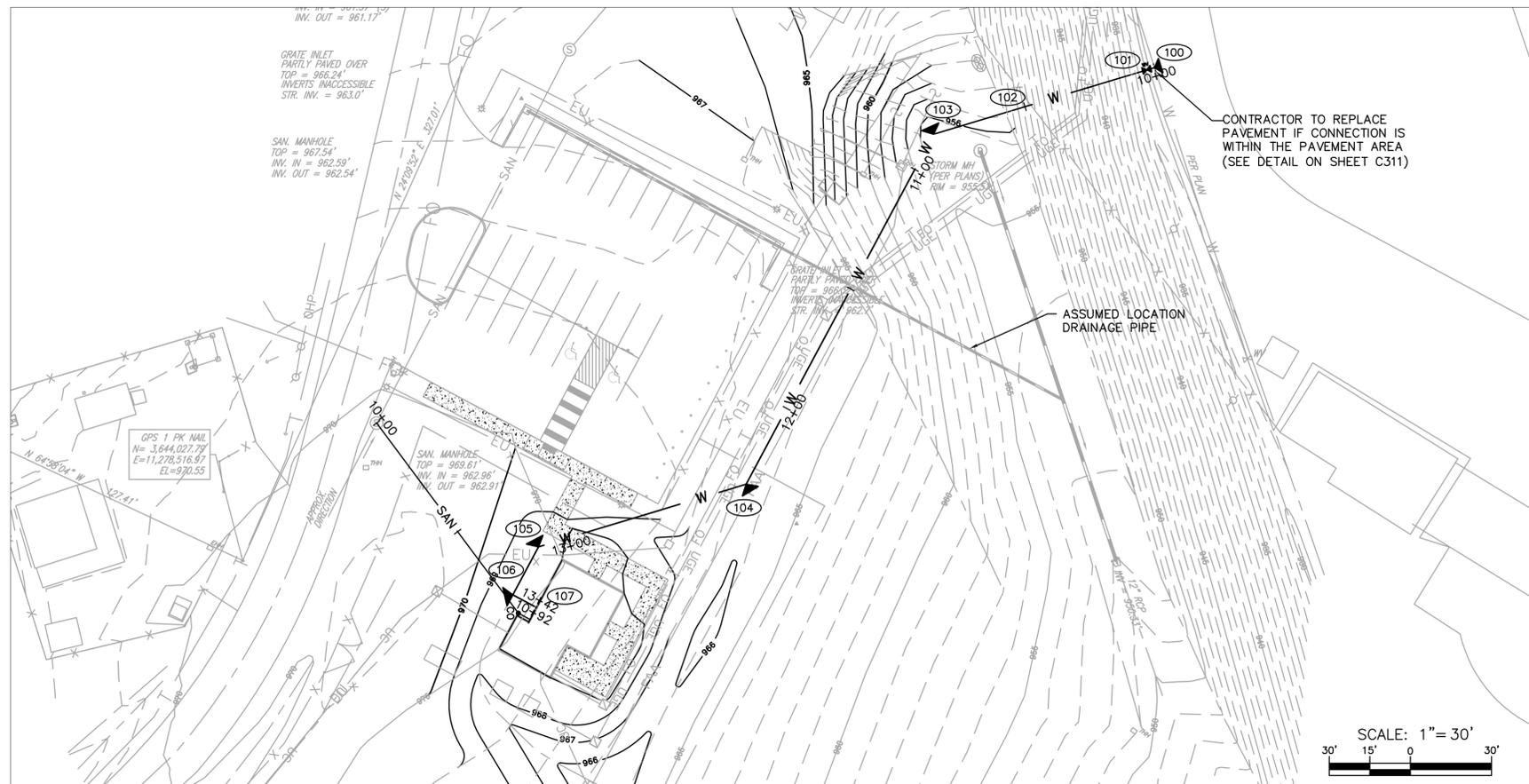
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DESIGNED BY: PSB

AEP PROJECT NUMBER 222-0264-001

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SHEET TITLE



NOTES

1. SEE SHEET C200 FOR DEMOLITION PLAN.
2. SEE SHEET C401 FOR UTILITY PLAN.
3. SEE SHEET C601 FOR ELECTRICAL SITE PLAN.
4. SEE SHEET C402 FOR UTILITY DETAILS.



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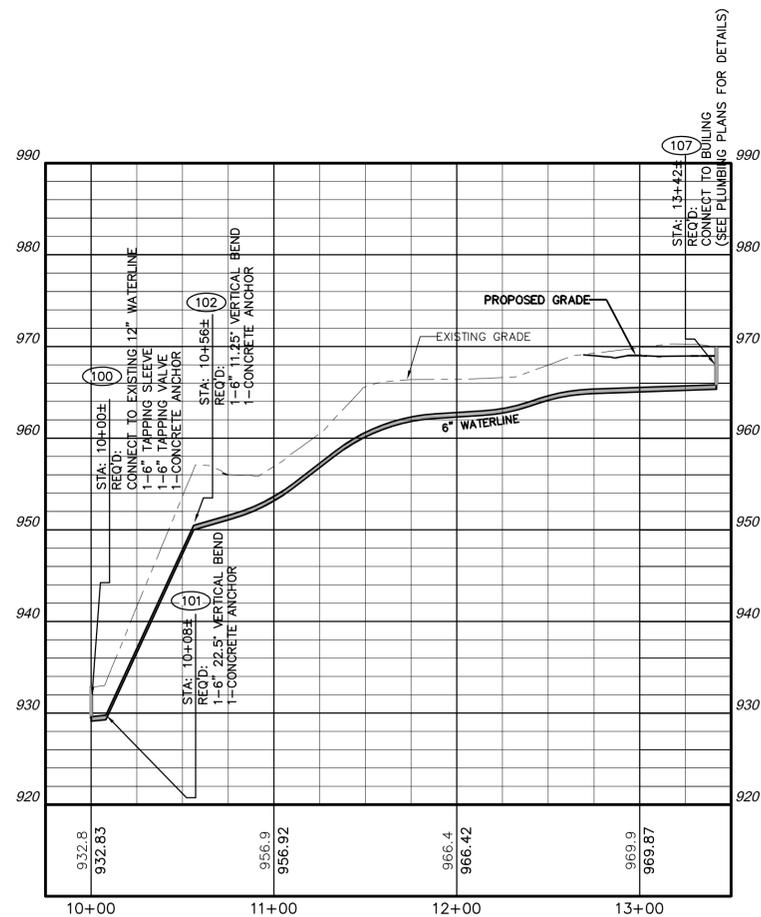
AIR TRAFFIC CONTROL TOWER



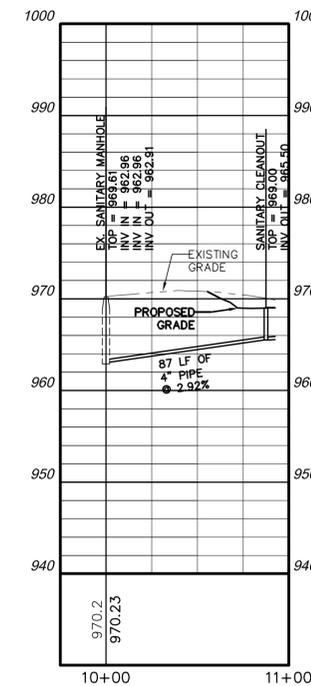
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WATERLINE STRUCTURE SCHEDULE

- STA: 10+00±
REQ'D:
CONNECT TO EXISTING 12" WATERLINE
- 100
1-6" TAPPING SLEEVE
1-6" TAPPING VALVE
1-CONCRETE ANCHOR
- STA: 10+08±
REQ'D:
1-6" 22.5° VERTICAL BEND
1-CONCRETE ANCHOR
- 101
- STA: 10+56±
REQ'D:
1-6" 11.25° VERTICAL BEND
1-CONCRETE ANCHOR
- 102
- STA: 10+85±
REQ'D:
1-6" 45° BEND
1-CONCRETE ANCHOR
- 103
- STA: 12+32±
REQ'D:
1-6" 45° BEND
1-CONCRETE ANCHOR
- 104
- STA: 13+12±
REQ'D:
1-6" 45° BEND
1-CONCRETE ANCHOR
- 105
- STA: 13+32±
REQ'D:
1-6" 45° BEND
1-CONCRETE ANCHOR
- 106
- STA: 13+42±
REQ'D:
CONNECT TO BUILDING
(SEE PLUMBING PLANS FOR DETAILS)
- 107



WATERLINE



SANITARY SEWER

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WARNING!!! THERE ARE A NUMBER OF AIRPORT, PUBLIC UTILITIES AND FAA LIGHTING, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE PROJECT AREA. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY ITEM DAMAGED, CAUSED BY HIS ACTIONS, WITH NO ADDITIONAL COMPENSATION.

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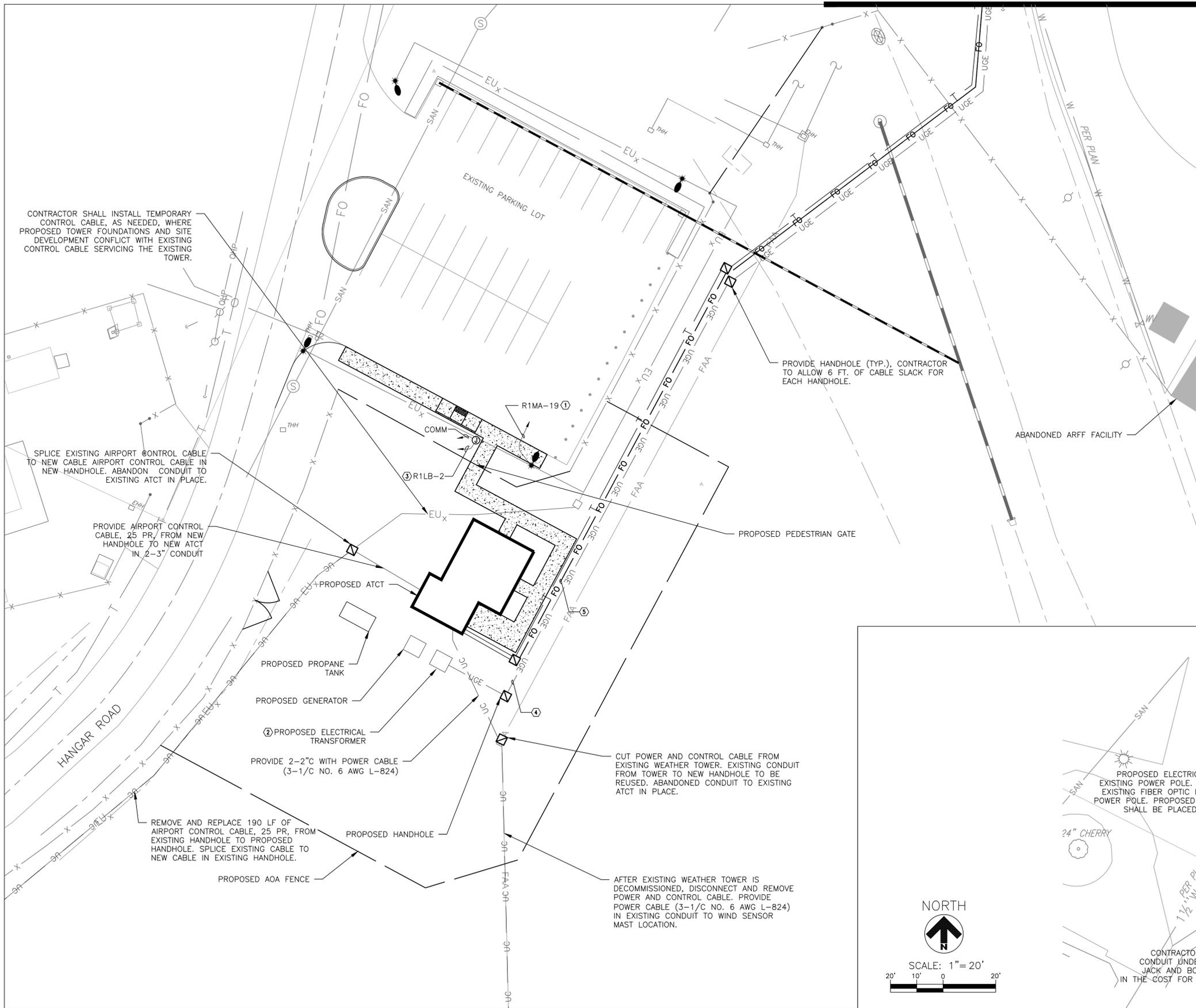
UTILITY PLAN AND PROFILE

SHEET NUMBER

C401

BID DOCUMENTS





GENERAL NOTES

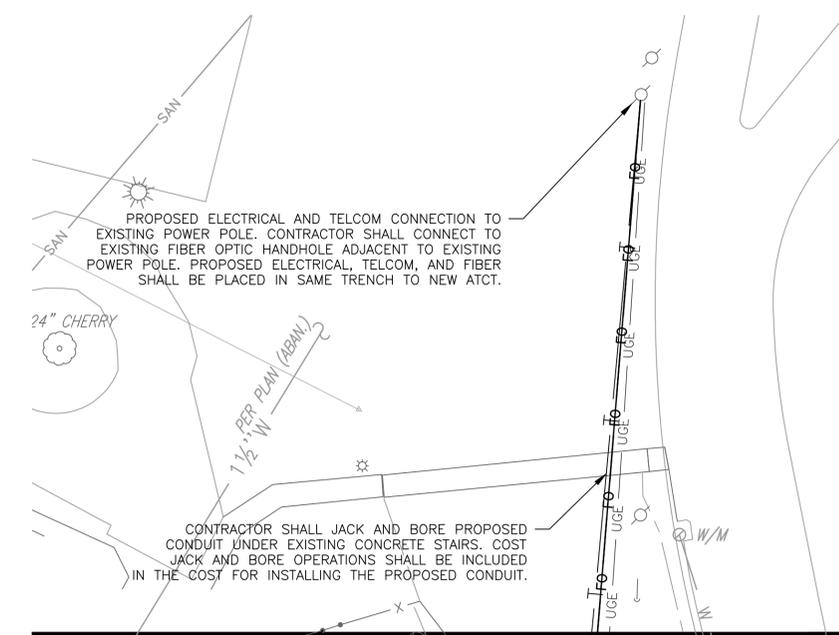
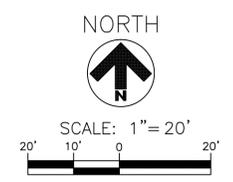
1. SEE SHEET C200 FOR DEMOLITION PLAN.
2. SEE SHEET C401 FOR UTILITY PLAN AND PROFILE.
3. SEE SHEET C301 FOR CIVIL SITE PLAN.
4. EXISTING PARKING LOT LIGHTS SHALL BE RECONNECTED TO NEW ATCT ELECTRIC ROOM. CONTRACTOR TO VERIFY QUANTITY AND SIZE OF CABLE AND MATCH EXISTING.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW WIND SENSOR MAST AND EQUIPMENT WITH FAA'S REMOVAL OF EXISTING MAST AND EQUIPMENT.
6. SEE SHEETS C-602 AND TE-300 FOR WIND SENSOR MAST SITING. CONTRACTOR TO VERIFY EXISTING UNDERGROUND ELECTRICAL PRIOR TO NEW MAST INSTALLATION.
7. SEE SHEET E601 FOR UNDERGROUND FEEDER DETAILS FROM TRANSFORMER AND GENERATOR.
8. CONTRACTOR SHALL COORDINATE WITH APPALACHIAN POWER (AEP) FOR POWER CONNECTION LOCATION AND VERIZON FOR FIBER OPTIC CONNECTION.

KEYED NOTES

- ① RECONNECT EXISTING LIGHTING AND CIRCUIT TO NEW ATCT, CONTROL THRU PHOTOCELL RELAY.
- ② PROVIDE TRANSFORMER PAD PER AEP STANDARDS, INCLUDE BOLLARDS AND GROUNDING, METER BY AEP.
- ③ PROVIDE 2-1.5" C TO PEDESTRIAN ACCESS GATE FOR POWER AND COMMUNICATION. PROVIDE PULLBOX, QUAZITE PG1118DA18 WITH COVER PG1118HH00 OR APPROVED EQUAL.
- ④ PROVIDE 2 - 4" C, 36" DEEP, INSTALL IN DUCTBANK. HANDHOLES SHALL BE COMPATIBLE WITH AEP STANDARDS.
- ⑤ PROVIDE 2 - 3" C FOR TELEPHONE AND COMMUNICATIONS.

LEGEND

- PROPOSED SIDEWALK PAVEMENT
- PROPOSED AOA FENCE
- PROPOSED TELCOM
- PROPOSED UNDERGROUND ELECTRIC AEP
- UNDERGROUND FAA CABLE
- PROPOSED FIBER OPTIC
- PROPOSED HANDHOLE
- EXISTING LIGHTPOLE



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LYNCHBURG REGIONAL AIRPORT
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AIR TRAFFIC CONTROL TOWER

REVISIONS

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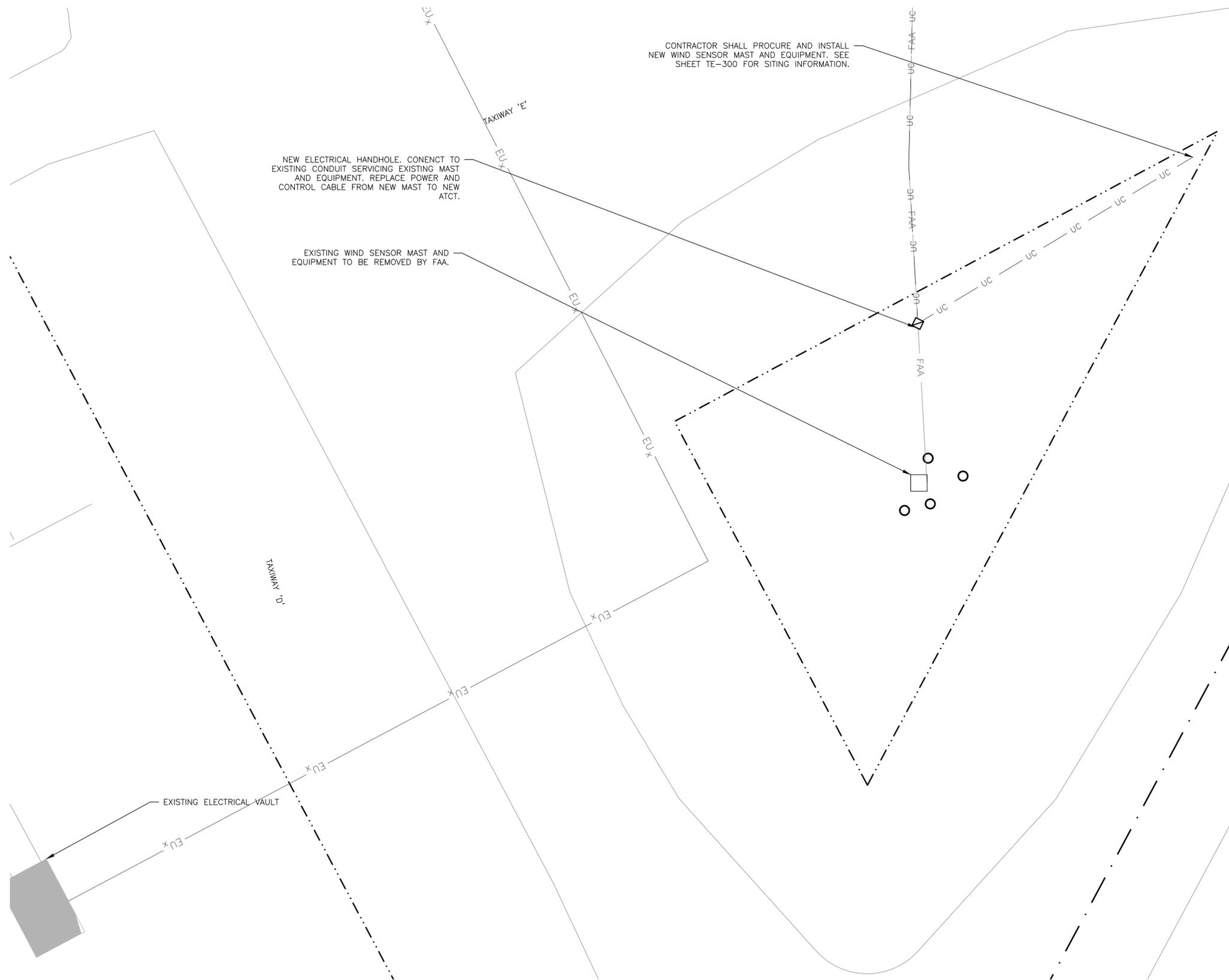
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 SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER
C601

BID DOCUMENTS

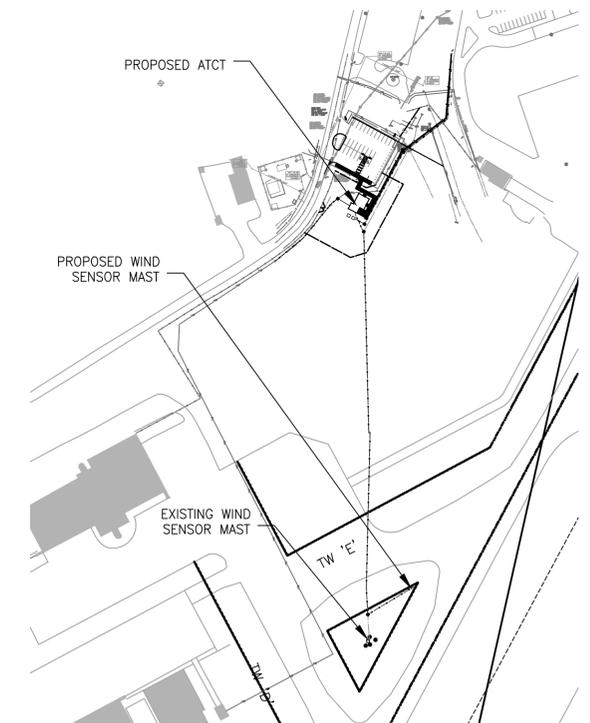


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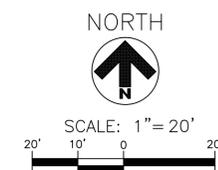
1. SEE SHEET C200 FOR DEMOLITION PLAN.
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4. SEE SHEET TE-300 FOR WIND SENSOR MAST SITING INFORMATION.
5. EXISTING PARKING LOT LIGHTS SHALL BE RECONNECTED TO NEW ATCT ELECTRIC ROOM.
6. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW WIND SENSOR MAST AND EQUIPMENT WITH FAA'S REMOVAL OF EXISTING MAST AND EQUIPMENT.
7. CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH FAA AND AIRPORT PRIOR TO WIND SENSOR MAST INSTALLATION.

LEGEND

-  PROPOSED SIDEWALK PAVEMENT
-  PROPOSED AOA FENCE
-  PROPOSED ELECTRICAL
-  PROPOSED TELCOM



KEY MAP



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AIR TRAFFIC CONTROL TOWER

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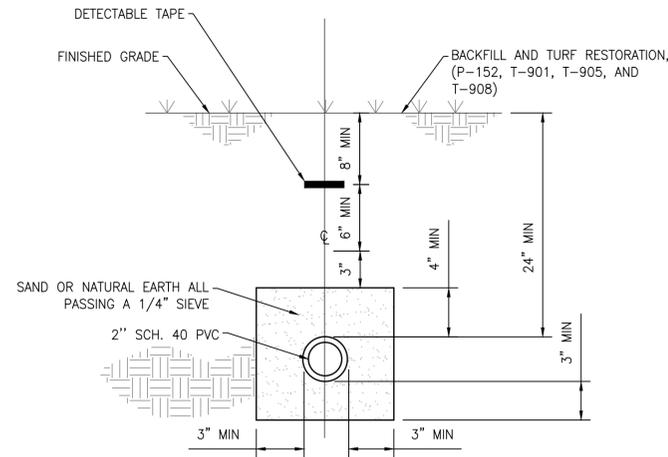
PROPOSED WIND SENSOR MAST SITE PLAN

SHEET NUMBER
C602

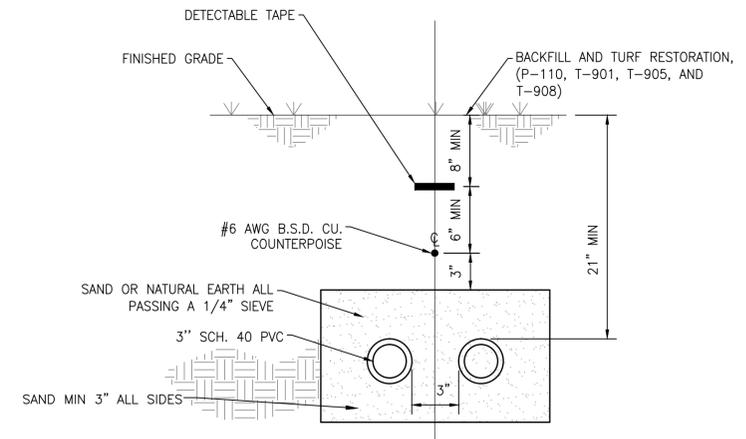
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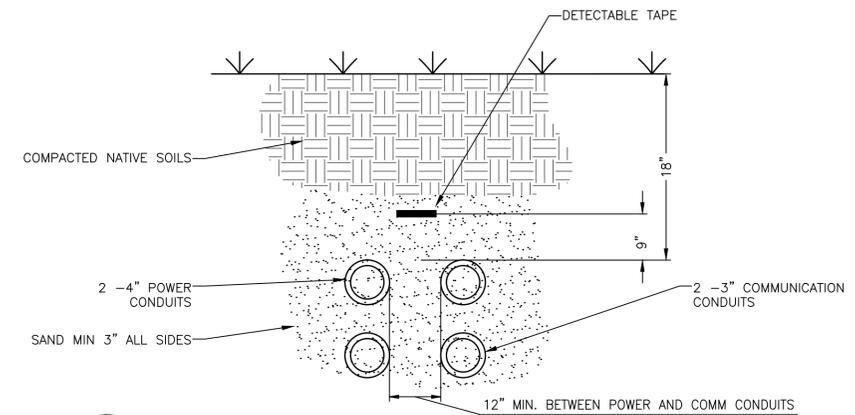
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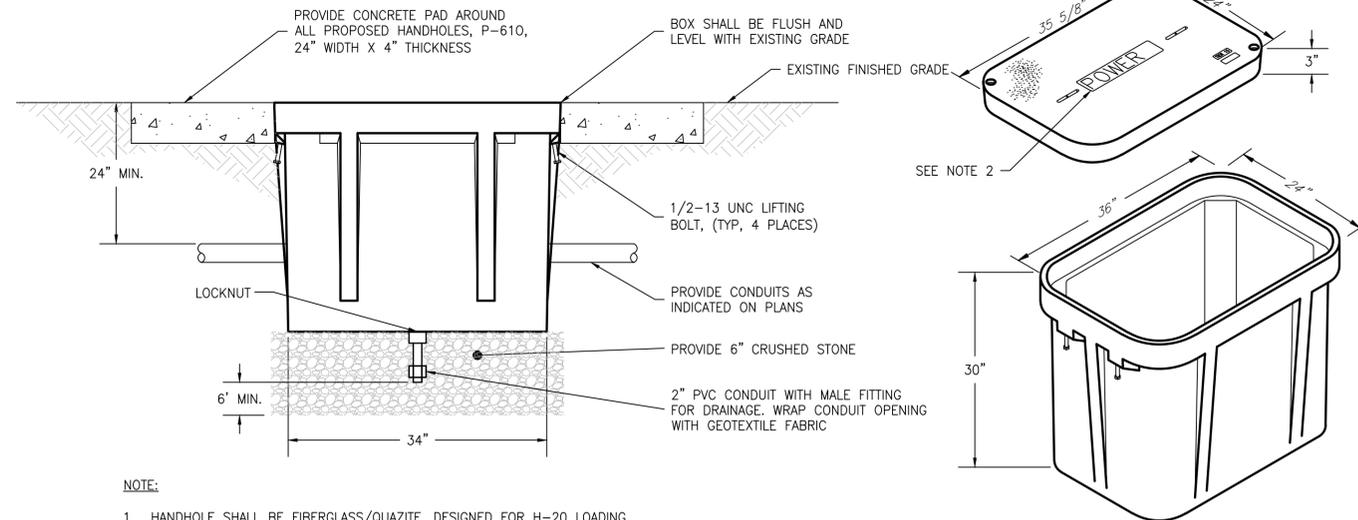
3 1-2' DUCT DIRECT BURIED
SCALE: N.T.S.



4 2-3' DUCT DIRECT BURIED
SCALE: N.T.S.



2 4-WAY DIRECT EARTH BURIED DUCT SECTION
NTS



NOTE:

- HANDHOLE SHALL BE FIBERGLASS/QUAZITE, DESIGNED FOR H-20 LOADING. HANDHOLE SHALL BE QUAZITE CATALOG NO. PG2436DA30 WITH HEAVY-DUTY, LOCKABLE COVER, OR APPROVED EQUAL COVER
- COVER TO BE MARKED:
 - "POWER" FOR ATCT SERVICE CABLING
 - "TELCOM" FOR COMMUNICATION AND FIBER OPTIC

1 VEHICLE-RATED HANDHOLE DETAIL
SCALE: NTS

NOTES:

- THE CONTRACTOR SHALL INSTALL A NYLON PULL WIRE IN EACH UNUSED DUCT OR CONDUIT INSTALLED AND PLUG OR CAP THE DUCT. THE WIRE SHALL BE SECURELY ATTACHED TO THE PLUG/CAP AT EACH END OF THE DUCT OR CONDUIT. NEW PULL WIRES SHALL BE INSTALLED IN EACH UNUSED DUCT OR CONDUIT IN DUCT BANK EXTENSIONS.
- THE CONTRACTOR SHALL INSTALL A PLASTIC COATED, DETECTABLE MAGNETIC TWO(2) INCH WIDE TAPE EIGHT (8) INCHES BELOW TURF GRADE ABOVE ALL DUCTBANKS OR CONDUITS NOT INSTALLED UNDER AIRFIELD PAVEMENT.
- DUCTBANKS SHALL DRAIN TOWARD THE MANHOLES WITH THE CROWN OF THE DUCTBANK MIDWAY BETWEEN MANHOLES. THE DUCT SLOPE SHALL BE 3" PER 100'.
- GRADING, SODDING, AREA RESTORATION, AND DEWATERING FOR THE INSTALLATION OF BASE CANS, MANHOLES, DUCT BANKS OR CONDUITS IS INCIDENTAL TO THE RESPECTIVE PAY ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR AND OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEWATERING.
- THE P-610 CONCRETE AROUND CONDUITS, DUCTS AND BASE CANS SHALL BE COMPLETELY CONSOLIDATED BY MECHANICAL MEANS AND SHALL BE FREE OF ANY VOIDS.
- TRENCHING, BACKFILL, ASPHALT, LIME ROCK, COMPACTED SUBGRADE AND SAW-CUTTING IS INCLUSIVE OF THE CONDUIT / DUCTBANK PAY ITEM

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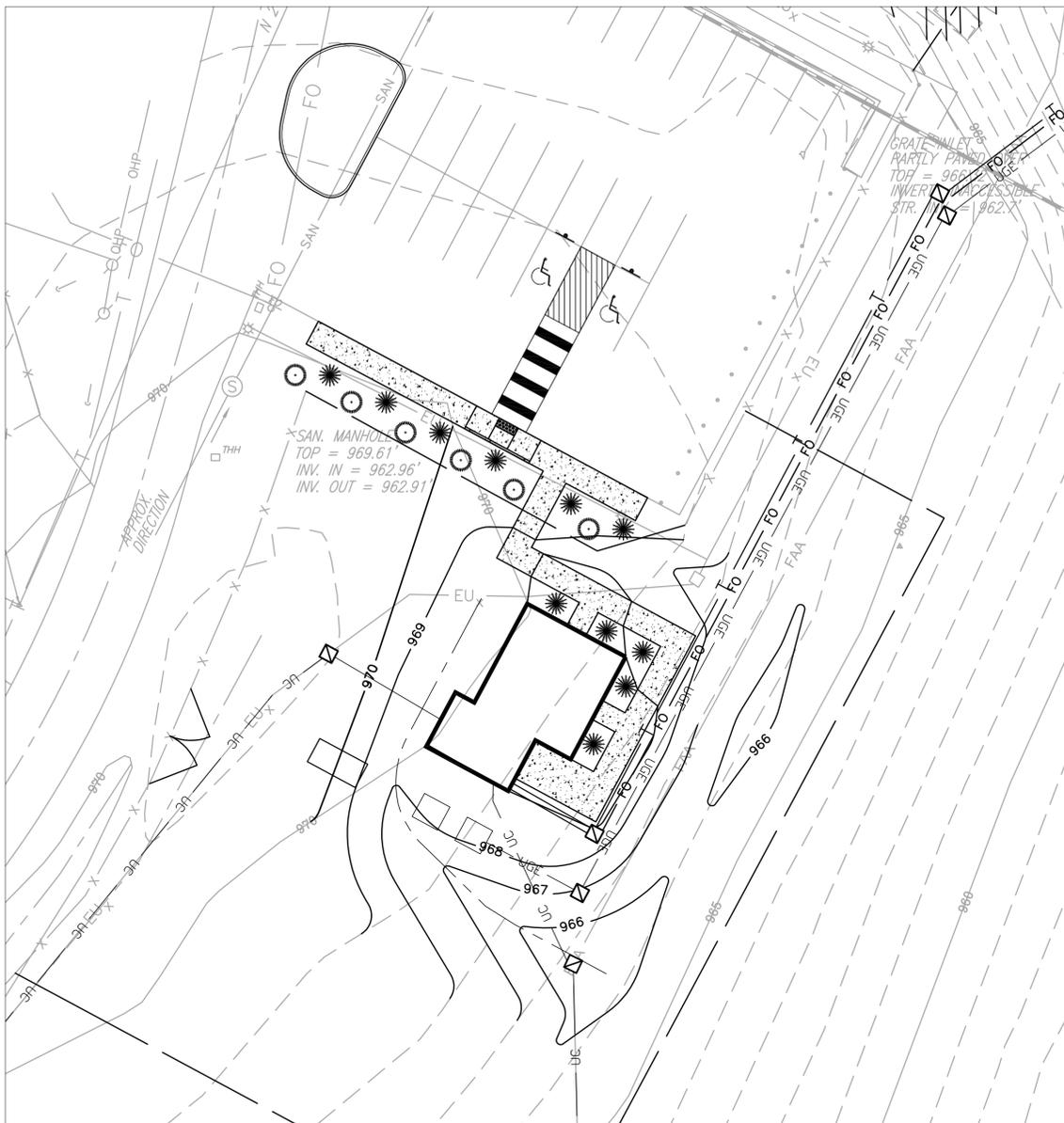
SHEET TITLE

AIRFIELD ELECTRICAL DETAILS

SHEET NUMBER

C611

BID DOCUMENTS



LANDSCAPE SCHEDULE

SHRUBS:	NAME:	QUANTITY	GAL./HEIGHT
☼	CRIMSON PYGMY BARBERRY (BERBERIS THUNBERG)	11	3' GAL.
⊙	CHINESE HOLLY (MALE VERSION ONLY) (ILEX CORNUTA BURFORDI NANA)	6	3' GAL.

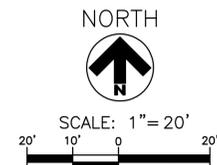
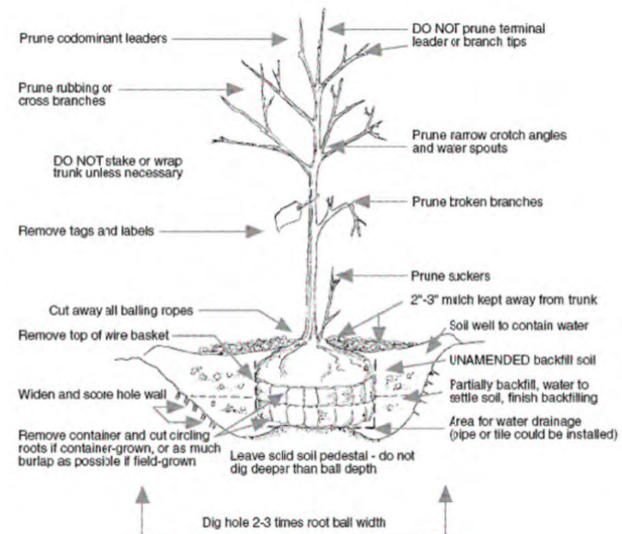
PLANTING, FERTILIZING, AND WATERING SCHEDULE FOR PERIOD OF ONE YEAR AFTER INSTALLATION:

PLANT TREES, SHRUBS AND GROUNDCOVERS AS PER THE PLANTING DETAIL. PLANT EVERGREEN MATERIALS BETWEEN SEPTEMBER 1 AND DECEMBER 1 OR IN SPRING BEFORE NEW GROWTH BEGINS. PLANT DECIDUOUS MATERIALS IN A DORMANT CONDITION. IF OWNER REQUIRES PLANTING AT OTHER TIMES, PLANTS SHALL BE SPRAYED WITH ANTI-DESICCANT PRIOR TO DIGGING.

WATER PLANTINGS HEAVILY ONCE A WEEK DURING PERIODS OF INADEQUATE RAINFALL. WATER SLOWLY AND ALLOW WATER TO REACH TOP OF PLANT SAUCER. CHECK SOIL MOISTURE WITH AN APPROPRIATE INSTRUMENT PRIOR TO WATERING TO PREVENT OVER WATERING.

INCORPORATE SLOW RELEASE FERTILIZER, PREFERABLY COMPOSED OF 25-50% WATER INSOLUBLE NITROGEN (WIN) INTO THE SOIL BACKFILL AT PLANTING TIME. IF, DURING THE GROWING SEASON, GROWTH SEEMS SLOW OR COLOR IS PALER THAN NORMAL HAVE SOIL TESTED AND FERTILIZE AS PER RESULTING RECOMMENDATIONS.

SOIL AMENDMENTS. WHEN EXISTING SOIL ON SITE IS NOT ADEQUATE TO SUPPORT VIGOROUS GROWTH, PROVIDE PLANTING MIXTURE CONSISTING OF 5 PARTS EXISTING SOIL TO 1 PART PEAT MOSS AND 1 LB. OF PLANT FERTILIZER FOR EACH CUBIC YARD OF MIXTURE OR EQUIVALENT.



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AEP PROJECT NUMBER
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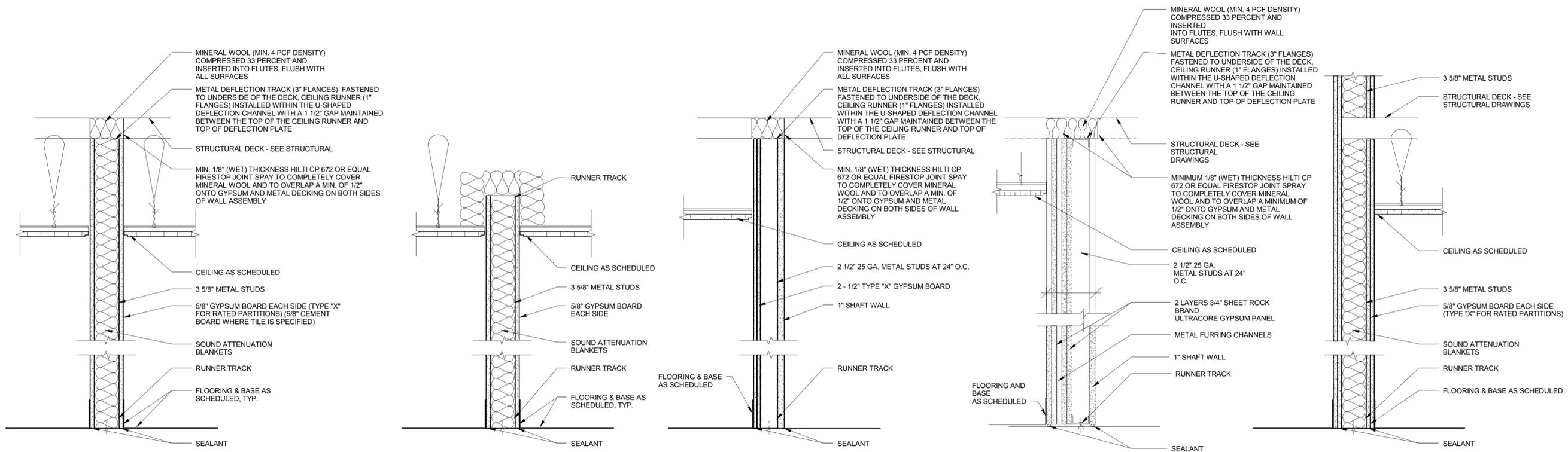
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 SHEET TITLE

LANDSCAPE PLAN

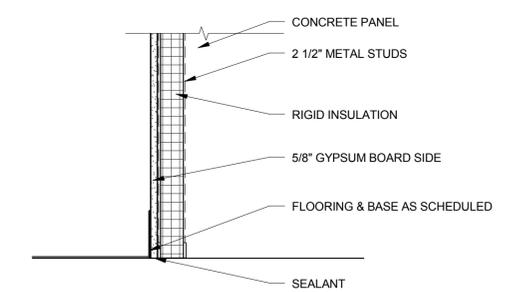
SHEET NUMBER
C701

BID DOCUMENTS

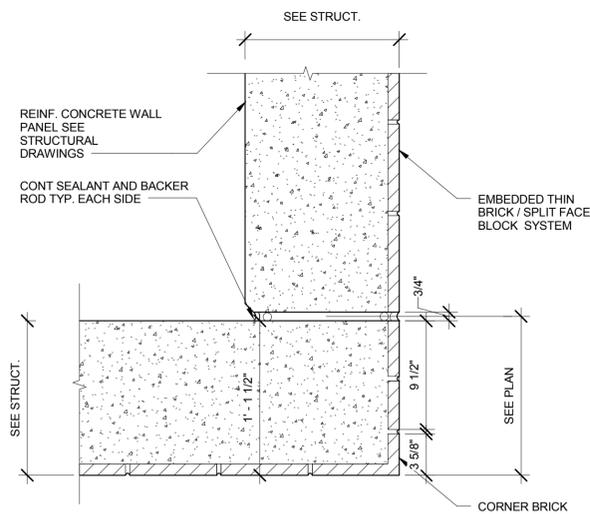
AIR TRAFFIC CONTROL TOWER



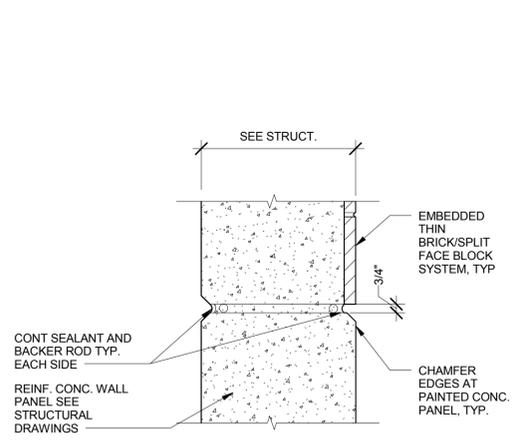
1 HR. RATED TEST REF: UL U465
 TYPE 1B - 6\"/>



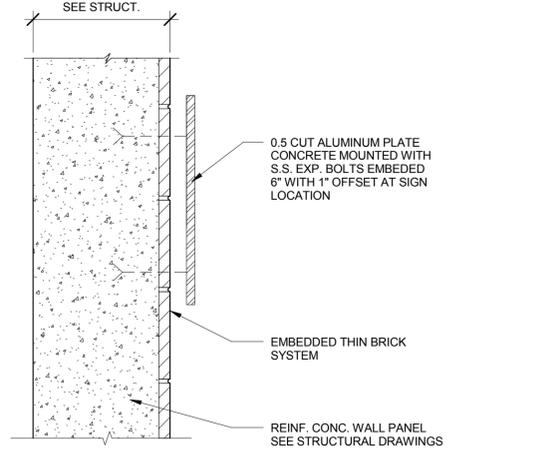
5 PARTITION TYPE



2 REVEAL LAYOUT PLAN DETAIL
 A-002 SCALE: 1 1/2\"/>



1 PANEL SECTION DETAIL, TYP.
 A-002 SCALE: 1 1/2\"/>



3 CONCRETE PANEL DETAIL
 A-002 SCALE: 1 1/2\"/>

REVISIONS		
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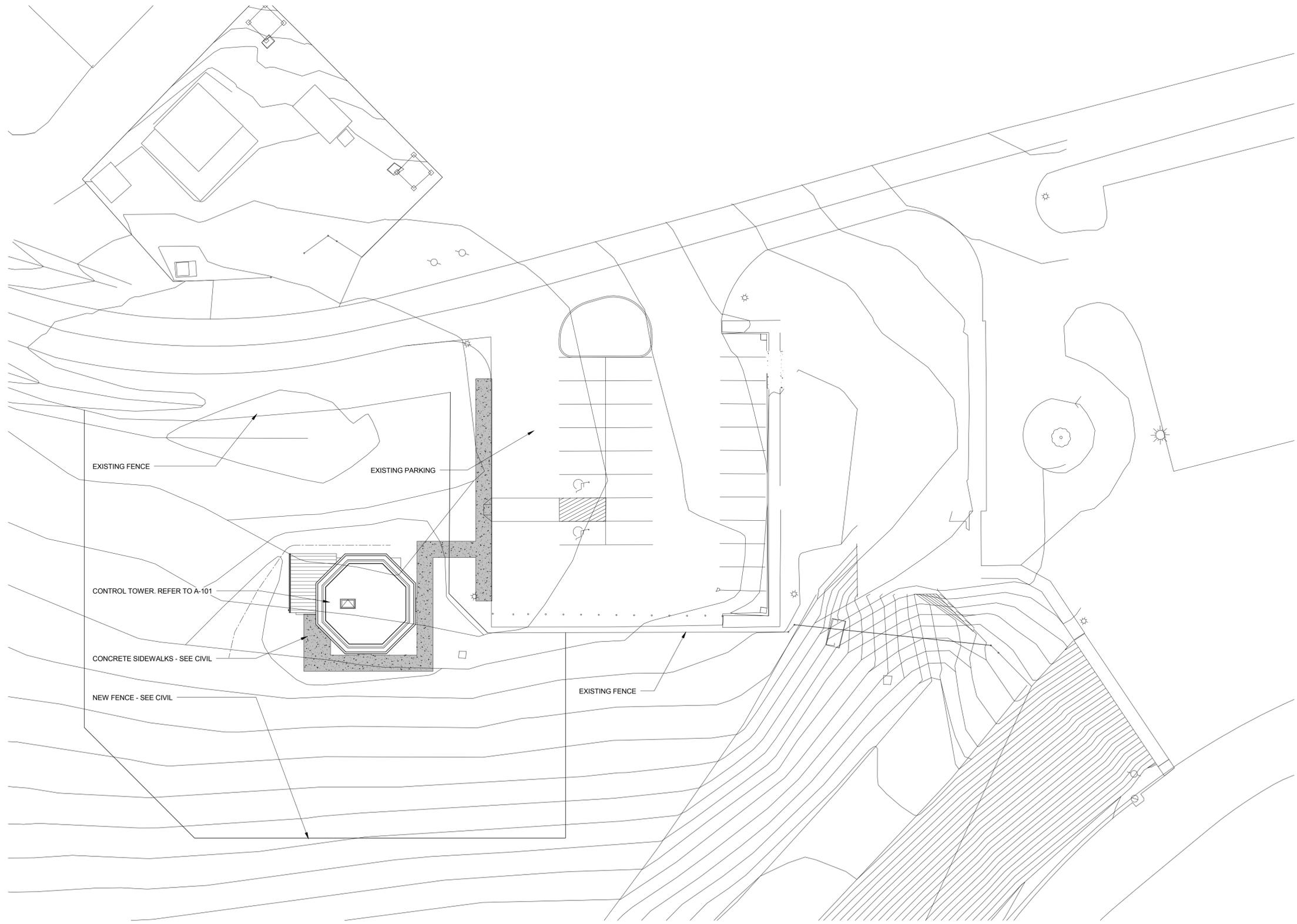
DATE ISSUED: AUGUST 12, 2015
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 DRAWN BY: LS/MK
 DESIGNED BY: LS

AEC PROJECT NUMBER
 222-0264-001
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SHEET TITLE
PARTITION TYPES

SHEET NUMBER
A-002

BID DOCUMENTS



TRUE

 1
 A-100
SITE PLAN
 SCALE: 1" = 20'-0"



Reynolds, Smith and Hills, Inc.
 909 N Washington Street, Suite 330
 Alexandria, Virginia 22314
 703-549-2472 FAX 703-549-2582
 www.rsandh.com
 Alexandria VA - Virginia Registration No. 0411-000594



4308 WARDS ROAD
 SUITE 100
 LYNCHBURG, VA
 24502

**AIR
 TRAFFIC
 CONTROL
 TOWER**

REVISIONS

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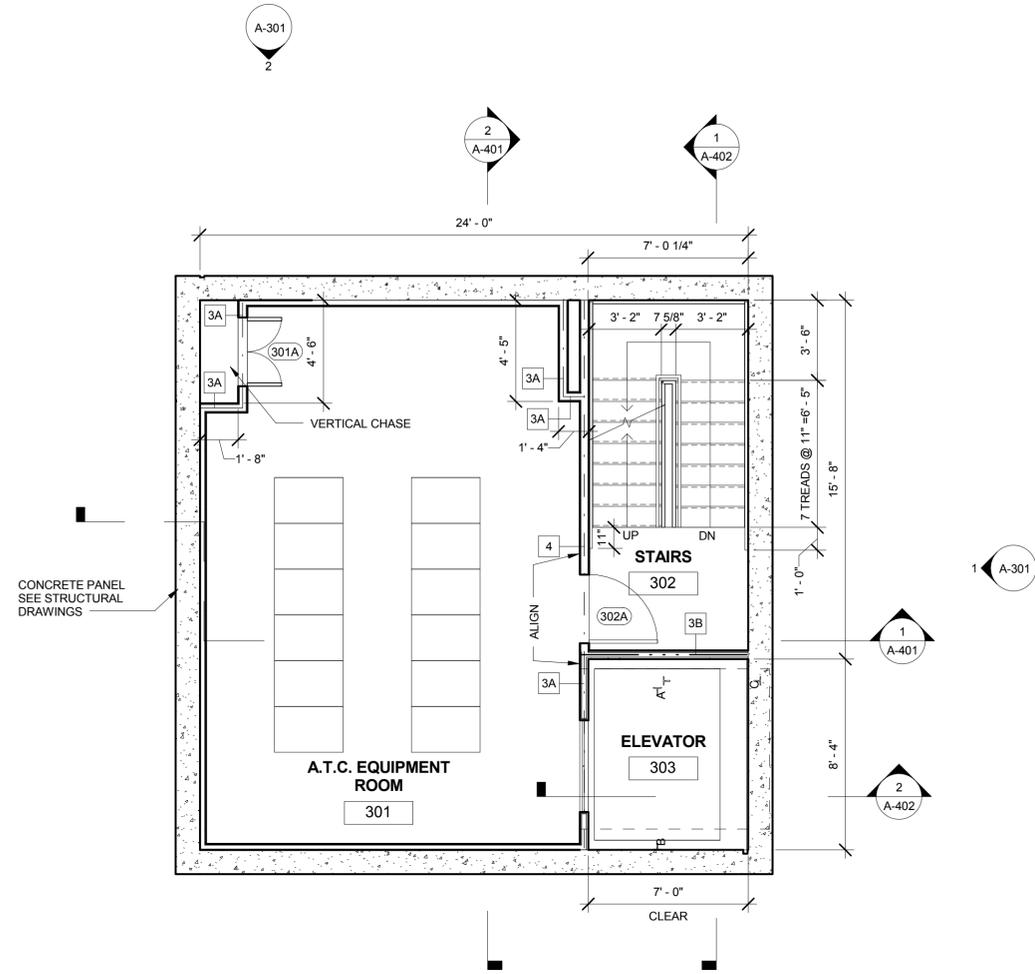
SHEET TITLE
**ARCHITECTURAL
 SITE PLAN**

SHEET NUMBER
A-100

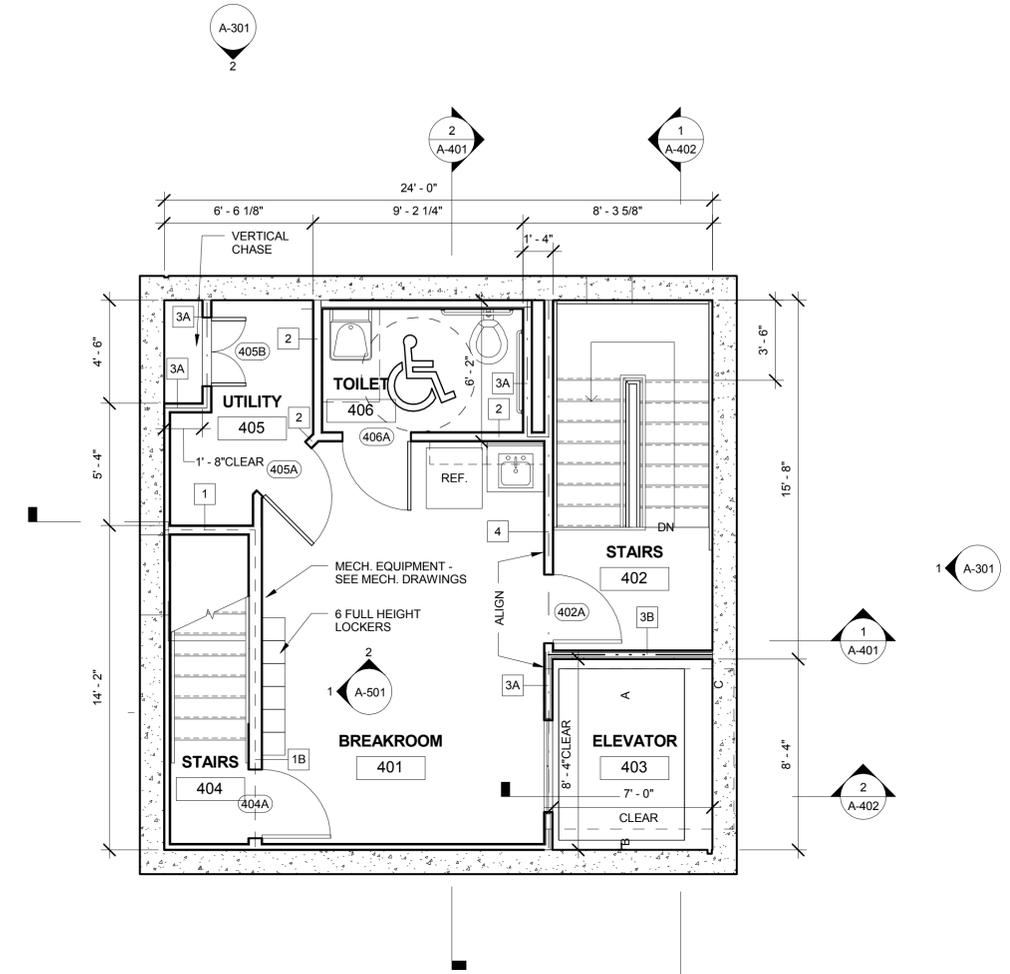
BID
 DOCUMENTS

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AIR TRAFFIC CONTROL TOWER



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



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

TOILET ROOMS 406 ACCESSORIES SCHEDULE				
ITEM	MANUFACTURER	MODEL NO.	DESCRIPTION	
1	AMERICAN SPECIALTIES	0600	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME, 24"x42"	
2	GEORGIA PACIFIC	53254	PACIFIC GARDEN SOAP SANITIZER & LOTION DISPENSER, BRUSHED TAINLESS	
3	AMERICAN SPECIALTIES	7340-S	SINGLE ROBE HOOK, SATIN #4 STAINLESS STEEL	
4	AMERICAN SPECIALTIES	3201	1-1/2" DIAMETER (X 18"L., 36"L., AND 42"L.), STAINLESS STEEL GRAB BAR W/ FLANGES FOR CONCEALED MOUNTING. SEE SHEET A01 FOR DIMS.	
5	GEORGIA PACIFIC	59486	ENMOTION RECESSED AUTOMATED TOUCHLESS TOWEL DISPENSER, STAINLESS STEEL	
6	AMERICAN SPECIALTIES	0030	SURFACE MOUNTED DUAL ROLL TISSUE DISPENSER 6"x12"x6 1/2"	
7	RUBBERMAID	2957	PLASTIC WASTEBASKET, BLACK, 41 1/4 QT. QUANTITY: 2 UNITS	

MANUFACTURER INFORMATION (BASIS OF DESIGN):
 1. AMERICAN SPECIALTIES: AMERICAN SPECIALTIES, INC, 441 SAW MILL RIVER ROAD, YONKERS, NY 10701-4913, [HTTP://WWW.AMERICANSPECIALTIES.COM](http://www.americanspecialties.com)
 2. GEORGIA PACIFIC: GEORGIA-PACIFIC, 1-877-377-2737, [HTTP://WWW.GP.COM](http://www.gp.com)
 3. GLOBAL STEEL PRODUCTS CORP. 2171 LIBERTY HILL ROAD, EASTANOLLEE, GEORGIA 30538, TELEPHONE: 706-827-2700 <http://www.globalpartitions.com/contact-us.html>

NOTE: TOILET ACCESSORIES FOR ROOMS 406



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 SHEET TITLE

THIRD AND FOURTH FLOOR PLANS

SHEET NUMBER
A-102

BID DOCUMENTS

AIR TRAFFIC CONTROL TOWER

REVISIONS		
NO.	DESCRIPTION	DATE

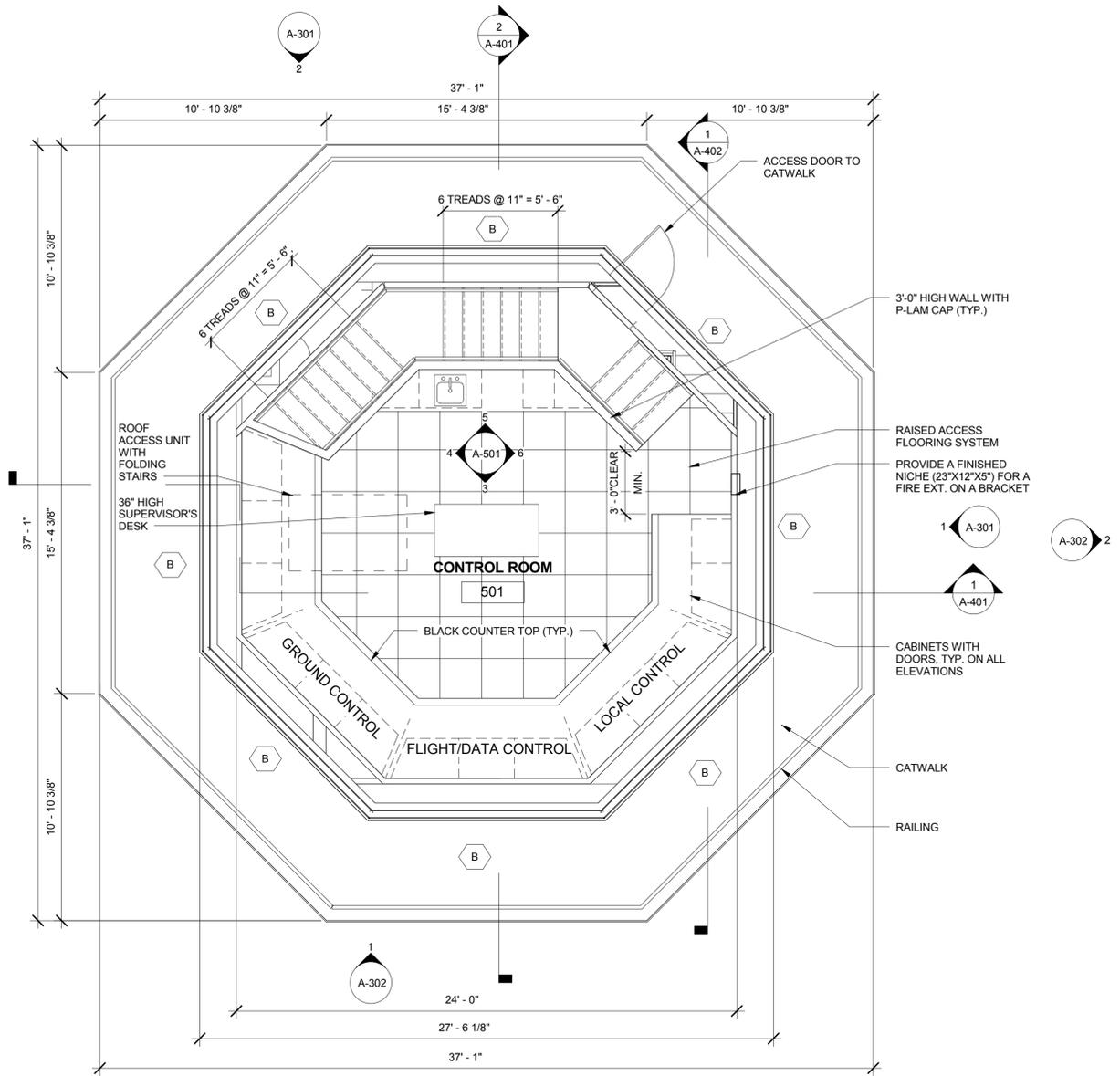
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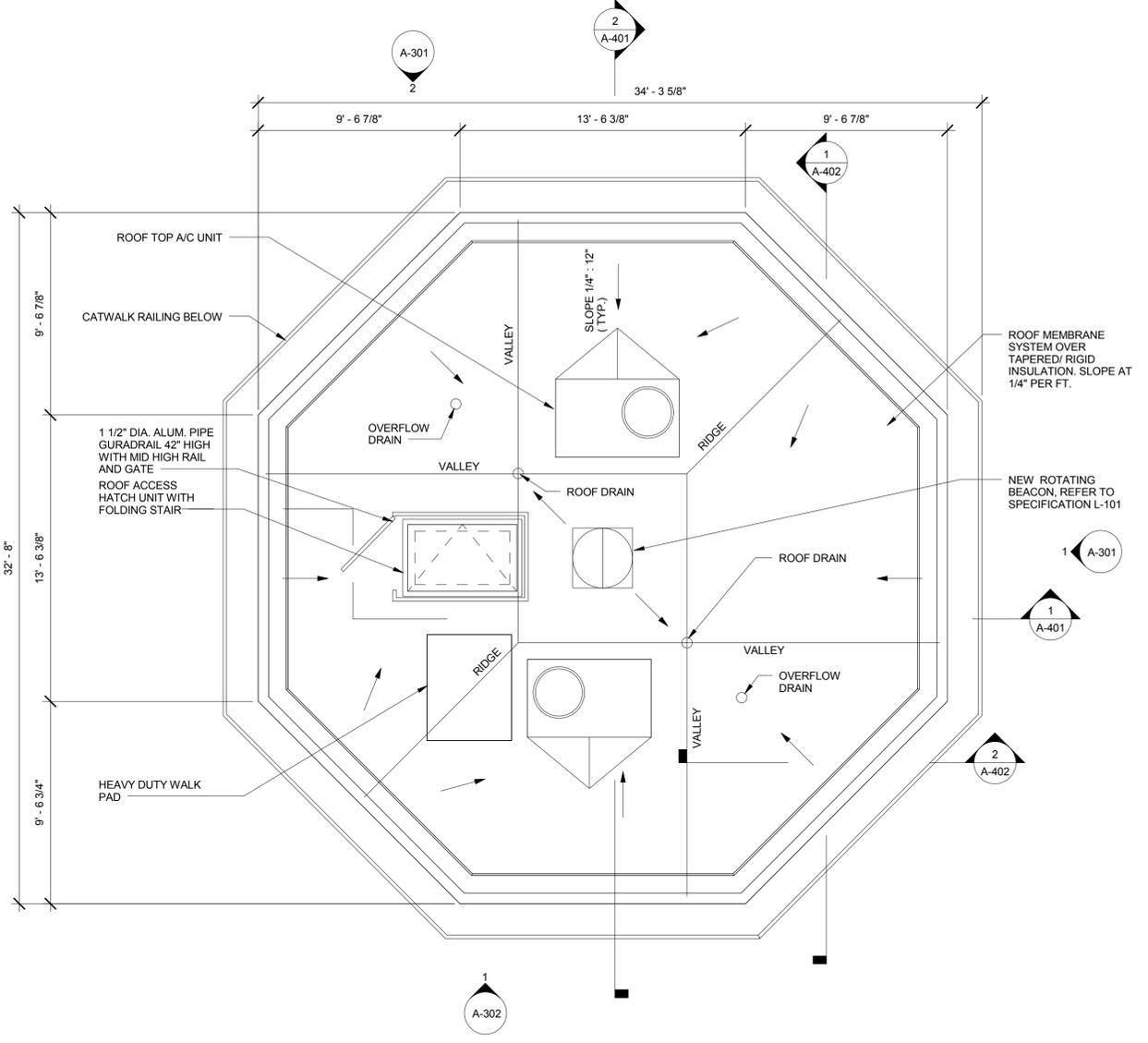
SHEET TITLE
CONTROL ROOM FLOOR AND ROOF PLANS

SHEET NUMBER
A-103

BID DOCUMENTS



TRUE
 1 A-103
CONTROL ROOM FLOOR PLAN
 SCALE: 1/4" = 1'-0"



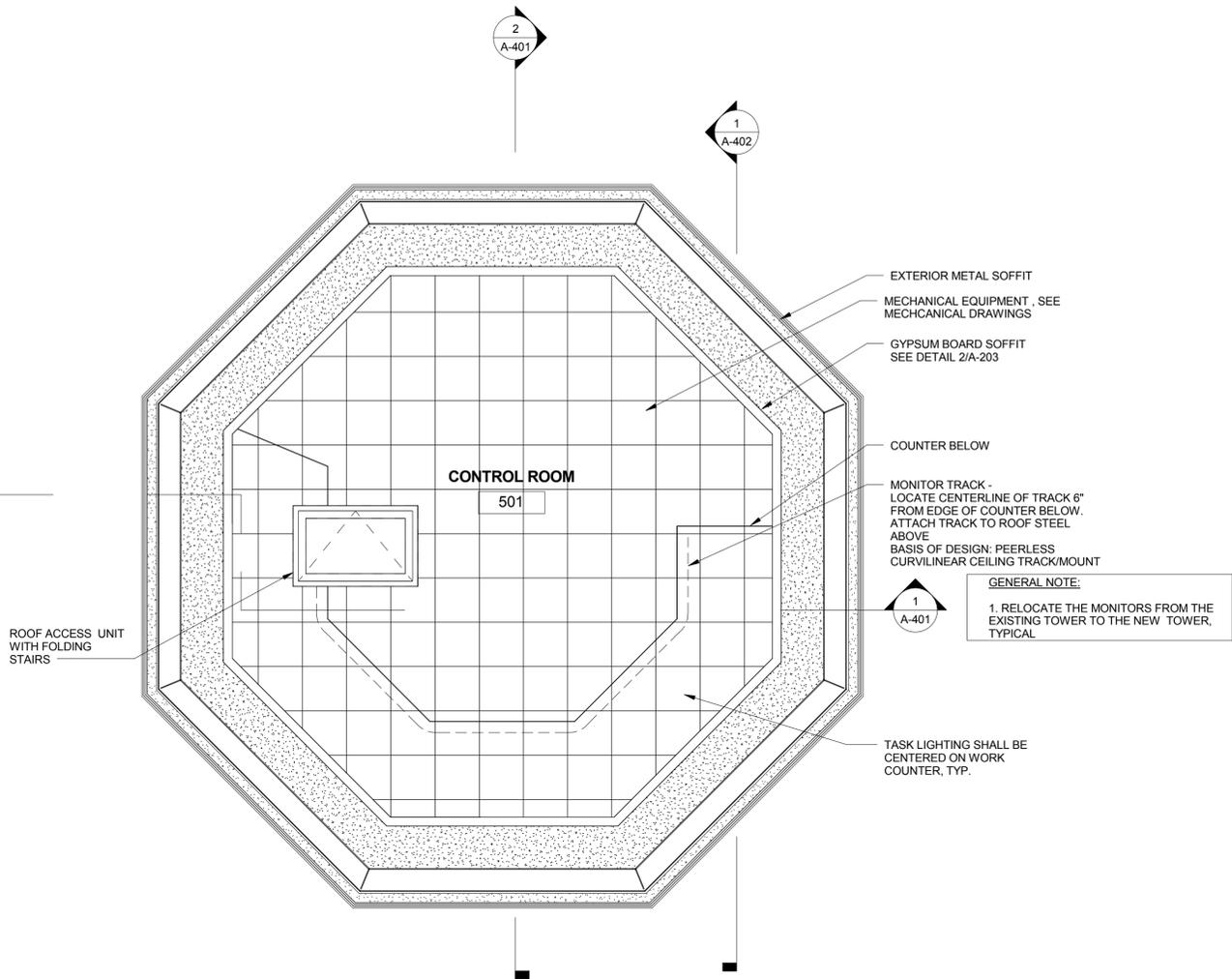
TRUE
 2 A-103
ROOF PLAN
 SCALE: 1/4" = 1'-0"

GENERAL ROOF NOTES

- CONFORM CRICKETS AS NEEDED AND INDICATED TO SECURE POSITIVE STORM DRAINAGE AROUND ROOF CURBS MOUNTED EQUIPMENT.
- REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN SIZE, TYPES AND ROUTING.
- THE REQUIRED MINIMUM R-VALUE FOR ROOFING SHALL BE R-21.



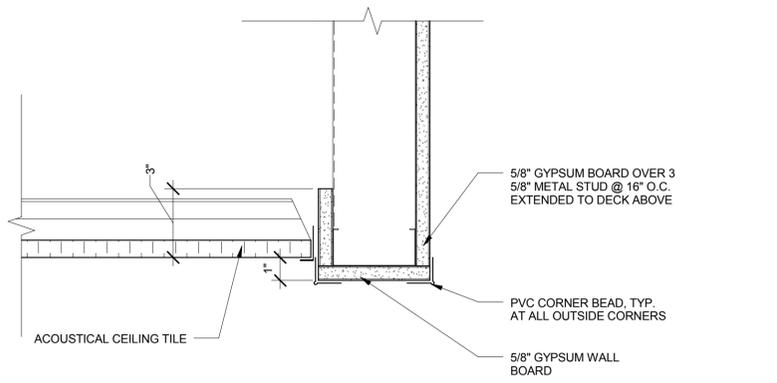
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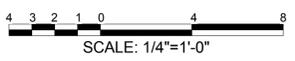
GENERAL NOTE:
 1. RELOCATE THE MONITORS FROM THE EXISTING TOWER TO THE NEW TOWER, TYPICAL

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

LEGEND			
	24" X 24" SUSPENDED ACOUSTICAL CEILING TILE		1' X 4' LIGHTING FIXTURE,
	GYPSUM WALL BOARD CEILING		1' X 4' LIGHTING FIXTURE, WITH EMERGENCY BALLAST
	SPRAY FIRE PROOFING		LIGHTING FIXTURES, WALL MOUNTED
	SUPPLY DIFFUSER		2' X 2' LIGHTING FIXTURE, LAY-IN WITH 6' FLEXIBLE CONDUIT PIGTAIL
	RETURN DIFFUSER		2' X 2' LIGHTING FIXTURE, LAY-IN ON EMERGENCY BALLAST
	EMERGENCY LIGHTING BATTERY UNIT (WITH 2 HEADS)		2' X 4' LIGHTING FIXTURE SURFACE MOUNT
	EXIT LIGHT, SHADED AREA INDICATES FACE		4 HOUR RATED WALL
	DOWLIGHTS		2 HOUR RATED WALL
			1 HOUR RATED WALL



CEILING SOFFIT DETAIL AT CONTROL ROOM
 SCALE: 3" = 1'-0"



REVISIONS		
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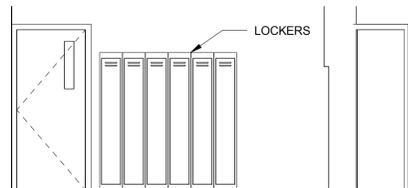
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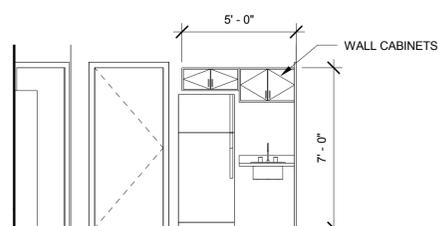
SHEET TITLE
CONTROL ROOM REFLECTED CEILING PLANS

SHEET NUMBER
A-203

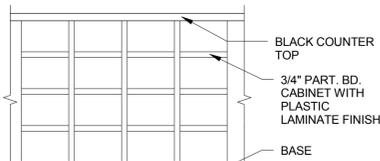
BID DOCUMENTS



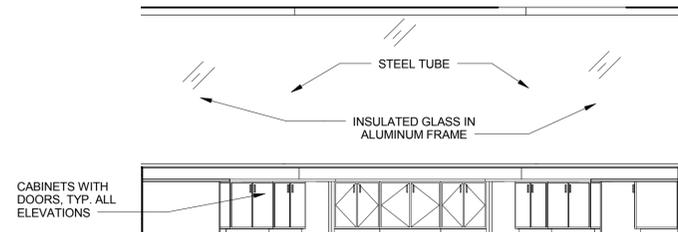
1 **BREAK AREA ELEVATION 1**
A-501 SCALE: 1/4" = 1'-0"



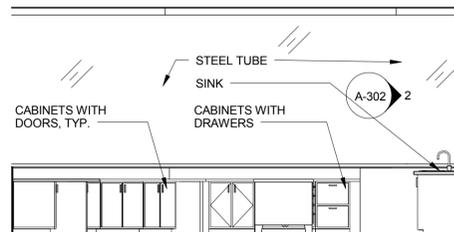
2 **BREAK AREA ELEVATION 2**
A-501 SCALE: 1/4" = 1'-0"



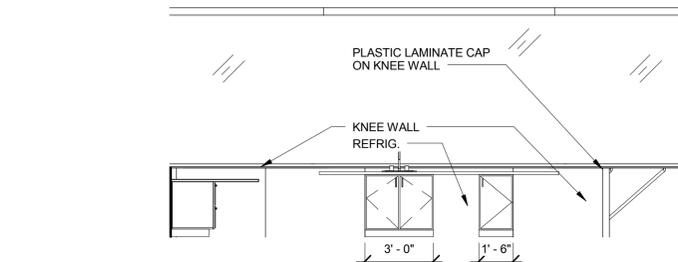
NOTE: 16 EQUAL CUBICLES, 9" DEEP TO FIT UNDER CONSOLE
HEADSET STORAGE / MAIL CABINET
A-501 SCALE: 3/4" = 1'-0"



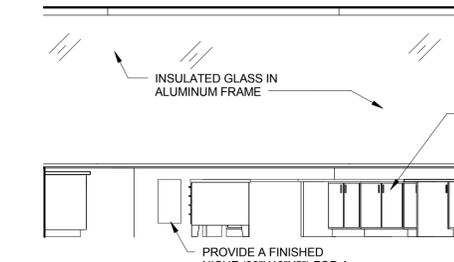
3 **CONTROL ROOM ELEVATION 1**
A-501 SCALE: 1/4" = 1'-0"



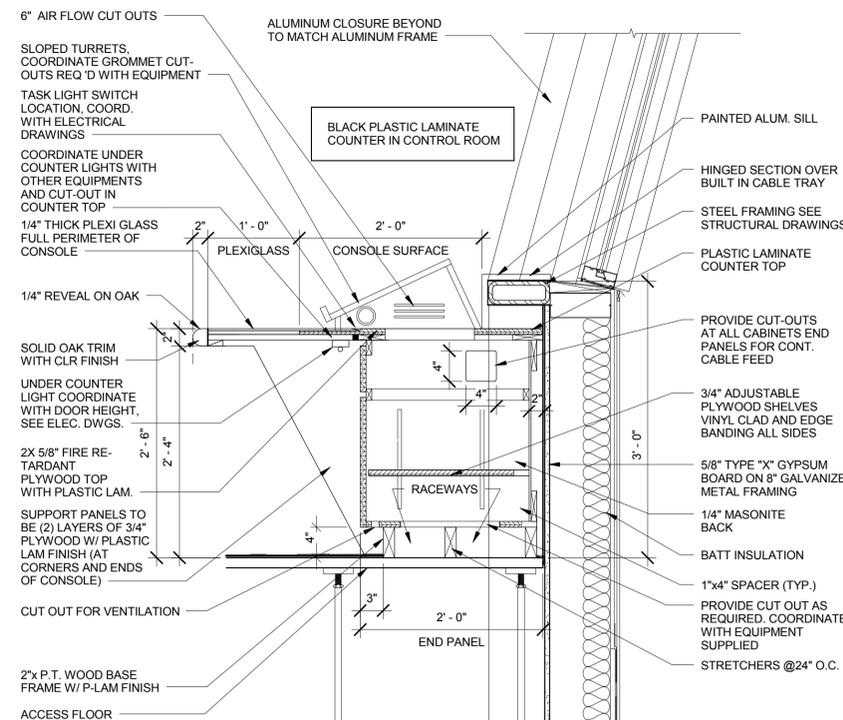
4 **CONTROL ROOM ELEVATION 2**
A-501 SCALE: 1/4" = 1'-0"



5 **CONTROL ROOM ELEVATION 3**
A-501 SCALE: 1/4" = 1'-0"

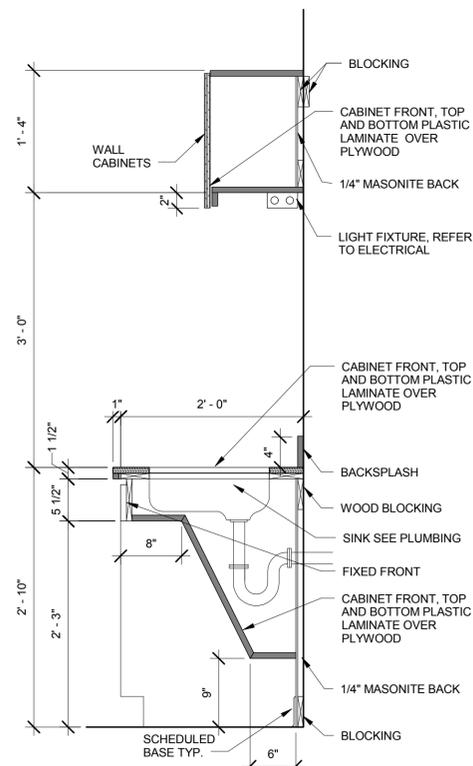


6 **CONTROL ROOM ELEVATION 4**
A-501 SCALE: 1/4" = 1'-0"

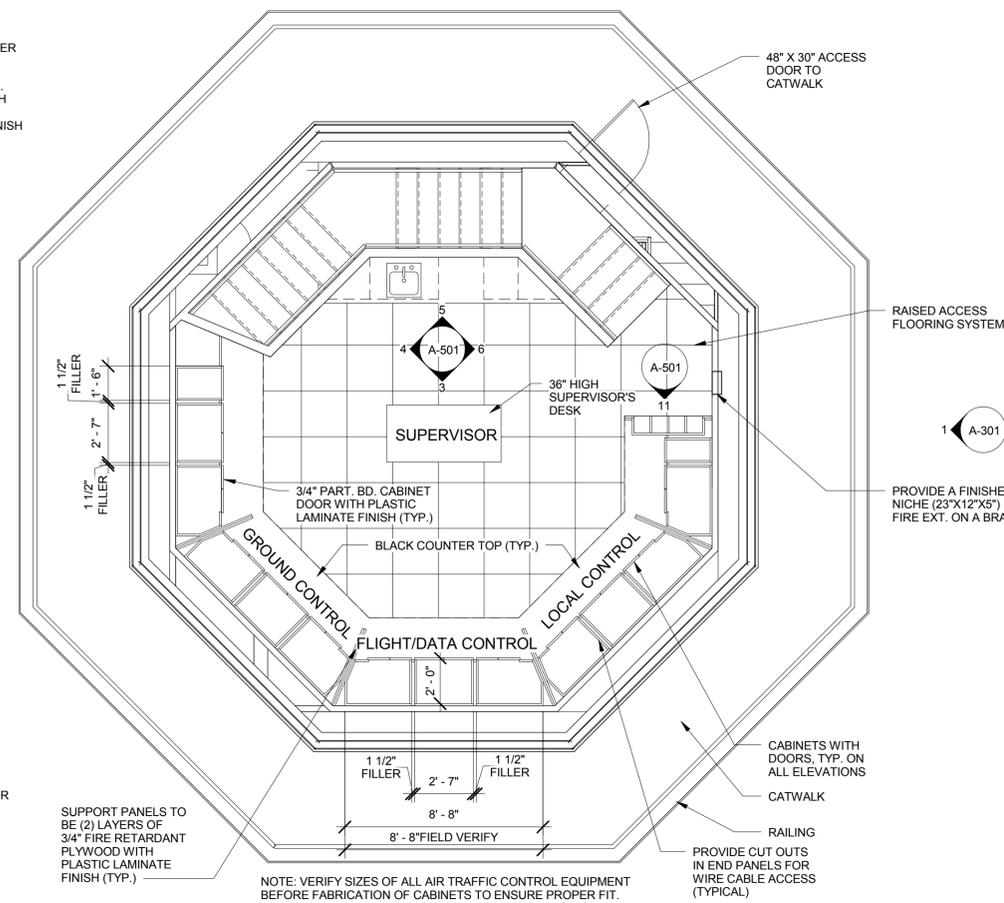


NOTE: PROVIDE (4) 2" LONG STRIPS LIGHT FIXTURE UNDER EDGE OF CONSOLE COUNTERTOP EQUAL SPACED.

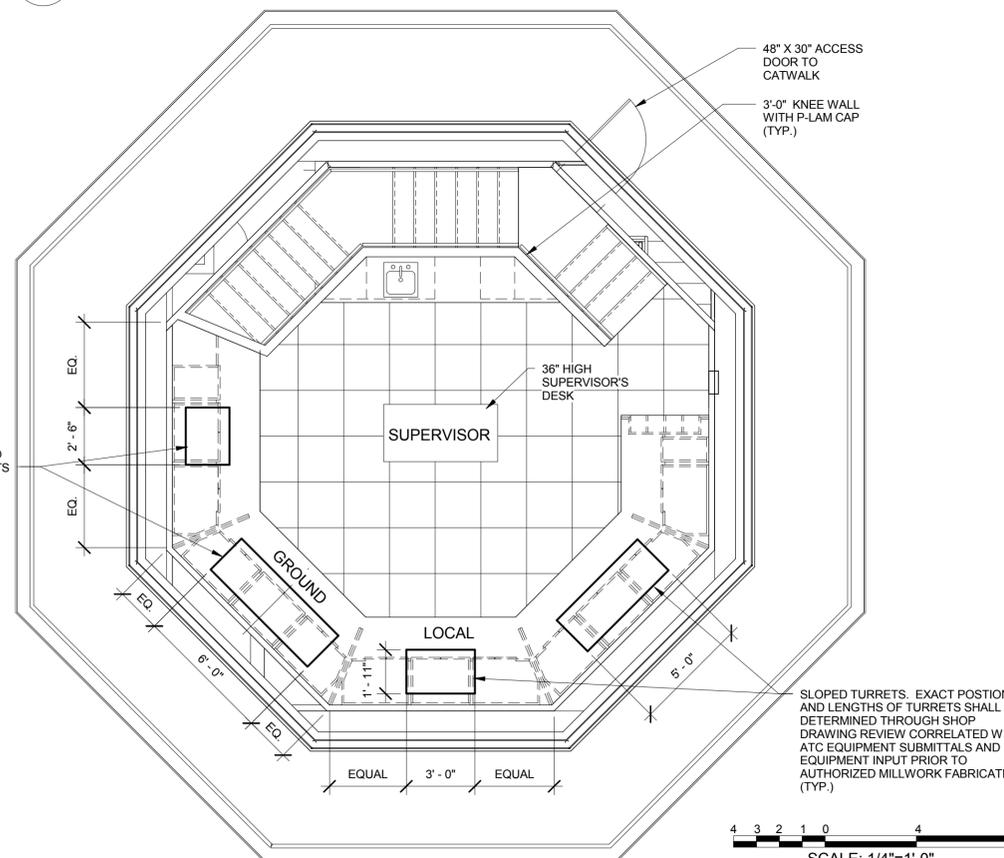
7 **SECTION THRU CONSOLE**
A-501 SCALE: 1" = 1'-0"



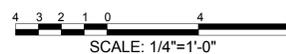
8 **MILLWORK SECTION**
A-501 SCALE: 1" = 1'-0"



9 **CONTROL ROOM FLOOR PLAN**
A-501 SCALE: 1/4" = 1'-0"



10 **CONTROL ROOM FLOOR PLAN**
A-501 SCALE: 1/4" = 1'-0"



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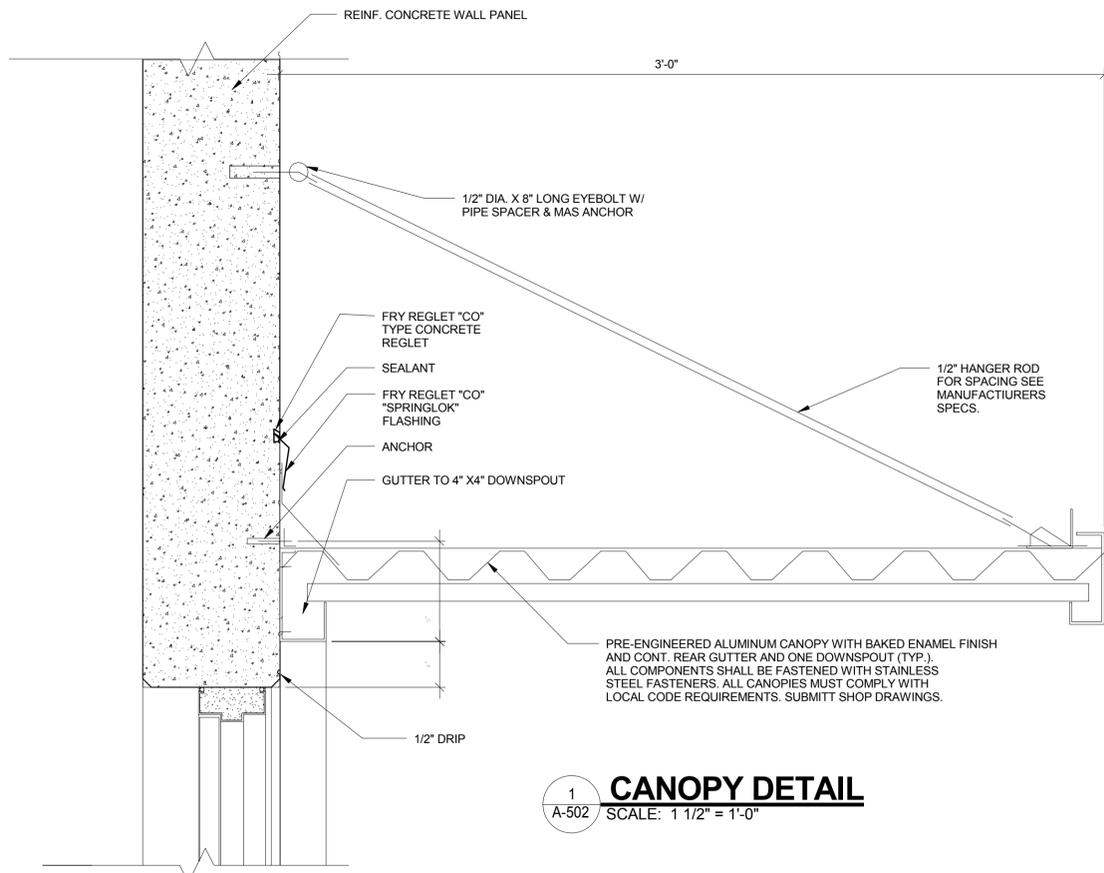
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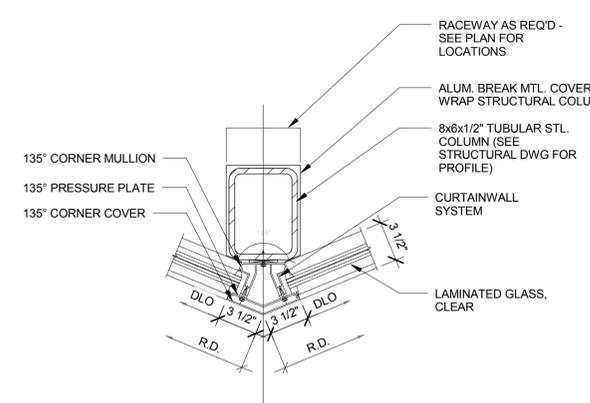
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SHEET TITLE
INTERIOR ELEVATIONS AND DETAILS

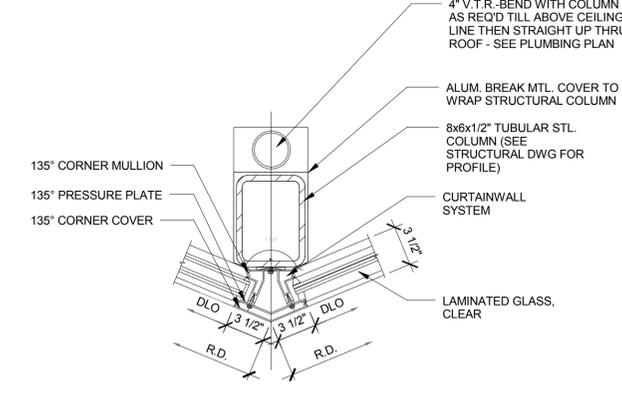
SHEET NUMBER
A-501
BID DOCUMENTS



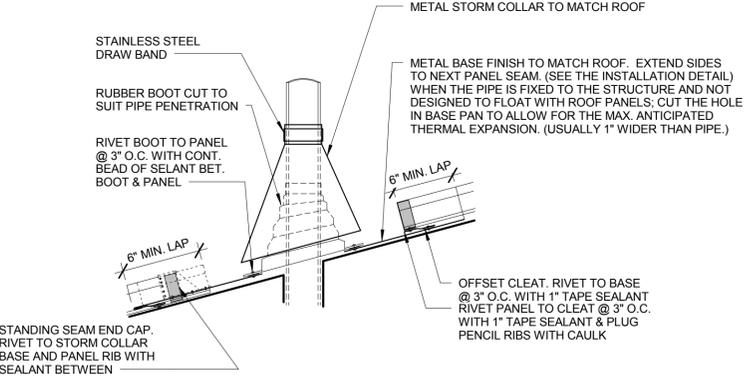
1 CANOPY DETAIL
 A-502 SCALE: 1 1/2" = 1'-0"



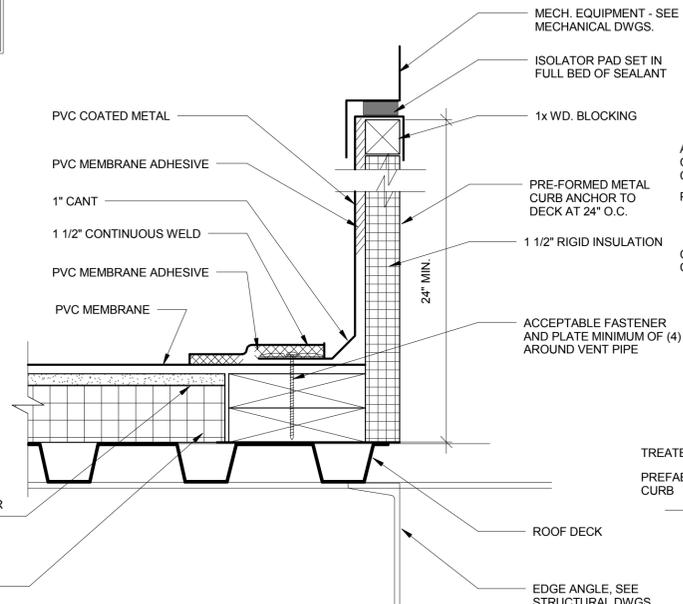
2 COLUMN DETAIL AT WINDOW
 A-502 SCALE: 1 1/2" = 1'-0"



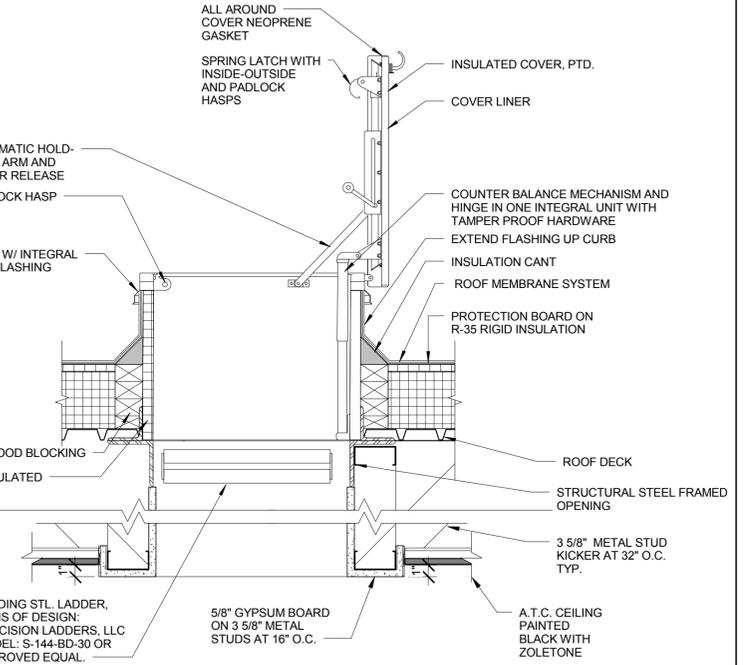
3 COLUMN DETAIL AT WINDOW
 A-502 SCALE: 1 1/2" = 1'-0"



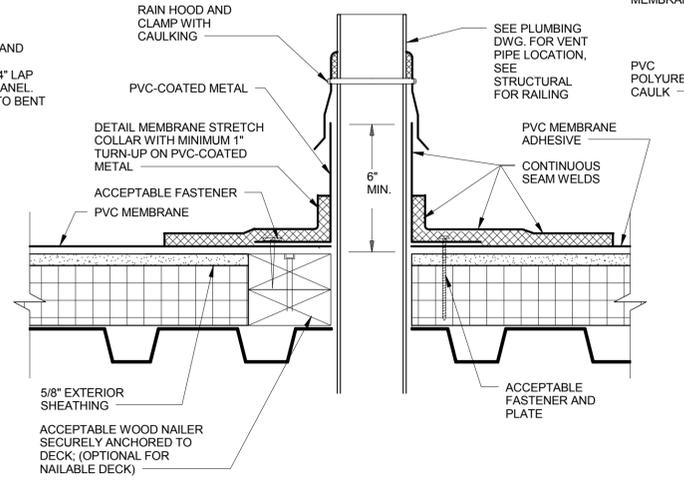
9 PIPE PENETRATION DETAIL
 A-502 SCALE: 1 1/2" = 1'-0"



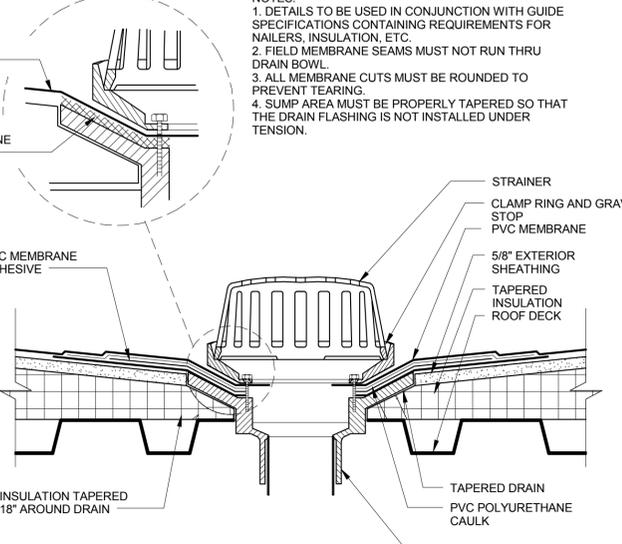
4 HVAC CURB DETAIL
 A-502 SCALE: 3" = 1'-0"



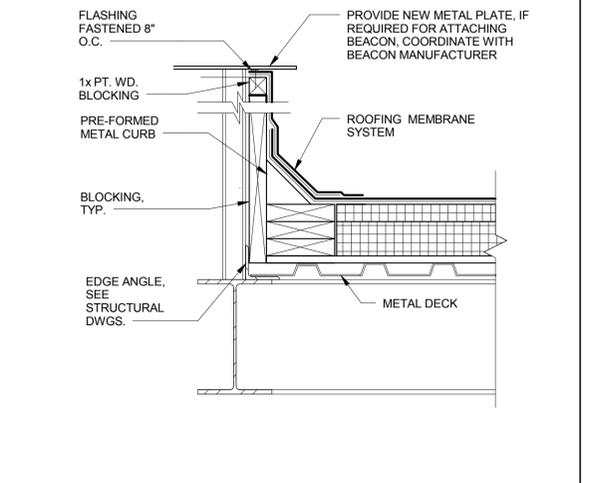
5 ROOF HATCH DETAIL
 A-502 SCALE: 1 1/2" = 1'-0"



8 PIPE PENETRATION DETAILS TYPICAL
 A-502 SCALE: 3" = 1'-0"



7 ROOF DETAIL - PVC
 A-502 SCALE: 3" = 1'-0"



6 BEACON SUPPORT FLASHING DETAIL
 A-502 SCALE: 1 1/2" = 1'-0"

NOTES:
 1. DETAILS TO BE USED IN CONJUNCTION WITH GUIDE SPECIFICATIONS CONTAINING REQUIREMENTS FOR NAILERS, INSULATION, ETC.
 2. FIELD MEMBRANE SEAMS MUST NOT RUN THRU DRAIN BOWL.
 3. ALL MEMBRANE CUTS MUST BE ROUNDED TO PREVENT TEARING.
 4. SUMP AREA MUST BE PROPERLY TAPERED SO THAT THE DRAIN FLASHING IS NOT INSTALLED UNDER TENSION.

REVISIONS		
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DATE ISSUED: AUGUST 12, 2015
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SHEET TITLE
DETAILS

SHEET NUMBER
A-502

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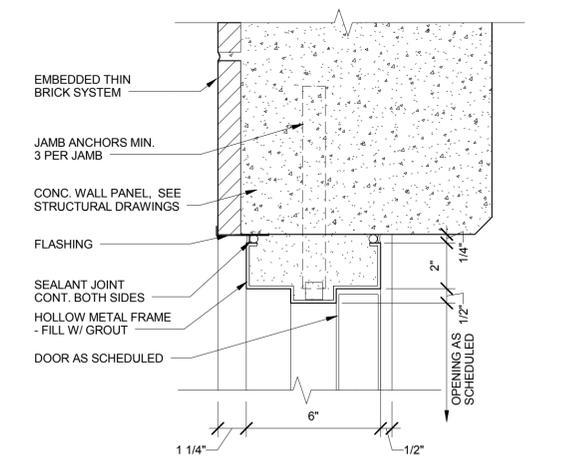
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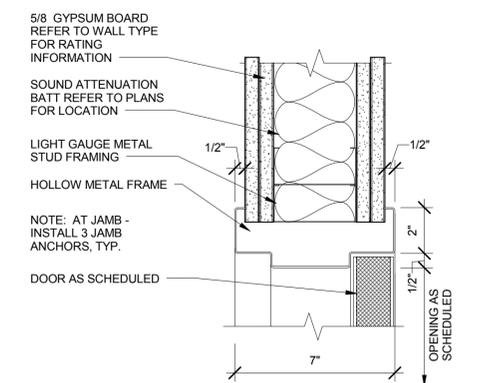
SHEET TITLE
DETAILS

SHEET NUMBER
A-503

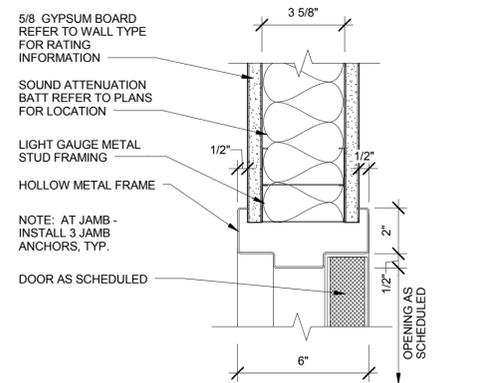
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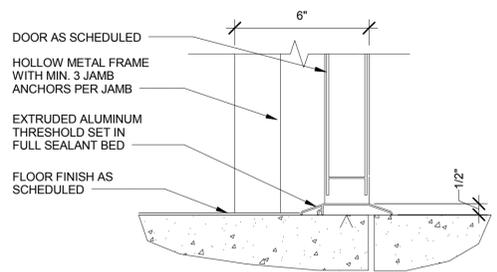
1 HEAD DETAIL (JAMB SIM.)
 A-503 SCALE: 3" = 1'-0"



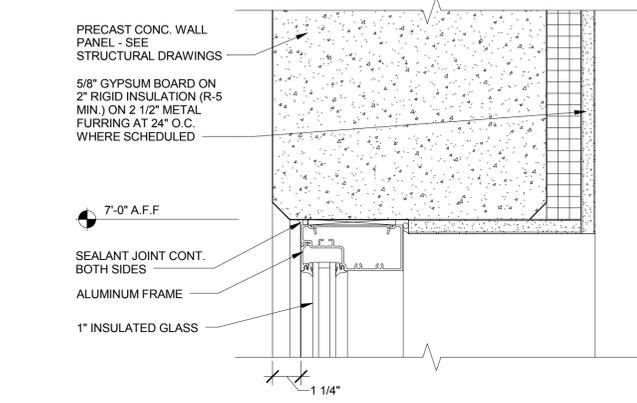
2 HEAD DETAIL (JAMB SIM.)
 A-503 SCALE: 3" = 1'-0"



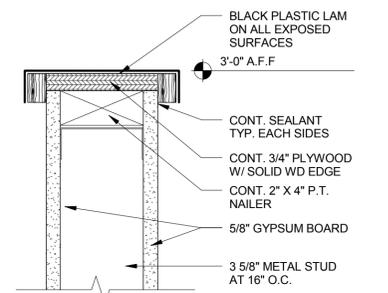
3 HEAD DETAIL (JAMB SIM.)
 A-503 SCALE: 3" = 1'-0"



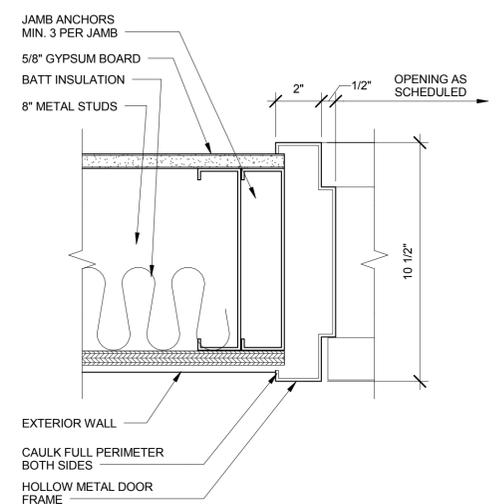
4 SILL DETAIL
 A-503 SCALE: 3" = 1'-0"



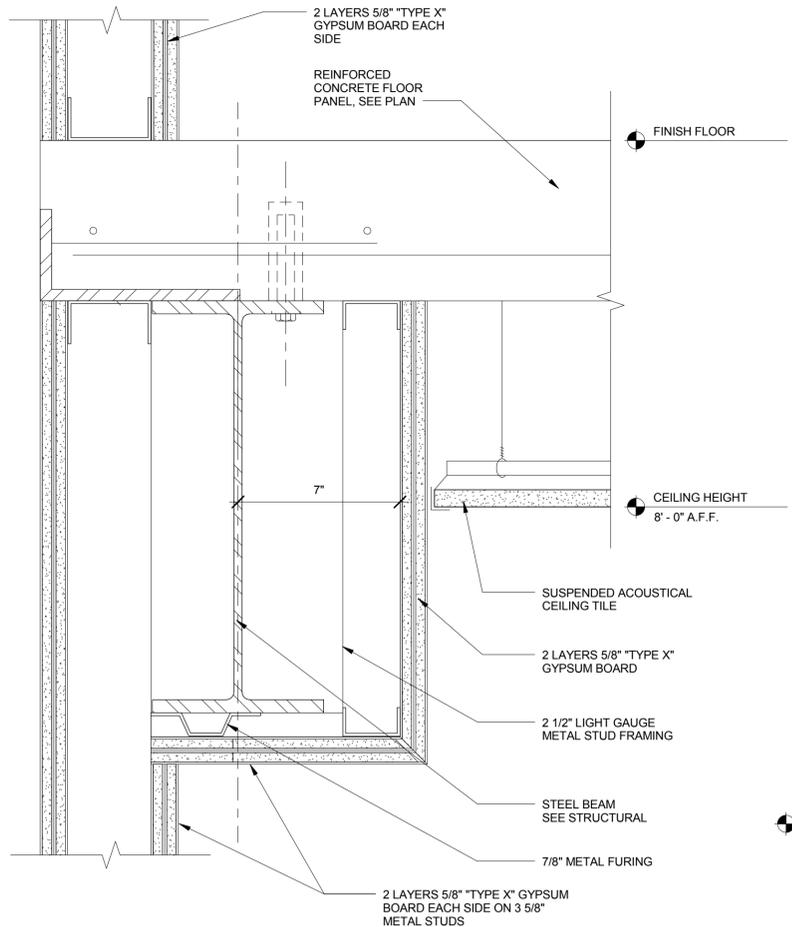
5 WINDOW HEAD DETAIL (JAMB SIM.)
 A-503 SCALE: 3" = 1'-0"



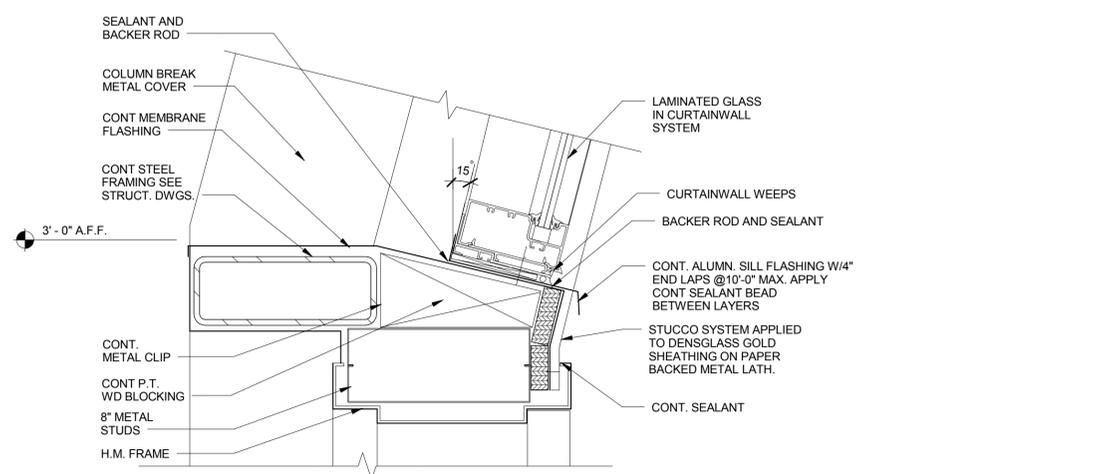
6 WALL CAP DETAIL
 A-503 SCALE: 3" = 1'-0"



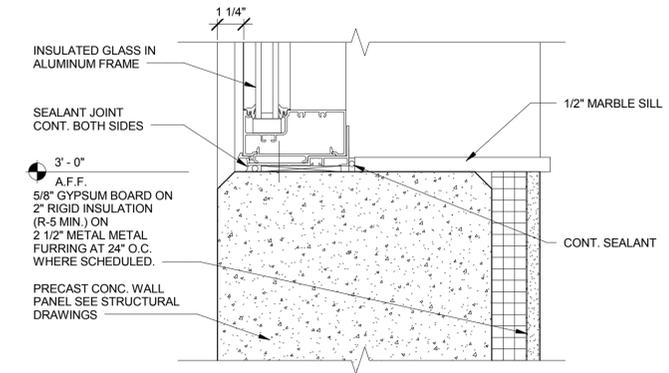
7 DOOR TO CATWALK / DOOR JAMB HM FRAME
 A-503 SCALE: 3" = 1'-0"



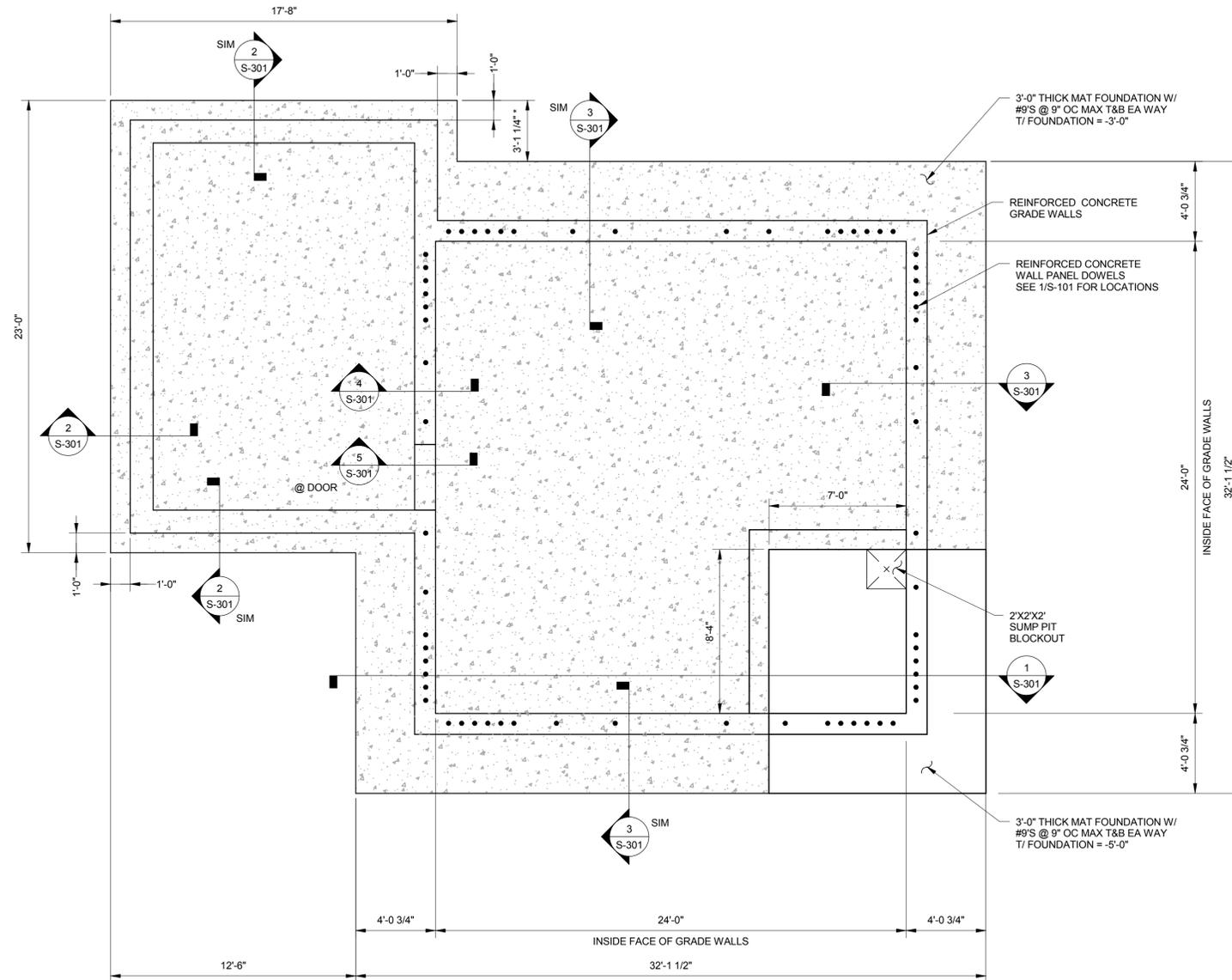
8 CEILING SOFFIT
 A-503 SCALE: 3" = 1'-0"



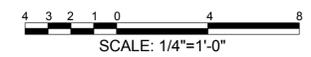
9 DOOR TO CATWALK / DOOR HEAD FRAME
 A-503 SCALE: 3" = 1'-0"



10 WINDOW SILL
 A-503 SCALE: 3" = 1'-0"



TRUE
 1 S-100
FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"



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NO.	DESCRIPTION	DATE

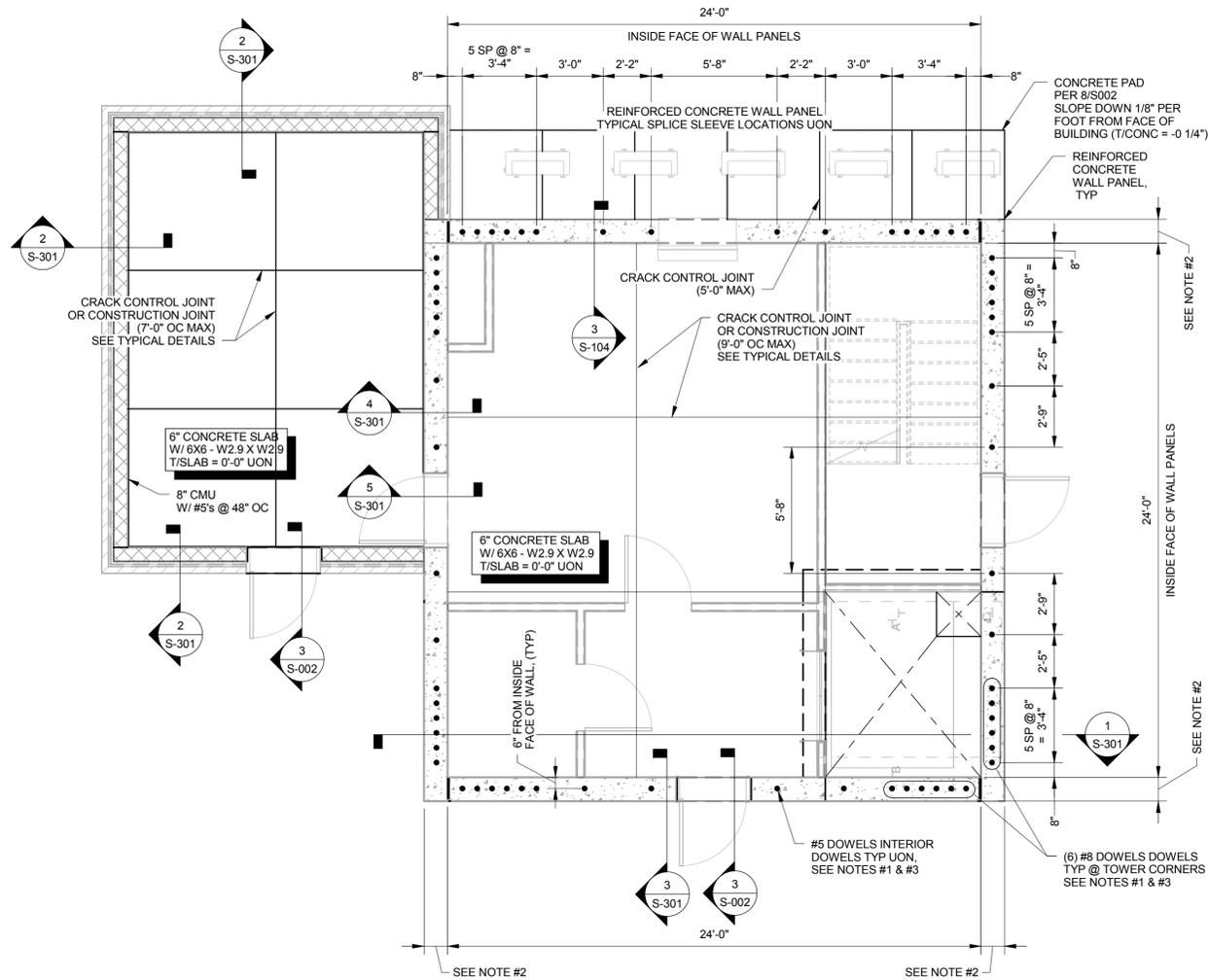
DATE ISSUED: AUGUST 12, 2015
 REVIEWED BY: RLM
 DRAWN BY: ARJ/WAJ
 DESIGNED BY: ARJ

AEC PROJECT NUMBER
 222-0264-001

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 SHEET TITLE
FOUNDATION PLAN

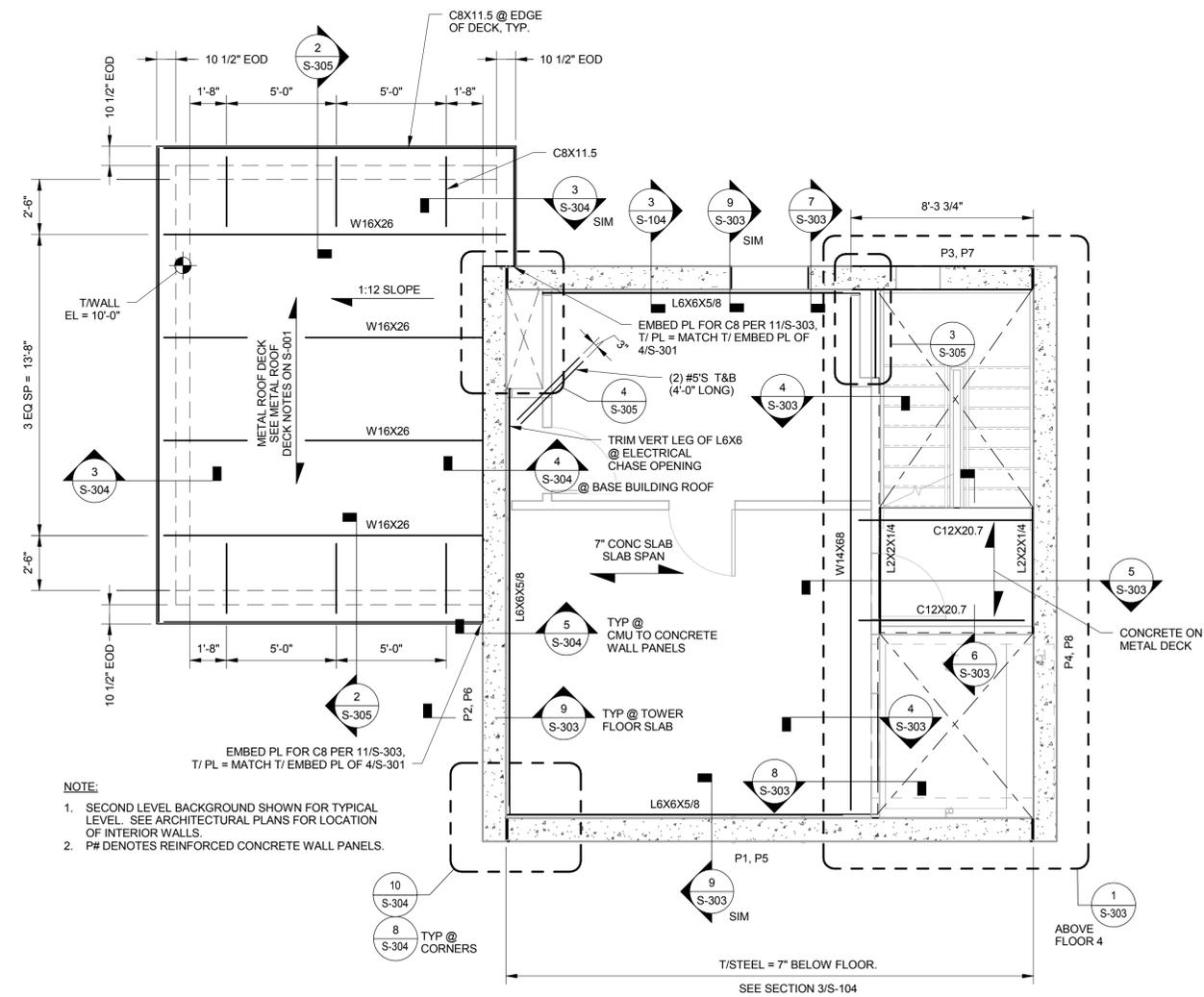
SHEET NUMBER
S-100

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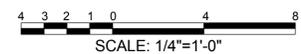


TRUE
 1 S-101 SCALE: 1/4" = 1'-0"
FIRST FLOOR PLAN

- PLAN NOTES:**
1. DOWELS INTO WALL PANELS SHALL HAVE A LOCATION TOLERANCE OF ±1/16"
 2. REINFORCED CONCRETE WALL PANEL THICKNESS = 1'-0 3/4" UON
 3. DOWELS INTO WALL PANELS SHALL HAVE STD HOOK INTO MAT FOUNDATION AND SHALL EXTEND A MINIMUM OF 6" HIGHER THAN FINAL END OF BAR. CUT REINFORCING TO REQUIRED EXTENSION LENGTH IN FIELD AFTER CONCRETE HAS REACHED DESIGN STRENGTH.
 4. SEE A-101 FOR LOCATIONS OF CMU WALLS



TRUE
 2 S-101 SCALE: 1/4" = 1'-0"
**TYPICAL TOWER FLOOR PLAN/
 BASE BUILDING ROOF PLAN**



REVISIONS		
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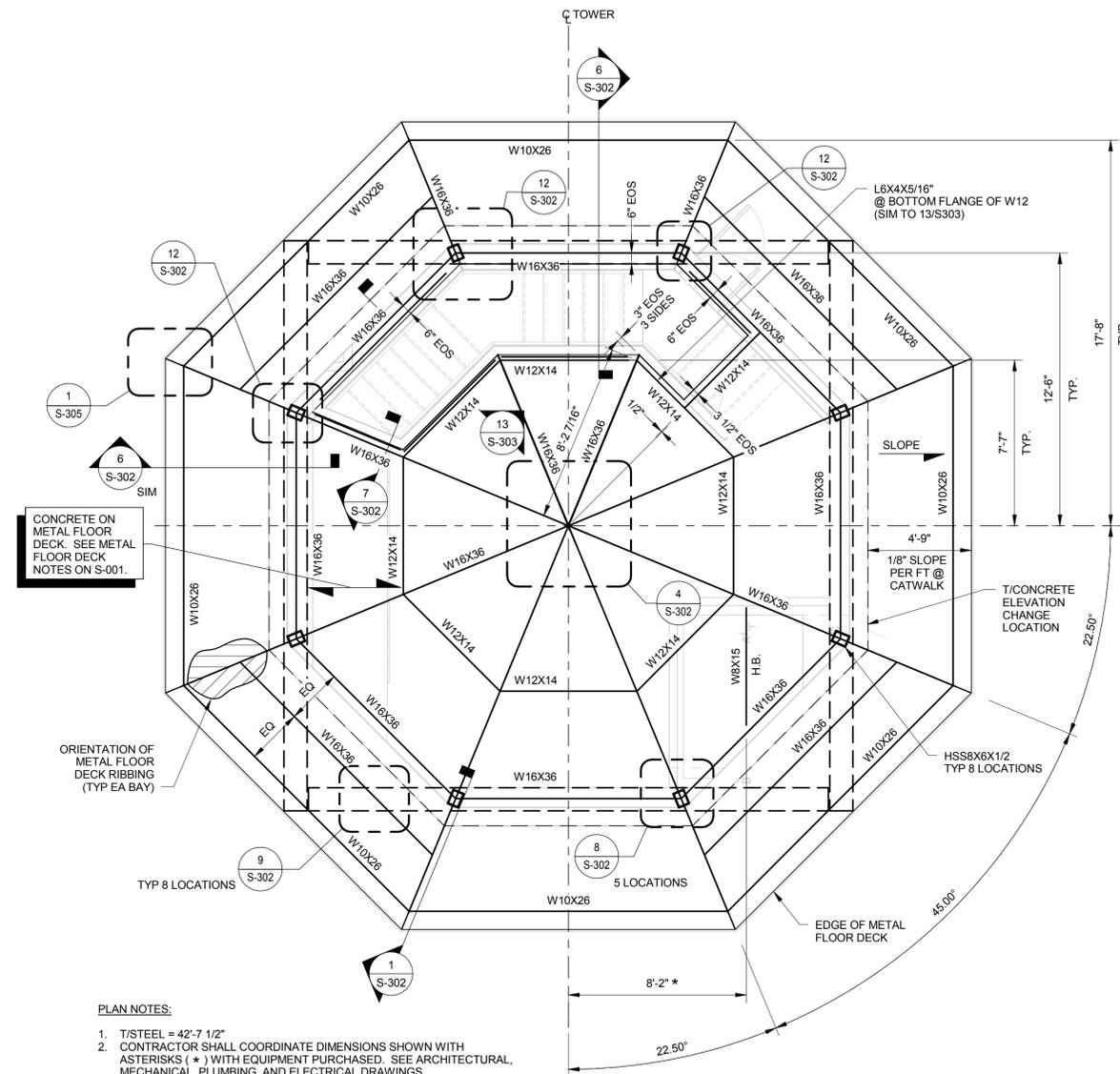
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**FIRST FLOOR AND
 TYPICAL FLOOR
 FRAMING PLANS**

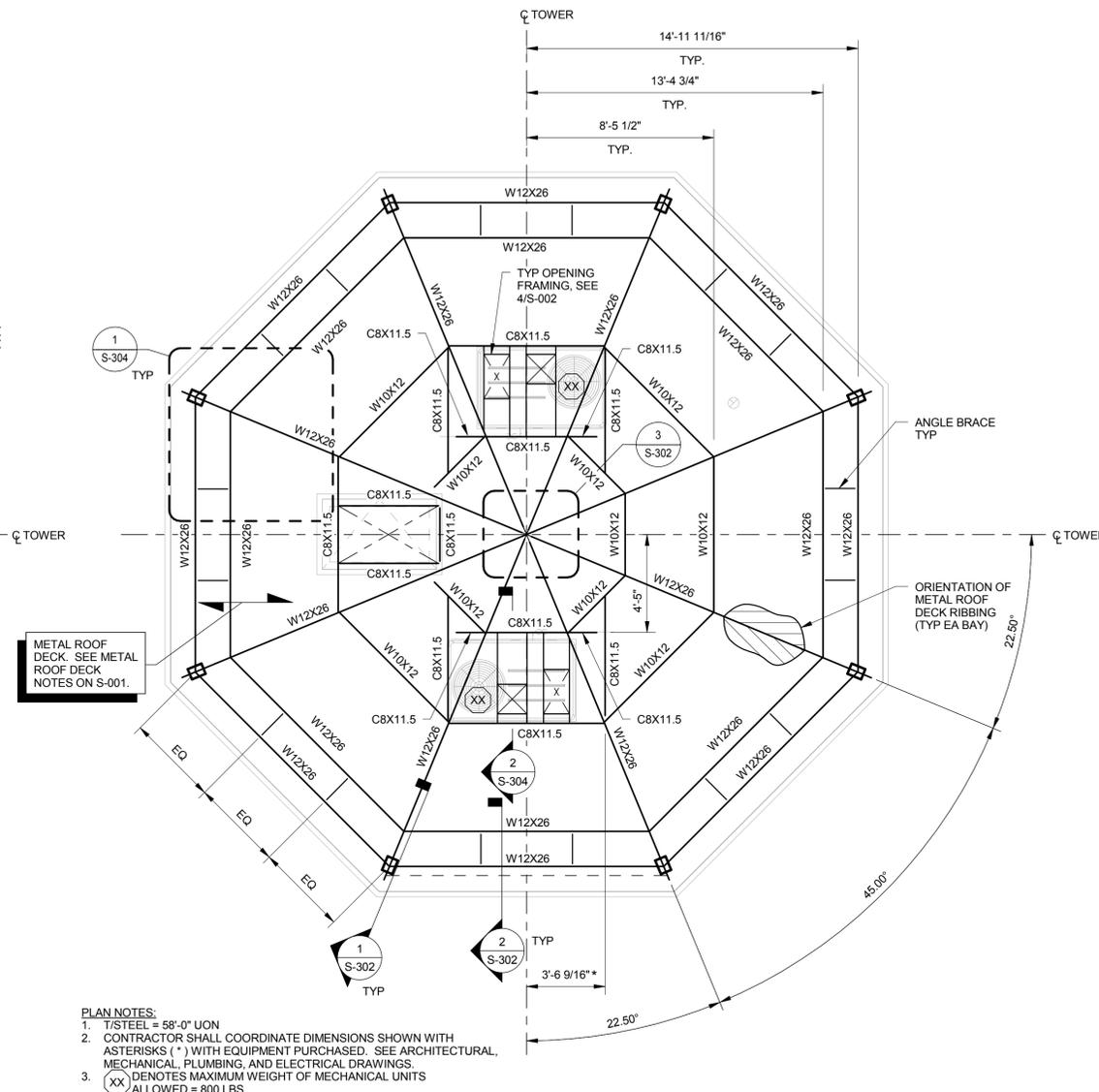
SHEET NUMBER
S-101

BID
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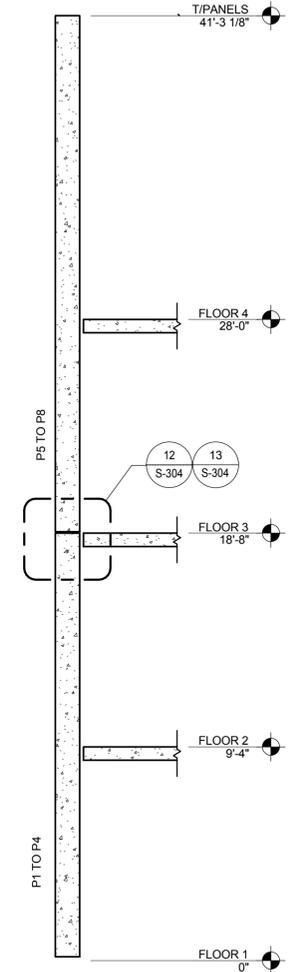
AIR TRAFFIC CONTROL TOWER



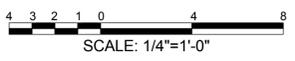
1 CAB FLOOR FRAMING PLAN
 SCALE: 1/4" = 1'-0"



2 CAB ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"



TYPICAL TOWER WALL



REVISIONS

NO.	DESCRIPTION	DATE

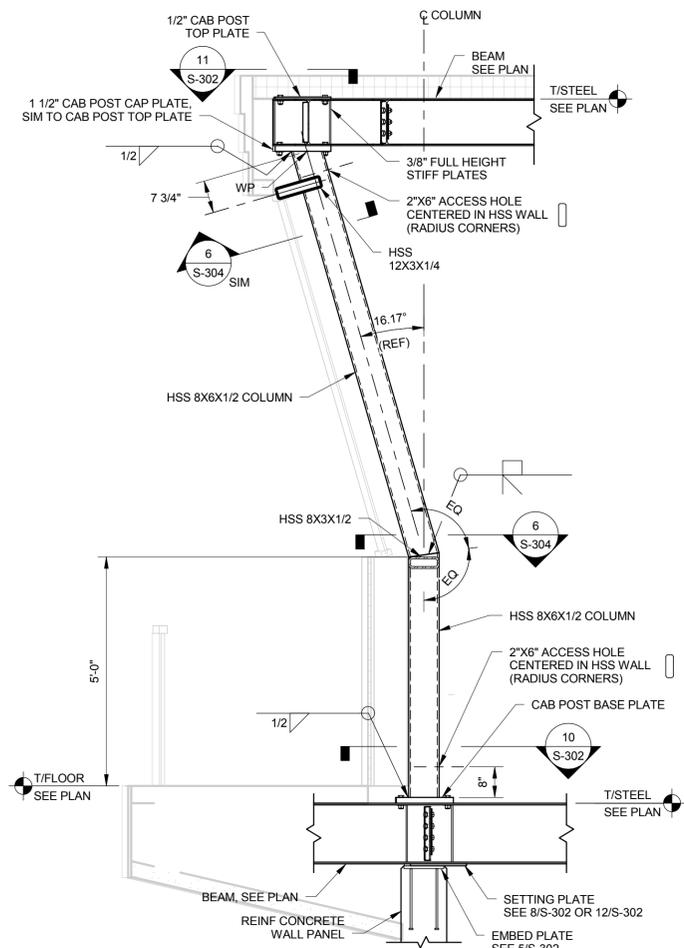
DATE ISSUED: AUGUST 12, 2015
 REVIEWED BY: RLM
 DRAWN BY: ARJ/WAJ
 DESIGNED BY: ARJ

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 222-0264-001
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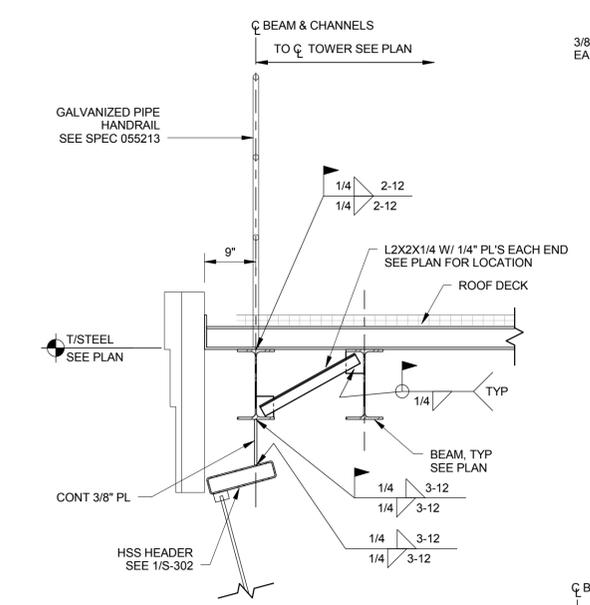
SHEET TITLE
CONTROL ROOM FLOOR AND ROOF FRAMING PLANS

SHEET NUMBER
S-104

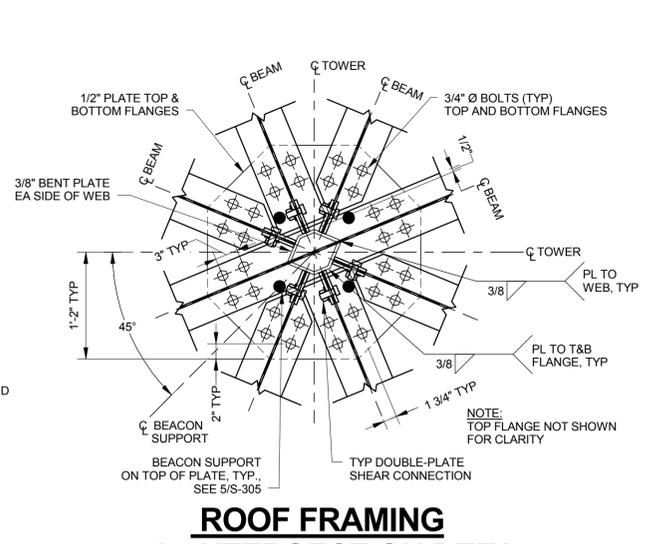
BID DOCUMENTS



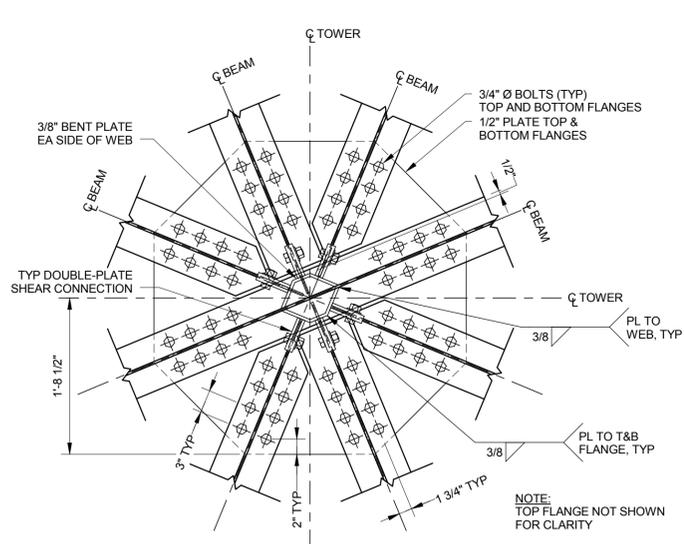
1 SECTION
 S-302 SCALE: 1/2" = 1'-0"



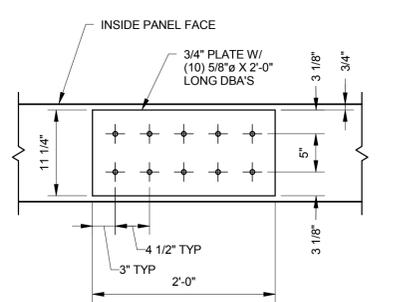
2 SECTION
 S-302 SCALE: 3/4" = 1'-0"



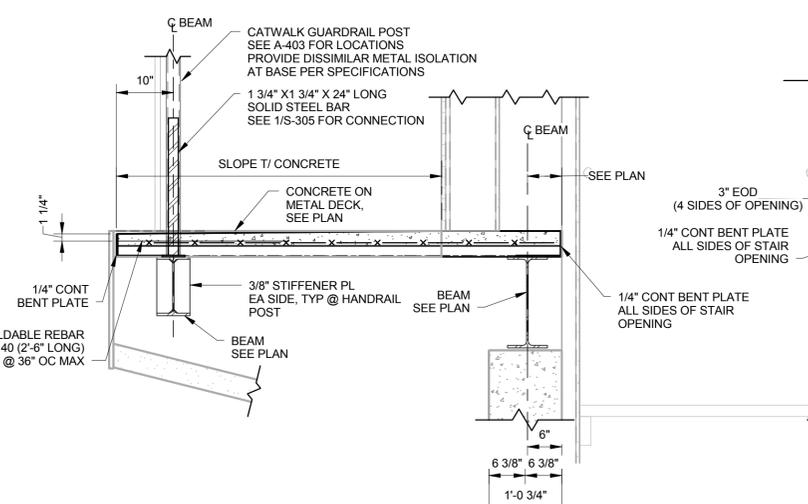
3 SECTION
 S-302 SCALE: 1" = 1'-0"



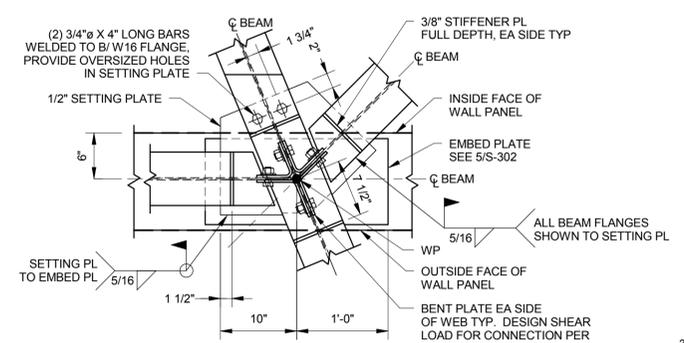
4 SECTION
 S-302 SCALE: 1" = 1'-0"



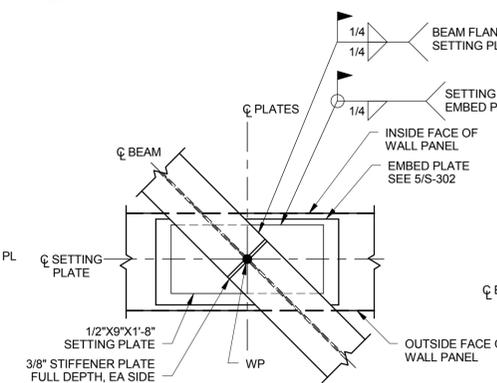
5 EMBED PLATE
 S-302 SCALE: 1" = 1'-0"



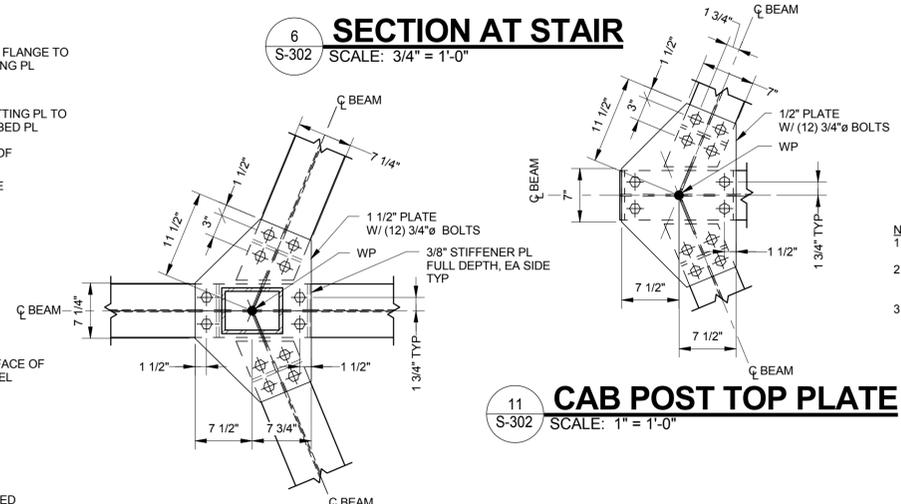
6 SECTION AT STAIR
 S-302 SCALE: 3/4" = 1'-0"



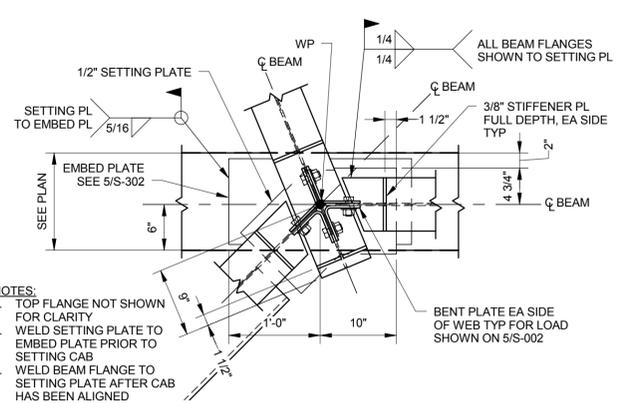
8 CAB FRAMING BEARING ON WALL PANEL CONNECTION
 S-302 SCALE: 1" = 1'-0"



9 SECTION
 S-302 SCALE: 1" = 1'-0"



11 CAB POST TOP PLATE
 S-302 SCALE: 1" = 1'-0"



12 CAB FRAMING BEARING ON WALL PANEL CONNECTION
 S-302 SCALE: 1" = 1'-0"

- NOTES:
 1. TOP FLANGE NOT SHOWN FOR CLARITY
 2. WELD SETTING PLATE TO EMBED PLATE PRIOR TO SETTING CAB
 3. WELD BEAM FLANGE TO SETTING PLATE AFTER CAB HAS BEEN ALIGNED

REVISIONS		
NO.	DESCRIPTION	DATE

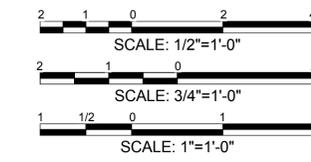
DATE ISSUED: AUGUST 12, 2015
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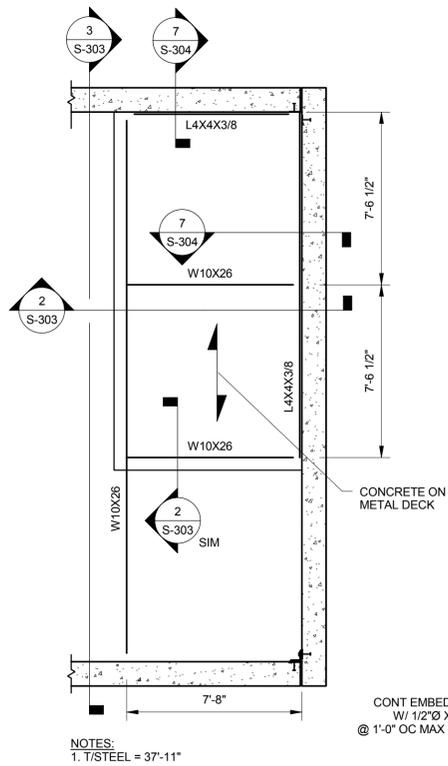
AEC PROJECT NUMBER
 222-0264-001

SHEET TITLE
SECTION AND DETAILS

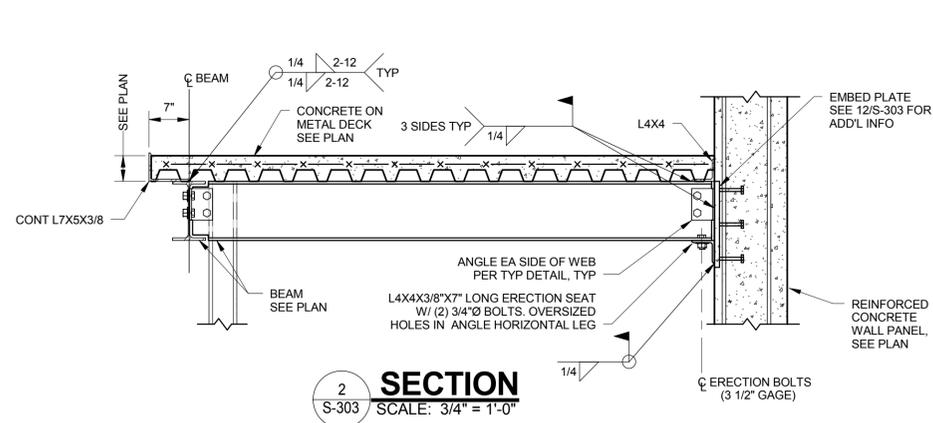
SHEET NUMBER
S-302

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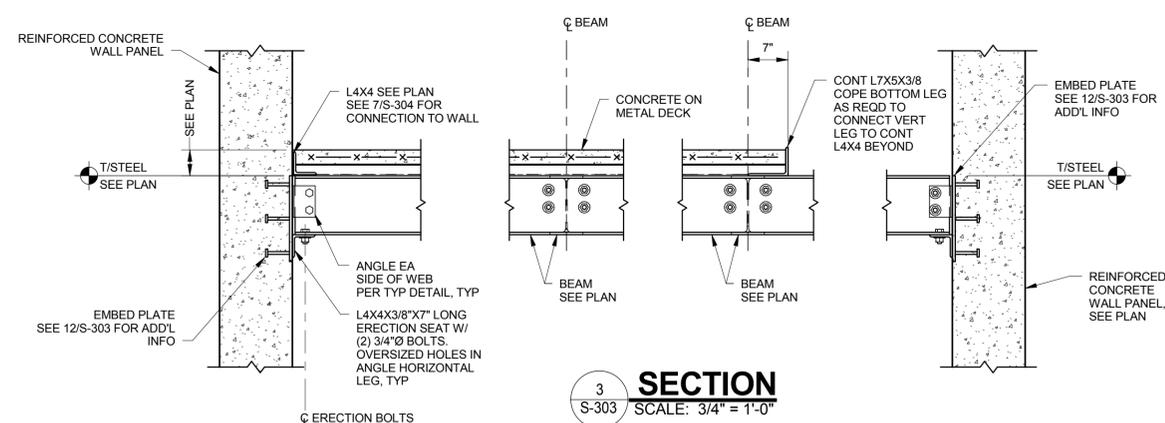




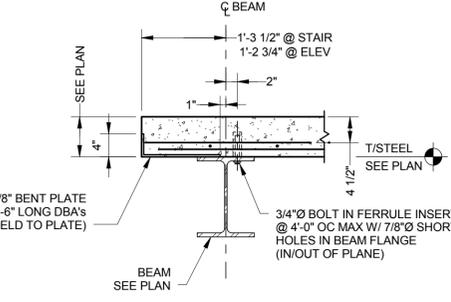
1 STAIR ROOF PLAN
 S-303 SCALE: 1/4" = 1'-0"



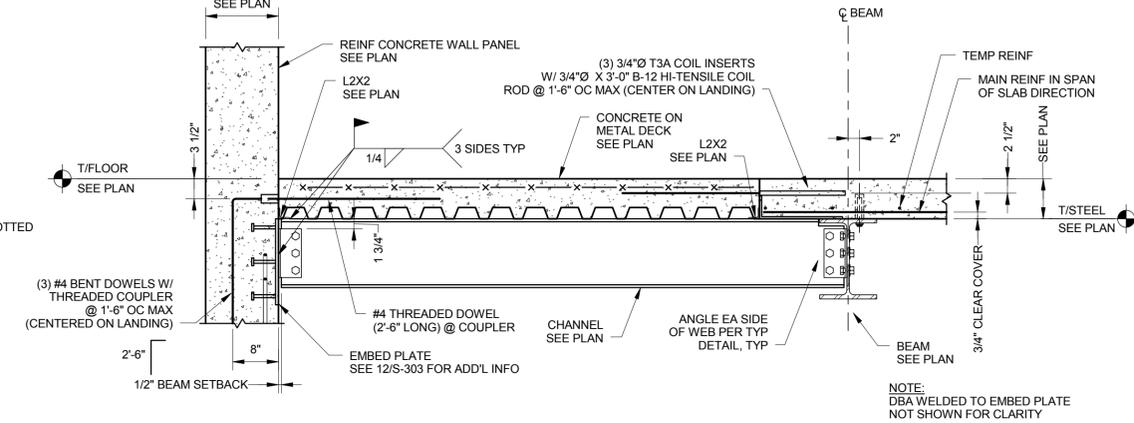
2 SECTION
 S-303 SCALE: 3/4" = 1'-0"



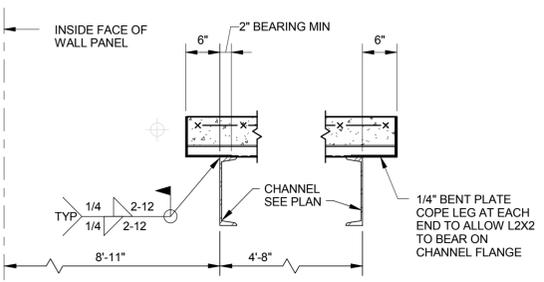
3 SECTION
 S-303 SCALE: 3/4" = 1'-0"



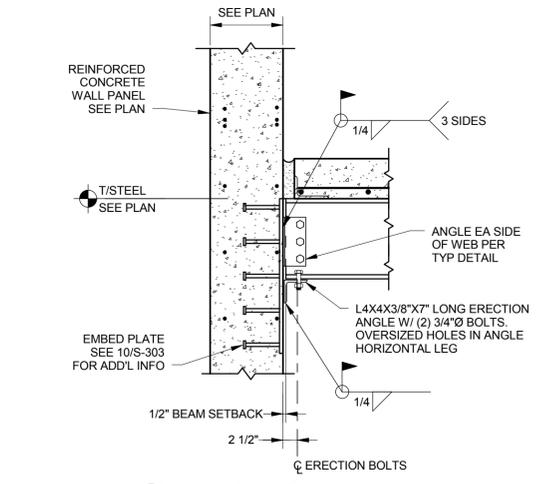
4 SECTION
 S-303 SCALE: 3/4" = 1'-0"



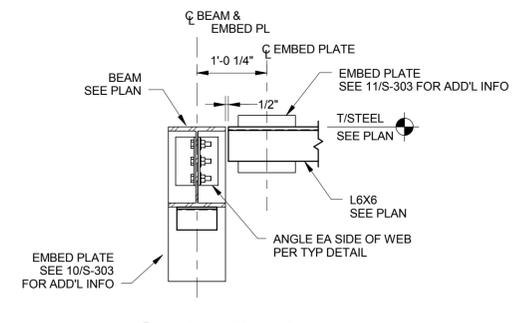
5 SECTION
 S-303 SCALE: 3/4" = 1'-0"



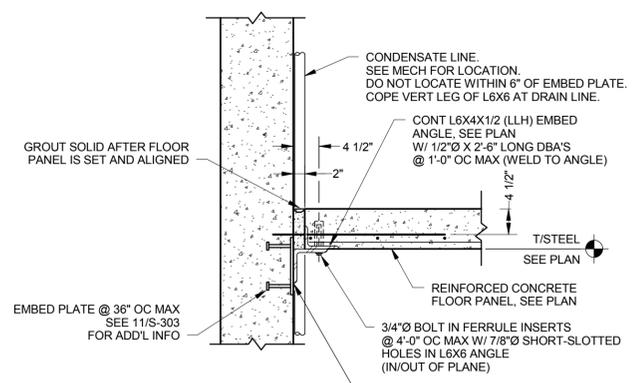
6 SECTION
 S-303 SCALE: 3/4" = 1'-0"



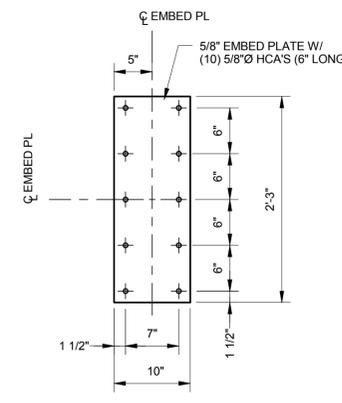
7 SECTION
 S-303 SCALE: 3/4" = 1'-0"



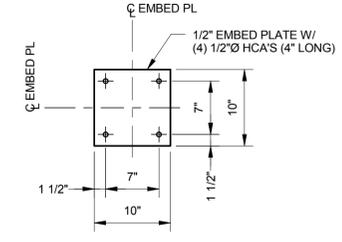
8 SECTION
 S-303 SCALE: 3/4" = 1'-0"



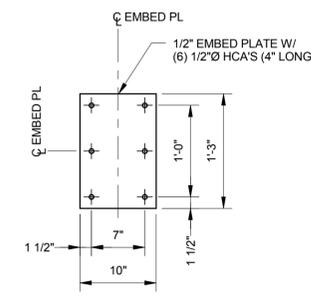
9 SECTION
 S-303 SCALE: 3/4" = 1'-0"



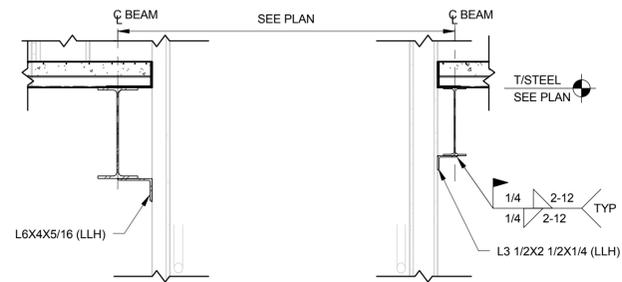
10 SECTION
 S-303 SCALE: 1" = 1'-0"



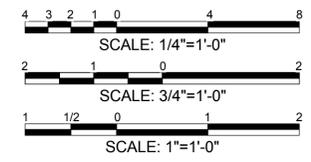
11 SECTION
 S-303 SCALE: 1" = 1'-0"



12 EMBED PLATE
 S-303 SCALE: 1" = 1'-0"



13 SECTION
 S-303 SCALE: 3/4" = 1'-0"



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NO.	DESCRIPTION	DATE

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SHEET TITLE
SECTION AND DETAILS

SHEET NUMBER
S-303

BID DOCUMENTS